

KSL Exploration (Yukon) Limited

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

ASSESSMENT REPORT

**(Geological & Geochemical Surveys, 2001/6/28 – 2001/8/28,
Geophysical Interpretation)**

for Renewal of

**KLONDIKE, BEAR, GAP, IF, ACT, GIT, NUG & WEDGE Claims,
NTS 115-O-14 (Grand Forks) & 116-B-03, (Dawson), 139 15'W, 63 58'N.
Dawson Mining District**

July 2002

Authors:

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

094316

Prepared for:
Dawson Mining Recorder,
Dawson City, Yukon Territory
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This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 52,500.

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

EXPENDITURE STATEMENT

KLONDIKE et al, WEDGE Claim Blocks
(attachment to Assessment Report, July 2002)

2002 Field Season

Assay Fees	19,260.00
Contract Geological Services (Doyle Gold Consulting)	9,594.00
Field Crew Wages (2 field crews over 6 weeks)	21,010.00
Vehicle Hire	2,690.00
Accommodation	2,250.00
Communications ('phone/fax)	834.00
Exploration Supplies	112.00
Equipment Rental (radios, etc)	621.00
Office Supplies/Maps	362.00
Insurance	1,454.00
Sample Freight	585.00
Bookkeeping	2,500.00
C M Thomas, R G Adamson (20 days @ C\$700)	<u>14,000.00</u>
	<u>75,272.00</u>

Cash M Thomas
29 July 2002

EXPENDITURE STATEMENT

**KLONDIKE et al, WEDGE Claim Blocks
(attachment to Assessment Report, July 2002)**

2002 Field Season

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Field Crew Wages (2 field crews over 6 weeks)	21,010.00
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Communications ('phone/fax)	834.00
Exploration Supplies	112.00
Equipment Rental (radios, etc)	621.00
Office Supplies/Maps	362.00
Insurance	1,454.00
Sample Freight	585.00
Bookkeeping	2,500.00
C M Thomas, R G Adamson (20 days @ C\$700)	<u>14,000.00</u>
	<u>75,272.00</u>

KSL Exploration (Yukon) Limited

CONTENTS

EXECUTIVE SUMMARY	1
1 INTRODUCTION.....	2
1.1 <i>Location and Tenements</i>	<i>2</i>
1.2 <i>Klondike Source-Barramundi Gold Joint Venture</i>	<i>2</i>
2 BACKGROUND	2
2.1 <i>Historic Exploration</i>	<i>2</i>
2.2 <i>Project Exploration Concepts and Program</i>	<i>2</i>
2.3 <i>Previous Reports.....</i>	<i>5</i>
3 AIRBORNE GEOPHYSICAL DATA INTERPRETATION	5
3.1 <i>GSC Data Acquired.....</i>	<i>5</i>
3.2 <i>Magnetics.....</i>	<i>5</i>
3.3 <i>Radiometric Data.....</i>	<i>7</i>
4 2001 FIELD GEOCHEMISTRY PROGRAM	7
4.1 <i>Design and Location of Program</i>	<i>7</i>
4.2 <i>Survey Procedures and Presentation.....</i>	<i>7</i>
4.2.1 <i>Survey Procedures.....</i>	<i>7</i>
4.2.2 <i>MMI Data Presentation –80 Mesh.....</i>	<i>8</i>
4.2.3 <i>-80 mesh Soil Gold Data Presentation.....</i>	<i>9</i>
AUTHORS' PROFESSIONAL STATEMENTS	11

LIST OF FIGURES, APPENDICES & ENCLOSURES

Figure 1	Location Map
Figure 2	Klondike Goldfield Geology
Figure 3	Geology and Aeromagnetic Interpretation
Figure 4	Interpretative Geological Cross-section
APPENDIX I	2001 MMI Soil Geochemical Traverse Objectives
APPENDIX II	2001 Geochemical Sampling/Assaying Program Printouts of Digitised Sample Ledger
APPENDIX III	2001 Soil Geochemical Sampling Program: Profiles of MMI and –80 mesh Analytical Data
APPENDIX IV	Certificates of Analysis
ENCLOSURE 1	Map of Claims, 1:50,000 Scale.
ENCLOSURE 2	Summary Plan of Previous Exploration.
ENCLOSURE 3	2001 Program Map, 1:50,000
ENCLOSURE 4	2001 Program and Claims, 1:50,000
ENCLOSURE 5	Soil Geochemical Anomalies, 2000 & 2001, 1:50,000

KSL Exploration (Yukon) Limited

EXECUTIVE SUMMARY

This report documents exploration in the 2001 field season of the northwestern sector of the Klondike Goldfield northeast of Bonanza Creek. The program was essentially a follow-up soil geochemical survey of anomalies defined in the 2000 field season with additional district geotechnical information available from an airborne geophysical program carried out in 2000 by the Geological Survey of Canada.

No new gold anomalous zones were defined in the program. An exploration model, incorporating the airborne geophysical data, highlights the validity of Klondike Source Project drill targets defined in 2000.

COVER PAGE 3 of YUKON ASSESSMENT REPORT

Claim Registrants: Barramundi Gold Limited; KSL Exploration (Yukon) Limited

Address: C/- Klondike Source Limited,
11/80 Arthur Street, North Sydney, NSW, 2060, Australia.
Phone: 612 - 9957 3199; Fax 612 - 9954 4011

Operators: KSL Exploration (Yukon) Limited

Type of Work: Reconnaissance geological and geochemical surveys.

Date of Work: KLONDIKE et al claim groups:
2001/0615 – 2001/0315
WEDGE:
2001/08/15 – 2001/09/05

Author(s) of Report: R.G. Adamson and C.M. Thomas

Professional Field Staff: A. Doyle, P. Ledwidge.

COVER PAGE 1 of YUKON ASSESSMENT REPORT

Property/Project:
NTS MAP SHEET(S):
Longitude: 139°15'W

Klondike Source
115-0-14; 116-B-03
Latitude: 63°58'N

CLAIMS WORKED:

Claim Number	Grant Number
Klondike 12-14	YC 16227 - 16229
Klondike 21	YC 16236
Klondike 26	YC 16241
Klondike 28 - 29	YC 16243 - 16244
Klondike 62 - 64	YC 16277 - 16279
Klondike 66 - 67	YC 16281 - 16282
Klondike 69	YC 16284
Klondike 72	YC 16287
Klondike 97 - 99	YC 16312 - 16314
Klondike 101 - 102	YC 16316 - 16317
Klondike 111	YC 16326
Klondike 113 - 114	YC 16328 - 16329
Klondike 116	YC 16331
Klondike 134	YC 16349
Klondike 136	YC 16351
Klondike 150 - 151	YC 16365 - 16366
Klondike 179 - 180	YC 16394 - 16395
Klondike 182	YC 16397
Klondike 187	YC 16402
Klondike 189 - 190	YC 16404 - 16405
Klondike 194	YC 16409
Klondike 308	YC 16523
Klondike 342	YC 16557
Klondike 344	YC 16559
Klondike 346 - 348	YC 16561 - 16563
Klondike 354 - 355	YC 16569 - 16570
Klondike 397 - 398	YC 16611 - 16612
Klondike 424	YC 16638
Klondike 426 - 427	YC 16640 - 16641
Klondike 432	YC 16646
Klondike 434	YC 16648
Klondike 436 - 437	YC 16650 - 16651
Klondike 439	YC 16653
Klondike 463	YC 16677
Klondike 465	YC 16679
Klondike 502 - 505	YC 16716 - 16719
Klondike 510	YC 16724
Klondike 514	YC 16728
Klondike 582 - 587	YC 16796 - 16801
Klondike 649 - 651	YC 16863 - 16865
Klondike 655 - 656	YC 16869 - 16870
Klondike 744 - 746	YC 16958 - 16960
Klondike 816 - 817	YC 17030 - 17031
Klondike 819 - 822	YC 17033 - 17036
Klondike 826 - 828	YC 17040 - 17042
Klondike 883	YC 17093

COVER PAGE 2 of YUKON ASSESSMENT REPORT**CLAIMS WORKED:**

Claim Number	Grant Number
GAP 1	YC 20727
GAP 7f	YC 20733
GIT 1 - 3	YC 20773 - 20775
GIT 5 - 7	YC 20777 - 20779
ACT 14	YC 20799
ACT 16 - 17	YC 20801 - 20803
NUG 4 - 8	YC 20819 - 20823
WEDGE 53*	YC 15957
WEDGE 56*	YC 15960
WEDGE 118*	YC 16022
WEDGE 121*	YC 16025
WEDGE 150 - 152*	YC 16054 - 16056
WEDGE 157 - 158*	YC 16061 - 16062
WEDGE 159	YC 16063
WEDGE 161	YC 16065
WEDGE 172*	YC 16076
WEDGE 174*	YC 16078
WEDGE 180	YC 16084
WEDGE 182 - 183	YC 16086 - 16087
WEDGE 187	YC 16091
WEDGE 198	YC 16102
WEDGE 204	YC 16108
WEDGE 206	YC 16110
WEDGE 208 - 209	YC 16112 - 16113
WEDGE 211	YC 16115
WEDGE 213	YC 16117
WEDGE 215	YC 16119

*NB: * Work claimed and costed on Schedule 1 of Renewal Application dated 2002/02/12. The remaining WEDGE claim work relates to Schedule 1 with claim costings of Renewal Application dated 2002/07/19.*

All the KLONDIKE and other claim groups relate to Schedule 1 with claim costings of Renewal Application dated 2002/02/27

KSL Exploration (Yukon) Limited

SCHEDULE 1

Sample Line	Claim No				Exploration Costs (CAN\$)		Analytical Costs (CAN\$)			TOTAL
					Collection/Geol.	Super/Comp.	MMI	80 Mesh		
	Name	No.	Sample Sites						#	
			MMI	#	\$67.0	\$20.0	\$21.5	\$21.6	\$10.5	
18	Klondike	822		5					52.5	52
	Klondike	820		4					42.0	42
19	Klondike	817		5					52.5	52
	Klondike	816		5					52.5	52
	Klondike	827	2		134	40	43.0			217
59A	Klondike	826	5		335	100	107.5			542
	Klondike	828	6		402	120	129.0			651
	Klondike	883	3		201	60	64.5			326
	Klondike	63		2					21.0	21
5A	Klondike	62		13					136.5	136
	Klondike	99		3					31.5	32
	Klondike	101		5					52.5	52
	Klondike	102		8					84.0	84
	Klondike	136	10		670	200	215.0	216.0		1,301
84	Klondike	134	4		268	80	86.0	86.4		520
TOTALS:										4,079

KSL Exploration (Yukon) Limited

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Sample Line	Claim No				Exploration Costs (CAN\$)		Analytical Costs (CAN\$)			TOTAL
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					\$67.0	\$20.0	\$21.5	\$21.6	\$10.5	
18	Klondike	822		5					52.5	52
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84	Klondike	134	4		268	80	86.0	216.0		1,301
							86.0	86.4		520
TOTALS:										4,079

101
 Typo : Re SA : 101 for 107

Klondike Source Limited**SCHEDULE 2****CLAIMS BEING RENEWED**

Name	No.	Grant No.	Period for Renewal	Renewal Costs (C\$)
WEDGE	75	YC 15979	1 Year to 2003/08/03	1 x 5 : 5
WEDGE	77 - 95	YC 15981 - 15999	1 Year to 2003/08/03	19 x 5 : 95
WEDGE	97 - 100	YC 16001 - 16004	1 Year to 2003/08/03	4 x 5 : 20
WEDGE	111-133	YC 16015 - 16037	1 Year to 2003/08/03	23 x 5 : 115
WEDGE	138-162	YC 16042 - 16066	1 Year to 2003/08/03	25 x 5 : 125
WEDGE	164	YC 16068	1 Year to 2003/08/03	1 x 5 : 5
WEDGE	166-184	YC 16070 - 16088	1 Year to 2003/08/03	19 x 5 : 95
WEDGE	186-201	YC 16090 - 16105	1 Year to 2003/08/03	16 x 5 : 80
WEDGE	204-219	YC 16108 - 16123	1 Year to 2003/08/03	16 x 5 : 80
WEDGE	224-225	YC 16128 - 16129	1 Year to 2003/08/03	2 x 5 : 10
				CLAIMS RENEWAL: 126 630
				GROUPING COST 9 x 5 45
				TOTAL: 675

KSL Exploration (Yukon) Limited

1 INTRODUCTION

This Assessment Report on KLONDIKE-BEAR-GAP-IF-ACT-GIT-NUG and WEDGE Claims, which form a contiguous block, refers to work carried out during the 2001 field season from June to end August and presents the results thereof.

1.1 Location and Tenements

This large claim block of 809 claims is located southwest of Dawson City, in the northwestern sector of the Klondike Goldfield. To the west and south the claims are bounded by Bonanza Creek and to the southeast by Independence Creek, a major tributary of Hunker Creek (Figures 1 and 2).

Table 1 is a Schedule of the Claims, the subject of this report, and associated renewal applications made in February, 2002 (KLONDIKE, BEAR, GAP, IF, ACT, GIT & NUG) and for the adjacent WEDGE claims made in February and July 2002.

Enclosure 1 is a 1:50,000 scale plan of the claim boundaries based on a GPS survey of the KLONDIKE, BEAR and WEDGE claim blocks and GPS positioning of posts on the other claim blocks.

1.2 Klondike Source-Barramundi Gold Joint Venture

Klondike Source Limited (KSL), an unlisted Australian public company, wholly owns a Yukon-listed subsidiary - KSL Exploration (Yukon) Limited. The Canadian subsidiary is the holder and Operator of a Joint Venture with the Canadian (CDNX, Calgary) listed company Barramundi Gold Limited. The Joint Venture is currently conducted under a Heads of Agreement providing the right for KSL Yukon to earn a minimum 50% interest in the Claim groups which are the subject of this report. This exploration project is referred to as the Klondike Source Project ("KSP").

2 BACKGROUND

2.1 Historic Exploration

The only hardrock gold locality reported within the area of the Klondike and Wedge claims is the long-known Virgin workings, above the confluence of Discovery Pup and Bear Creek (139° 14' W, 64°00' N). In year 2001 the area was under claim by other parties. There are no open file reports concerning work by recent claim holders on this early gold discovery, other than a referencing of historic data (Mortensen, 1984).

2.2 Project Exploration Concepts and Program

July 1st, 2001 saw the release of all Assessment Reports older than 2 years relating to open ground, i.e. claims that had lapsed.

Enclosure 2 is a compilation of all the relevant exploration work, other than geophysical surveys, on open file in early July, 2001.

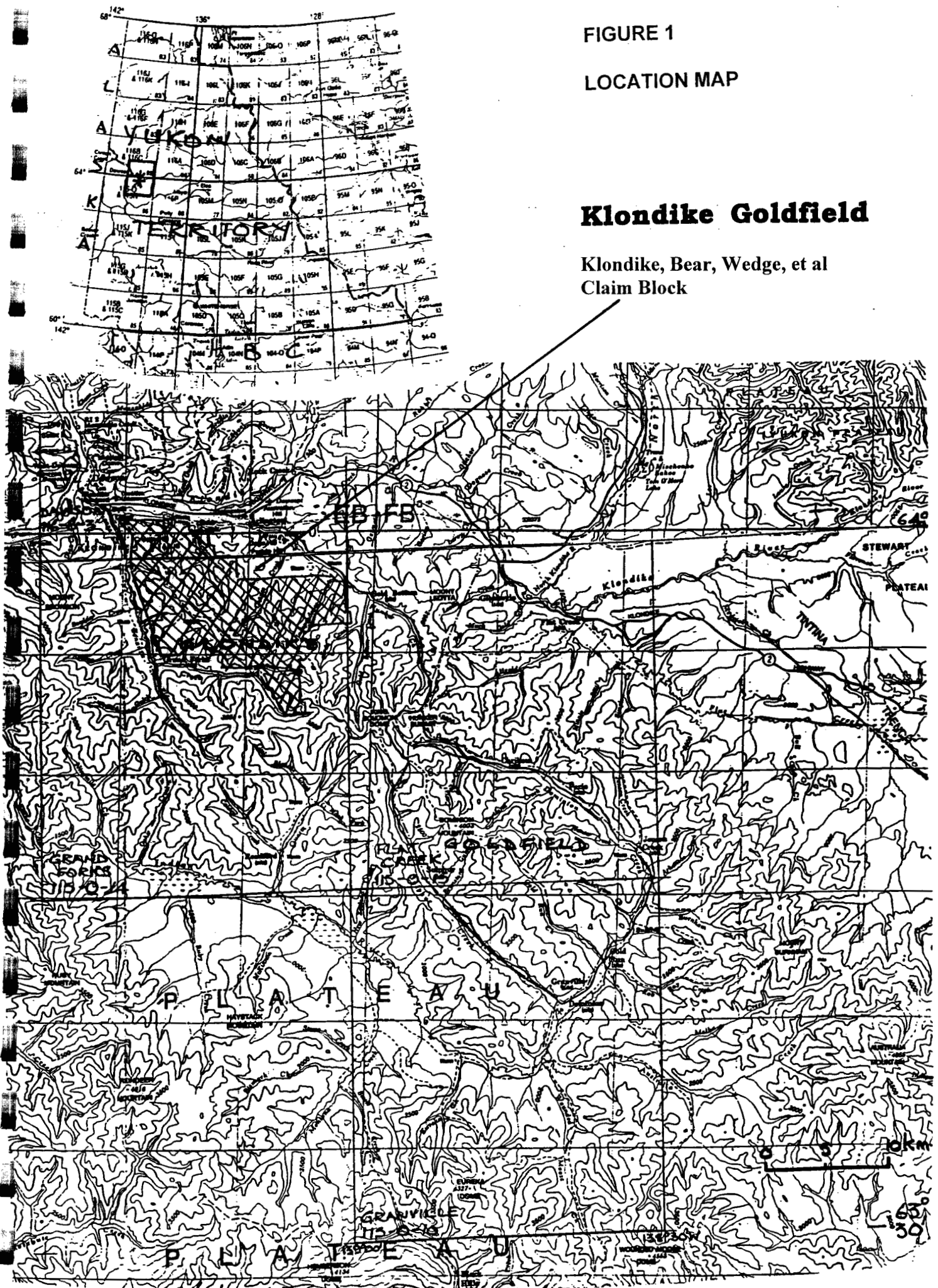
KSL Exploration (Yukon) Limited

FIGURE 1

LOCATION MAP

Klondike Goldfield

Klondike, Bear, Wedge, et al
Claim Block



KSL Exploration (Yukon) Limited

TABLE : SCHEDULE OF CLAIMS

Name	No.	Grant Number	No. claims	Expiry Date	Renewed To
Klondike	2, 4, 6	(YC 16217, -19, -21)	3	2002/6/07	2003/06/07
Klondike	9 - 14	(YC 16224 - 16229)	6	2002/6/07	2003/06/07
Klondike	20 - 29	(YC 16235 - 16244)	10	2002/6/07	2003/06/07
Klondike	49 - 54	(YC 16262 - 16269)	6	2002/6/07	2002/12/07
Klondike	63	(YC 16278)	1	2002/6/07	2003/06/07
Klondike	65 - 73	(YC 16280 - 16288)	9	2002/6/07	2003/06/07
Klondike	78 - 79	(YC 16293 - 16294)	2	2002/6/07	2003/06/07
Klondike	80 - 89	(YC 16295 - 16304)	10	2002/6/07	2002/12/07
Klondike	103	(YC 20050)	1	2002/06/16	2003/06/07
Klondike	106	(YC 20053)	1	2002/06/16	2003/06/07
Klondike	109 - 114	(YC 16324 - 16329)	6	2002/06/07	2003/06/07
Klondike	115 - 128	(YC 16330 - 16343)	14	2002/06/07	2002/12/07
Klondike	134	(YC 16347)	1	2002/06/07	2003/06/07
Klondike	136	(YC 16351)	1	2002/06/07	2003/06/07
Klondike	147	(YC 20056)	1	2002/06/16	2003/06/07
Klondike	149 - 150	(YC 16364 - 16365)	2	2002/06/07	2003/06/07
Klondike	151 - 166	(YC 16366 - 16381)	16	2002/06/07	2002/12/07
Klondike	169 - 170	(YC 16383 - 16385)	2	2002/06/07	2002/12/07
Klondike	171 - 173	(YC 16386 - 16388)	3	2002/06/07	2003/06/07
Klondike	175	(YC 16390)	1	2002/06/07	2003/06/07
Klondike	187 - 188	(YC 16402 - 16403)	2	2002/06/07	2003/06/07
Klondike	189 - 204	(YC 16404 - 16419)	16	2002/06/07	2002/12/07
Klondike	247 - 251	(YC 16462 - 16466)	5	2002/06/07	2002/12/07
Klondike	252 - 256	(YC 16467 - 16471)	5	2002/06/07	2003/06/07
Klondike	292 - 303	(YC 16507 - 16518)	12	2002/06/07	2002/12/07
Klondike	304	(YC 16519)	1	2002/06/07	2003/06/07
Klondike	305	(YC 16520)	1	2002/06/07	2002/12/07
Klondike	311 - 315	(YC 16526 - 16530)	5	2002/06/07	2003/06/07
Klondike	324, -6, -8	(YC 16539, -41, -43)	3	2002/06/07	2003/06/07
Klondike	337 - 341	(YC 16552 - 16556)	5	2002/06/07	2002/12/07
Klondike	342 - 349	(YC 16557 - 16564)	8	2002/06/07	2003/06/07
Klondike	358 - 361	(YC 16573 - 16576)	4	2002/06/07	2003/06/07
Klondike	362	(YC 16577)	1	2002/06/07	2002/12/07
Klondike	363	(YC 16578)	1	2002/06/07	2003/06/07
Klondike	364	(YC 16579)	1	2002/06/07	2002/12/07
Klondike	366	(YC 16581)	1	2002/06/07	2002/12/07
Klondike	367	(YC 16582)	1	2002/06/07	2003/06/07
Klondike	368	(YC 16583)	1	2002/06/07	2002/12/07
Klondike	369	(YC 16584)	1	2002/06/07	2003/06/07
Klondike	370	(YC 16585)	1	2002/06/07	2002/12/07
Klondike	371	(YC 16586)	1	2002/06/07	2003/06/07
Klondike	372	(YC 16587)	1	2002/06/07	2002/12/07
Klondike	373	(YC 16588)	1	2002/06/07	2003/06/07
Klondike	374	(YC 16589)	1	2002/06/07	2002/12/07
Klondike	375	(YC 16590)	1	2002/06/07	2003/06/07
Klondike	376	(YC 16591)	1	2002/06/07	2002/12/07
Klondike	398	(YC 16612)	1	2002/06/07	2003/06/07
Klondike	400- 422	(YC 16614 - 16636)	23	2002/06/07	2002/12/07
Klondike	428 - 433	(YC 16642 - 16647)	6	2002/06/07	2003/06/07
Klondike	343 - 451	(YC 16648 - 16665)	18	2002/06/07	2002/12/07
Klondike	463	(YC 16677)	1	2002/06/07	2002/12/07
Klondike	465	(YC 16679)	1	2002/06/07	2002/12/07

KSL Exploration (Yukon) Limited

Name	No.	Grant Number	No. claims	Expiry Date	Renewed To
Klondike	467	(YC 16681)	1	2002/06/07	2002/12/07
Klondike	469	(YC 16683)	1	2002/06/07	2002/12/07
Klondike	471	(YC 16685)	1	2002/06/07	2002/12/07
Klondike	473	(YC 16687)	1	2002/06/07	2002/12/07
Klondike	475	(YC 16689)	1	2002/06/07	2002/12/07
Klondike	477	(YC 16691)	1	2002/06/07	2002/12/07
Klondike	479	(YC 16693)	1	2002/06/07	2002/12/07
Klondike	481	(YC 16695)	1	2002/06/07	2002/12/07
Klondike	483	(YC 16697)	1	2002/06/07	2002/12/07
Klondike	485	(YC 16699)	1	2002/06/07	2002/12/07
Klondike	487	(YC 16701)	1	2002/06/07	2002/12/07
Klondike	489	(YC 16703)	1	2002/06/07	2002/12/07
Klondike	491	(YC 16705)	1	2002/06/07	2002/12/07
Klondike	493	(YC 16707)	1	2002/06/07	2002/12/07
Klondike	495	(YC 16709)	1	2002/06/07	2002/12/07
Klondike	497 - 528	(YC 16711 - 16742)	32	2002/06/07	2002/12/07
Klondike	531 - 532	(YC 16745 - 16746)	2	2002/06/07	2002/12/07
Klondike	572 - 601	(YC 16786 - 16815)	30	2002/06/07	2002/12/07
Klondike	637 - 670	(YC 16851 - 16884)	34	2002/06/07	2002/12/07
Klondike	730 - 735	(YC 16944 - 16949)	6	2002/06/07	2002/12/07
Klondike	740 - 759	(YC 16954 - 16973)	20	2002/06/07	2002/12/07
Klondike	764 - 767	(YC 16978 - 16981)	4	2002/06/07	2002/12/07
Klondike	804 - 807	(YC 17018 - 17021)	4	2002/06/07	2002/12/07
Klondike	812 - 831	(YC 17026 - 17045)	20	2002/06/07	2002/12/07
Klondike	859	(YC 17069)	1	2002/06/07	2002/12/07
Klondike	861	(YC 17071)	1	2002/06/07	2002/12/07
Klondike	863	(YC 17073)	1	2002/06/07	2002/12/07
Klondike	865	(YC 17075)	1	2002/06/07	2002/12/07
Klondike	867	(YC 17077)	1	2002/06/07	2002/12/07
Klondike	869 - 889	(YC 17079 - 17099)	21	2002/06/07	2002/12/07
Klondike	912 - 933	(YC 17121 - 17142)	22	2002/06/07	2002/12/07
BEAR	8	(YC 20018)	1	2002/06/16	2003/06/16
BEAR	10	(YC 20020)	1	2002/06/16	2003/06/16
BEAR	14 - 18	(YC 20024 - 20028)	5	2002/06/16	2002/12/16
BEAR	20	(YC 20030)	1	2002/06/16	2003/06/16
BEAR	22	(YC 20032)	1	2002/06/16	2003/06/16
GAP	1 - 34	(YC 20727 - 20760)	34	2002/06/18	2002/12/18
GAP	35 - 44	(YC 20806 - 20815)	10	2002/07/03	2003/01/03
IF	1 - 2	(YC 20711 - 20712)	2	2002/06/18	2003/06/18
IF	3 - 16	(YC 20713 - 20726)	14	2002/06/18	2002/12/18
ACT	1 - 20	(YC 20786 - 20805)	20	2002/07/03	2003/07/03
GIT	1 - 13	(YC 20773 - 20785)	13	2002/07/03	2003/07/03
NUG	1 - 12	(YC 20816 - 20827)	12	2002/07/03	2003/07/03
WEDGE	75	YC 15979	1		2003/08/03
WEDGE	77 - 100	YC 15981 - 16004	24		2003/08/03
WEDGE	111-133	YC 16015 - 16037	23		2003/08/03
WEDGE	138-162	YC 16042 - 16066	25		2003/08/03
WEDGE	164	YC 16068	1		2003/08/03
WEDGE	166-184	YC 16070 - 16088	19		2003/08/03
WEDGE	186-201	YC 16090 - 16105	16		2003/08/03
WEDGE	204-221	YC 16108 - 16125	18		2003/08/03
WEDGE	224-225	YC 16128 - 16129	2		2003/08/03

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The significant data sets and results of the Klondike Source Project (KSP) are:

- The presence of only 1 detailed soil grid in the northwest sector of the Goldfield which has contourable anomalies (Grunenberg, 1989); this anomaly is adjacent to KSL's major anomalies,
- The Arbor data noted above also has a reported IP geophysical anomaly of interest: a deep zone of low resistivity (?sub-horizontal carbonaceous/graphite horizon) which is open-ended in the head water of the Bear Creek drainage system,
- Drilling along and close to Lower Bonanza Creek has tested without success a number of types of targets (e.g. IP, inferred epithermal system at Trail/Cripple Gulch, (Blanch Flower, 1992; Tomlinson & Gonzalez, 1990))
- Also, drilling in the Hunker Creek/lower Last Chance Creek district east of the KSP claims has lacked success where one group of drillholes tested a (?) Carmacks cycle (Paleocene) volcanic system (Cranswick et al, 1995).
- No drilling has occurred along the central, highland ridges of the northern parts of the Goldfield, i.e. where KSP has defined drill targets.
- The gold anomalies in the Lone Star district include those from 3m auger drilling of Kennecott over an area with substantial historic trenching, roads/trails and values up to 500 ppb (0.5 ppm); i.e. a magnitude higher than elsewhere, the same order of soil anomalies occur around the equally culturally disturbed Mitchell-Sheba district (King Solomons/Hunker Dome) (BAM data).

2.3 Previous Reports

Previous KSP Assessment Reports provide details and summaries of the Project exploration concepts and work carried out on the claims (Adamson & Thomas, 2000, 2001). Figure 2 provides a summary of the regional geology and cartoon of the structural regime envisaged.

3 AIRBORNE GEOPHYSICAL DATA INTERPRETATION

3.1 GSC Data Acquired

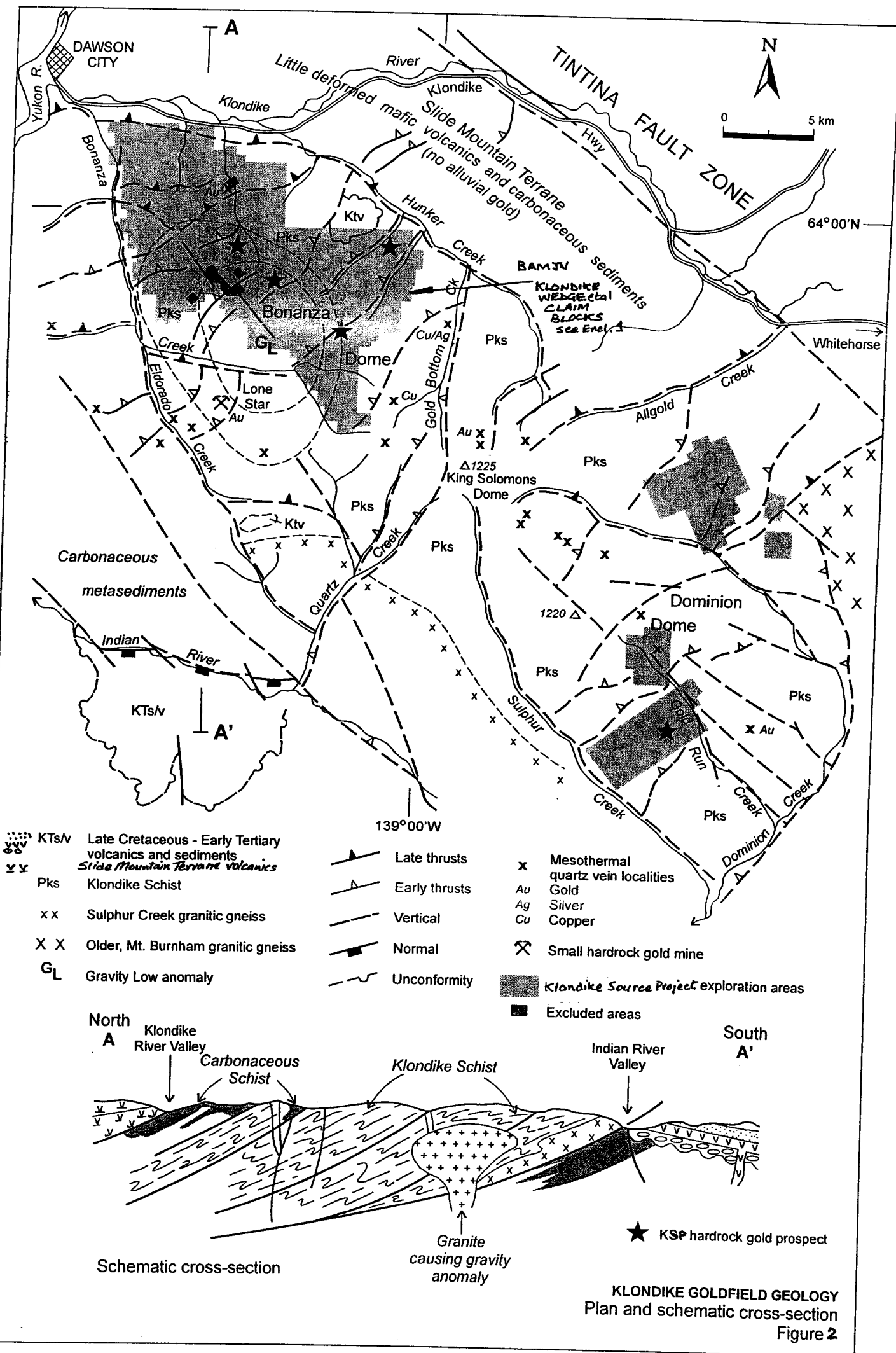
The Geological Survey of Canada ("GSC") initiated in 2000 a major airborne combined magnetics/radiometrics/electromagnetics survey transect from NE and SW across the northern sector of the Klondike Goldfield. The survey extended from the Tintina Fault Zone/Graben (64°00'N) to the USA border in the SW corner of the Stewart River 1:250,000 map sheet in the vicinity of the Longline alluvial/hardrock prospect.

KSP acquired the 1:50,000 scale data set covering the Grand Forks sheet (115 0/14; GSC ref. 3992).

3.2 Magnetism

The major features of Total Magnetic Intensity (TMI) data, which reflects better the deeper magnetic features, and the first Vertical Derivative map providing the magnetic signatures closer to surface and thus more likely mappable units are:

- (i) A reversely-polarised terrane centred south of the Indian River which is correlated with Permian-age Sulphur Creek Gneiss plutonism and Klondike Schist metamorphism; the axis of this event appears to NW-SE.



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- (ii) A broad E-W magnetic high ridge, best defined on TMI data and therefore deep, which extends across the northern part of the Klondike Goldfield. It is suggested that this is due to Mesozoic plutonism, and a mid-Cretaceous age is suggested (cf. E-W mid Cretaceous granite of the western Tanana terrane in Alaska). Interpretation of the inferred cross-cutting relationship of this inferred Mesozoic domain on the older Permian Sulphur Creek Gneiss/Klondike Schist terrane is poorly defined or enigmatic.
- (iii) The 1st Vertical Derivative data indicates the lack of steeply-dipping regional units in the Klondike Schist, providing confirmation of the KSP structural field data and interpretation of dominantly shallow-dipping F1 schistosity parallel to lithology in the Goldfield district.
- (iv) In addition, the 1st Vertical Derivative data set defines a number of dipole-like magnetic highs dominantly around the margins of the Goldfield, e.g. Sourdough Creek-Bonanza Creek confluence, upper Hunker Creek, and lower Last Chance Creek.

These features are correlated with inferred Carmacks cycle (Latest Cretaceous-Paleocene, 70 my) intrusive granodiorite/tonalite bodies/stocks with intrusive breccias (Bonanza Creek-500m S of Sourdough Gulch; Whisky Hill, upper Hunker Creek) or undeformed volcanic breccias and andesite/basalt flows (lower Last Chance Creek). Substantial areas or zones of disseminated sulphides (pyrite) associated with these intrusives (in the granitoid or surrounding Klondike Schist) have been repeatedly assayed for gold with nearly invariably low values (1-25 ppb). Also, the distribution, as defined by its characteristic magnetic signature, cannot explain the alluvial gold distribution of this magmatic episode.

- (v) Two sets of vertical magnetic features occur, both reversely magnetised, and are interpreted as mafic dykes of different ages:
 - an early NW-trending set seen in the southeast (Dominion Mountain) which controls air photo or drainage lineaments (e.g. Gold Run Creek), and is also reflected in the 1960's high level regional aeromagnetics survey data, and
 - a younger set of N-trending dykes best defined in the Indian River district; it is suggested that these features may correlate with very poorly exposed (?brecciated) gabbro/coarse dolerite (e.g. upper Bonanza Creek, S of Carmacks Fork) and are perhaps of late Carmacks magmatic cycle. Lower Bonanza Creek is partially controlled or parallels such a dyke-like feature. Often associated very fine grained dolerite may be of a still younger (?Eocene or Neogene) age.
- (vi) Major faults/structure zones noted in the magnetic data are:
 - NNE-trending, along Last Chance Creek terminating the E-W (?Mesozoic) magnetic high,
 - NE- to ENE-trending, ovoid magnetic lows in the Carmacks Fork-Independence Creek district and most prominently the Soda Creek-Gold Bottom Creek district; these features are separated by a parallel, arcuate, magnetic high zone correlated with metagabbro in the Klondike Schist terrane, and
 - a WNW-trending magnetic low on the central ridge of the northern Goldfield between the headwaters of Last Chance Creek and Homestake and Mackay gulches.

A conceptual geological interpretation of this last magnetic low and adjacent magnetic highs with KSP's associated MMI soil geochemical anomalies forms the basis for Figures 3 and 4.

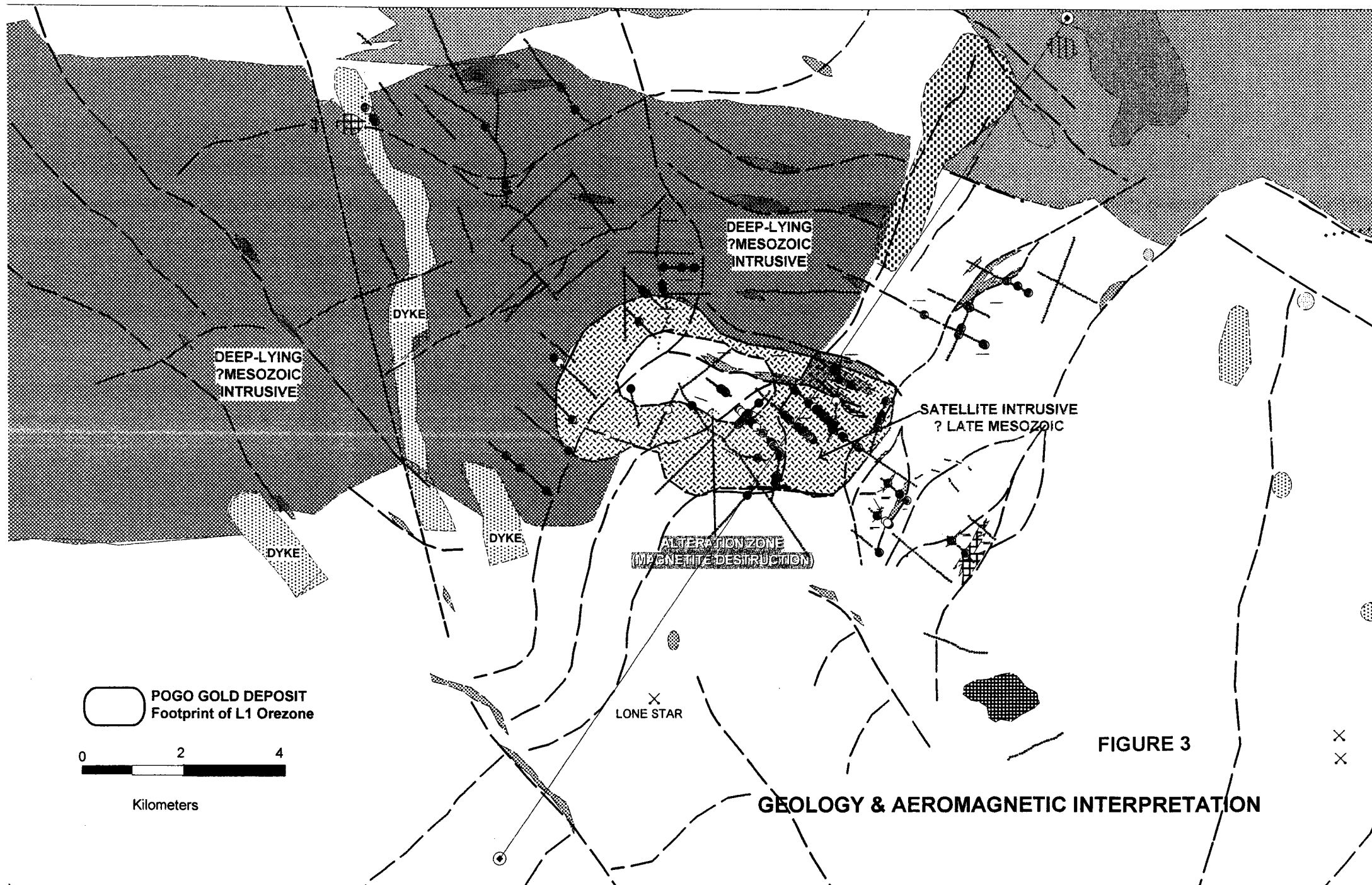


FIGURE 3

GEOLOGY & AEROMAGNETIC INTERPRETATION

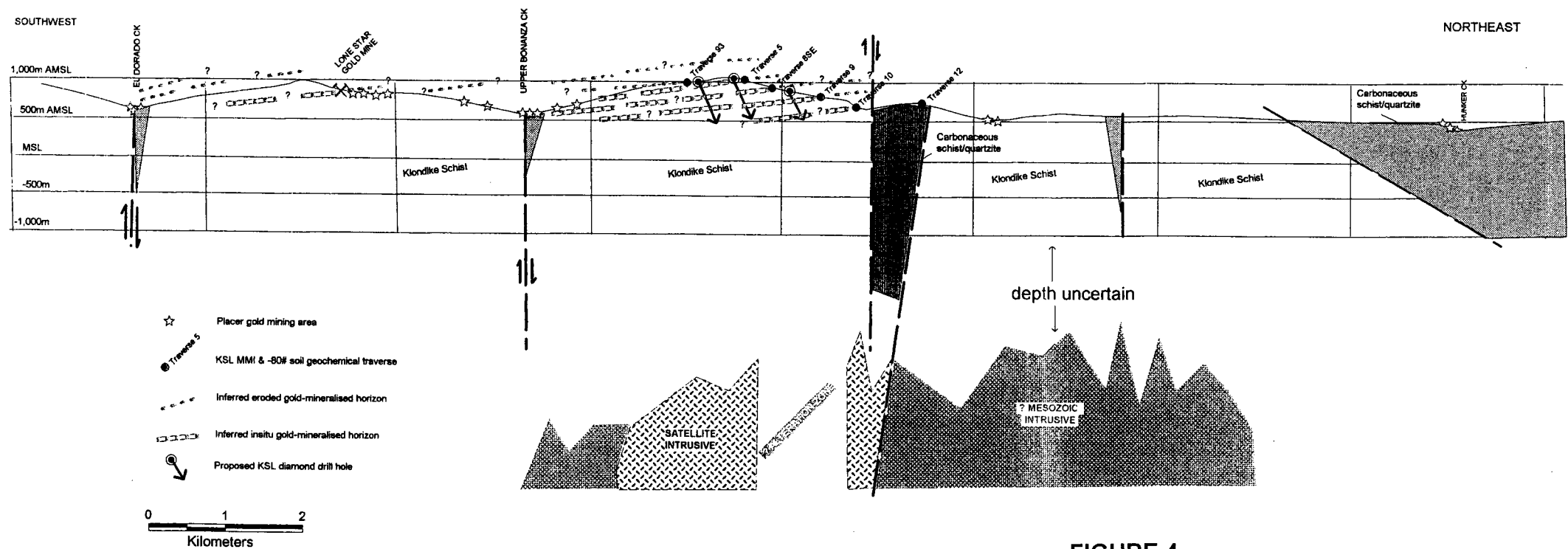


FIGURE 4

INTERPRETIVE GEOLOGICAL CROSS-SECTION

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3.3 Radiometric Data

The most useful data is usually the Th/K ratio which provides the bases for differentiating granitic (Th-enhanced) domains from argillic altered zones (K-enhanced).

In the northern Klondike there is a high K background (potash rich acid Klondike Schist) and it is easier to define high Th areas associated with (?) Carmacks cycle volcanics and/or Nasina Formation carbonaceous schists in the Jackson Gulch-Cripple Hill area, Paradise Hill (lower Last Chance Creek), southeast of Independence Creek, and Carmacks Fork district.

The magnetic low in the headwaters of Last Chance Creek which is probably a de-magnetised zone (i.e. altered) is less K-enriched than adjacent areas.

4 2001 FIELD GEOCHEMISTRY PROGRAM

4.1 Design and Location of Program

This program was instigated with a limited budget to:

- hold the major claim block acquired by the KSP,
- test major features of the GSC airborne magnetics survey, and
- improve the -80 mesh conventional soil analytical database to provide comparative data with the MMI database; this objective was partially met by assaying a large number of -80 mesh samples collected in the 2000 field season for a broad spectrum of elements other than gold (previously assayed in 2000).

Appendix I contains a list of objectives for the traverse lines in the 2001 program; Enclosures 3 and 4 are a map and plan showing the location of 2001 sample traverse / -80 mesh assay lines with regard to topography and claim boundaries respectively. Enclosure 5 is a compilation with a topographic base showing the major MMI and -80 mesh gold soil anomalies for field seasons 2000 and 2001.

4.2 Survey Procedures and Presentation

4.2.1 Survey Procedures

It was decided to carry out the production survey at 50m sample intervals and to continue using XRAL Laboratories of Toronto but to confine analyses to MMI Digest B for Au, Ag, Ni, Pd and Co. It was concluded that the "orientation-type" survey had shown little correlation of MMI gold and silver anomalies with gold pathfinder elements (arsenic, antimony, tellurium) or with bismuth, an inferred Tintina Gold Belt pathfinder.

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

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

Field log sheets were utilised to record sample identity together with potentially relevant data on

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topography, soil conditions and identified rock fragments. All data was entered to a Soil Geochemistry Sample and Assay Ledger compiled in Excel 97 spreadsheet format.

All sampling was carried out under the supervision of Peter Ledwidge, a Dawson-based geologist of over 10 years experience, who was trained in the MMI sampling methodology by consultant Dr R Birrell. The rock fragment nomenclature applied by Ledwidge was that which had been developed by KSL senior consultants in the course of field mapping during 1999 and 2000 field seasons.

Sample positions were captured in the field as waypoint data in UTM coordinates using Garmin and Magellan GPS instruments. Following the US Government's removal of Selective Availability from GPS signals on 1 May 2000, fix accuracy and point recovery was tested and found to be +/- 2m in the Klondike Hills. GPS waypoint data were downloaded to computer files and incorporated to the Soil Geochemistry Sample and Assay Ledger.

As well as Certificates of Analysis (Appendix IV) each laboratory supplied all analyses in digital form. The digital assay data was incorporated to the Soil Geochemistry Sample and Assay Ledger.

A printout of the entire 2000 Soil Geochemistry Sample and Assay Ledger is appended (Appendix II).

4.2.2 MMI Data Presentation –80 Mesh

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

MMI Technology recommend use of response ratios to:

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

Determining the Background:

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

Calculating MMI Response Ratios:

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

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

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

Gold and silver (Side-by-side bar charts)

Cobalt, nickel and palladium (Composite bar charts)

Bar charts) for MMI Response Ratios for Au & Ag, and Co, Ni & Pd for each traverse are presented in Appendix III.

Response Ratio data was then imported to MapInfo tables for statistical analysis, location and plan plotting of anomalous data onto NTS map sheet raster images. A plan showing location of – 80 mesh and MMI gold anomalies is presented as Enclosure 5 and includes the 2000 year results.

4.2.3 -80 mesh Soil Gold Data Presentation

No manipulation of this limited dataset was undertaken.

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

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

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

I hold the degrees of BSc and MSc (First Class Honours in Geology).

I am a Member of the Australasian Institute of Mining & Metallurgy (30 years membership) and of the Mining Industry Consultants Association (Australia) (6 years membership).

I was admitted to the status of Chartered Practising Geologist (AusIMM) in February 2000.



July 19, 2002

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

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

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

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

I am a founding Director of Klondike Source Limited.

Signed



C M Thomas

July 19, 2002

APPENDIX I

2001 MMI Soil Geochemical Traverse Objectives

Line No.	Traverse Objectives
8 SE	Testing extension of anomaly on Line 8 of 2000 field season.
59 A	NE extension of 2000 anomaly on Line 59.
65	Test of magnetic high-low zones and topographic high at right angles to inferred SW-dipping lithology.
68	NE-trending ridge sub-parallel to ridges in Last Chance headwaters (anomalous zones, 2000 program).
69	En-echelon extension SW of Line 68 to headwater area of Queen Gulch.
71 72	} Testing extension/geometry of 2000 anomaly.
76 77	} Lines at right angles, along and across bump on ridge with exceeding high gravity value; stream sediment data indicate high A's district.
78 79	} En-echelon, NW-trending lines testing MMI signatures across major ridge between Gauvin Gulch and Queen Gulch; and hanging wall of Gauvin Gulch thrust.
82 83	} Testing possible W extensions of anomalies from Arbor and KSP 2000 surveys; Also, hanging wall & footwall of inferred thrusts along Gauvin & Homestake gulches.
84	Testing across centre of major magnetic low and vicinity of Arbor -80 mesh soil anomalies
85	Testing southern extension of gold anomaly of 2000 field season.
86	Testing ridge in SE part of Last Chance headwaters which is parallel to gold anomalous ridges to W.
91	Testing ridge between Gauvin and Homestakes gulches and footwall & hanging wall of gulch thrusts, also minor magnetic low trending N.
93 95	} Testing SW & S extension of 2000 program anomalies on SW slopes as opposed to NE slopes.
97 98 101	} Testing extension along inferred strike of lithology (NE-SW), and parallel magnetic low zones and topographic ridges/valleys in the Carmacks Fork district..

APPENDIX II

2001 Geochemical Sampling/Assaying Program

Printouts of Digitised Sample Ledger

GPS Co-ordinates

Soil Types/Notes

Sample Analytical Data

A. 2000 samples: -80 mesh broad spectrum analytical data, 2001

B. 2001 survey: MMI and -80 mesh analytical data

ABBREVIATIONS FOR GEOCHEMICAL & GEOLOGICAL NOTATIONS

<u>LAND FORM</u>	<u>STATE</u>	<u>COLOUR</u>	<u>SOIL COMPOSITION</u>	<u>ROCKS</u>
F Flat	W Wet	o Orange	cl clayey	s schist
S 0-5 deg slope	f Frozen	y Yellow	si silty	qte quartzite
S+ 5-10 deg slope	pf Partly frozen	r Red	s sandy	por porphyry
S++ >10 deg slope	org Organic	b Brown	gr gritty	gd granodiorite
R Ridge top	sk Skeletal	g Grey	gv gravelly	
V Valley floor		blk Black	r fg rock fragments	q quartz
				f feldspar
				m muscovite
				ser sericite
				b biotite
				c chlorite
				p pyrite
				carb carbonaceous
				qv vein quartz
				met metamorphic
				meso mesothermal
				ox oxidised
				lim limonitic
				hem hematitic
				tr trace
				ptly partly

A) 2000 samples:
-80 mesh broad spectrum
analytical data

SAMPLE No.
TRAVERSE 5(-80)

Scheme Code
Analysis Unit

	Au 3993 ppb	Ag 2118 ppm	Al 2119 %	As 2120 ppm	B 557 ppm	Ba 2121 ppm	Be 2122 ppm	Bi 2123 ppm	Ca 2124 %	Cd 2125 ppm	Co 2126 ppm	Cr 2127 ppm	Cu 2128 ppm	Fe 2150 %	Ga 2130 ppm	Hg 2131 ppm	K 2132 %
K-0123	5	0.2	2.29	360 <10		260 <0.5	<2		0.06 <0.5		9	29	19	3.02 <10	<1		0.04
K-0124	4 <0.2		2.45	202 <10		210	0.5 <2		0.05 <0.5		9	27	20	2.94 <10	<1		0.05
K-0125	6 <0.2		1.62	80 <10		200 <0.5	<2		0.07	0.5	6	21	15	2.93 <10	<1		0.03
K-0126	<1	0.2	2.11	40 <10		270	0.5 <2		0.05 <0.5		6	22	13	3.65 <10	<1		0.04
K-0127	<1	0.2	2.07	84 <10		260 <0.5	<2		0.05 <0.5		7	24	15	2.9 <10	<1		0.04
K-0128	2	0.2	1.88	34 <10		230 <0.5	<2		0.05 <0.5		7	22	12	3.06 <10	<1		0.03
K-0129	5 <0.2		1.86	22 <10		130 <0.5	<2		0.06 <0.5		8	23	18	2.34 <10	<1		0.05
K-0130	<1	0.2	1.27	24 <10		260 <0.5	<2		0.05 <0.5		3	8	8	1.73 <10	<1		0.07
K-0131	<1 <0.2		1.74	42 <10		320 <0.5	<2		0.04	0.5	4	14	10	2.43 <10	<1		0.04
K-0132																	
K-0133		0.2	2.15	20 <10		220 <0.5	<2		0.05 <0.5		7	28	14	3.18 <10	<1		0.04
K-0134	3 <0.2		1.78	18 <10		190 <0.5	<2		0.04 <0.5		5	19	9	2.82 <10	<1		0.05
K-0135	3																
K-0136	<0.2		1.35	38 <10		270 <0.5	<2		0.04 <0.5		4	13	9	1.86 <10	<1		0.04
K-0137	<1 <0.2		1.47	18 <10		350 <0.5	<2		0.09 <0.5		8	18	17	2.11 <10	<1		0.04
K-0138	5 <0.2		1.23	20 <10		150 <0.5	<2		0.05 <0.5		4	14	11	1.72 <10	<1		0.03
K-0139	5 <0.2		1.47	20 <10		220 <0.5	<2		0.1 <0.5		6	19	17	2.05 <10	<1		0.04
K-0140	5 <0.2		1.11	18 <10		160 <0.5	<2		0.08 <0.5		5	13	12	1.58 <10	<1		0.06
K-0141	8 <0.2		1.06	12 <10		150 <0.5	<2		0.06 <0.5		4	12	10	1.48 <10	<1		0.06
K-0142	2 <0.2		0.91	16	10	190 <0.5	<2		0.08 <0.5		4	11	11	1.34 <10	<1		0.06
K-0143	5 <0.2		1.27	18 <10		210 <0.5	<2		0.08 <0.5		5	16	12	1.75 <10	<1		0.04
K-0144	3																
K-0145	4																
K-0146	3	<0.2	1.86	12	<10	340	<0.5	<2	0.11	<0.5	7	25	14	2.39	<10	<1	0.05
K-0147	<1	<0.2	1.23	10	<10	260	<0.5	<2	0.09	<0.5	5	17	11	1.63	<10	<1	0.05
K-0148	6	<0.2	2.22	14	<10	310	<0.5	<2	0.09	<0.5	8	33	13	3.34	<10	<1	0.05
K-0149	<1	<0.2	2.56	10	<10	330	<0.5	<2	0.11	<0.5	8	36	21	2.96	<10	<1	0.06
K-0150	1	0.2	1.58	8	<10	380	<0.5	<2	0.15	<0.5	5	23	8	2.72	<10	<1	0.05
K-0151	<1	<0.2	2.66	10	<10	550	0.5	<2	0.1	<0.5	8	30	12	2.7	<10	<1	0.05
K-0152		<0.2	2.04	12	<10	330	<0.5	<2	0.08	<0.5	7	30	11	3.17	<10	<1	0.04
K-0153	8																
K-0154	3	<0.2	0.82	24	<10	130	<0.5	<2	0.04	<0.5	4	9	7	1.1	<10	<1	0.06
K-0155	1	<0.2	1.25	14	<10	570	<0.5	<2	0.12	<0.5	5	15	9	1.79	<10	<1	0.06
K-0156	<1	<0.2	1.88	10	<10	360	<0.5	<2	0.1	<0.5	5	25	8	2.18	<10	<1	0.06
K-0157	<1	<0.2	0.83	6	<10	150	<0.5	<2	0.04	<0.5	1	8	4	0.79	<10	<1	0.07
K-0158	11	<0.2	1.04	10	<10	150	<0.5	<2	0.08	<0.5	6	12	15	1.46	<10	<1	0.09
K-0159	4	<0.2	1.45	28	<10	240	<0.5	<2	0.1	<0.5	5	19	16	1.75	<10	<1	0.07
K-0160	1	<0.2	1.33	8	<10	180	<0.5	<2	0.1	<0.5	5	17	12	1.57	<10	<1	0.08
K-0161	1	<0.2	1.44	8	<10	270	<0.5	<2	0.12	<0.5	5	19	11	1.79	<10	<1	0.07
K-0162	<1	<0.2	1.38	6	<10	270	<0.5	<2	0.1	<0.5	5	18	10	1.7	<10	<1	0.06
K-0163	4	<0.2	1.14	6	<10	280	<0.5	<2	0.07	<0.5	3	12	5	1.5	<10	<1	0.07
K-0164	2	<0.2	1.45	10	<10	400	<0.5	<2	0.09	<0.5	5	20	8	2.19	<10	<1	0.06
	3	<0.2	1.72	10	<10	350	<0.5	<2	0.08	<0.5	6	23	12	2.15	<10	<1	0.07
		<0.2	1.59	8	<10	380	<0.5	<2	0.09	<0.5	6	23	13	2.03	<10	<1	0.07

SAMPLE
No.
TRAVERSE 5(-80)

	La 2151 ppm	Mg 2134 %	Mn 2135 ppm	Mo 2136 ppm	Na 2137 %	Ni 2138 ppm	P 2139 ppm	Pb 2140 ppm	S 551 %	Sb 2141 ppm	Sc 2142 ppm	Sr 2143 ppm	Ti 2144 %	Ti 2145 ppm	U 2146 ppm	V 2147 ppm	W 2148 ppm	Zn 2149 ppm
K-0123	<10	0.45	230 <1	<0.01		21	180	14	0.01 <2		2	10	0.04 <10	<10		57 <10		56
K-0124	<10	0.41	250 <1	<0.01		22	230	22 <0.01	<2		2	8	0.04 <10	<10		53 <10		60
K-0125	<10	0.33	135 <1	<0.01		14	190	20 <0.01	<2		1	9	0.04 <10	<10		53 <10		36
K-0126	10	0.33	195	1 <0.01		13	360	14	0.01 <2		1	8	0.04 <10	<10		69 <10		52
K-0127	<10	0.33	385 <1	<0.01		14	310	14	0.01 <2		1	7	0.04 <10	<10		61 <10		46
K-0128	<10	0.29	345 <1	<0.01		11	340	14 <0.01	<2		1	7	0.04 <10	<10		66 <10		46
K-0129	<10	0.4	180 <1	<0.01		18	230	10 <0.01	<2		2	8	0.04 <10	<10		40 <10		42
K-0130	<10	0.15	125 <1	<0.01		6	260	14 <0.01	<2		1	6	0.01 <10	<10		31 <10		26
K-0131	10	0.27	150 <1	<0.01		7	200	14 <0.01	<2		1	6	0.02 <10	<10		45 <10		32
K-0132																		
K-0133	<10	0.4	245 <1	<0.01		17	220	12 <0.01		2	3	8	0.05 <10	<10		59 <10		54
K-0134	10	0.33	195 <1	<0.01		10	210	14 <0.01		2	1	6	0.03 <10	<10		48 <10		44
K-0135																		
K-0136	10	0.2	90 <1	<0.01		8	150	16 <0.01	<2		1	6	0.01 <10	<10		31 <10		28
K-0137	40	0.4	270 <1	<0.01		14	160	16 <0.01	<2		3	11	0.03 <10	<10		36 <10		40
K-0138	<10	0.24	105 <1	<0.01		8	270	14 <0.01	<2		1	6	0.02 <10	<10		32 <10		26
K-0139	10	0.36	190 <1	<0.01		15	360	14 <0.01	<2		3	10	0.03 <10	<10		36 <10		40
K-0140	10	0.29	145 <1	<0.01		10	270	18 <0.01	<2		1	9	0.03 <10	<10		25 <10		32
K-0141	10	0.22	105 <1	<0.01		8	290	14 <0.01	<2	<1		7	0.02 <10	<10		25 <10		28
K-0142	10	0.24	155 <1	<0.01		8	360	18 <0.01	<2	<1		10	0.01 <10	<10		22 <10		30
K-0143	10	0.31	150 <1	<0.01		11	330	14 <0.01	<2		1	9	0.03 <10	<10		33 <10		34
K-0144																		
K-0145																		
K-0146	10	0.43	170	2	<0.01	19	220	18	<0.01	<2	3	11	0.04	<10	<10	43	<10	48
K-0147	20	0.31	165	<1	<0.01	13	180	28	<0.01	2	1	10	0.04	<10	<10	30	<10	38
K-0148	<10	0.46	360	3	<0.01	18	290	26	0.01	2	3	11	0.06	<10	<10	67	<10	62
K-0149	10	0.46	235	3	<0.01	18	350	16	0.01	<2	5	13	0.06	<10	<10	55	<10	50
K-0150	<10	0.23	280	2	<0.01	10	310	20	0.01	<2	1	18	0.07	<10	<10	73	<10	36
K-0151	10	0.41	175	1	<0.01	17	240	14	0.01	2	4	12	0.05	<10	<10	49	<10	40
K-0152	<10	0.41	200	2	<0.01	16	300	12	0.01	<2	3	9	0.05	<10	<10	54	<10	44
K-0153																		
K-0154	30	0.18	120	<1	<0.01	6	110	18	<0.01	<2	1	5	0.01	<10	<10	14	<10	32
K-0155	10	0.27	185	1	<0.01	9	270	16	0.01	<2	1	12	0.03	<10	<10	32	<10	32
K-0156	10	0.28	135	1	<0.01	10	210	18	<0.01	<2	2	11	0.05	<10	<10	51	<10	30
K-0157	10	0.1	45	<1	<0.01	3	200	14	<0.01	<2	<1	5	<0.01	<10	<10	17	<10	12
K-0158	10	0.26	220	1	<0.01	8	290	42	<0.01	<2	1	9	0.01	<10	<10	17	<10	52
K-0159	10	0.31	110	1	<0.01	14	210	26	0.01	<2	2	13	0.03	<10	<10	29	<10	46
K-0160	10	0.31	120	1	<0.01	11	230	32	<0.01	<2	2	10	0.03	<10	<10	24	<10	44
K-0161	10	0.34	135	1	<0.01	12	290	20	<0.01	<2	1	11	0.03	<10	<10	32	<10	46
K-0162	20	0.35	130	1	<0.01	12	210	20	<0.01	<2	2	9	0.03	<10	<10	29	<10	38
K-0163	10	0.2	75	1	<0.01	6	190	20	<0.01	<2	1	9	0.01	<10	<10	28	<10	20
K-0164	10	0.33	135	1	<0.01	11	200	22	<0.01	<2	1	11	0.02	<10	<10	40	<10	38
	10	0.36	160	1	<0.01	14	270	26	0.01	<2	2	9	0.03	<10	<10	41	<10	44
	10	0.38	160	1	<0.01	14	220	24	<0.01	<2	2	10	0.04	<10	<10	40	<10	44

SAMPLE No.	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL	ROCKS	COMMENTS
		EAST	NORTH	ELEV					COMPOSITION		
TRAVERSE 5A (-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 06-Jul-00			By: PL, SJ						
		Sample Interval (m): 50									
K0240	1	587596	7092187.3	1052	R		ORG	yb	si / cl		
K0241	2	587564.5	7092221.7		R		ORG	yb	si / cl / gr	qte p	
K0242	3	587529.2	7092261.4		R		ORG	db / yb	si / cl	qte p	
K0243	4	587497.1	7092297.5	1048	R		ORG	db / yb	si / cl	q f p	
K0244	5	587464.6	7092339.7		R			b	si / cl	0x qte m	
K0245	6	587439.3	7092382		R			yb	si / cl	ox qte m	
K0246	7	587420.3	7092430.5		R			yb	si / cl / gr	ox qte m	
K0247	8	587401.1	7092477.9	1052	R			yb	si / cl / gr	qte m p ox	
K0248	9	587379.8	7092524.5		R		W	yb	si / cl	qte m p ox	
K0249	10	587358.2	7092573.5	1054	R			b / yb	si / cl / gr		

SAMPLE No.		Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
TRAVERSE 5A (-80)	Scheme Code	3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132
	Analysis Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
	Detection Limit	1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01
	K0240	4	0.6	2.24	60	<10	340	0.5	<2	0.06	<0.5	5	31	16	2.97	<10	<1	0.04
	K0241	4	<0.2	1.86	372	<10	280	<0.5	<2	0.11	<0.5	6	21	13	2.73	<10	<1	0.04
	K0242	3	0.2	1.29	422	10	210	<0.5	<2	0.03	<0.5	4	9	10	2.06	<10	<1	0.08
	K0243	2	<0.2	1.68	36	<10	180	<0.5	<2	0.05	<0.5	5	23	10	3.19	<10	<1	0.03
	K0244	3	<0.2	2.03	52	<10	220	<0.5	<2	0.04	<0.5	7	25	16	2.9	<10	<1	0.04
	K0245	4	<0.2	1.59	122	<10	370	<0.5	<2	0.06	<0.5	5	18	14	2.3	<10	<1	0.05
K0246	3	<0.2	2.1	76	<10	380	0.5	<2	0.07	<0.5	7	25	15	2.98	<10	<1	0.04	
K0247	4	<0.2	1.67	152	<10	250	<0.5	<2	0.06	<0.5	6	21	12	2.97	<10	<1	0.06	
K0248	<1	<0.2	1.77	22	<10	240	<0.5	<2	0.06	<0.5	6	19	12	2.35	<10	<1	0.06	
K0249	1	<0.2	1.53	40	<10	330	<0.5	<2	0.09	<0.5	8	24	14	2.36	<10	<1	0.04	

SAMPLE No.

TRAVERSE 5A (-80)

	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	2151	2134	2135	2136	2137	2138	2139	2140	551	2141	2142	2143	2144	2145	2146	2147	2148	2149
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K0240	<10	0.33	115	<1	<0.01	13	180	12	<0.01	2	3	8	0.04	<10	<10	63	<10	44
K0241	<10	0.5	160	<1	<0.01	16	230	10	0.01	2	1	13	0.02	<10	<10	41	<10	50
K0242	10	0.52	130	<1	<0.01	13	170	14	0.01	<2	1	8	0.02	<10	<10	18	<10	42
K0243	<10	0.24	235	<1	<0.01	8	410	14	<0.01	<2	1	7	0.05	<10	<10	78	<10	36
K0244	<10	0.45	195	<1	<0.01	18	190	12	<0.01	<2	1	7	0.04	<10	<10	50	<10	46
K0245	30	0.57	175	<1	<0.01	12	130	18	<0.01	<2	2	9	0.01	<10	<10	33	<10	46
K0246	10	0.54	200	<1	<0.01	17	170	18	<0.01	<2	3	10	0.03	<10	<10	50	<10	46
K0247	10	0.45	190	<1	<0.01	13	260	18	<0.01	<2	1	9	0.03	<10	<10	45	<10	42
K0248	20	0.58	145	<1	<0.01	13	150	12	<0.01	<2	3	10	0.03	<10	<10	37	<10	44
K0249	10	0.36	230	<1	<0.01	16	160	14	<0.01	<2	3	11	0.04	<10	<10	48	<10	36

SAMPLE No.	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 8 (-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 05-Jul-00			By: PL SJ						
		Sample Interval (m): 50									
K0216	111	588549	7092156.7		S++		W	gb	si / cl	qm s	thick moss
K0217	112	588582	7092109.2		S++		W	gb	si / s / cl / gr	qv qte m fol	
K0218	113	588617	7092079.1		S++		W	gb	si / s / cl	qv qte m fol	
K0219	114	588653	7092044.3		S++			yb	si / cl	qte m p	
K0220	115	588685	7092009.9	854	S++		org	gb	si / cl	qte m	
K0221	116	588729	7091977		R		sk	yb	si / cl / gr	qte m	poorly developed
K0222	117	588756	7091942.5		R		org	b	gr / si / cl		
K0223	118	588784	7091908.6		S++		org	yb	si / cl / gr	qte m p	
K0224	119	588813	7091877.7		S++			gb	si / cl / gr	qte m p	poorly developed
K0225	120	588852	7091848.9		S++		org	gb	gr / si / cl	qte m p	poorly developed
K0226	121	588883	7091819.3		S++		org	gb	gr / si / cl	qte m p c	
K0227	122	588916	7091780.2		V		PF / org	gb	si / cl	qte m p	thick moss "A"
K0228	123	588953	7091752	795	S++		W / org	b	si / cl	qte m p	poorly developed
K0229	124	588986	7091717		S++		F / org	b	si / cl		"A"
K0230	125	589025	7091692.4		S++		W	yb	gr / si / cl	qte m p	qte eyes
K0231	126	589062	7091664.2		S++		F (ice) org	db	si / cl		
K0232	127	589091	7091630.9	851	S++		org / W	b	si / cl / gr		
K0233	128	589121	7091602.4		S++		W	yb	gr / gv / si / cl	qte m p c	very poor dev
K0234	129	589158	7091567		S++	NO	SAMPLE			qte m p c	boulder field n/s
K0235	130	589189	7091532.6		S++		org	b	si / cl	qte m p c	definite "A"
K0236	131	589218	7091495.2		S++		org	b	si / cl	qte m p c	HUMUS large sample
K0237	132	589254	7091468.1		S++		F / org	gb	si / cl	qte m p c	50% ice
K0238	133	589284	7091437.8		S++		PF / org	gb	si / cl / gr	qte m c p	
K0239	134	589301	7091401		S++		W	gb	cl / gv / sl	qte m c p	

SAMPLE
No.

TRAVERSE 8 (-80)

Scheme Code
Analysis Unit
Detection Limit

	Au 3993 ppb	Ag 2118 ppm	Al 2119 %	As 2120 ppm	B 557 ppm	Ba 2121 ppm	Be 2122 ppm	Bi 2123 ppm	Ca 2124 %	Cd 2125 ppm	Co 2126 ppm	Cr 2127 ppm	Cu 2128 ppm	Fe 2150 %	Ga 2130 ppm	Hg 2131 ppm	K 2132 %
	1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01
K0216	6	0.2	0.97	20	<10	170	<0.5	<2	0.1	<0.5	3	10	8	1.37	<10	<1	0.06
K0217	18	0.6	1.07	40	<10	280	0.5	<2	0.1	0.5	5	13	14	1.67	<10	<1	0.07
K0218	14	0.4	0.87	44	<10	220	<0.5	<2	0.12	<0.5	4	10	11	1.44	<10	<1	0.08
K0219	23	<0.2	1.22	42	<10	180	<0.5	<2	0.09	<0.5	5	15	13	1.94	<10	<1	0.06
K0220	10	0.2	1.08	30	<10	210	<0.5	<2	0.07	<0.5	3	13	12	1.58	<10	<1	0.05
K0221	9	<0.2	1.15	72	<10	220	<0.5	<2	0.07	<0.5	5	14	12	1.8	<10	<1	0.05
K0222	9	<0.2	1.09	40	<10	170	<0.5	<2	0.08	<0.5	3	13	10	1.8	<10	<1	0.05
K0223	9	0.4	1.11	56	<10	190	<0.5	<2	0.09	<0.5	3	12	6	1.98	<10	<1	0.06
K0224	26	0.6	1.21	44	<10	250	<0.5	<2	0.17	<0.5	4	11	9	1.73	<10	<1	0.06
K0225	19	0.2	0.83	44	<10	180	<0.5	<2	0.07	<0.5	2	8	6	1.31	<10	<1	0.07
K0226	19	0.6	0.82	48	10	240	<0.5	<2	0.16	<0.5	3	8	9	1.26	<10	<1	0.08
K0227	18	0.4	0.87	38	<10	260	<0.5	<2	0.11	<0.5	3	7	8	1.17	<10	<1	0.09
K0228	11	0.2	0.93	30	10	360	<0.5	<2	0.11	<0.5	5	10	11	1.48	<10	<1	0.08
K0229																	
K0230	38	0.2	0.91	24	10	220	<0.5	<2	0.09	<0.5	4	10	7	1.67	<10	<1	0.06
K0231																	
K0232	14	0.4	0.87	38	<10	300	<0.5	<2	0.08	<0.5	3	10	7	1.33	<10	<1	0.06
K0233																	
K0234																	
K0235																	
K0236	5	0.8	1.12	52	<10	560	<0.5	<2	0.05	<0.5	3	8	9	1.77	<10	<1	0.08
K0237	28	0.6	0.85	46	<10	830	<0.5	<2	0.23	<0.5	5	7	11	1.3	<10	<1	0.1
K0238	29	0.8	0.72	38	<10	320	<0.5	<2	0.09	<0.5	2	7	8	0.83	<10	<1	0.07
K0239	19	0.6	0.71	32	<10	250	<0.5	<2	0.08	<0.5	1	6	5	0.92	<10	<1	0.07

SAMPLE No.

TRAVERSE 8 (-80)

	La 2151 ppm	Mg 2134 %	Mn 2135 ppm	Mo 2136 ppm	Na 2137 %	Ni 2138 ppm	P 2139 ppm	Pb 2140 ppm	S 551 %	Sb 2141 ppm	Sc 2142 ppm	Sr 2143 ppm	Ti 2144 %	Tl 2145 ppm	U 2146 ppm	V 2147 ppm	W 2148 ppm	Zn 2149 ppm
	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K0216	10	0.27	125	<1	<0.01	7	400	22	0.01	<2	1	11	0.01	<10	<10	23	<10	38
K0217	10	0.27	185	<1	<0.01	9	430	36	0.01	<2	1	11	0.01	<10	<10	26	<10	44
K0218	20	0.28	135	<1	<0.01	7	370	22	<0.01	<2	1	14	0.01	<10	<10	20	<10	38
K0219	10	0.36	160	<1	<0.01	11	280	28	<0.01	<2	1	10	0.03	<10	<10	30	<10	42
K0220	10	0.22	85	<1	<0.01	8	290	14	0.01	<2	<1	10	0.02	<10	<10	28	<10	28
K0221	10	0.34	165	<1	<0.01	10	230	18	<0.01	<2	1	8	0.02	<10	<10	30	<10	38
K0222	10	0.33	120	<1	<0.01	8	270	16	<0.01	<2	1	8	0.02	<10	<10	30	<10	36
K0223	10	0.28	135	<1	<0.01	6	290	16	<0.01	2	1	9	0.02	<10	<10	31	<10	36
K0224	20	0.47	140	<1	<0.01	8	370	20	<0.01	<2	2	17	0.01	<10	<10	21	<10	46
K0225	10	0.25	95	<1	<0.01	6	340	14	0.01	2	1	9	0.01	<10	<10	18	<10	36
K0226	20	0.31	105	<1	<0.01	6	320	24	<0.01	<2	1	16	0.01	<10	<10	16	<10	42
K0227	10	0.29	65	<1	<0.01	6	350	32	0.01	<2	1	11	0.01	<10	<10	13	<10	40
K0228	20	0.34	230	<1	<0.01	8	480	30	0.01	<2	1	15	0.01	<10	<10	19	<10	44
K0229																		
K0230	10	0.28	135	<1	<0.01	7	450	26	<0.01	<2	1	9	0.01	<10	<10	27	<10	38
K0231																		
K0232	10	0.22	85	<1	<0.01	6	420	28	0.01	<2	1	9	0.01	<10	<10	20	<10	32
K0233																		
K0234																		
K0235																		
K0236	10	0.17	105	<1	<0.01	5	260	24	<0.01	<2	1	8	0.01	<10	<10	28	<10	34
K0237	20	0.27	420	<1	<0.01	6	420	42	0.01	<2	1	27	<0.01	<10	<10	15	<10	48
K0238	10	0.15	60	<1	<0.01	5	370	30	0.02	2	<1	11	<0.01	<10	<10	10	<10	34
K0239	10	0.15	95	<1	<0.01	3	440	26	0.01	<2	<1	10	<0.01	<10	<10	11	<10	34

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
EAST		NORTH	ELEV								
TRAVERSE 18(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: July 22, 25 a			By: pl sj						
		Sample Interval (m): 50									
K-0536	96536	584645	7095211	890	S++	30	org	yb	si cl	qte ser s lim patches	
K-0537	96	584612.1	7095248.9		S++	20	org	yb	si cl	qte ser m	
K-0538	97	584586.3	7095290.7		S++	20	org	yb	cl si	qte ser	
K-0539	98	584559.4	7095335.4		S++	25		yb	cl si	qte ser, bands of hem	
K-0540	99	584531.1	7095370.5	942	S++	25		yb	si cl	qte ser	
K-0541	100	584505.5	7095404.5		S++	25		yb	si cl	qte ser	
K-0542	101	584476.1	7095441.4		S+	15	org	yb	gr si cl	qte ser	
K-0543	102	584442.5	7095478.2		S++	20		rb	si cl	qte ser ox p	
K-0544	103	584413.6	7095507.3	993	S++	20	org	rb	si cl	qte ser ox p	
K-0545	104	584386.3	7095544.8		S++	25	org	rb	si cl	qte ser p lim	
K-0546	105	584359.1	7095580		S++	30	org	b yb	si cl	qte ser	
K-0547	106	584315.9	7095623.7		S++	no	sample	B hor	gr si cl	qte ser p lim	boulder field
K-0548	107	584298.1	7095659.1	1043	S++	20	org	yb	si cl	qte ser p lim	
K-0549	108	584271.7	7095693		R	15		yb	si cl	qte ser p lim	
K-0550	109	584236.9	7095728.6		S+	25	org	ob	si cl	qte ser p crenulated	big boulders
K-0551	110	584178.4	7095810.1		S+	15	sk	yb rb	si cl	qte ser p	
K-0552	145	584178	7095810	1064	R	15		rb	si cl	qte ser p	
*K-0590	146	584126.5	7095857.8		R	20	org	rb	si cl	qte / s	
K-0591	147	584077.6	7095867.8		R	25		yb	si cl	qte / lim laths cross cut	
K-0592	148	584033.1	7095891.7		R	25	sk org	yb	si cl	qte / lim laths cross cut	hem stains // fol
K-0593	149	583985.8	7095912.6	1052	R	25		yb	si cl	qte minor m / s	
K-0594	150	583938	7095940.6		R	25		yb	si cl	qte minor m / s lim p	
K-0595	151	583886.3	7095966.1		R	20	W	rb	si cl	qte minor m / s lim p	hem staining
K-0596	152	583829.4	7095983.1		S	25	sk	yb	si cl	qte minor m / s lim p	hem stain par to fol
K-0597	153	583774.1	7095969.7	1037	S	25	sk	rb	gv si cl	qte / s strong perv	hem stain
K-0598	154	583724.7	7095948		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated
K-0599	155	583727.3	7096000.1		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated
K-0600	156	583817.5	7096033.6		S	25		yb	si cl	qte foliated lim // fol	
K-0601	157	583813.4	7096089.7	1033	S	25		rb	si cl	qte foliated hem //	fol m/s
K-0602	158	583821.4	7096143.2		S	30	sk org	gb ob	si cl	qf por, minor ser p bull qv	
K-0603	159	583815.2	7096189.1		S	20		rb	si cl	qf por, minor ser p bull qv	
K-0604	160	583811.3	7096235.6	1010	S	20		yb	si cl	qte ser / s hem	
K-0605	161	583805.5	7096286.9		S	20		yb	si cl	qte ser / s hem...	lim // fol
K-0606	162	583805.4	7096339.5		S	25	org	yb	si cl	qm s	
K-0607	163	583800.8	7096383.6		S	20	w org	yb	si cl	qm s	
K-0608	164	583789.9	7096436	998	S	40		g rb	si cl	qte ser / s hem specks	
*K-0751	290	583771.3	7096483.3		R	25		yb	si cl	qte ser / s hem specks	
K-0752	291	583764.9	7096537.6		R	25		rb	gr si cl	qm s	
K-0753	292	583765	7096581.2		R	30	sk org	gb ob	gr si cl	qte ser / s lim specks	
K-0754	293	583768.7	7096640.5	976	R	20		rb	si cl	qte qfp ser lim	
K-0755	294	583781.3	7096689.9		R	20		yb	gv si cl	qte ser / s lim blue q eyes	
K-0756	295	583775.8	7096735.2		R	20		yb	gv si cl	qte ser / s	
K-0757	296	583774.6	7096790.2		R	25	org	yb	si cl	qte ser / s	
K-0758	297	583775.6	7096840.5	976	R	20	w org	yb	si cl	qte ser / s lim subhedral	felspars
K-0759	298	583767.5	7096889.3		R	40		g rb	si cl	qte ser / subhedral f	banded blue q eyes
K-0760	299	592287.4	7095470.7		R	25	org	yb	gr si cl	qte ser / s fgb?	
K-0761	300	583738.8	7096991.4		R	25		yb	si cl	ser s intrusive? 3% lath like. qte ser / s lim perp fol	
K-0762	301	583720	7097033.9		S	25		yb	si cl	qte ser / s blue q eyes	
K-0763	302	583685.8	7097076.1	966	S	25		yb	si cl	qte ser / s blue q eyes	
K-0764	303	583655.8	7097115.9		S	25		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes
K-0765	304	583625.4	7097154.6		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes

SAMPLE No TRAVERSE 18(-80)	Scheme Code	3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151
		Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
		ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10
		Analysis Unit																	
		Detection Limit																	
K-0536		<1	<0.2	1.01	6	<10	230	<0.5	<2	0.09	<0.5	4	16	8	1.56	<10	<1	0.06	10
K-0537		<1	<0.2	1.44	8	<10	530	<0.5	<2	0.18	<0.5	7	23	11	2.26	<10	<1	0.08	10
K-0538		6	<0.2	1.63	10	<10	320	<0.5	<2	0.11	<0.5	7	27	15	2.48	<10	<1	0.05	10
K-0539		<1	<0.2	1.27	6	<10	230	<0.5	<2	0.1	<0.5	5	22	13	1.96	<10	<1	0.05	10
K-0540		<1	<0.2	1.71	10	<10	220	<0.5	<2	0.08	<0.5	6	28	13	2.56	<10	<1	0.05	10
K-0541		1	<0.2	1.24	8	<10	160	<0.5	<2	0.11	<0.5	6	22	14	2	<10	<1	0.06	10
K-0542		4	<0.2	0.7	4	<10	130	<0.5	<2	0.09	<0.5	2	11	6	1.03	<10	<1	0.06	10
K-0543		<1	<0.2	1.7	12	<10	220	<0.5	<2	0.13	<0.5	6	27	12	2.77	<10	<1	0.05	10
K-0544		<1	<0.2	2.14	10	<10	280	0.5	2	0.13	<0.5	9	36	17	3.05	<10	<1	0.06	10
K-0545		<1	<0.2	1.21	14	<10	210	<0.5	<2	0.13	<0.5	6	24	12	2.87	<10	<1	0.1	<10
K-0546		<1	<0.2	1.13	10	<10	250	<0.5	<2	0.15	<0.5	5	17	10	2.18	<10	<1	0.08	10
K-0547																			
K-0548		<1	<0.2	2.06	16	<10	220	<0.5	<2	0.08	<0.5	9	34	12	3.56	<10	<1	0.05	<10
K-0549		<1	<0.2	1.07	6	<10	160	<0.5	<2	0.03	<0.5	3	13	6	1.21	<10	<1	0.05	10
K-0550		<1	<0.2	2.42	12	<10	400	0.5	<2	0.09	<0.5	10	38	14	3.2	<10	<1	0.04	10
K-0551		<1	<0.2	2.04	12	<10	300	0.5	<2	0.08	<0.5	8	30	18	2.5	<10	<1	0.05	10
K-0552		<1	<0.2	2.15	10	<10	240	<0.5	<2	0.07	<0.5	8	30	11	3.23	<10	<1	0.04	10
**K-0590		<1	<0.2	2.27	12	<10	210	0.5	<2	0.11	<0.5	11	33	13	3.4	<10	<1	0.06	<10
K-0591		<1	<0.2	2.38	12	<10	260	0.5	<2	0.13	<0.5	12	39	23	3.12	<10	<1	0.05	10
K-0592		<1	<0.2	1.7	8	<10	170	<0.5	<2	0.12	<0.5	6	29	11	2.58	<10	<1	0.05	10
K-0593		<1	<0.2	1.59	8	<10	250	<0.5	<2	0.12	<0.5	7	26	12	2.24	<10	<1	0.04	10
K-0594		<1	<0.2	2.27	14	<10	350	0.5	<2	0.12	<0.5	9	32	13	3.28	<10	<1	0.05	10
K-0595		<1	<0.2	2.42	10	<10	320	<0.5	<2	0.1	<0.5	12	33	14	3.15	<10	<1	0.06	10
K-0596		<1	<0.2	1.65	6	<10	240	<0.5	<2	0.12	<0.5	8	26	15	2.39	<10	<1	0.04	10
K-0597		<1	0.2	0.88	2	<10	110	<0.5	<2	0.01	<0.5	1	8	5	1.19	<10	<1	0.03	<10
K-0598		<1	<0.2	1.21	4	<10	150	<0.5	<2	0.05	<0.5	4	16	7	1.54	<10	<1	0.04	10
K-0599		2	<0.2	1.95	8	<10	230	<0.5	<2	0.09	<0.5	7	32	16	2.54	<10	<1	0.04	20
K-0600		2	<0.2	1.63	6	<10	220	<0.5	<2	0.1	<0.5	7	27	15	2.18	<10	<1	0.04	20
K-0601		1	<0.2	1.67	8	<10	170	<0.5	<2	0.08	<0.5	6	25	12	2.39	<10	<1	0.05	10
K-0602		<1	<0.2	1.32	8	<10	140	<0.5	2	0.08	<0.5	4	20	7	2.52	<10	<1	0.05	10
K-0603		<1	<0.2	1.55	8	<10	160	<0.5	<2	0.09	<0.5	6	23	10	2.08	<10	<1	0.05	20
K-0604		2	<0.2	1.52	8	<10	180	<0.5	<2	0.09	<0.5	5	22	11	2.04	<10	<1	0.05	10
K-0605		3	<0.2	1.35	8	<10	160	<0.5	<2	0.1	<0.5	6	23	12	1.92	<10	<1	0.04	10
K-0606		<1	<0.2	1.19	6	<10	130	<0.5	<2	0.09	<0.5	3	19	8	1.72	<10	<1	0.04	10
K-0607		<1	<0.2	1.11	6	<10	200	<0.5	<2	0.12	<0.5	4	17	11	1.66	<10	<1	0.05	30
K-0608		1	<0.2	1.44	8	<10	170	<0.5	<2	0.06	<0.5	3	19	6	2.13	<10	<1	0.05	10
**K-0751		<1 <0.2		1	6 <10		110 <0.5	<2		0.05 <0.5		3	16	10	1.38 <10	<1		0.04	20
K-0752		<1 <0.2		0.88	4 <10		170 <0.5	<2		0.04 <0.5		2	11	6	0.99 <10		1	0.05	20
K-0753		<1 <0.2		0.69	6 <10		180 <0.5	<2		0.05 <0.5		2	8	6	1.08 <10	<1		0.08	20
K-0754		<1 <0.2		1.06	12 <10		240 <0.5		2	0.07 <0.5		4	14	8	1.51 <10	<1		0.05	20
K-0755		<1 <0.2		0.85	6 <10		130 <0.5	<2		0.07 <0.5		3	12	8	1.4 <10	<1		0.08	30
K-0756		<1 <0.2		0.94	6 <10		180 <0.5	<2		0.05 <0.5		4	7	8	1.46 <10	<1		0.06	40
K-0757		<1 <0.2		1.25	8 <10		170 <0.5	<2		0.07 <0.5		4	18	13	1.72 <10	<1		0.05	10
K-0758		3	0.2	2.29	14 <10		270	0.5	2	0.11 <0.5		6	31	14	3.16 <10	<1		0.04 <10	
K-0759		<1 <0.2		0.96	6 <10		160 <0.5	<2		0.09 <0.5		4	16	10	1.81 <10	<1		0.07	20
K-0760		25 <0.2		1.3	8 <10		180 <0.5	<2		0.1 <0.5		6	21	15	2.17 <10	<1		0.06	10
K-0761		3 <0.2		0.99	8 <10		130 <0.5	<2		0.04 <0.5		3	10	7	1.58 <10	<1		0.09	10
K-0762		<1 <0.2		1.06	10 <10		140 <0.5	<2		0.06 <0.5		3	13	5	1.9 <10	<1		0.05 <10	
K-0763		1 <0.2		1.9	12 <10		240	0.5	2	0.09 <0.5		9	28	12	2.8 <10	<1		0.06	10
K-0764		<1 <0.2		1.87	14 <10		270	0.5 <2		0.12 <0.5		6	26	13	3.09 <10	<1		0.05	10
K-0765		3 <0.2		1.38	10 <10		150 <0.5	<2		0.08 <0.5		5	20	10	2.21 <10	<1		0.05 <10	

SAMPLE No
TRAVERSE 18(-80)

	2134 Mg %	2135 Mn ppm	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K-0536	0.23	100	<1	<0.01	10	160	14	<0.01	<2	2	10	0.04	<10	<10	35	<10	32
K-0537	0.38	265	<1	0.01	15	240	18	<0.01	<2	3	19	0.04	<10	<10	46	<10	48
K-0538	0.4	215	1	0.01	17	170	16	<0.01	<2	3	12	0.05	<10	<10	49	<10	44
K-0539	0.35	135	<1	<0.01	13	140	14	<0.01	<2	2	11	0.04	<10	<10	37	<10	40
K-0540	0.4	200	<1	<0.01	16	180	24	<0.01	<2	3	10	0.05	<10	<10	49	<10	52
K-0541	0.32	205	<1	<0.01	16	310	48	<0.01	<2	2	10	0.04	<10	<10	35	<10	56
K-0542	0.15	60	<1	<0.01	7	130	32	<0.01	<2	1	10	0.03	<10	<10	21	<10	34
K-0543	0.38	140	<1	0.01	16	220	18	<0.01	<2	3	14	0.05	<10	<10	58	<10	44
K-0544	0.5	255	1	0.01	23	210	22	<0.01	<2	4	15	0.06	<10	<10	61	<10	62
K-0545	0.32	200	1	0.01	15	350	22	0.01	<2	2	13	0.06	<10	<10	57	<10	54
K-0546	0.24	205	1	0.01	11	280	36	0.01	<2	1	13	0.04	<10	<10	51	<10	46
K-0547																	
K-0548	0.45	200	2	0.01	20	220	18	0.01	<2	3	10	0.06	<10	<10	60	<10	48
K-0549	0.16	70	<1	<0.01	6	50	34	<0.01	<2	2	4	0.01	<10	<10	20	<10	24
K-0550	0.42	230	1	0.01	19	150	16	<0.01	<2	3	11	0.06	<10	<10	69	<10	46
K-0551	0.42	190	<1	<0.01	23	120	24	<0.01	<2	4	9	0.05	<10	<10	45	<10	50
K-0552	0.32	270	1	<0.01	15	240	22	<0.01	<2	3	9	0.05	<10	<10	72	<10	76
**K-0590	0.46	240	<1	0.01	26	430	24	0.02	<2	3	12	0.04	<10	<10	47	<10	72
K-0591	0.54	345	<1	0.01	25	260	12	<0.01	<2	5	15	0.06	<10	<10	58	<10	60
K-0592	0.39	150	<1	0.01	15	270	12	0.01	<2	1	13	0.04	<10	<10	56	<10	40
K-0593	0.38	155	<1	0.01	16	180	18	<0.01	<2	3	13	0.05	<10	<10	43	<10	40
K-0594	0.47	195	1	0.01	22	230	20	<0.01	<2	3	14	0.06	<10	<10	63	<10	50
K-0595	0.44	435	1	0.01	21	280	16	0.01	<2	3	11	0.05	<10	<10	67	<10	76
K-0596	0.41	190	1	0.01	18	250	14	<0.01	<2	3	13	0.05	<10	<10	48	<10	42
K-0597	0.19	40	<1	<0.01	4	40	24	<0.01	<2	3	3	0.01	<10	<10	12	<10	24
K-0598	0.22	75	<1	<0.01	9	80	42	<0.01	<2	2	6	0.03	<10	<10	27	<10	26
K-0599	0.49	175	1	0.01	18	90	16	<0.01	<2	4	12	0.06	<10	<10	50	<10	46
K-0600	0.41	150	<1	0.01	17	110	18	<0.01	<2	4	11	0.05	<10	<10	42	<10	46
K-0601	0.41	145	<1	0.01	15	200	26	0.01	<2	3	9	0.04	<10	<10	41	<10	42
K-0602	0.29	140	1	<0.01	10	200	24	<0.01	<2	3	9	0.04	<10	<10	45	<10	38
K-0603	0.39	155	1	0.01	13	190	28	<0.01	<2	4	9	0.04	<10	<10	35	<10	44
K-0604	0.36	135	<1	<0.01	13	170	22	<0.01	<2	3	10	0.04	<10	<10	38	<10	40
K-0605	0.37	120	<1	0.01	14	210	20	<0.01	<2	3	10	0.04	<10	<10	34	<10	42
K-0606	0.34	110	<1	0.01	11	280	20	<0.01	<2	1	9	0.04	<10	<10	32	<10	36
K-0607	0.35	135	<1	0.01	11	240	20	<0.01	<2	3	12	0.04	<10	<10	29	<10	36
K-0608	0.28	85	<1	0.01	8	200	22	<0.01	<2	1	8	0.03	<10	<10	40	<10	28
**K-0751	0.24	90 <1		<0.01	9	90	16 <0.01	<2		2	6	0.03 <10	<10		26 <10		20
K-0752	0.17	55	1	<0.01	6	90	16 <0.01	<2		1	7	0.02 <10	<10		19 <10		14
K-0753	0.12	70 <1		<0.01	5	110	14 <0.01	<2		1	8	0.01 <10	<10		14 <10		12
K-0754	0.22	115	1	<0.01	8	100	14 <0.01	<2		2	7	0.02 <10	<10		25 <10		20
K-0755	0.26	95	1	<0.01	7	150	18 <0.01		6	1	8	0.04 <10	<10		19 <10		22
K-0756	0.26	140 <1		<0.01	6	100	26 <0.01	<2		2	5	0.01	10 <10		12 <10		20
K-0757	0.27	90	1	<0.01	11	100	20 <0.01	<2		2	6	0.02 <10	<10		29 <10		32
K-0758	0.39	240	3	<0.01	18	230	16 <0.01		2	2	9	0.04 <10	<10		60 <10		44
K-0759	0.28	145 <1		<0.01	11	180	20 <0.01	<2		1	9	0.04 <10	<10		28 <10		32
K-0760	0.35	180 <1		<0.01	15	100	12 <0.01		4	2	8	0.04 <10	<10		35 <10		40
K-0761	0.18	75 <1		<0.01	6	120	14 <0.01	<2		1	4	0.02 <10	<10		22 <10		18
K-0762	0.15	90 <1		<0.01	6	160	12 <0.01	<2		1	5	0.03 <10	<10		41 <10		18
K-0763	0.39	315	1	<0.01	17	180	24 <0.01	<2		3	8	0.04 <10	<10		42 <10		44
K-0764	0.37	180	1	<0.01	15	210	20 <0.01		4	2	11	0.04 <10	<10		50 <10		44
K-0765	0.27	165	1	<0.01	11	180	16 <0.01	<2		1	7	0.03 <10	<10		38 <10		30

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 18(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: july 22, 25 a			By: pl. sj						
K-0766	305	583597.4	7097199.3		S+	30	sk	yb	si cl	qte ser /s blue q eyes	weakly lim
K-0767	306	583568	7097240	925	S++	30	sk	yb	si cl	qte ser /s blue q eyes	weakly lim
K-0768	307	583533.3	7097277.7		S++	3530	sk org	yb	si cl	qte ser /s blue q eyes	weakly lim qv BA ?
K-0769	308	583503.8	7097314		S++	35	org dry	yb	si cl	qte ser /s blue q eyes	weakly lim
K-0770	309	583474.3	7097355.1		S++	30		yb	si cl	qte ser /s lim	boulder field
K-0771	310	583442.2	7097396.7	894	S++	45	sk	yb	si cl	qte /ser /s	boulder field
K-0772	311	583413	7097435		S++	35		yb	subhedral felspars	rhyolitic crystal tuff	
									si cl	qte /ser /s	
K-0773	312	583383.4	7097475.8		S++	25		yb	subhedral felspars	rhyolitic crystal tuff	heavy moss
K-0774	313	583359.5	7097522.4		S++	20		gb yb	si cl	qte m ser / s blue q eyes	
K-0775	314	583337	7097559.5	874	S++	20		yb	si cl	qte m ser / s blue q eyes	
K-0776	315	583303.6	7097600.5		S++	20		yb	si cl	qte m ser / s blue q eyes	
K-0777	316	583267.9	7097631.2		S++	25		yb	si cl	qte m ser / s blue q eyes	
K-0778	317	583229.8	7097660.7		S++	15	org	yb	si cl	qte m ser / s blue q eyes	
K-0779	318	583188	7097692.5	839	S++	40		yb	si cl	no rock	
K-0780	319	583144.2	7097711.6		S++	35		yb	gr si cl	qte ser /s m qv	
K-0781	781	582565.1	7098047.9		S+	30		ob	si cl	qte ser / s weakly	
K-0782	782	582610.6	7098022.2		S+	20		yb	si cl	qte ser / s weakly	
K-0783	783	582655	7098002.4		S	40	org	yb	si cl	qte ser /s lim	
K-0784	784	582695.8	7097977.2		S	25	sk org	yb	cl si	qte ser /s 3% lim specks	
K-0785	785	582735	7097945	328	S	25		yb	si cl	qte ser /s	
K-0786	786	582775.9	7097916.5		S	35	org	yb	si cl	no rock	
K-0787	787	582825.4	7097902.9		S	25	sk org	yb	si cl	qte ser /s	
K-0788	788	582865.7	7097878.3		S+	25	sk org	yb	cl si	qte ser /s ox p	
K-0789	789	582909.7	7097852.5	819	S+	25	sk org	yb	cl si	qte ser / s qv	subhedral felspars
K-0790	790	582962	7097828.8		S+	25	org	yb	si cl	qte ser/s	
K-0791	791	583003.7	7097811.4		S++	30	org	yb	gr si cl	qte ser /s	
K-0792	792	583054.1	7097782.8		S++	35		yb	si cl	lim	
K-0793	793	583106.2	7097748.9	830	S++	25	sk org	yb	cl si	qv q ser/s ox	gossanous qte /s
K-1050	50	582523	7098072	796	S	25		yb	gv si cl	qte ser / s	
K-1051	51	582485	7098100		S	25		yb	si cl	qte ser /s lim laths b?	perp fol
K-1052	52	582435	7098125		S	45	org	b yb	gv si cl	qte /s srtong lim	poor samp
K-1053	53	582400	7098145		S+	25		yb	si cl	qte ser /s lim q eyes	Rocky...
K-1054	54	582356	7098172	765	S+	30		r yb	si cl	q ser s ox	
K-1055	55	582315	7098190		S++	20	org	yb	si cl	qte ser /s	
K-1056	56	582270	7098215		S++	30	org	yb	si cl	qte ser /s	
K-1057	57	582210	7098240		S++	40	wet	yb	si cl	qte ser /s 5% ox blebls	p? b q eyes
K-1058	58	582165	7098265		S++	25	dry	yb	si cl	qte ser /s	
eoIK-1059	59	582128	7098283	722	S++	20	org	b yb	si cl	qte ser /s lim	

SAMPLE No	Scheme Code	3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151
TRAVERSE 18(-80)	Analysis Unit	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
K-0766		3 <0.2		1.36	12 <10		160 <0.5	<2		0.1 <0.5		6	20	8	2.69 <10		1	0.07 <10	
K-0767		<1 <0.2		1.01	8 <10		150 <0.5	<2		0.08 <0.5		3	14	9	1.85 <10	<1		0.05	10
K-0768		2 <0.2		1.03	6 <10		160 <0.5	<2		0.1 <0.5		5	17	11	1.85 <10	<1		0.05	10
K-0769		1 <0.2		1.13	10 <10		230 <0.5	<2		0.14 <0.5		6	21	15	1.89 <10	<1		0.04	10
K-0770		1 <0.2		1.07	6 <10		380 <0.5	<2		0.17 <0.5		5	19	16	1.76 <10	<1		0.04	10
K-0771		2 <0.2		0.78	2 <10		180 <0.5	<2		0.13 <0.5		3	13	9	1.41 <10	<1		0.07	20
K-0772		<1 <0.2		0.87	6 <10		170 <0.5	<2		0.12 <0.5		4	14	10	1.46 <10	<1		0.06	10
K-0773		5 <0.2		0.96	6 <10		290 <0.5	<2		0.25 <0.5		4	19	17	1.74 <10	<1		0.06	10
K-0774		3 <0.2		1.13	10 <10		320 <0.5	<2		0.28 <0.5		6	23	19	2.09 <10		1	0.03	10
K-0775		<1 <0.2		1.24	8 <10		240 <0.5	<2		0.2 <0.5		5	23	16	1.98 <10	<1		0.03	10
K-0776		7 <0.2		1.04	8 <10		230 <0.5	<2		0.22 <0.5		5	21	14	1.88 <10		1	0.03	10
K-0777		3 <0.2		1.51	6 <10		290 <0.5	<2		0.23 <0.5		6	25	14	2.26 <10	<1		0.03	10
K-0778		7 <0.2		1.46	8 <10		200 <0.5		2	0.19 <0.5		5	23	16	2.1 <10	<1		0.03	10
K-0779		<1 <0.2		1.14	8 <10		190 <0.5	<2		0.17 <0.5		4	17	10	1.65 <10	<1		0.03	10
K-0780		<1 <0.2		1.2	8 <10		140 <0.5	<2		0.09 <0.5		3	14	7	1.72 <10	<1		0.04 <10	
K-0781		1 <0.2		1.56	40 <10		220	0.5 <2		0.13 <0.5		5	21	13	3.08 <10	<1		0.04 <10	
K-0782		<1 <0.2		1.84	24 <10		230	0.5 <2		0.1 <0.5		6	26	13	3.26 <10	<1		0.05 <10	
K-0783		<1 <0.2		1.6	18 <10		190 <0.5	<2		0.12 <0.5		7	25	15	2.51 <10	<1		0.05 <10	
K-0784		1 <0.2		0.94	46 <10		160 <0.5		4	0.1 <0.5		7	15	9	2.01 <10	<1		0.07 <10	
K-0785		2 <0.2		1.54	18 <10		200 <0.5	<2		0.11 <0.5		5	23	8	2.64 <10	<1		0.04 <10	
K-0786		<1 <0.2		1.91	22 <10		230	0.5 <2		0.1 <0.5		10	31	17	3.31 <10		1	0.05 <10	
K-0787		6 <0.2		1.25	28 <10		250 <0.5	<2		0.13 <0.5		4	17	8	2.23 <10	<1		0.05	10
K-0788		<1 <0.2		0.85	10 <10		290 <0.5	<2		0.1 <0.5		3	10	6	1.43 <10	<1		0.08	10
K-0789		<1 <0.2		0.81	14 <10		240 <0.5		2	0.11 <0.5		4	12	10	1.62 <10	<1		0.1	10
K-0790		<1 <0.2		1.34	14 <10		280	0.5 <2		0.12 <0.5		4	16	10	2 <10	<1		0.04	10
K-0791		<1 <0.2		1.09	20 <10		240 <0.5	<2		0.11 <0.5		4	14	10	2.29 <10	<1		0.06 <10	
K-0792		<1 <0.2		1.32	12 <10		230 <0.5		4	0.22 <0.5		5	20	16	2.3 <10	<1		0.04	10
K-0793		<1 <0.2		1.78	12 <10		380	0.5	2	0.37 <0.5		9	17	11	3.41 <10	<1		0.05	10
K-1050																			
K-1051																			
K-1052																			
K-1053																			
K-1054																			
K-1055																			
K-1056																			
K-1057																			
K-1058																			
eoIK-1059																			

SAMPLE
No
TRAVERSE 18(-80)

	2134	2135	2136	2137	2138	2139	2140	551	2141	2142	2143	2144	2145	2146	2147	2148	2149
	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
K-0766	0.27	230	1	<0.01	11	340	22	<0.01	2	1	8	0.03	<10	<10	37	<10	36
K-0767	0.22	135	1	<0.01	9	260	18	<0.01	<2	<1	8	0.03	<10	<10	31	<10	32
K-0768	0.26	190	1	<0.01	10	240	14	<0.01	<2	1	9	0.04	<10	<10	32	<10	34
K-0769	0.34	170	1	<0.01	13	400	12	<0.01	2	3	12	0.04	<10	<10	32	<10	40
K-0770	0.33	150	<1	<0.01	14	370	12	<0.01	<2	3	15	0.03	<10	<10	30	<10	36
K-0771	0.21	180	<1	<0.01	8	320	16	0.01	<2	1	12	0.03	<10	<10	22	<10	30
K-0772	0.23	150	<1	<0.01	8	330	18	<0.01	<2	1	11	0.04	<10	<10	25	<10	28
K-0773	0.32	145	1	<0.01	14	470	16	<0.01	<2	3	20	0.06	<10	<10	33	<10	46
K-0774	0.37	180	1	<0.01	16	530	12	<0.01	4	3	21	0.05	<10	<10	35	<10	54
K-0775	0.36	135	1	<0.01	14	510	10	<0.01	<2	3	15	0.04	<10	<10	35	<10	50
K-0776	0.35	160	1	<0.01	14	530	8	<0.01	<2	3	16	0.05	<10	<10	34	<10	44
K-0777	0.41	150	1	<0.01	17	540	10	<0.01	4	3	16	0.04	<10	<10	42	<10	50
K-0778	0.39	115	1	<0.01	14	350	8	<0.01	<2	3	15	0.05	<10	<10	38	<10	40
K-0779	0.34	125	<1	<0.01	9	320	12	<0.01	2	3	13	0.04	<10	<10	30	<10	34
K-0780	0.28	95	<1	<0.01	7	220	8	<0.01	<2	1	8	0.03	<10	<10	33	<10	26
K-0781	0.24	245	1	<0.01	13	290	10	<0.01	4	4	9	0.01	<10	<10	42	<10	32
K-0782	0.28	165	2	<0.01	13	250	14	<0.01	<2	4	8	0.02	<10	<10	46	<10	38
K-0783	0.35	205	<1	<0.01	17	220	14	<0.01	6	2	11	0.03	<10	<10	42	<10	42
K-0784	0.2	335	1	<0.01	13	370	42	0.01	<2	<1	11	0.03	<10	<10	30	<10	44
K-0785	0.29	155	1	<0.01	11	210	18	0.01	<2	1	9	0.04	<10	<10	48	<10	34
K-0786	0.41	230	2	<0.01	21	210	16	0.01	<2	3	9	0.05	<10	<10	50	<10	44
K-0787	0.35	255	1	<0.01	10	250	12	0.01	<2	2	9	0.03	<10	<10	32	<10	34
K-0788	0.15	110	1	<0.01	6	220	14	<0.01	<2	1	8	0.02	<10	<10	22	<10	18
K-0789	0.16	150	<1	<0.01	7	250	16	0.01	2	3	10	0.03	<10	<10	24	<10	26
K-0790	0.22	110	1	<0.01	10	100	10	<0.01	2	3	11	0.03	<10	<10	37	<10	26
K-0791	0.19	130	1	<0.01	9	230	12	<0.01	<2	3	8	0.02	<10	<10	34	<10	36
K-0792	0.47	170	<1	<0.01	11	580	10	<0.01	<2	4	12	0.03	<10	<10	33	<10	50
K-0793	0.49	280	1	0.01	11	740	6	<0.01	<2	6	27	0.08	<10	<10	68	<10	54
K-1050																	
K-1051																	
K-1052																	
K-1053																	
K-1054																	
K-1055																	
K-1056																	
K-1057																	
K-1058																	
eolK-1059																	

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 19(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 07-Aug-00			By: [signature]						
		Sample Interval (m): 50									
K- 0794	794	583573.3	7097295	931	S++	25	sk org	yb	gr si cl	qte ser /s lim patches	blue q eyes
K- 0795	795	583570.8	7097340		S++	15	org	yb	cl si	qte ser /s ox	
K- 0796	796	583579.4	7097392		S++	15	org	yb	cl si	qte ser/s lim	
K- 0797	797	583576.5	7097440		S++	15	org	yb	si cl	qte ser/s weakly foliated	blue q eyes moist
K- 0798	798	583583.8	7097490	889	S++	40	org	yb	si cl	qte ser/s weakly foliated	blue q eyesmoist
K- 0799	799	583588.8	7097539		S++	40	org	yb	si cl	qte ser/s lim	blue q eyesmoist
K- 0800	800	583592.7	7097590		S++	20	org	yb	si cl	qte ser /s lim	blue q eyesmoist
K- 0801	801	583590.4	7097639		S++	25	org	b yb	si cl	qte ser/s lim	
K- 0802	802	583593.1	7097693	847	S++	40	org	b yb	gv si cl	qte ser /s lim	thick moss
K- 0803	803	583595.3	7097738		S++	30	F org	g rb	si cl	q ser /s lim patches	
K- 0804	804	583599.1	7097793		S++	30		b	si cl	q ser /s ox	tiny chips
K- 0805	805	583601.5	7097841		S++	25	org	b yb	si cl	qte ser /s lim	
K- 0806	806	583599.2	7097888	796	S++	40	org	b yb	si cl	no rocks	
K- 0807	807	583591.5	7097938		S++	40	W org	b yb	si cl	no rocks	
K- 0808	808	583599	7097991		S++	3030	W	yb	si cl	q ser / s lim	
K- 0809	809	583581.7	7098041		S++	35	F org	b yb	si cl	no rocks	
K- 0810	810	583581.2	7098089	745	S++	50	org	b	si cl	no rocks	
K- 0811	811	583576.5	7098137		S++	35	org	yb	si cl	carb q s	
K- 0812	812	583579.8	7098187		S++	35	org	b yb	gr si cl	carb q s m folded lim	bands // fol
K- 0813	813	583580.9	7098247	694	S++	25	org	yb	si cl	q ser s weakly carb	

SAMPLE
No
TRAVERSE 19(-80)

Scheme Code
Analysis Unit
Detection Limit

	3993 Au ppb 1	2118 Ag ppm 0.2	2119 Al % 0.01	2120 As ppm 2	557 B ppm 10	2121 Ba ppm 10	2122 Be ppm 0.5	2123 Bi ppm 2	2124 Ca % 0.01	2125 Cd ppm 0.5	2126 Co ppm 1	2127 Cr ppm 1	2128 Cu ppm 1	2150 Fe % 0.01	2130 Ga ppm 10	2131 Hg ppm 1	2132 K % 0.01	2151 La ppm 10
K- 0794	1	<0.2	1.06	6	<10	210	<0.5	<2	0.15	<0.5	5	19	15	1.85	<10	<1	0.05	10
K- 0795	2	<0.2	1.28	6	<10	140	<0.5	<2	0.1	<0.5	4	21	14	1.94	<10	<1	0.04	10
K- 0796	10	<0.2	1.12	6	<10	210	<0.5	<2	0.15	<0.5	4	18	14	1.73	<10	<1	0.06	10
K- 0797	4	<0.2	1.3	4	<10	190	<0.5	2	0.16	<0.5	4	20	14	1.79	<10	<1	0.04	10
K- 0798	10	<0.2	1.36	6	<10	180	<0.5	<2	0.13	<0.5	4	19	13	1.74	<10	<1	0.05	10
K- 0799	<1	<0.2	1.03	6	<10	160	<0.5	<2	0.14	<0.5	3	16	10	1.37	<10	1	0.05	10
K- 0800	5	<0.2	1.12	6	<10	180	<0.5	<2	0.13	<0.5	3	17	11	1.45	<10	<1	0.04	10
K- 0801	7	<0.2	0.79	6	<10	170	<0.5	<2	0.14	<0.5	3	13	10	1.27	<10	<1	0.06	10
K- 0802	6	<0.2	1.12	8	<10	350	<0.5	<2	0.32	<0.5	5	18	12	1.79	<10	<1	0.04	10
K- 0803	6	<0.2	1.21	8	<10	450	0.5	4	0.31	<0.5	20	19	14	2.31	<10	<1	0.04	10
K- 0804																		
K- 0805	4	<0.2	1.21	8	<10	280	<0.5	<2	0.23	<0.5	3	17	8	1.8	<10	<1	0.04	10
K- 0806	3	<0.2	0.99	6	<10	270	<0.5	<2	0.22	<0.5	2	14	6	1.46	<10	<1	0.03	<10
K- 0807	<1	<0.2	1.08	6	<10	270	<0.5	<2	0.19	<0.5	3	15	10	1.23	<10	<1	0.03	<10
K- 0808	6	<0.2	1.22	10	<10	240	<0.5	<2	0.16	<0.5	3	17	10	1.86	<10	<1	0.03	10
K- 0809																		
K- 0810	5	<0.2	1.24	12	<10	240	<0.5	<2	0.18	<0.5	6	20	15	2.21	<10	<1	0.03	10
K- 0811																		
K- 0812	4	0.6	1.13	10	<10	170	<0.5	<2	0.14	0.5	4	19	24	1.76	<10	<1	0.03	10
K- 0813	7	0.4	1.34	12	<10	260	<0.5	<2	0.18	<0.5	8	23	30	2.33	<10	<1	0.03	10

SAMPLE No

TRAVERSE 19(-80)

	2134 Mg %	2135 Mn ppm	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Tl ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K- 0794	0.31	170	1	<0.01	13	350	12	0.01	<2	3	14	0.04	<10	<10	32	<10	38
K- 0795	0.35	135	1	<0.01	13	230	12	<0.01	6	3	9	0.04	<10	<10	35	<10	38
K- 0796	0.29	120	<1	<0.01	11	350	12	<0.01	<2	3	14	0.04	<10	<10	30	<10	36
K- 0797	0.33	115	<1	<0.01	12	390	10	<0.01	4	3	14	0.04	<10	<10	33	<10	34
K- 0798	0.29	100	1	<0.01	11	410	10	<0.01	<2	2	12	0.04	<10	<10	31	<10	34
K- 0799	0.25	105	<1	<0.01	9	360	8	<0.01	<2	1	13	0.04	<10	<10	27	<10	28
K- 0800	0.25	105	<1	<0.01	9	320	12	<0.01	<2	2	12	0.04	<10	<10	28	<10	30
K- 0801	0.2	85	1	<0.01	8	370	10	<0.01	2	1	13	0.03	<10	<10	23	<10	28
K- 0802	0.3	170	<1	<0.01	11	430	12	0.01	<2	3	32	0.04	<10	<10	31	<10	38
K- 0803	0.32	1205	1	<0.01	14	460	12	0.01	2	4	31	0.03	<10	<10	38	<10	46
K- 0804																	
K- 0805	0.27	70	<1	<0.01	9	460	12	0.01	6	2	20	0.03	<10	<10	32	<10	36
K- 0806	0.21	60	<1	<0.01	8	480	8	0.02	<2	1	22	0.02	<10	<10	24	<10	26
K- 0807	0.23	55	<1	<0.01	9	410	12	0.03	2	1	18	0.02	<10	<10	28	<10	30
K- 0808	0.25	75	1	<0.01	9	480	10	0.01	<2	2	13	0.02	<10	<10	32	<10	36
K- 0809																	
K- 0810	0.42	145	1	<0.01	15	530	12	0.01	2	2	17	0.02	<10	<10	32	<10	68
K- 0811																	
K- 0812	0.4	110	3	<0.01	15	590	10	0.02	<2	1	15	0.01	<10	<10	29	<10	64
K- 0813	0.52	245	3	<0.01	21	620	10	0.01	2	3	17	0.02	<10	<10	35	<10	106

SAMPLE No	GPS W'PT	EAST	UTM COORDS NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 23(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 02-Aug-00				By: PL SJ					
		Sample Interval (m): 50									
K-0675	223675	592747	7093197	958	R	15		yb	si cl	qms ox	B
K-0676	223	592767.4	7093246.3		R	20		yb	si cl	qte m / s	AB
K-0677	224	592790.8	7093288.8		R	25		yb	si cl	qte m / s lim (p)	AB
K-0678	225	592813	7093339.1		S+	30	org	rb	si cl	qte bandid p	B
K-0679	226	592836	7093380.5	920	S+	25		rb	si cl	qte m / s q	phenocrysts
K-0680	227	592857.8	7093423.6		S++	30	org	rb	gr si cl	qte ox qfp ?	A B
K-0681	228	592875.3	7093472		S++	35		yb	si cl	qfp weakly fol p (lim)	B
K-0682	229	592888.3	7093512.4		S++	35		yb	si cl	qfp lim p	B
K-0683	230	592910.6	7093556.7	876	S++	30		yb	si cl	qms qv	q has 2 fabrics
K-0684	231	592927.8	7093606.3		S++	15		yb	si cl gr	qms qv	B
K-0685	232	592946.2	7093652.3		S++	30		yb	si cl	bandid qte rhyolitic	crystal tuff p
K-0686	233	592958.5	7093697.5		S++	30		yb min b	si cl	bandid qte qms	A minor B
K-0687	234	592975	7093745.8	842	S++	30	sk	rb	cl si gr	qte / s p ox mc	B
K-0688	235	592996.8	7093787.8		S++	40	W org	gb	si cl gv	ns qte qfp perv Gr	many spring runoff
K-0689	236	593013.5	7093829.5		S++	30	W	yb	si cl	qte / s p	moss thick
K-0690	237	593029.4	7093877.9		S++	65	minor org	yb	si cl	qte / qms folded	poor sam
K-0691	238	593048.3	7093923.9	809	S++	no	sample	too	frozen	qte / ser s	poor sam
K-0692	239	593068.1	7093964.5		S++	40		b	si cl	lim qfp non fol	A
K-0693	240	593084.8	7094012.9		S++	40		b	si cl	no rocks	A
K-0694	241	593104.5	7094057.1		S++	40	sk	b	si cl	ndid rhyolitic qte q	A
K-0695	242	593118.1	7094093.4	763	S++	30		yb	si cl	qms lim	B
K-0696	243	593131	7094147		S++	50		yb	gr si cl	fol qte lim(p)	B
K-0697	244	593151.3	7094190.1		S++	30		yb	si cl	qte / qms p	B
K-0698	245	593168.6	7094235.5		S++	50	org	yb	si cl	qms / qte p	B
K-0699	246	593176.7	7094262.6	729	S++	40		b	si cl	qms	A
K-0700	247	593206.3	7094326.3		S++	40	W org	yb	si cl	no rocks	B
K-0701	248	593226.3	7094370.6		S++	35	org	yb	si cl	qms / qte	B
K-0702	249	593245.1	7094410.6		S++	40		yb	si cl	qms	AB
K-0703	250	593266.9	7094455.5	680	S++	40	org	yb	si cl gr	qms	B
K-0704	251	593293.1	7094501.2		S++	55	org	gb	si cl	carb qte	AB
K-0705	252	593308	7094547.7		S++	45	sk W	yb	si cl gr	carb qte / qms	B
K-0706	253	593322.1	7094587	642	S++ 30	30	sk	gb	gv si cl gr	carb qte / qms	B

SAMPLE No TRAVERSE 23(-80)	Scheme Code	3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132
		Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
		ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
		1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01
	Analysis Unit																	
	Detection Limit																	
K-0675		<1	<0.2	1.5	28	<10	250	<0.5	<2	0.06	<0.5	4	16	8	2.26	<10	<1	0.05
K-0676		4	<0.2	0.77	62	<10	140	<0.5	<2	0.03	<0.5	2	7	6	1.3	<10	<1	0.05
K-0677		<1	<0.2	0.72	64	<10	170	<0.5	<2	0.04	<0.5	1	6	4	1.06	<10	<1	0.05
K-0678		2	<0.2	1.09	84	<10	280	<0.5	<2	0.06	<0.5	4	10	7	2.49	<10	<1	0.05
K-0679		10	<0.2	1.45	36	<10	290	<0.5	<2	0.09	<0.5	7	21	10	3.05	<10	<1	0.04
K-0680		<1	<0.2	0.7	184	<10	110	<0.5	<2	0.01	<0.5	3	5	6	1.76	<10	<1	0.07
K-0681		5	<0.2	1.23	118	<10	160	<0.5	<2	0.08	<0.5	5	16	12	1.99	<10	<1	0.04
K-0682		3	<0.2	0.97	104	<10	180	<0.5	<2	0.05	<0.5	3	8	7	1.5	<10	<1	0.05
K-0683		2	<0.2	0.87	126	<10	190	<0.5	<2	0.11	<0.5	4	9	9	1.54	<10	<1	0.07
K-0684		<1	<0.2	0.9	122	<10	180	<0.5	<2	0.04	<0.5	3	7	7	1.51	<10	<1	0.08
K-0685		1	<0.2	1.03	124	<10	140	<0.5	<2	0.04	<0.5	3	12	9	1.89	<10	<1	0.05
K-0686		11	<0.2	1.21	226	<10	180	0.5	<2	0.07	<0.5	5	18	14	1.88	<10	<1	0.05
K-0687		2	<0.2	0.73	510	<10	160	<0.5	<2	0.06	<0.5	3	9	9	1.62	<10	<1	0.09
K-0688		11	<0.2	0.89	282	<10	380	0.5	<2	0.32	<0.5	4	10	11	1.11	<10	<1	0.08
K-0689		2	<0.2	0.79	296	<10	280	0.5	<2	0.3	<0.5	4	9	8	1.42	<10	<1	0.07
K-0690		2	0.2	1.01	172	<10	350	<0.5	<2	0.34	<0.5	5	12	9	1.49	<10	<1	0.06
K-0691																		
K-0692		6	0.2	1.19	116	<10	360	0.5	<2	0.23	<0.5	5	16	20	1.77	<10	<1	0.04
K-0693		4	0.2	1.29	46	<10	390	0.5	<2	0.18	<0.5	5	18	24	1.67	<10	<1	0.04
K-0694		3	0.2	1.01	50	<10	140	<0.5	<2	0.13	<0.5	4	15	17	1.53	<10	<1	0.04
K-0695		6	0.2	1.21	42	<10	290	<0.5	<2	0.17	<0.5	4	18	27	1.8	<10	<1	0.03
K-0696		4	0.2	1.17	38	<10	200	<0.5	<2	0.18	<0.5	4	18	23	1.7	<10	<1	0.03
K-0697		4	0.2	1.21	50	<10	130	<0.5	<2	0.14	<0.5	4	17	19	1.83	<10	<1	0.03
K-0698		7	0.2	1.22	66	<10	260	0.5	<2	0.17	<0.5	5	17	26	1.74	<10	<1	0.04
K-0699		5	0.2	1.41	68	<10	270	0.5	<2	0.18	<0.5	4	19	23	1.98	<10	<1	0.04
K-0700		3	<0.2	1.22	48	<10	180	<0.5	<2	0.16	<0.5	4	18	19	1.74	<10	<1	0.04
K-0701		2	<0.2	1.27	58	<10	180	0.5	<2	0.11	<0.5	3	21	18	1.85	<10	<1	0.04
K-0702		4	0.2	1.39	86	<10	280	0.5	<2	0.17	<0.5	6	30	26	1.97	<10	1	0.04
K-0703		18	<0.2	1	46	<10	150	<0.5	<2	0.17	<0.5	5	21	13	1.71	<10	<1	0.04
K-0704		4	<0.2	1.28	126	<10	190	<0.5	<2	0.17	<0.5	11	44	22	2.03	<10	<1	0.03
K-0705		5	0.4	1.61	126	<10	190	<0.5	<2	0.23	<0.5	15	66	29	2.61	<10	<1	0.03
K-0706		5	0.8	1.78	158	<10	150	<0.5	2	0.2	<0.5	15	88	25	2.58	<10	<1	0.03

SAMPLE No
TRAVERSE 23(-80)

	2151 La ppm 10	2134 Mg % 0.01	2135 Mn ppm 5	2136 Mo ppm 1	2137 Na % 0.01	2138 Ni ppm 1	2139 P ppm 10	2140 Pb ppm 2	551 S % 0.01	2141 Sb ppm 2	2142 Sc ppm 1	2143 Sr ppm 1	2144 Ti % 0.01	2145 Tl ppm 10	2146 U ppm 10	2147 V ppm 1	2148 W ppm 10	2149 Zn ppm 2
K-0675	<10	0.22	85	<1	<0.01	9	170	18	<0.01	<2	1	7	0.02	<10	<10	41	<10	24
K-0676	10	0.11	60	<1	<0.01	5	90	18	<0.01	<2	1	5	0.01	<10	<10	21	<10	14
K-0677	<10	0.08	40	<1	<0.01	3	80	14	<0.01	<2	<1	5	0.01	<10	<10	21	<10	10
K-0678	10	0.15	85	<1	<0.01	5	200	28	<0.01	<2	1	6	0.01	<10	<10	35	<10	22
K-0679	10	0.32	175	<1	<0.01	13	300	20	0.01	<2	1	11	0.03	<10	<10	46	<10	36
K-0680	20	0.19	85	<1	<0.01	4	370	20	0.01	<2	<1	7	<0.01	<10	<10	16	<10	38
K-0681	30	0.31	145	<1	<0.01	12	270	18	<0.01	<2	1	8	0.01	<10	<10	28	<10	36
K-0682	30	0.19	70	<1	<0.01	5	160	18	<0.01	<2	1	8	0.01	<10	<10	21	<10	26
K-0683	30	0.24	110	<1	<0.01	7	350	18	<0.01	<2	1	10	0.01	<10	<10	18	<10	32
K-0684	30	0.17	75	<1	<0.01	5	170	20	<0.01	<2	1	5	0.01	<10	<10	17	<10	24
K-0685	10	0.16	100	1	<0.01	13	110	26	<0.01	<2	1	6	0.01	<10	<10	30	<10	30
K-0686	50	0.27	165	<1	<0.01	12	160	30	<0.01	<2	2	7	0.02	<10	<10	31	<10	36
K-0687	20	0.14	110	1	<0.01	8	290	26	0.01	<2	1	8	0.01	<10	<10	20	<10	48
K-0688	50	0.17	135	<1	<0.01	8	330	28	0.01	<2	2	31	<0.01	<10	<10	15	<10	50
K-0689	30	0.17	150	1	<0.01	7	250	24	0.01	<2	1	28	<0.01	<10	<10	18	<10	46
K-0690	30	0.25	135	<1	<0.01	9	320	26	0.01	<2	2	32	0.01	<10	<10	24	<10	56
K-0691																		
K-0692	30	0.24	110	<1	<0.01	11	320	44	0.02	<2	3	23	0.01	<10	<10	30	<10	54
K-0693	30	0.28	80	<1	<0.01	13	260	46	0.01	2	3	18	0.02	<10	<10	34	<10	54
K-0694	10	0.25	155	1	<0.01	8	340	36	0.01	<2	1	13	0.03	<10	<10	31	<10	52
K-0695	20	0.31	105	1	<0.01	11	380	50	0.01	2	3	16	0.03	<10	<10	32	<10	62
K-0696	10	0.33	110	1	<0.01	11	400	32	<0.01	2	2	15	0.03	<10	<10	31	<10	60
K-0697	10	0.29	120	1	<0.01	9	390	36	0.01	<2	1	12	0.03	<10	<10	32	<10	48
K-0698	20	0.29	155	1	<0.01	12	380	38	0.01	<2	2	16	0.03	<10	<10	31	<10	56
K-0699	20	0.3	105	<1	<0.01	11	490	34	0.01	4	2	16	0.03	<10	<10	31	<10	52
K-0700	10	0.33	90	1	<0.01	11	480	22	0.01	4	1	13	0.03	<10	<10	32	<10	50
K-0701	10	0.25	100	1	<0.01	10	430	26	0.02	<2	<1	12	0.01	<10	<10	29	<10	38
K-0702	20	0.4	185	1	<0.01	19	390	30	<0.01	4	3	15	0.03	<10	<10	31	<10	56
K-0703	10	0.33	165	1	<0.01	13	500	16	<0.01	2	1	13	0.03	<10	<10	31	<10	56
K-0704	10	0.58	365	2	<0.01	33	470	14	0.01	<2	1	15	0.02	<10	<10	35	<10	102
K-0705	10	0.91	555	3	<0.01	47	630	16	<0.01	8	3	17	0.03	<10	<10	49	<10	122
K-0706	10	0.92	430	3	<0.01	73	520	16	0.01	2	3	16	0.02	<10	<10	50	<10	102

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 40(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 10-Aug-00		By: PL SJ							
		Sample Interval (m): 50									
K-0825	825	588310.3	7091500	1048	S++	20	org	rb	si cl	qmcs	boulder field
K-0826	826	588350.3	7091535.6		S++	30	org	b yb	si cl	qte ser/s p ox	
K-0827	827	588380.6	7091571.8		S++	25	org	yb b	si cl	qte ser/s p ox	
K-0828	828	588412.4	7091610.4		S++	25	org	yb	si cl	qte ser/s p ox	
K-0829	829	588443.2	7091648.3	988	S++	25	org	yb	si cl	qte ser/s p ox	
K-0830	830	588477.2	7091691.2		S++	25	org	yb	si cl	qte ser/s p ox	
K-0831	831	588510.3	7091740.5		S++	25	org	yb	gv si cl	qte ser/s p ox	
K-0832	832	588546.3	7091759		S++	25	moist	yb	gr si cl	qte ser/s p ox	with q eyes
K-0833	833	588582.1	7091794	908	S++	25	org	yb	si cl	qte m blue q eyes	felspars?/s
K-0834	834	588616.5	7091832.7		S++	25	W	yb	gv si cl	qte m blue q eyes	felspars?/s
K-0835	835	588651.1	7091866		S++	25	moist org	yb	si cl	qms	
K-0836	836	588692.2	7091901.9		S++	25	org	yb	si cl	qms	
K-0837	837	588718.4	7091942	854	S++	30	org	yb	gr si cl	qms	
K-0838	838	588746.2	7091981.7		S++	35	sk org	yb	gr cl si	qte ser /s	
K-0839	839	588780.4	7092027.6		S++	15		yb	si cl	qms	
K-0840	840	588798.5	7092066.4		S++	15		yb	si cl	qms	
K-0841	841	588843.6	7092099.8	823	S++	35		yb	si cl	qms	
K-0842	842	588875.5	7092135.5		S++	30		yb	cl si gv	qte m bandid / s ox	
K-0843	843	588915.5	7092170.1		S++	30		yb	cl si gv	qte m/s qv	
K-0844	844	588958.8	7092204.2		S++	20		ob gb	si cl	no rocks	
K-0845	845	588989.4	7092237.4	782	S++	25		yb	gv gr cl si	qte ser /s p lim	
K-0846	846	589022.1	7092259.9		S++	25		gb yb	si cl	qte ser /s qv	
K-0847	847	589069.4	7092309.2		S++	25		yb	si cl	qte ser /s	
K-0848	848	589094.8	7092339.6		S++	20		rb	gr si cl	qte ser /s	
K-0849	849	589139.2	7092395.3	737	S++	30		yb	si cl	qte ser /s ox	
K-0850	850	589179.7	7092433.1		S++	30	sk org	yb	si cl gr gv	qte ser /s	
K-0851	851	589198.6	7092481.9	709	S++	20		rb	si cl	qte ser / s ox	

SAMPLE No	Scheme Code		3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131
	Analysis Unit		Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	Detection Limit		ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
TRAVERSE 40(-80)			1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
K-0825				<0.2	1.32	16	<10	80	<0.5	<2	0.12	<0.5	4	24	8	3.85	<10	<1
K-0826			<2	<0.2	1.35	20	<10	360	<0.5	<2	0.13	<0.5	4	18	11	2.11	<10	<1
K-0827			3	<0.2	1.53	16	<10	370	<0.5	<2	0.14	<0.5	4	23	16	2.08	<10	<1
K-0828			4	<0.2	1.48	14	<10	310	<0.5	<2	0.14	<0.5	5	22	12	2.05	<10	<1
K-0829			3	0.4	2.08	18	<10	490	0.5	<2	0.16	<0.5	6	27	21	2.76	<10	<1
K-0830			13	0.2	1.47	34	<10	400	<0.5	2	0.15	<0.5	4	20	12	1.89	<10	<1
K-0831			8	<0.2	1.14	48	<10	230	<0.5	<2	0.11	<0.5	4	15	7	1.57	<10	<1
K-0832			10	<0.2	1.26	40	<10	230	<0.5	<2	0.14	<0.5	4	18	8	1.71	<10	<1
K-0833			20	0.2	1.23	54	<10	240	<0.5	<2	0.13	<0.5	4	16	10	1.8	<10	<1
K-0834			14	<0.2	1.36	40	<10	180	<0.5	<2	0.12	<0.5	4	18	7	1.91	<10	<1
K-0835			11	0.2	1.17	26	<10	260	<0.5	<2	0.12	<0.5	3	15	8	1.51	<10	1
K-0836			8	0.2	1.38	30	<10	250	<0.5	2	0.13	<0.5	4	18	9	1.89	<10	<1
K-0837			9	<0.2	1.37	30	<10	140	<0.5	<2	0.12	<0.5	4	17	9	2.03	<10	<1
K-0838			12	<0.2	1.11	74	<10	150	<0.5	<2	0.11	<0.5	4	14	7	1.74	<10	1
K-0839			9	<0.2	1.56	20	<10	160	<0.5	<2	0.12	<0.5	4	18	11	2.01	<10	<1
K-0840			3	0.4	1.67	16	<10	160	<0.5	<2	0.1	<0.5	5	18	11	2.21	<10	<1
K-0841			6	<0.2	1.33	16	<10	120	<0.5	<2	0.11	<0.5	4	16	11	1.67	<10	<1
K-0842			5	<0.2	0.96	40	<10	170	<0.5	<2	0.09	<0.5	3	10	6	1.31	<10	<1
K-0843			<1	<0.2	0.94	26	<10	120	<0.5	2	0.08	<0.5	3	13	7	1.5	<10	<1
K-0844			<1	<0.2	1.29	24	<10	100	<0.5	2	0.06	<0.5	1	14	4	1.67	<10	<1
K-0845			7	<0.2	0.76	46	<10	110	<0.5	<2	0.12	<0.5	2	8	5	1.14	<10	<1
K-0846			6	<0.2	0.71	28	<10	100	<0.5	<2	0.06	<0.5	<1	6	3	0.79	<10	<1
K-0847			13	0.2	1	36	<10	170	<0.5	<2	0.1	<0.5	1	9	11	1.23	<10	<1
K-0848			4	<0.2	1.21	20	<10	110	<0.5	<2	0.1	<0.5	4	17	11	1.81	<10	<1
K-0849			7	0.2	1.05	16	<10	190	<0.5	<2	0.1	<0.5	3	15	12	1.68	<10	<1
K-0850			3	<0.2	0.96	22	<10	140	<0.5	<2	0.1	<0.5	4	14	8	1.72	<10	<1
K-0851			4	<0.2	1.61	26	<10	150	<0.5	<2	0.1	<0.5	4	22	10	2.53	<10	<1

SAMPLE No
TRAVERSE 40(-80)

	2132 K %	2151 La ppm	2134 Mg %	2135 Mn ppm	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Tl ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K-0825	0.04	<10	0.28	295	1	<0.01	9	630	24	0.02	4	1	7	0.06	<10	<10	67	<10	42
K-0826	0.07	10	0.29	170	1	<0.01	12	480	40	0.03	<2	<1	14	0.04	<10	<10	52	<10	40
K-0827	0.05	10	0.32	140	1	<0.01	14	490	32	0.02	<2	<1	15	0.03	<10	<10	42	<10	40
K-0828	0.05	10	0.36	205	1	<0.01	14	440	20	0.01	2	2	13	0.04	<10	<10	40	<10	44
K-0829	0.07	10	0.4	205	2	<0.01	17	520	32	0.02	2	3	18	0.04	<10	<10	52	<10	52
K-0830	0.06	10	0.3	130	1	<0.01	12	530	22	0.02	2	1	16	0.02	<10	<10	32	<10	38
K-0831	0.07	10	0.29	135	<1	<0.01	9	320	10	<0.01	2	1	10	0.02	<10	<10	27	<10	32
K-0832	0.06	10	0.32	135	<1	<0.01	10	340	12	0.01	2	2	12	0.03	<10	<10	32	<10	36
K-0833	0.06	10	0.31	125	1	<0.01	9	480	16	0.01	<2	1	12	0.02	<10	<10	30	<10	36
K-0834	0.05	10	0.34	135	1	<0.01	9	270	12	<0.01	2	3	10	0.03	<10	<10	34	<10	38
K-0835	0.05	10	0.28	85	1	<0.01	8	280	10	0.01	<2	1	13	0.03	<10	<10	27	<10	28
K-0836	0.05	10	0.35	135	1	<0.01	10	360	12	0.01	<2	1	12	0.03	<10	<10	35	<10	38
K-0837	0.05	10	0.4	145	1	<0.01	10	330	14	<0.01	<2	2	9	0.03	<10	<10	32	<10	38
K-0838	0.06	10	0.35	125	1	<0.01	9	250	10	<0.01	2	1	11	0.03	<10	<10	31	<10	34
K-0839	0.05	10	0.44	140	1	<0.01	11	330	12	<0.01	2	3	10	0.02	<10	<10	33	<10	36
K-0840	0.05	10	0.6	135	1	<0.01	11	160	12	<0.01	2	4	9	0.02	<10	<10	38	<10	44
K-0841	0.05	10	0.42	95	<1	<0.01	10	300	14	<0.01	<2	2	9	0.02	<10	<10	27	<10	36
K-0842	0.06	10	0.22	100	<1	<0.01	7	190	26	<0.01	<2	1	8	0.01	<10	<10	21	<10	24
K-0843	0.05	10	0.23	95	<1	<0.01	7	160	16	<0.01	<2	1	8	0.03	<10	<10	24	<10	22
K-0844	0.03	10	0.18	65	<1	<0.01	5	120	14	<0.01	<2	1	6	0.03	<10	<10	37	<10	14
K-0845	0.07	10	0.2	75	<1	<0.01	6	190	38	<0.01	<2	1	10	0.01	<10	<10	15	<10	20
K-0846	0.06	10	0.09	30	<1	<0.01	3	110	10	<0.01	<2	1	7	0.01	<10	<10	16	<10	8
K-0847	0.07	10	0.17	60	<1	<0.01	5	200	36	0.01	<2	1	10	0.01	<10	<10	21	<10	22
K-0848	0.04	10	0.28	115	<1	<0.01	9	260	44	0.01	<2	1	9	0.04	<10	<10	32	<10	34
K-0849	0.05	10	0.22	80	1	<0.01	9	320	120	0.03	4	1	15	0.03	<10	<10	27	<10	28
K-0850	0.04	10	0.22	120	1	<0.01	8	330	72	0.02	<2	1	12	0.03	<10	<10	27	<10	32
K-0851	0.04	10	0.32	155	1	<0.01	11	250	62	0.01	<2	2	9	0.03	<10	<10	43	<10	44

ABBREVIATIONS FOR GEOCHEMICAL & GEOLOGICAL NOTATIONS

<u>LAND FORM</u>	<u>STATE</u>	<u>COLOUR</u>	<u>SOIL COMPOSITION</u>	<u>ROCKS</u>
F Flat	W Wet	o Orange	cl clayey	s schist
S 0-5 deg slope	f Frozen	y Yellow	si silty	qte quartzite
S+ 5-10 deg slope	pf Partly frozen	r Red	s sandy	por porphyry
S++ >10 deg slope	org Organic	b Brown	gr gritty	gd granodiorite
R Ridge top	sk Skeletal	g Grey	gv gravelly	
V Valley floor		blk Black	r fg rock fragments	q quartz
				f feldspar
				m muscovite
				ser sericite
				b biotite
				c chlorite
				p pyrite
				carb carbonaceous
				qv vein quartz
				met metamorphic
				meso mesothermal
				ox oxidised
				lim limonitic
				hem hematitic
				sil siliceous
				tr trace
				ptly partly

B) 2001 survey:

MMI and -80 mesh broad
spectrum analytical data

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH cm	SOIL					Scheme Code	
		EAST	NORTH	ELEV			STATE	COLOUR	COMPOSITION	ROCKS	COMMENTS		
LINE K 8 SE													Analysis Unit Detection Limit
Upper last chance													
		GRAND FORKS 1:50,000 115-0/14											
		Sampled: 05-Jul-01			By: A.D A.I.D.								
		Sample Interval (m): 50m											
K3067		589319.9	7091376	948	s++	30	ba pf	b yb	gr si cl	q ser s			
K3068		589360.2	7091346		s++	30	ba sk	b yb	gr si s	q ser s	qtz eyes		
K3069		589388.5	7091305			25	30	ba	ob	gr si cl	qms<ser		
K3070		589424.6	7091264			25	25	b	ob yb	gr cl	qms<ser		

3993	2118	2119	2120	557	2121	2122	2123	2124	2125	2126	2127
Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
1	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
27	<0.2	0.71	36	<10	230	<0.5	2	0.07	<0.5	2	7
7	0.2	0.66	24	<10	200	<0.5	8	0.1	<0.5	1	7
15	<0.2	1.41	48	<10	320	<0.5	4	0.07	<0.5	4	18
12	<0.2	1.14	28	<10	210	<0.5	2	0.05	<0.5	3	13

SAMPLE		2128		2150		2130		2131		2132		2151		2134		2135		2136		2137		2138		2139		2140		551		2141		2142		2143		2144		2145		2146		2147		2148		2149	
No		Cu		Fe		Ga		Hg		K		La		Mg		Mn		Mo		Na		Ni		P		Pb		S		Sb		Sc		Sr		Ti		Ti		U		V		W		Zn	
LINE K 8 SE		ppm		%		ppm		ppm		%		ppm		%		ppm		ppm		%		ppm		ppm		ppm		%		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm			
Upper last chance		1		0.01		10		1		0.01		10		0.01		5		1		0.01		1		10		2		0.01		2		1		1		0.01		10		10		1		10		2	
K3067		7	1.01	<10	<1	0.06	10	0.16	90	<1	<0.01	4	290	22	0.01	<2	<1	9	0.01	<10	<10	18	<10	34																							
K3068		6	0.72	<10	<1	0.05	<10	0.06	75	<1	<0.01	3	690	18	0.03	<2	<1	10	<0.01	<10	<10	19	<10	24																							
K3069		8	2.12	<10	<1	0.04	10	0.29	150	<1	<0.01	9	230	26	<0.01	<2	1	9	0.02	<10	<10	40	<10	40																							
K3070		8	1.55	<10	<1	0.05	10	0.22	120	<1	<0.01	7	160	20	<0.01	<2	1	7	0.01	<10	<10	29	<10	32																							

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

TRAVERSE K 59A
Pure Gold Gulch
GRAND FORKS 1:50,000 115-0/14
Sampled: 19-Jul-01 By: AD & AF
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

K3359		581216.5	7098305	750	s	25	d b <a	b	cl si	-	
K3360		581246.5	7098269		s	25	d a <<b	b	si	-	check K3375
K3361		581276.2	7098227		s	35	d a b	b	cl si	-	
K3362		581314.1	7098183		s	35	d a b	b	si	-	
K3363		581341.8	7098140	584	s	35	d b <<a	b	cl si	-	
K3364		581368.4	7098106		s	30	d b a	b	si	-	
K3365		581401.6	7098069		s+	30	d b <org	b	si	-	
K3366		581425.3	7098018		s+	10	d b <<org,a	b	si	-	
K3367		581455.8	7097986	640	s+	25	d b <a <org	b	si	-	
K3368		581491.8	7097934		s	10	d b	b ob	si		
K3369		581511.5	7097901		s	10	d b	ob	cl si	qms ox	10m away- ditch
K3370		581544.4	7097860		s	10	d b	b	si	qv ox	
K3371		581579.6	7097818	642	s	10	d b	b	gv gr cl si	qms ox	
K3372		581607.1	7097791		s	20	d b <org	b	cl si	qv	ditch
K3373		581631.1	7097737		s+	10	d b <<org	b	si	qv ox	
K3374		581660.9	7097693	629	s+	10	d b <org	ob	si	qms	20m below ditch

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

<0.1	29	49	0.16	2.11
<0.1	35	47	0.17	0.64
<0.1	18	52	<0.1	3.69
<0.1	11	37	<0.1	2.91
<0.1	55	70	0.15	5.23
<0.1	20	40	<0.1	2.57
<0.1	48	78	<0.1	4.32
<0.1	32	40	<0.1	1.15
<0.1	35	31	<0.1	1.71
0.12	10	27	<0.1	7.27
<0.1	5	20	<0.1	5.73
<0.1	8	39	<0.1	4.98
<0.1	2	22	<0.1	7
<0.1	<1	34	<0.1	8.97
0.13	4	109	<0.1	25.9
<0.1	3	43	0.1	4.69

K3360
K3375
check for K3360

<0.1	29	49	0.16	2.11
<0.1	27	44	0.16	1.21

K3359
DUP-K3359

<0.1	29	49	0.16	2.11
<0.1	24	42	<0.1	1.8

K3371
DUP-K3371

<0.1	2	22	<0.1	7
<0.1	2	26	<0.1	8.2

At K3368 is abundant subcrop due to construction of old ditch. On northwest side is medium-grained pinkish grey quartz-rich granodiorite?, non-foliated. On southeast side of ditch is quartz muscovite schist.

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE K 65		GRAND FORKS 1150,000 115-0/14									
Upper Bear Creek, Mosquito		Sampled: 12-Jul-01			By: AD & AF						
		Sample Interval (m): 50									
K3222		585083.4	7096622	862	s+	20	d a b <org	b	si cl	qms	
K3223		585046.5	7096578		s+	20	d a b c	b	si cl	qv, qms	with quartz eyes
K3224		585014.7	7096540		s	10	d b	ob	cl si	qms	with quartz eyes
K3225		584978.6	7096507		s	10	d a b	b gb <ob	si cl	q eye por	weakly foliated
K3226		584940.6	7096476	885	s	30	d b <a	b	si cl	q eye por	weakly foliated
K3227		584904.7	7096442		s	25	d b a	b	si cl	q eye por	weakly foliated
K3228		584871.1	7096403		s	20	d b <a	y b b	gr cl si	q eye por	weakly foliated
K3229		584832.3	7096369		s	10	d b <a	b ob	si cl	q eye por	weakly foliated
K3230		584793.1	7096326	918	s	10	d b a	b g ob	cl si	q eye por, ser	weakly foliated
K3231		584766	7096297		s	20	d b <a	b	cl si	q eye por, ser	weakly foliated
K3232		584721.2	7096265		s	15	d b a	b	si cl	q eye por, ser, qv	weakly foliated
K3233		584692.5	7096227		s	10	d b <a	ob	gr si cl	q eye por, ser, qv	weakly foliated
K3234		584661.6	7096187	946	s	10	d b a	b rb	cl si	q eye por, ser, qv	weakly foliated
K3235		584619.2	7096160		s	20	d b sk org	b yb	gv si cl	q eye por, ser, qv	weakly foliated
K3236		584584.1	7096120		s	10	d a b	b ob	gr si cl	qsers	with quartz eyes
K3237		584543.2	7096088		s	15	d b a	b yb	si cl	qsers	with quartz eyes
K3238		584513.5	7096049	975	s	20	d b <org	b yb	gr si cl	qsers	
K3239		584472.7	7096023		s	15	d b <a	b yb	gv gr si cl	-	
K3240		584439	7095986		s	10	d b <a	y b b	gv gr si cl	qsers	check K3261
K3241		584404.3	7095949		s	15	d b	b	si	-	
K3242		584368.1	7095917	1009	s	10	d b <a <sk	b	gr cl si	qsers	
K3243		584337.2	7095877		s++	15	d b	b	gr si cl	qsers	
K3244		584296.7	7095847		s++	10	d b sk	b	gv gr si cl	qv, qms	minor quartz eyes
K3245		584263.6	7095807		s+	20	d b a	b o	gv cl si	qte, ser?	
K3246		584214.7	7095780	1056	r s	10	d b	rb	si cl	qte, weakly foliated, b	R301
K3247		584179.8	7095752		s	10	d b	y b <rb	si	qte, weakly foliated, b	
K3248		584144.6	7095712		s+	10	d b <a	b rb	si cl	qte, qv, qsers	
K3249		584105.5	7095681		s	15	d b	b ob	cl si	qmbs	
K3250		584071.5	7095645	1034	s+	10	d b <a	b	si cl	qms, qsers	
K3251		584037.3	7095609		s+	15	d b	ob b	si cl	b qte	
K3252		584000.4	7095573		s+	15	d b <a	b	cl si	qmbs	
K3253		583967.2	7095537		s+	15	d b <a	b	si cl	qms	
K3254		583936.5	7095497	977	s+	20	d b a	b	gr si cl	qms, qserbs	
K3255		583897	7095463		s	20	d b a org	b	gr si cl	qms	
K3256		583863.8	7095425		s	20	d b <org	b	gr si cl	b qte	
K3257		583835.1	7095388		s+	20	d b	b yb	si cl	qms	
K3258		583797.1	7095347	932	s+	10	d b	b	cl si	qms	
K3259		583766.7	7095315		s++	25	d b a org	b	si cl	-	
K3260		583728.9	7095284	910	s+	25	d b <a	b	cl	-	check K3262
K3262											check for K3260

Scheme Code
Analysis Unit
Detection Limit

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

<0.1	9	18	n.a.	1.68
<0.1	10	16	n.a.	0.12
<0.1	3	9	n.a.	0.28
<0.1	3	10	n.a.	0.58
<0.1	14	20	n.a.	0.81
<0.1	17	24	n.a.	0.45
<0.1	8	21	n.a.	3.03
<0.1	9	14	n.a.	1.47
<0.1	3	14	n.a.	8.5
<0.1	6	13	n.a.	6.34
<0.1	9	15	n.a.	7.1
<0.1	6	19	n.a.	3.16
<0.1	2	7	n.a.	0.74
<0.1	6	13	n.a.	0.69
<0.1	16	9	n.a.	1.5
<0.1	4	11	n.a.	4.13
<0.1	10	18	n.a.	1.53
<0.1	16	21	n.a.	1.23
<0.1	14	21	n.a.	2.71
<0.1	18	21	n.a.	1.25
<0.1	9	20	n.a.	2.83
<0.1	10	15	n.a.	2.36
<0.1	7	14	n.a.	3.43
<0.1	2	11	n.a.	3.08
<0.1	9	15	n.a.	21.5
<0.1	4	10	n.a.	10
<0.1	2	11	n.a.	3.75
<0.1	5	13	n.a.	1.85
<0.1	4	10	n.a.	5.46
<0.1	11	23	n.a.	5.69
<0.1	40	38	n.a.	11
<0.1	4	21	n.a.	9.69
<0.1	3	20	n.a.	6
<0.1	12	22	n.a.	1.62
<0.1	20	61	n.a.	8.86
<0.1	15	31	n.a.	6.05
<0.1	24	22	n.a.	2.38
<0.1	33	25	n.a.	4.59
<0.1	43	29	n.a.	1.9
<0.1	52	26	n.a.	1.38

K3240											<0.1	14	21	n.a.	2.71
K3261											<0.1	18	23	n.a.	3.18
check for K3240															
K3230											<0.1	3	14	n.a.	8.5
DUP-3230											<0.1	5	16	n.a.	7.17
To northeast of ridge rocks were very weakly foliated quartz eye porphyry. This grades into quartz sericite schist with white to bluish quartz eyes. Ridge and to southwest rock is biotite quartzite to quartz muscovite biotite schist quartz muscovite schist.															
K3242											<0.1	9	20	n.a.	2.83
DUP-3242											<0.1	10	23	n.a.	2.91
K3254											<0.1	3	20	n.a.	6
DUP-3254											<0.1	3	22	n.a.	6.5

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	9993 Au ppb	2118 Ag ppm			
TRAVERSE K 65		GRAND FORKS 1:50,000 115-0/14															
Upper Bear Creek, Mosquito		Sampled: 12-Jul-01		By: AD & AF											Analysis Unit		
		Sample Interval (m): 50													Detection Limit	1	0.2
K3222		585083.4	7096622	862	s+	30	b			qms			1	0.4			
K3223		585046.5	7096578		s+	25	b			qv, qms	with quartz eyes		3	<0.2			
K3224		585014.7	7096540		s	15	b			qms	with quartz eyes		2	0.2			
K3225		584978.6	7096507		s	15	b			q eye por	weakly foliated		1	0.2			
K3226		584940.6	7096476	885	s	35	b			q eye por	weakly foliated		2	<0.2			
K3227		584904.7	7096442		s	30	b			q eye por	weakly foliated		1	<0.2			
K3228		584871.1	7096403		s	20	b			q eye por	weakly foliated		1	<0.2			
K3229		584832.3	7096369		s	15	b			q eye por	weakly foliated		2	<0.2			
K3230		584793.1	7096326	918	s	10	b			q eye por, ser	weakly foliated		1	0.2			
K3231		584766	7096297		s	25	b			q eye por, ser	weakly foliated		<1	0.4			
K3232		584721.2	7096265		s	15	b			q eye por, ser, qv	weakly foliated		1	0.4			
K3233		584692.5	7096227		s	10	b			q eye por, ser, qv	weakly foliated		1	<0.2			
K3234		584661.6	7096187	946	s	10	b			q eye por, ser, qv	weakly foliated		3	0.2			
K3235		584619.2	7096160		s	20	b			q eye por, ser, qv	weakly foliated		3	<0.2			
K3236		584584.1	7096120		s	20	b			qsers	with quartz eyes		1	<0.2			
K3237		584543.2	7096088		s	20	b			qsers	with quartz eyes		1	<0.2			
K3238		584513.5	7096049	975	s	20	b			qsers			4	<0.2			
K3239		584472.7	7096023		s	15	b			-			5	<0.2			
K3240		584439	7095986		s	15	b			qsers	check K3261		3	<0.2			
K3241		584404.3	7095949		s	15	b			-			2	0.2			
K3242		584368.1	7095917	1009	s	10	b			qsers			2	<0.2			
K3243		584337.2	7095877		s++	15	b			qsers			2	0.2			
K3244		584296.7	7095847		s++	10	b			qv,qms	minor quartz eyes		4	<0.2			
K3245		584263.6	7095807		s+	20	b			qte, ser?			1	<0.2			
K3246		584214.7	7095780	1056	r s	10	b			qte, weakly foliated, b	R301		1	0.6			
K3247		584179.8	7095752		s	15	b			qte, weakly foliated, b			1	0.2			
K3248		584144.6	7095712		s+	15	b			qte, qv, qsers			1	0.2			
K3249		584105.5	7095681		s	20	b			qmbs			2	<0.2			
K3250		584071.5	7095645	1034	s+	15	b			qms, qsers			2	<0.2			
K3251		584037.3	7095609		s+	15	b			b qte			1	<0.2			
K3252		584000.4	7095573		s+	15	b			qmbs			1	0.4			
K3253		583967.2	7095537		s+	20	b			qms			2	<0.2			
K3254		583936.5	7095497	977	s+	25	b			qms, qserbs			3	0.2			
K3255		583897	7095463		s	25	b			qms			2	<0.2			
K3256		583863.8	7095425		s	25	b			b qte			2	<0.2			
K3257		583835.1	7095388		s+	25	b			qms			4	<0.2			
K3258		583797.1	7095347	932	s+	15	b			qms			1	<0.2			
K3259		583766.7	7095315		s++	25	b			-			1	0.2			
K3260		583728.9	7095284	910	s+	25	b			-	check K3262		2	0.2			
K3262											check for K3260		2	<0.2			
K3240											check K3261		3	<0.2			
K3261											check for K3240		3	0.2			

To northeast of ridge rocks were very weakly foliated quartz eye porphyry. This grades into quartz sericite schist with white to bluish quartz eyes. Ridge and to southwest rock is biotite quartzite to quartz muscovite biotite schist quartz muscovite schist.

SAMPLE
No
TRAVERSE K 65
Upper Bear Creek, Mosquito

	2119 Al %	2120 As ppm	557 B ppm	2121 Ba ppm	2122 Be ppm	2123 Bi ppm	2124 Ca %	2125 Cd ppm	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2130 Ga ppm	2131 Hg ppm	2132 K %	2151 La ppm	2134 Mg %	2135 Mn ppm	2136 Mo ppm
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1
K3222	1.32	<2	<10	460	0.5	<2	0.21	<0.5	3	15	19	1.63	<10	<1	0.08	40	0.17	75	1
K3223	0.73	2	<10	150	<0.5	<2	0.07	<0.5	1	11	4	1.06	<10	<1	0.06	10	0.14	60	<1
K3224	1.61	2	<10	90	<0.5	<2	0.06	<0.5	4	20	3	2.71	<10	<1	0.04	<10	0.24	115	1
K3225	0.89	<2	<10	120	<0.5	<2	0.05	<0.5	1	9	4	1	<10	<1	0.04	<10	0.1	70	1
K3226	1.28	<2	<10	250	<0.5	<2	0.14	<0.5	5	18	11	1.74	<10	<1	0.05	10	0.3	125	<1
K3227	1.49	2	<10	270	0.5	<2	0.12	<0.5	5	24	20	2.17	<10	<1	0.06	20	0.34	130	<1
K3228	1.38	6	<10	220	0.5	<2	0.11	<0.5	4	20	12	2.15	<10	<1	0.06	10	0.32	140	3
K3229	1.17	8	<10	140	<0.5	<2	0.08	<0.5	4	16	6	1.91	<10	<1	0.07	10	0.27	115	<1
K3230	1.15	<2	<10	210	<0.5	<2	0.09	<0.5	3	10	5	1.36	<10	<1	0.05	10	0.17	140	1
K3231	1	<2	<10	140	<0.5	<2	0.09	<0.5	3	10	3	1.2	<10	<1	0.04	10	0.19	75	<1
K3232	0.86	<2	<10	240	0.5	<2	0.09	<0.5	3	9	12	1.18	<10	<1	0.06	20	0.09	75	1
K3233	1.25	6	<10	200	<0.5	<2	0.07	<0.5	4	17	8	1.77	<10	<1	0.07	20	0.27	105	1
K3234	1.34	12	<10	360	0.5	<2	0.14	<0.5	5	19	12	3.09	<10	<1	0.08	20	0.21	250	2
K3235	1.18	2	<10	150	<0.5	<2	0.07	<0.5	3	15	4	1.56	<10	<1	0.05	10	0.31	95	<1
K3236	1.07	8	<10	210	<0.5	<2	0.09	<0.5	4	13	1	2.11	<10	<1	0.07	<10	0.16	175	<1
K3237	1.39	6	<10	170	<0.5	<2	0.06	<0.5	4	17	5	1.64	<10	<1	0.04	10	0.28	85	1
K3238	1.09	<2	<10	170	<0.5	<2	0.11	<0.5	4	16	6	1.47	<10	<1	0.04	10	0.31	120	<1
K3239	1.28	2	<10	190	<0.5	<2	0.12	<0.5	4	19	6	1.65	<10	<1	0.04	10	0.33	100	<1
K3240	1.47	<2	<10	200	0.5	<2	0.14	<0.5	8	24	12	2.06	<10	<1	0.06	10	0.41	230	<1
K3241	1.52	<2	<10	230	0.5	<2	0.15	<0.5	5	26	15	2.19	<10	<1	0.05	10	0.44	170	<1
K3242	1.25	2	<10	210	0.5	<2	0.21	<0.5	6	23	16	2.08	<10	<1	0.05	20	0.4	235	<1
K3243	1.53	10	<10	180	0.5	<2	0.18	<0.5	6	25	14	2.23	<10	<1	0.04	10	0.44	160	2
K3244	1.4	10	<10	190	0.5	<2	0.13	<0.5	7	23	13	2.09	<10	<1	0.04	40	0.4	210	1
K3245	1.08	14	<10	140	<0.5	<2	0.05	<0.5	4	14	6	2.67	<10	<1	0.05	20	0.17	110	<1
K3246	1.91	2	<10	250	0.5	<2	0.08	<0.5	9	26	7	3.22	<10	<1	0.04	<10	0.33	315	3
K3247	2.57	10	<10	330	0.5	<2	0.07	<0.5	9	34	15	3.4	<10	<1	0.05	10	0.5	250	2
K3248	1.44	<2	<10	220	<0.5	<2	0.07	<0.5	5	19	3	2.71	<10	<1	0.04	<10	0.23	230	1
K3249	1.11	8	<10	120	0.5	<2	0.07	<0.5	5	15	8	1.8	<10	<1	0.04	50	0.26	210	<1
K3250	0.88	6	<10	380	0.5	<2	0.12	<0.5	2	12	13	1.33	<10	<1	0.04	80	0.1	70	<1
K3251	2.05	10	<10	350	0.5	<2	0.13	<0.5	10	30	11	3.15	<10	<1	0.05	10	0.46	415	<1
K3252	1.69	4	<10	370	1.5	<2	0.1	<0.5	23	26	24	3.47	<10	<1	0.06	30	0.33	1400	<1
K3253	1.57	2	<10	360	0.5	<2	0.15	<0.5	9	23	13	2.5	<10	<1	0.06	20	0.4	585	1
K3254	1.59	2	<10	250	0.5	<2	0.12	<0.5	7	27	11	2.42	<10	<1	0.05	10	0.46	260	1
K3255	1.56	2	<10	360	0.5	<2	0.17	<0.5	7	27	16	2.38	<10	<1	0.05	20	0.44	250	<1
K3256	1.18	8	<10	260	0.5	<2	0.18	<0.5	5	21	12	1.84	<10	<1	0.05	20	0.37	155	<1
K3257	1.25	<2	<10	240	<0.5	<2	0.15	<0.5	5	22	8	1.99	<10	<1	0.04	10	0.38	150	1
K3258	1.4	2	<10	270	0.5	<2	0.08	<0.5	6	22	9	2.2	<10	<1	0.05	10	0.36	200	1
K3259	1.41	<2	<10	310	0.5	<2	0.12	<0.5	8	22	14	2.15	<10	<1	0.05	20	0.38	320	2
K3260	1.7	<2	<10	380	0.5	<2	0.17	<0.5	11	26	12	2.62	<10	<1	0.05	20	0.42	485	<1
K3262	1.55	6	<10	340	0.5	<2	0.15	<0.5	7	24	10	2.38	<10	<1	0.05	10	0.39	305	1
K3240	1.47	<2	<10	200	0.5	<2	0.14	<0.5	8	24	12	2.06	<10	<1	0.06	10	0.41	230	<1
K3261	1.41	<2	<10	190	0.5	<2	0.13	<0.5	7	23	11	1.96	<10	<1	0.06	10	0.39	185	2

SAMPLE
No
TRAVERSE K 65
Upper Bear Creek, Mosquito

	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K3222	0.01	10	350	24	0.02	6	1	22	0.01	<10	<10	30	<10	34
K3223	<0.01	7	350	12	0.01	2	<1	9	0.01	10	<10	21	<10	22
K3224	<0.01	8	280	16	0.01	8	1	7	0.03	10	<10	53	<10	28
K3225	<0.01	4	200	8	<0.01	<2	<1	6	0.01	<10	<10	36	<10	14
K3226	<0.01	13	430	10	0.01	<2	<1	15	0.01	<10	<10	31	<10	34
K3227	0.01	17	360	18	<0.01	6	3	12	0.05	<10	<10	41	<10	42
K3228	<0.01	14	320	18	0.01	10	1	12	0.04	10	<10	40	<10	44
K3229	<0.01	10	220	22	<0.01	<2	1	9	0.06	<10	<10	45	<10	34
K3230	<0.01	6	200	20	<0.01	10	1	9	0.03	<10	<10	33	<10	30
K3231	<0.01	5	140	18	<0.01	2	1	7	0.05	<10	<10	34	<10	24
K3232	0.01	7	240	30	<0.01	6	<1	9	0.04	<10	<10	32	<10	18
K3233	<0.01	10	240	20	<0.01	4	1	8	0.03	<10	<10	32	<10	36
K3234	<0.01	10	1180	62	0.01	6	<1	15	0.03	<10	<10	57	<10	50
K3235	<0.01	10	170	18	<0.01	2	1	8	0.03	<10	<10	28	<10	30
K3236	<0.01	8	400	18	0.01	4	1	10	0.04	<10	<10	47	<10	30
K3237	<0.01	9	110	30	<0.01	2	2	7	0.03	10	<10	34	<10	28
K3238	<0.01	10	400	14	<0.01	10	1	11	0.03	<10	<10	27	<10	30
K3239	<0.01	13	320	14	<0.01	2	1	14	0.03	<10	<10	31	<10	34
K3240	<0.01	16	380	20	<0.01	2	3	11	0.04	<10	<10	39	<10	42
K3241	<0.01	18	430	20	<0.01	<2	3	14	0.05	<10	<10	41	<10	52
K3242	0.01	17	620	16	<0.01	4	3	17	0.05	<10	<10	39	<10	48
K3243	0.01	18	500	14	<0.01	6	3	12	0.05	<10	<10	42	<10	42
K3244	<0.01	16	360	36	0.01	8	3	11	0.04	<10	<10	40	<10	44
K3245	<0.01	8	250	60	0.01	6	3	6	0.03	<10	<10	34	<10	38
K3246	<0.01	15	270	16	0.01	2	2	9	0.05	<10	<10	71	<10	46
K3247	<0.01	22	170	20	0.01	<2	4	10	0.06	<10	<10	68	<10	52
K3248	<0.01	9	260	20	0.01	8	1	7	0.05	<10	<10	66	<10	48
K3249	<0.01	11	160	54	<0.01	8	3	7	0.04	10	<10	31	<10	48
K3250	0.01	8	520	56	0.01	8	1	15	0.04	<10	<10	32	<10	24
K3251	<0.01	18	400	16	0.01	<2	3	15	0.05	<10	<10	68	<10	52
K3252	0.01	18	840	42	0.01	8	3	14	0.05	10	<10	64	<10	50
K3253	<0.01	17	550	28	0.01	6	2	17	0.05	<10	<10	49	<10	54
K3254	<0.01	17	250	20	0.01	8	3	12	0.05	<10	<10	48	<10	50
K3255	<0.01	18	380	20	0.01	4	3	18	0.05	<10	<10	47	<10	50
K3256	0.01	15	460	18	<0.01	<2	2	14	0.04	10	<10	35	<10	42
K3257	<0.01	14	300	10	<0.01	8	3	13	0.05	<10	<10	39	<10	40
K3258	<0.01	15	360	16	0.01	6	2	10	0.04	<10	<10	44	<10	44
K3259	<0.01	16	570	26	0.01	6	1	15	0.03	<10	<10	40	<10	46
K3260	0.01	18	600	18	0.01	<2	2	19	0.03	<10	<10	51	<10	54
K3262	<0.01	16	530	16	0.01	6	1	18	0.03	<10	<10	47	<10	50
K3240	<0.01	16	380	20	<0.01	2	3	11	0.04	<10	<10	39	<10	42
K3261	<0.01	15	350	16	<0.01	10	3	11	0.04	<10	<10	37	<10	40

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

TRAVERSE K68
Upper Bear Creek
GRAND FORKS 1:50,000 115-0/14
Sampled: 18-Jul-01 By: AD & AF
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K3330	585874.6	7095147	715	s++	20	w a b	b	gr si cl	qms			<0.1	17	14	<0.1	0.42
K3331	585843.8	7095122		s++	30	w a <b org	b	cl si	qms			<0.1	17	12	<0.1	0.28
K3332	585800.5	7095088		s++	30	w a <b org	b	gr si cl	qv, qrs			<0.1	13	16	<0.1	0.64
K3333	585765.4	7095057		s++	30	w b <a	b	gr cl si	qms, qv ox			<0.1	15	21	<0.1	2.11
K3334	585728.5	7095023	743	s++	30	w a b org	b	cl si	ser qte			<0.1	13	18	<0.1	1.04
K3335	585687.6	7094991		s++	30	w b <a <org	b	cl si	ser qte, p, silicified, qv	AD2001-2		<0.1	14	21	<0.1	0.41
K3336	585651.8	7094956		s+	15	w b <a	b	gr cl si	qms ox, qv			<0.1	18	26	<0.1	1.11
K3337	585613.1	7094929		s++	35	w b <a	b	gr si cl	qms			<0.1	11	17	<0.1	0.73
K3338	585573.3	7094895	799	s++	20	d b <a	b	gv si cl	qms, ox			<0.1	28	16	<0.1	0.69
K3339	585539.4	7094854		s+	20	d b a	b	gr si cl	qms			0.11	16	23	<0.1	1.96
K3340	585497.3	7094829		s++	20	d b <a	b	si cl	qms, ox	check K3358		<0.1	22	21	<0.1	0.85
K3341	585461.2	7094796		s+	20	w b <sk	b	gv gr cl si	qms, ox			0.17	24	56	<0.1	3.65
K3342	585427.1	7094762	844	s++	20	d b <a <org	b	cl si	qms	marshy, thick moss		0.1	13	18	<0.1	0.82
K3343	585383.6	7094731		s++	50	w a <b	b	si cl	-	marshy, thick moss		0.14	15	18	<0.1	0.78
K3344	585350.6	7094696		s++	25	w b org	b	si cl	-			<0.1	14	32	<0.1	2.19
K3345	585310.3	7094661		s++	20	w b <org	b	sn si cl	qms, ox			0.11	22	29	<0.1	0.99
K3346	585271	7094630	887	s++	20	w b <a <sk	b	gv gr si cl	qte, qms			0.1	13	24	<0.1	2.22
K3347	585231.5	7094595		s++	20	d b	b	si	qms, ox			<0.1	25	26	<0.1	1.3
K3348	585195.1	7094568		s++	10	d b <org	b	gv gr si cl	qms, ox			0.12	26	30	<0.1	2.31
K3349	585159.4	7094529		s++	30	d b <org	b	gr si cl	qms, ox			<0.1	23	28	<0.1	1.22
K3350	585120.2	7094503	939	s++	20	w b	b	gr si cl	qms, ox			0.1	20	30	<0.1	3.28
K3351	585074.9	7094468		s++	20	w b <org	b	gr si cl	qms	with quartz eyes		0.1	20	27	<0.1	3.02
K3352	585038.3	7094442		s++	20	w b	b	gr si cl	qms, ox			0.1	24	21	<0.1	1.18
K3353	585002.5	7094404		s++	30	d a b	b	si cl	qms			<0.1	15	21	<0.1	1.26
K3354	584965.5	7094373	965	s++	20	w b	b	sn cl si	qms			0.13	19	17	<0.1	3.16
K3355	584929	7094342		s+	20	w b <org	b	gr si cl	qms, ox			0.12	9	17	0.1	0.88
K3356	584890.5	7094309		s+	20	d b a	b	cl si	qms			<0.1	16	14	<0.1	0.6
K3357	584849.5	7094280	987	s	20	d b <a <org	b ob	si cl	qms			0.11	10	16	<0.1	0.38
K3340												<0.1	22	21	<0.1	0.85
K3358		check for K3340										0.11	39	41	0.15	1.94
K3335												<0.1	14	21	<0.1	0.41
DUP-K3335												<0.1	12	17	<0.1	0.31
K3347												<0.1	25	26	<0.1	1.3
DUP-K3347												<0.1	21	25	<0.1	1.27

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
TRAVERSE K 68		GRAND FORKS 1:50,000 115-0/14										
Upper Bear Creek		Sampled: 18-Jul-01			By: AD & AF			Analysis Unit				
		Sample Interval (m): 50			Detection Limit							
K3330		585874.6	7095147	715	s++	25	b			qms		
K3331		585843.8	7095122		s++	40	b			qms		
K3332		585800.5	7095088		s++	40	b			qv, qrs		
K3333		585765.4	7095057		s++	30	b			qms, qv ox		
K3334		585728.5	7095023	743	s++	35	b			ser qte		
K3335		585687.6	7094991		s++	35	b			ser qte, p, silicified, qv	AD2001-2	
K3336		585651.8	7094956		s+	20	b			qms ox, qv		
K3337		585613.1	7094929		s++	40	b			qms		
K3338		585573.3	7094895	799	s++	25	b			qms, ox		
K3339		585539.4	7094854		s+	30	b			qms		
K3340		585497.3	7094829		s++	30	b			qms, ox	check K3358	
K3341		585461.2	7094796		s+	25	b			qms, ox		
K3342		585427.1	7094762	844	s++	30	b			qms	marshy, thick moss	
K3343		585383.6	7094731		s++	55	b			-	marshy, thick moss	
K3344		585350.6	7094696		s++	25	b			-		
K3345		585310.3	7094661		s++	25	b			qms, ox		
K3346		585271	7094630	887	s++	30	b			qte,qms		
K3347		585231.5	7094595		s++	30	b			qms, ox		
K3348		585195.1	7094568		s++	20	b			qms, ox		
K3349		585159.4	7094529		s++	40	b			qms, ox		
K3350		585120.2	7094503	939	s++	40	b			qms, ox		
K3351		585074.9	7094468		s++	25	b			qms	with quartz eyes	
K3352		585038.3	7094442		s++	25	b			qms, ox		
K3353		585002.5	7094404		s++	40	b			qms		
K3354		584965.5	7094373	965	s++	25	b			qms		
K3355		584929	7094342		s+	25	b			qms, ox		
K3356		584890.5	7094309		s+	30	b			qms		
K3357		584849.5	7094280	987	s	30	b			qms		
K3358											check for K3340	

Scheme Code 9993
 Analysis Unit Au
 Detection Limit ppb 1

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	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
LINE K 69		GRAND FORKS 1:50,000 115-0/14														
Queen Gulch		Sampled: 10-Jul-01 By: P.L.A.D.										Scheme Code				
		Sample Interval (m): 50m										Analysis Unit				
												Detection Limit				
K2228		583861.2	7093703	733	s	15	b d	y b	s cl si	no rock		<0.1	5	21	<0.1	3.81
K2229		583889.9	7093740		s	15	ba d	y b b	si cl	no rock		0.11	7	20	<0.1	6.66
K2230		583919.6	7093780		s	15	b<a d	y b b	si cl	q ser s		0.21	12	33	<0.1	9.77
K2231		583952.9	7093824		s	15	b d	y b	gr cl si	q ser s qv lim		<0.1	8	17	<0.1	3.17
K2232		583976.2	7093866	754	s	15	b<a d	y b b	gr cl si	q ser s		<0.1	6	19	<0.1	3.62
K2233		584026.9	7093887		s	15	b<a d	y b b	gr cl si	q ser s		<0.1	3	23	<0.1	10.5
K2234		584052.8	7093929		s	25	ba w	y b b	si cl	q ser s		<0.1	13	20	<0.1	2.85
K2235		584090	7093974		s	15	a w	b	cl	qte ser		<0.1	26	22	<0.1	2.44
K2236		584121.7	7094007	803	s	15	d b	y b	gr cl si	q ser s		0.34	17	26	<0.1	4.43
K2237		584150.4	7094045		s	15	b d	y b	si cl	no rock		0.32	39	59	0.13	33.7
K2238		584192.6	7094079		s	15	b<org d	y b	si cl	qte ser ox		0.13	5	28	<0.1	5.6
K2239		584220.6	7094122		s	25	ba w	y b b	si cl	banded qte-rhyolitic intrusive?		0.2	6	26	<0.1	5.39
K2240		584260.7	7094156	858	s	20	b d	gb	si cl	banded qte ser with x-cutting qv		<0.1	3	29	<0.1	9.77
K2241		584288.6	7094194		s	25	b d	y b	gr cl si	qte ser		0.18	5	71	<0.1	16.6
K2242		584325.9	7094233		s	15	ba d	y b b	si cl	qv ox		<0.1	4	85	<0.1	27.2
K2243		584352.8	7094268		s	15	b<a d	y b	si cl	qv ox		0.18	13	23	<0.1	19.3
K2244		584391.7	7094308	989	s	15	b d	y b	gr cl si	qte ser		<0.1	6	20	<0.1	39.6
K2245		584420.2	7094340		s	20	ba d	y b b	gr cl si	qte ser ox		0.29	11	21	0.14	7.62
K2246		584450.9	7094382		s	15	b d	y b	gr cl si	qte ser		<0.1	4	13	<0.1	18.7
K2247		584486.8	7094414		s	15	b<a d	y b b	gr cl si	qte ser		0.19	4	16	<0.1	8.33
K2248		584531	7094453	n/a	s	15	a d	b	si cl	qte ser		0.17	7	15	0.13	0.76
K2240												<0.1	3	29	<0.1	9.77
K2249											check for 2240	0.23	3	45	0.18	10.7
K2237												0.32	39	59	0.13	33.7
DUP-2237												0.4	38	51	<0.1	30.1
K2249												0.23	3	45	0.18	10.7
DUP-2249												0.35	3	44	<0.1	10.1

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

TRAVERSE K 71 GRAND FORKS 1:50,000 115-0/14
Sampled: 10-Jul-01 By: AD & AF
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K3204		586270.4	7094003	905	s++	25	d b <org	b	si cl	qte	subcrop	<0.1	20	26	0.15	1.49
K3205		586301.4	7093974		s++	30	f b <a	b	si cl	-		<0.1	38	37	0.23	0.55
K3206		586337.3	7093933		s++	20	pf b a	b	si cl	qte		<0.1	82	46	0.28	1.32
K3207		586381.3	7093908		s++	30	pf b a	b	si cl	-		<0.1	22	16	<0.1	0.19
K3208		586416.7	7093873	941	s++	20	w b a	b	gr si cl	-		<0.1	201	153	0.19	2.54
K3209		586457.3	7093841		s++	20	d b a	b	gr si	-		<0.1	15	15	0.1	0.74
K3210		586492.7	7093807		s++	25	pf b <org	b	si cl	-		<0.1	24	25	0.17	0.44
K3211		586526.2	7093773		s++	20	w b <org	b	gr si	qms		0.62	95	201	0.13	1.89
K3212		586560.9	7093736	985	s++	20	d b <org	b	gr si cl	qv, lim		<0.1	44	36	0.22	2.48
K3213		586600.9	7093707		s++	20	d b <a	b	si cl	qv		<0.1	12	12	<0.1	0.94
K3214		586638.1	7093672		s++	20	d b <<a	b	si cl	qms		0.1	17	19	<0.1	4.03
K3215		586669.9	7093636		s++	20	d a <<b	b	si	qms		<0.1	24	13	0.1	<0.1
K3216		586713.9	7093604	1018	s+	20	d b a	b	gr si cl	qms, qv		<0.1	24	17	<0.1	2.12
K3217		586746.2	7093569		s+	20	d b a	b	gr si cl	qms, qv		<0.1	12	11	<0.1	0.89
K3218		586785.1	7093539		s+	40	d a b	b	si cl	-		<0.1	9	12	<0.1	0.98
K3219		586820	7093502		s+	30	d b <a	b	gr si cl	qms		<0.1	8	12	<0.1	1.31
K3220		586858.8	7093470	1028	s	25	d b a	b	si cl	qv	check K3221	<0.1	11	20	<0.1	2.65
K3221											check for K3220	<0.1	13	13	<0.1	4.46
DUP-3208	K3208											<0.1	201	153	0.19	2.54
												0.11	205	171	<0.1	2.92
K3220												<0.1	11	20	<0.1	2.65
DUP-3220												<0.1	11	17	<0.1	3

SAMPLE No	GPS W'PT	UTM COORDS EAST NORTH ELEV	LAND FORM	DEPTH MMI	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
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TRAVERSE 72 (MMI)
Upper Bear Creek
GRAND FORKS 1:50,000 115-0/14
Sampled: 10-Jul-01 By: AD & AF
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K3179	587008	7094050	944	S+	15	d b a	b	si	qms, tr p		<0.1	5	6	<0.1	<0.1
K3180	586967.8	7094078		S++	15	d a b	b	cl si	qms	check K3202	<0.1	3	6	<0.1	1.16
K3181	586931.6	7094111		S++	25	d a <b	b	cl si	mqs, qte		<0.1	12	13	<0.1	0.77
K3182	586892.5	7094141		S++	35	w b a	b yb	si cl	-	minor organics	<0.1	22	58	<0.1	3.99
K3183	586851.6	7094174	899	S++	40	w b <<org	yb	si	-		<0.1	113	108	<0.1	4.73
K3184	586814.5	7094203		S++	35	w b	yb	gr si	qv		0.2	169	231	<0.1	8.11
K3185	586771.1	7094234		S++	15	d b a <org	b	cl si	-		<0.1	17	51	<0.1	4.23
K3186	586727.2	7094278		S++	25	d b <a <org	b	si cl	-		<0.1	13	22	<0.1	1.73
K3187	586698.3	7094307	806	S++	25	d b <a <org	b	si cl	-		<0.1	6	19	<0.1	1.96
K3188	586659.7	7094335		S++	20	w b	b	s si cl	-		0.39	19	29	<0.1	3.03
K3189	586622	7094366		S++	20	d b <a	yb b	si	-		0.13	10	9	<0.1	4.93
K3190	586581	7094397		S++	25	w b org	yb b	si cl	qms		0.43	25	37	<0.1	3.29
K3191	586548.3	7094429	744	S++	25	d a b	b	si cl	qv		0.34	33	37	<0.1	1.13
K3192	586506	7094455		S++	35	w b <a	b	cl si	-		0.11	15	19	0.21	1.17
K3193	586468.5	7094491		S++	40	d b	b	cl si	-		0.26	12	17	0.11	1.11
K3194	586428.1	7094526		S++	40	d b a	b	gv si cl	qms		<0.1	15	19	0.11	1.6
K3195	586389.2	7094555	734	S++	15	d b org	b	si cl	-		<0.1	15	13	<0.1	0.82
K3196	586349.4	7094588		S++	20	w b a	b	si cl	-		0.13	20	21	0.13	1.32
K3197	586313.8	7094620		S++	35	w b a	b	gv cl si	qms		<0.1	23	18	0.14	1.31
K3198	586278	7094651		S++	20	d b a	b ob	si	qms		0.14	31	17	0.19	1.63
K3199	586233.7	7094684	701	S++	15	d a b	b	si	qv		<0.1	21	15	0.12	1.55
K3200	586199.8	7094714		S++	30	pf a b	b	gr si	qms	check K3203	<0.1	25	25	<0.1	1.03
K3201	586163.6	7094750	669	S++	25	w a b	b	si	qms		<0.1	15	14	0.11	0.49
K3180											<0.1	3	6	<0.1	1.16
K3202										check for K3180	<0.1	5	7	0.1	0.92
K3200											<0.1	25	25	<0.1	1.03
K3203										check for K3200	<0.1	27	24	0.24	1.22
DUP-3184											0.2	169	231	<0.1	8.11
											0.11	182	234	0.18	8.02
K3196]											0.13	20	21	0.13	1.32
DUP-3196											0.13	21	22	0.12	1.47

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

TRAVERSE K 76 GRAND FORKS 1:50,000 115-0/14
Hester and Independence Sampled: 16-Jul-01 By: AD & SK
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K3263X	594634.2	7093982	773m	f	20	b > a d	b g ob	si	qte		<0.1	5	9	0.11	6.95
K3264X	594658.3	7094019		s	15	b d	ob g	cl si	qv, qms		<0.1	9	16	<0.1	8.91
K3265X	594671.5	7094070		s	10	b > a d	ob b	cl si	qms, qv		<0.1	8	20	<0.1	11.5
K3266X	594688.3	7094114		s	15	b > a d	b ob	cl si	qms, qv		<0.1	10	19	<0.1	5.66
K3267X	594707.9	7094163	752m	s	20	b > a d	ob b	cl si	qms, qv		<0.1	12	19	<0.1	7.66
K3268X	594727.2	7094209		s	20	b c d	b	gv cl si	qms, qcars	poor b development	<0.1	9	20	<0.1	1.1
K3269X	594735	7094264		s	20	b d	ob yb	si	qms	off line due to road	<0.1	6	17	<0.1	1.92
K3270X	594755.6	7094305		s	20	b d	ob	si cl	qms, qv		<0.1	7	15	<0.1	3.14
K3271X	594769.8	7094349	739m	s	20	b > a d	ob b	si cl	-		<0.1	9	16	<0.1	5.49
K3272X	594789	7094400		s	20	b > a d	ob b	si cl	qms		<0.1	14	18	<0.1	2.05
K3273X	594799.9	7094447		s	15	b > a d	ob g	si cl	qv		<0.1	8	15	<0.1	3.45
K3274X	594817.4	7094487		s	30	b a d	b g ob	gr si cl	qms, qv		<0.1	16	19	<0.1	9.05
K3275X	594839.4	7094542	748m	s	20	b > a d	b ob	si cl	-		<0.1	19	27	<0.1	7.83
K3276X	594852.3	7094591		s	20	b > a d	ob b	cl si	qms, qv	hematite staining	<0.1	20	27	<0.1	8.31
K3277X	594873.8	7094636		s	15	b a org d	b ob	cl si	-		<0.1	40	29	<0.1	15.4
K3278X	594890.1	7094680		s	15	b > c d	b ob g	gv gr cl si	qv		<0.1	11	14	<0.1	6.49
K3279X	594903.1	7094730	733m	s	20	b > a > org d	yb ob	si cl	-		<0.1	14	17	<0.1	17.6
K3280X	594921.5	7094773		s	15	a b d	b ob	si cl	qv	check K3300X	<0.1	15	18	<0.1	4.43
K3281X	594939.8	7094825		s+	20	b < a d	b ob	si cl	qv		<0.1	15	18	<0.1	2.97
K3282X	594957.9	7094872		s+	20	b d	g ob	cl si	-		<0.1	7	17	<0.1	1.51
K3283X	594970.3	7094920	711m	s+	25	b d	ob g	cl si	qv		<0.1	20	35	<0.1	5.21
K3284X	594990.4	7094960		s+	10	b > > org d	b	cl si	qms		<0.1	15	20	<0.1	2.67
K3285X	595009.2	7095015		s+	20	b a d	b	gr si cl	qv, qms		<0.1	18	29	<0.1	1.77
K3286X	595031.3	7095058		s++	30	b org > c w	g b	gr si cl	qv		<0.1	46	27	<0.1	2.06
K3287X	595045.4	7095104	677m	s+	20	b w	ob b g	si cl	qms, p		0.25	57	40	<0.1	3.21
K3288X	595057.3	7095154		s+	20	b d	b	cl	-		<0.1	36	40	<0.1	0.9
K3289X	595070.9	7095201		s+	25	b d	b	cl	-		<0.1	45	42	<0.1	5.02
K3290X	595090.6	7095244		s	20	b w	g b	cl	-		0.22	30	43	<0.1	1.96
K3291X	595107.5	7095293		s	30	b w	b	cl	-		<0.1	33	42	<0.1	1.47
K3292X	595128.9	7095341		s	25	b > org w	b	cl	-		<0.1	32	41	<0.1	1.3
K3293X	595146.5	7095385		s	20	b w	b	cl	qms		0.12	61	69	<0.1	1.06
K3294X	595154.7	7095433		s	30	b w	b	cl	qms, lim		<0.1	62	102	<0.1	1.96
K3295X	595177.4	7095482	615m	s	20	b w	b	cl si	-		<0.1	35	67	<0.1	3.03
K3296X	595191.3	7095533		s	25	b w	b	si cl	-		<0.1	32	32	<0.1	1.47
K3297X	595206.9	7095575		s	25	b w	b	si cl	-		<0.1	16	82	<0.1	1.63
K3298X	595229.5	7095626		s	25	b > a d	b	si cl	-	off line due to road	<0.1	1	173	<0.1	4.1
K3299X	595230.2	7095671	598m	s	20	b > org d	b	si	-	off line due to road	<0.1	14	80	<0.1	8.09

K3280X											<0.1	15	18	<0.1	4.43
K3300X	check for K3280X										<0.1	19	24	<0.1	5.19

K3263											<0.1	5	9	0.11	6.95
DUP-K3263											<0.1	5	9	<0.1	6.13

K3275											<0.1	19	27	<0.1	7.83
DUP-K3275											<0.1	21	33	<0.1	6.09

K3287											0.25	57	40	<0.1	3.21
DUP-K3287											0.27	41	34	<0.1	1.83

K3299											<0.1	14	80	<0.1	8.09
DUP-K3299											<0.1	15	84	<0.1	9.31

SAMPLE No	GPS W'PT	UTM COORDS EAST NORTH ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	9993 Au ppb	2118 Ag ppm
TRAVERSE K76		GRAND FORKS 1:50,000 115-0/14										
Hester and Independence		Sampled: 16-Jul-01	By: AD & SK							Analysis Unit		
		Sample Interval (m): 50								Detection Limit	1	0.2
K3263X		594634.2 7093982 773m	f	25	b	si	qte				1	0.4
K3264X		594658.3 7094019	s	20	b	cl si	qv, qms				<1	0.6
K3265X		594671.5 7094070	s	15	b	cl si	qms, qv				1	0.2
K3266X		594688.3 7094114	s	20	b	cl si	qmser?s				2	0.2
K3267X		594707.9 7094163 752m	s	25	b	cl si	qcars, lim				1	0.6
K3268X		594727.2 7094209	s	20	b	gv cl si	qms, qcars	poor b development			12	1
K3269X		594735 7094264	s	25	b	si	qms	off line due to road			<1	0.2
K3270X		594755.6 7094305	s	25	b	si cl	qms, qv				1	0.2
K3271X		594769.8 7094349 739m	s	30	b	si cl	-				1	0.2
K3272X		594789 7094400	s	25	b	si cl	qms				3	0.2
K3273X		594799.9 7094447	s	15	b	si cl	qv				1	0.2
K3274X		594817.4 7094487	s	30	b	gr si cl	qms, qv				<1	0.4
K3275X		594839.4 7094542 748m	s	30	b	si cl	-				3	1
K3276X		594852.3 7094591	s	25	b	cl si	qsers, qv	hematite staining			1	0.2
K3277X		594873.8 7094636	s	25	b	cl si	-				1	0.8
K3278X		594890.1 7094680	s	20	b	gv gr cl si	qv				2	0.4
K3279X		594903.1 7094730 733m	s	30	b	si cl	-				1	0.6
K3280X		594921.5 7094773	s	30	b	si cl	qv	check K3300X			1	<0.2
K3281X		594939.8 7094825	s+	40	b	si cl	qv				1	<0.2
K3282X		594957.9 7094872	s+	25	b	cl si	-				4	<0.2
K3283X		594970.3 7094920 711m	s+	40	b	cl si	qv				3	0.2
K3284X		594990.4 7094960	s+	15	b	cl si	qms				2	<0.2
K3285X		595009.2 7095015	s+	30	b	gr si cl	qv, qms				6	<0.2
K3286X		595031.3 7095058	s++	40	b	gr si cl	qv				3	<0.2
K3287X		595045.4 7095104 677m	s+	25	b	si cl	qms, p				3	0.2
K3288X		595057.3 7095154	s+	30	b	cl	-				5	0.2
K3289X		595070.9 7095201	s+	25	b	cl	-				4	<0.2
K3290X		595090.6 7095244	s	30	b	cl	-				6	0.6
K3291X		595107.5 7095293	s	40	b	cl	-				4	0.6
K3292X		595128.9 7095341	s	30	b	cl	-				3	0.2
K3293X		595146.5 7095385	s	20	b	cl	qms				4	0.2
K3294X		595154.7 7095433	s	40	b	cl	qms, lim				3	0.2
K3295X		595177.4 7095482 615m	s	25	b	cl si	-				3	0.2
K3296X		595191.3 7095533	s	30	b	si cl	-				12	0.2
K3297X		595206.9 7095575	s	25	b	si cl	-				3	0.2
K3298X		595229.5 7095626	s	30	b	si cl	-	off line due to road			2	<0.2
K3299X		595230.2 7095671 598m	s	25	b	si	-	off line due to road			1	0.2
K3300X								check for K3280X			1	0.4

SAMPLE No
TRAVERSE K 76
Hester and Independence

	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134	2135
	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5
K3263X	0.56	196	<10	80	<0.5	<2	0.01	<0.5	1	7	5	1.31	<10	<1	0.03	10	0.07	40
K3264X	1.53	16	<10	250	<0.5	<2	0.06	<0.5	3	16	7	2.42	<10	<1	0.03	<10	0.28	140
K3265X	1.74	12	<10	180	<0.5	<2	0.06	<0.5	5	24	8	2.8	<10	<1	0.03	<10	0.42	195
K3266X	1.59	16	<10	190	<0.5	<2	0.17	<0.5	5	15	12	2.31	<10	<1	0.02	10	0.74	215
K3267X	2.13	62	<10	190	0.5	<2	0.07	<0.5	5	26	13	3.05	<10	<1	0.02	<10	0.26	155
K3268X	1.99	1815	<10	350	0.5	<2	0.03	<0.5	5	27	74	5.05	<10	<1	0.06	20	0.74	100
K3269X	0.84	66	<10	170	<0.5	<2	0.03	<0.5	1	7	3	1.19	<10	<1	0.05	<10	0.13	40
K3270X	1.24	42	<10	210	<0.5	<2	0.05	<0.5	3	15	5	1.91	<10	<1	0.04	<10	0.21	130
K3271X	1.7	26	<10	170	<0.5	<2	0.06	<0.5	4	26	6	2.95	<10	<1	0.04	<10	0.38	145
K3272X	1.12	40	<10	170	<0.5	<2	0.04	<0.5	3	16	9	1.69	<10	<1	0.04	<10	0.26	100
K3273X	0.94	64	<10	150	<0.5	<2	0.04	<0.5	3	11	6	1.52	<10	<1	0.06	<10	0.22	90
K3274X	1.05	56	<10	210	<0.5	<2	0.06	<0.5	2	14	4	1.9	<10	<1	0.04	<10	0.2	75
K3275X	1.73	22	<10	230	<0.5	<2	0.07	<0.5	5	27	10	2.71	<10	<1	0.04	<10	0.4	160
K3276X	1.09	70	<10	260	<0.5	<2	0.06	<0.5	3	11	5	1.71	<10	<1	0.04	<10	0.18	85
K3277X	1.27	16	<10	210	<0.5	<2	0.06	<0.5	3	13	4	1.76	<10	<1	0.04	<10	0.24	110
K3278X	1.33	36	<10	210	<0.5	<2	0.05	<0.5	3	17	6	2.39	<10	<1	0.04	<10	0.28	115
K3279X	1.47	30	<10	200	<0.5	<2	0.04	<0.5	4	20	6	2.37	<10	<1	0.05	<10	0.28	145
K3280X	1.64	16	<10	200	<0.5	<2	0.07	<0.5	4	27	8	2.38	<10	<1	0.04	<10	0.58	155
K3281X	1.52	16	<10	220	<0.5	<2	0.06	<0.5	4	18	6	2.12	<10	<1	0.04	<10	0.3	125
K3282X	0.95	38	<10	130	<0.5	<2	0.04	<0.5	2	11	8	1.49	<10	<1	0.05	<10	0.19	80
K3283X	1.28	18	<10	160	<0.5	<2	0.05	<0.5	4	18	8	1.92	<10	1	0.05	<10	0.26	120
K3284X	0.98	18	<10	170	<0.5	<2	0.05	<0.5	3	13	7	1.48	<10	<1	0.06	10	0.24	90
K3285X	0.93	12	<10	130	<0.5	<2	0.05	<0.5	3	14	6	1.37	<10	<1	0.06	<10	0.25	90
K3286X	1.31	18	<10	200	<0.5	<2	0.1	<0.5	5	24	12	1.97	<10	<1	0.04	10	0.41	140
K3287X	1.23	16	<10	320	<0.5	4	0.22	<0.5	5	23	16	1.86	<10	<1	0.04	10	0.47	170
K3288X	1.8	22	<10	370	<0.5	<2	0.19	<0.5	5	26	16	2.25	<10	<1	0.05	10	0.39	135
K3289X	1.19	24	<10	190	<0.5	<2	0.16	<0.5	4	19	9	1.74	<10	<1	0.05	10	0.33	100
K3290X	1.24	36	<10	300	<0.5	<2	0.15	<0.5	4	20	14	1.93	<10	<1	0.05	10	0.32	90
K3291X	1.31	20	<10	240	<0.5	<2	0.15	<0.5	4	25	12	1.83	<10	<1	0.03	<10	0.4	100
K3292X	1.35	20	<10	270	<0.5	<2	0.15	<0.5	4	25	12	1.93	<10	<1	0.03	<10	0.4	100
K3293X	1.13	16	<10	260	<0.5	<2	0.2	<0.5	5	21	14	1.89	<10	<1	0.03	10	0.36	120
K3294X	0.98	14	<10	250	<0.5	<2	0.2	<0.5	6	21	13	1.62	<10	<1	0.03	10	0.34	155
K3295X	1.19	14	<10	210	<0.5	<2	0.18	<0.5	5	22	12	1.85	<10	<1	0.03	10	0.33	105
K3296X	1.24	18	<10	290	<0.5	<2	0.21	<0.5	4	25	9	1.73	<10	<1	0.03	<10	0.36	95
K3297X	1.29	16	<10	380	<0.5	<2	0.3	<0.5	6	27	9	1.68	<10	<1	0.03	<10	0.4	170
K3298X	1.39	18	<10	300	<0.5	<2	0.38	<0.5	7	30	12	1.83	<10	<1	0.03	<10	0.43	245
K3299X	1.15	16	<10	180	<0.5	<2	0.27	<0.5	5	25	8	1.7	<10	<1	0.02	<10	0.38	120
K3300X	1.7	22	<10	190	<0.5	<2	0.08	<0.5	4	27	10	2.52	<10	<1	0.04	<10	0.62	155

SAMPLE No
TRAVERSE K 76
Hester and Independence

	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K3263X	1	<0.01	4	210	14	0.01	<2	<1	9	0.03	<10	<10	27	<10	18
K3264X	1	<0.01	8	240	14	<0.01	<2	1	9	0.04	<10	<10	46	<10	32
K3265X	1	<0.01	13	310	6	<0.01	<2	1	8	0.05	<10	<10	58	<10	34
K3266X	1	<0.01	8	800	4	<0.01	<2	1	11	0.02	<10	<10	20	<10	50
K3267X	2	<0.01	15	330	12	<0.01	2	2	9	0.03	<10	<10	74	<10	34
K3268X	9	<0.01	45	570	86	0.11	6	2	82	<0.01	10	<10	43	<10	100
K3269X	1	<0.01	4	100	14	<0.01	<2	<1	5	0.01	<10	<10	18	<10	8
K3270X	1	<0.01	7	180	12	<0.01	<2	1	8	0.03	<10	<10	42	<10	16
K3271X	1	<0.01	12	230	8	<0.01	<2	2	9	0.05	<10	<10	68	<10	30
K3272X	1	<0.01	9	90	10	<0.01	<2	1	7	0.03	<10	<10	32	<10	20
K3273X	1	<0.01	6	130	10	<0.01	<2	1	7	0.02	<10	<10	22	<10	20
K3274X	1	<0.01	6	270	10	<0.01	<2	1	8	0.03	<10	<10	48	<10	12
K3275X	4	<0.01	13	310	8	0.01	4	2	11	0.04	<10	<10	61	<10	30
K3276X	<1	<0.01	6	220	12	<0.01	<2	1	9	0.03	<10	<10	37	<10	16
K3277X	1	<0.01	6	200	8	<0.01	<2	1	8	0.03	<10	<10	39	<10	18
K3278X	1	<0.01	8	210	12	<0.01	<2	1	7	0.03	<10	<10	40	<10	24
K3279X	1	<0.01	9	250	10	<0.01	<2	1	7	0.03	<10	<10	47	<10	24
K3280X	1	<0.01	13	200	8	<0.01	<2	2	9	0.03	<10	<10	41	<10	36
K3281X	1	<0.01	10	130	10	<0.01	<2	2	8	0.03	<10	<10	37	<10	22
K3282X	1	<0.01	6	100	24	<0.01	<2	1	7	0.03	<10	<10	26	<10	26
K3283X	1	<0.01	9	140	10	<0.01	<2	1	7	0.03	<10	<10	32	<10	26
K3284X	1	<0.01	7	130	10	<0.01	<2	1	6	0.04	10	<10	26	<10	24
K3285X	1	<0.01	7	210	8	<0.01	<2	1	7	0.04	<10	<10	25	<10	22
K3286X	1	<0.01	12	200	10	<0.01	<2	3	10	0.04	<10	<10	37	<10	36
K3287X	1	<0.01	14	370	6	<0.01	<2	4	17	0.05	<10	<10	35	<10	38
K3288X	1	<0.01	14	410	10	0.01	<2	1	19	0.04	<10	<10	43	<10	42
K3289X	1	<0.01	11	390	6	<0.01	<2	2	13	0.05	10	<10	32	<10	36
K3290X	1	<0.01	11	370	8	<0.01	<2	2	15	0.04	<10	<10	34	<10	36
K3291X	1	<0.01	14	410	6	<0.01	<2	1	14	0.04	<10	<10	34	<10	36
K3292X	1	<0.01	13	400	6	0.01	<2	2	15	0.04	<10	<10	38	<10	36
K3293X	1	<0.01	13	500	6	<0.01	<2	3	17	0.04	<10	<10	36	<10	42
K3294X	1	<0.01	13	450	6	<0.01	<2	3	15	0.04	<10	<10	31	<10	32
K3295X	1	<0.01	14	500	2	<0.01	<2	2	16	0.03	<10	<10	34	<10	34
K3296X	2	<0.01	14	550	6	0.01	<2	2	16	0.03	<10	<10	34	<10	34
K3297X	1	<0.01	17	460	2	<0.01	<2	3	22	0.03	<10	<10	34	<10	36
K3298X	2	<0.01	20	440	2	<0.01	<2	3	26	0.04	<10	<10	38	<10	34
K3299X	1	<0.01	16	450	<2	<0.01	<2	2	18	0.04	<10	<10	36	<10	28
K3300X	1	<0.01	14	260	8	<0.01	<2	2	9	0.03	<10	<10	43	<10	44

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		
		EAST	NORTH	ELEV									
TRAVERSE K 77		GRAND FORKS 1:50,000 115-0/14										Scheme Code	
Hester and Independence		Sampled: 17-Jul-01					By: AD & SK						Analysis Unit
		Sample Interval (m): 50											

K3301X	594535.2	7094976	648m	s++	35	b>a>org d	b	cl si	-	check K3328X	<0.1	2	102	<0.1	13.4
K3302X	594586.8	7094949		s++	30	b>a d	b	si	-	mossy terrain with	<0.1	2	73	<0.1	5.2
K3303X	594623.5	7094925		s+	30	b>>org d	b	si cl	-	ferns and alders	<0.1	6	84	<0.1	13.9
K3304X	594668.5	7094913		s+	25	b>a d	b	cl si	-	see above	<0.1	2	103	<0.1	10.5
K3305X	594719.6	7094885	695m	s+	30	b>>org d	b	si cl	-	see above	<0.1	3	123	<0.1	10.1
K3306X	594754.7	7094862		s+	25	b>org w	b	si cl	-		<0.1	28	30	<0.1	0.54
K3307X	594802.2	7094841		s+	15	b d	b	si cl	-		<0.1	60	43	<0.1	5.34
K3308X	594847.6	7094823		s+	15	b d	ob	gr si	qv, lim		<0.1	8	15	<0.1	1.97
K3309X	594894.6	7094801	730m	s+	10	b d	b ob	cl si	-		0.17	6	11	0.1	9.79
K3310X	594939.4	7094778		s	20	b>>a d	b	si	-		0.13	10	15	<0.1	6.46
K3311X	594984.1	7094753		s	15	b d	ob b	si	qms		<0.1	10	11	<0.1	7.13
K3312X				s	20	b d	ob b	si cl	-						
K3313X	595069.8	7094709		r/s	20	b>>a d	b	gr si	qv, lim		<0.1	10	19	<0.1	8.28
K3314X	595119.4	7094684	750m	s	25	b w	b yb	si cl	qv		0.16	7	13	<0.1	7.53
K3315X	595162.6	7094666		s+	20	b d	b ob	si cl	qms, lim, qv		0.13	5	11	<0.1	4.85
K3316X	595208.7	7094637		s++	20	b>a d	b	si	qv		0.17	14	16	<0.1	7.25
K3317X	595255.9	7094623		s++	20	b d	g ob	si cl	-		0.13	29	44	<0.1	26.9
K3318X	595294.9	7094593	700m	s++	20	b>>a d	b	cl si	qms, ox		0.14	15	26	<0.1	6.22
K3319X	595343.5	7094569		s++	20	b d	b	gr cl si	qms		0.14	21	20	<0.1	6.9
K3320X	595385.9	7094558		s++	20	b>>a d	b gb	si	qms, qv, qcars?	check K3329X	0.14	10	14	<0.1	5.81
K3321X	595430.5	7094525		s++	20	b d	b	cl si	qms		0.12	18	23	<0.1	10.7
K3322X	595479.6	7094512	657m	s++	25	b d	b	cl si	qms, p		0.11	22	22	<0.1	12.1
K3323X	595520.2	7094481		s++	20	b d	b	si	-		<0.1	17	19	<0.1	6.03
K3324X	595562.7	7094468		s+	25	b>>org d	b	cl si	qv		<0.1	4	25	<0.1	7.75
K3325X	595611.3	7094441		s+	20	b>>a d	b	si	-		<0.1	8	9	<0.1	13
K3326X	595654.3	7094419	609m	s+	20	b>>org d	ob	s si	qms		<0.1	12	19	<0.1	27.1
K3327X	595698	7094409		s+	20	b>org>sk d	b	gr cl si	qms, qv, ox		<0.1	34	21	<0.1	8.16
K3301											<0.1	2	102	<0.1	13.4
K3328X		check for K3301X									0.18	3	116	<0.1	13.3
K3320											0.14	10	14	<0.1	5.81
K3329X		check for K3320X									0.11	21	19	<0.1	3.53
K3311											0.1	9	12	<0.1	13.5
DUP-K3311											0.11	11	16	<0.1	8.15
K3323											<0.1	17	19	<0.1	6.03
DUP-K3323											<0.1	14	16	<0.1	5.7

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	9993 Au ppb	2118 Ag ppm
		EAST	NORTH	ELEV										
TRAVERSE K 77		GRAND FORKS 1:50,000 115-0/14										Analysis Unit Detection Limit	1	0.2
Hester and Independence		Sampled: 17-Jul-01 By: AD & SK												
Sample Interval (m): 50														
K3301X		594535.2	7094976	648m	s++	45	b	b	cl si	-	check K3328X	10	0.2	
K3302X		594586.8	7094949		s++	40	b	b	si	-	mossy terrain with	2	0.2	
K3303X		594623.5	7094925		s+	40	b	b	si cl	-	ferns and alders	2	0.2	
K3304X		594668.5	7094913		s+	35	b	b	cl si	-	see above	3	0.2	
K3305X		594719.6	7094885	695m	s+	35	b	b	si cl	-	see above	6	0.4	
K3306X		594754.7	7094862		s+	30	b	b	si cl	-		3	<0.2	
K3307X		594802.2	7094841		s+	15	b	b	si cl	-		3	0.2	
K3308X		594847.6	7094823		s+	15	b	ob	gr si	qv, lim		4	0.2	
K3309X		594894.6	7094801	730m	s+	15	b	b ob	cl si	-		20	0.6	
K3310X		594939.4	7094778		s	25	b	b	si	-		1	0.2	
K3311X		594984.1	7094753		s	15	b	ob b	si	qms		1	0.4	
K3312X					s	20	b	ob b	si cl	-		2	0.8	
K3313X		595069.8	7094709	750m	r/s	25	b	b	gr si	qv, lim		2	0.2	
K3314X		595119.4	7094684		s	25	b	b yb	si cl	qv		1	0.8	
K3315X		595162.6	7094666		s+	25	b	b ob	si cl	qms, lim, qv		2	0.2	
K3316X		595208.7	7094637		s++	25	b	b	si	qv		29	0.2	
K3317X		595255.9	7094623	700m	s++	25	b	g ob	si cl	-		4	0.6	
K3318X		595294.9	7094593		s++	20	b	b	cl si	qms, ox		11	0.6	
K3319X		595343.5	7094569		s++	25	b	b	gr cl si	qms		1	0.4	
K3320X		595385.9	7094558		s++	30	b	b gb	si	qms, qv, qcars?	check K3329X	1	<0.2	
K3321X		595430.5	7094525	657m	s++	20	b	b	cl si	qms		1	0.2	
K3322X		595479.6	7094512		s++	25	b	b	cl si	qms, p		1	0.6	
K3323X		595520.2	7094481		s++	25	b	b	si	-		1	0.2	
K3324X		595562.7	7094468		s+	30	b	b	cl si	qv		2	0.4	
K3325X		595611.3	7094441	609m	s+	30	b	b	si	-		2	0.4	
K3326X		595654.3	7094419		s+	25	b	ob	s si	qms		1	0.6	
K3327X		595698	7094409	590m	s+	35	b	b	gr cl si	qms, qv, ox		<1	0.6	
K3328X											check for K3301X	4	0.2	
K3329X											check for K3320X	3	0.2	

SAMPLE
No
TRAVERSE K 77
Hester and Independence

	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134	2135	2136	2137
	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01
K3301X	1.11	14	<10	320	<0.5	<2	0.49	<0.5	7	20	17	2.01	<10	<1	0.05	<10	0.4	260	1	0.01
K3302X	1.21	14	<10	300	<0.5	<2	0.34	<0.5	8	23	15	2.29	<10	<1	0.08	<10	0.43	515	1	0.01
K3303X	1.25	14	<10	300	<0.5	<2	0.36	<0.5	8	23	18	2.28	<10	<1	0.07	<10	0.44	240	1	<0.01
K3304X	1.19	16	<10	260	<0.5	<2	0.4	<0.5	7	22	17	2.2	<10	<1	0.07	<10	0.45	225	1	0.01
K3305X	1.41	18	<10	440	0.5	<2	0.39	<0.5	8	23	21	2.24	<10	<1	0.05	10	0.41	360	1	0.01
K3306X	1.16	36	<10	220	<0.5	<2	0.14	<0.5	4	18	12	1.74	<10	<1	0.05	10	0.31	115	<1	<0.01
K3307X	1.09	24	<10	250	<0.5	<2	0.1	<0.5	5	20	14	1.92	<10	<1	0.04	10	0.34	170	1	<0.01
K3308X	1.11	48	<10	160	<0.5	<2	0.04	<0.5	3	16	11	1.64	<10	<1	0.05	<10	0.25	100	1	<0.01
K3309X	1.57	28	<10	210	<0.5	<2	0.06	<0.5	4	21	10	2.16	<10	<1	0.05	10	0.29	150	2	<0.01
K3310X	2.1	14	<10	170	<0.5	<2	0.07	<0.5	6	40	10	3.06	<10	<1	0.03	<10	0.85	205	1	<0.01
K3311X	1.65	14	<10	190	<0.5	<2	0.07	<0.5	4	24	8	2.65	<10	<1	0.03	<10	0.38	175	1	<0.01
K3312X	2	16	<10	230	<0.5	<2	0.08	<0.5	6	28	14	2.88	<10	<1	0.04	<10	0.42	215	1	<0.01
K3313X	1.34	40	<10	180	<0.5	<2	0.05	<0.5	4	21	7	1.98	<10	<1	0.03	<10	0.31	120	2	<0.01
K3314X	1.19	46	<10	230	<0.5	8	0.13	<0.5	5	20	11	2.21	<10	<1	0.05	<10	0.3	155	4	0.09
K3315X	1.08	86	<10	160	<0.5	<2	0.04	<0.5	2	12	4	1.61	<10	<1	0.05	<10	0.22	90	<1	<0.01
K3316X	0.92	120	<10	260	<0.5	<2	0.06	<0.5	2	9	4	1.21	<10	<1	0.06	<10	0.16	70	1	<0.01
K3317X	1.26	20	<10	200	<0.5	<2	0.06	<0.5	6	22	15	2.15	<10	<1	0.04	<10	0.38	140	1	<0.01
K3318X	1.01	86	<10	250	<0.5	<2	0.09	<0.5	4	15	7	1.81	<10	<1	0.07	<10	0.26	130	1	<0.01
K3319X	1.02	54	<10	220	<0.5	<2	0.05	<0.5	3	13	6	1.72	<10	<1	0.06	<10	0.25	100	1	<0.01
K3320X	0.94	64	<10	170	<0.5	<2	0.06	<0.5	3	13	5	1.65	<10	<1	0.05	<10	0.22	100	<1	<0.01
K3321X	1.19	50	<10	240	<0.5	<2	0.09	<0.5	4	18	9	1.81	<10	<1	0.06	10	0.38	130	<1	<0.01
K3322X	1.11	30	<10	150	<0.5	<2	0.07	<0.5	4	18	7	1.82	<10	<1	0.04	<10	0.3	110	1	<0.01
K3323X	1.16	40	<10	180	<0.5	<2	0.08	<0.5	3	15	5	1.69	<10	<1	0.04	<10	0.28	110	1	<0.01
K3324X	1.04	32	<10	250	<0.5	<2	0.12	<0.5	4	17	8	1.71	<10	<1	0.05	<10	0.3	120	1	<0.01
K3325X	0.69	32	<10	190	<0.5	<2	0.14	<0.5	2	11	3	1.23	<10	<1	0.06	<10	0.23	90	<1	<0.01
K3326X	0.79	78	<10	280	<0.5	<2	0.08	<0.5	2	8	6	1.21	<10	<1	0.06	10	0.22	65	1	<0.01
K3327X	0.76	160	<10	320	<0.5	<2	0.08	<0.5	2	7	7	1.3	<10	<1	0.06	10	0.22	110	2	<0.01
K3328X	1.03	14	<10	350	<0.5	<2	0.47	<0.5	6	19	17	1.94	<10	<1	0.04	<10	0.37	265	1	0.01
K3329X	0.83	62	<10	160	<0.5	<2	0.05	<0.5	2	11	3	1.41	<10	<1	0.05	<10	0.2	80	1	<0.01

SAMPLE No
TRAVERSE K 77
Hester and Independence

	2138 Ni ppm	2139 P ppm	2140 Pb ppm	551 S %	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2144 Ti %	2145 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K3301X	18	680	4	0.01	<2	3	28	0.04	<10	<10	38	<10	50
K3302X	20	590	2	0.01	<2	3	21	0.04	10	<10	42	<10	48
K3303X	22	650	4	<0.01	4	3	20	0.04	<10	<10	39	<10	46
K3304X	20	710	2	<0.01	<2	3	24	0.05	<10	<10	39	<10	50
K3305X	19	410	8	<0.01	2	3	27	0.04	<10	<10	41	<10	44
K3306X	11	240	10	<0.01	<2	2	12	0.04	<10	<10	32	<10	34
K3307X	14	200	8	<0.01	<2	2	12	0.05	<10	<10	37	<10	36
K3308X	9	110	16	<0.01	2	1	8	0.04	<10	<10	29	<10	32
K3309X	10	140	12	<0.01	2	2	9	0.03	10	<10	42	<10	28
K3310X	19	260	8	<0.01	2	3	7	0.05	<10	<10	56	<10	44
K3311X	11	300	6	<0.01	2	2	8	0.05	<10	<10	65	<10	28
K3312X	18	250	10	<0.01	6	3	9	0.04	<10	<10	60	<10	36
K3313X	13	180	6	<0.01	2	1	13	0.02	<10	<10	46	<10	30
K3314X	10	190	12	<0.01	22	1	2	0.03	<10	<10	44	<10	40
K3315X	6	130	8	<0.01	<2	1	5	0.02	10	<10	32	<10	18
K3316X	6	100	10	<0.01	<2	<1	6	0.01	<10	<10	22	<10	12
K3317X	17	80	6	<0.01	2	3	8	0.04	<10	<10	39	<10	32
K3318X	10	290	12	<0.01	<2	1	11	0.03	<10	<10	39	<10	24
K3319X	8	150	8	<0.01	<2	1	7	0.03	<10	<10	33	<10	24
K3320X	8	180	8	<0.01	<2	1	7	0.03	<10	<10	39	<10	20
K3321X	12	100	12	<0.01	<2	2	10	0.03	<10	<10	32	<10	28
K3322X	11	110	8	<0.01	<2	1	9	0.04	10	<10	38	<10	22
K3323X	9	140	12	<0.01	2	1	9	0.03	<10	<10	40	<10	24
K3324X	11	110	10	<0.01	<2	1	11	0.03	<10	<10	35	<10	28
K3325X	6	80	18	<0.01	<2	<1	12	0.03	10	<10	27	<10	20
K3326X	6	170	8	<0.01	<2	<1	30	0.01	10	<10	19	<10	26
K3327X	6	240	24	<0.01	<2	1	24	0.01	<10	<10	15	<10	38
K3328X	18	640	2	0.01	2	2	27	0.04	<10	<10	35	<10	44
K3329X	7	140	6	<0.01	<2	1	6	0.03	10	<10	31	<10	16

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL		COMMENTS	Scheme Code	Au	Co	Ni	Pd	Ag	
		EAST	NORTH	ELEV					COMPOSITION	ROCKS			MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	
TRAVERSE K 78		GRAND FORKS 1:50,000 115-0/14											Analysis Unit	ppb	ppb	ppb	ppb	ppb
		Sampled: MMI			By: P.L.								Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): 50																
K2084		585299.5	7091719	716	S++	15 d a b org	b,yb	gr cl	qms				0.2	46	34	<0.1	15.5	
K2085		585264.9	7091760		S++	15 d a b org	b/yb	gr cl	qms	quartz eyes			<0.1	53	22	<0.1	8.45	
K2086		585239.2	7091786		S++	15 d b org	yb	cl si	qms				0.39	38	48	<0.1	5.15	
K2087		585192	7091829		S++	15 d b org	rb	s si	qv,qms				0.11	21	17	<0.1	3.92	
K2088		585152.9	7091866	754	S++	15 d b org	ob	gr cl	qms,qv				<0.1	18	12	<0.1	3.6	
K2089		585123.3	7091899		S++	15 d b a org	yb,b	gr cl si	qms				<0.1	9	5	<0.1	1.56	
K2090		585085.7	7091936		S++	15 w b	yb	si cl	qsers	check 1-K2107			<0.1	13	16	<0.1	3.33	
K2091		585048.9	7091973		S++	15 w b	yb	si cl	qv,qsers				0.12	11	7	<0.1	3.84	
K2092		585013.7	7092003	795	S++	20 d b	rb	cl si	qms,qv				<0.1	16	11	<0.1	3.27	
K2093		584977.7	7092038		S++	20 d b	yb	si cl	qv				0.25	18	14	<0.1	3.54	
K2094		584942.6	7092075		S++	15 d b a org	yb,b	si cl	qms				<0.1	14	7	<0.1	4.63	
K2095		584904.7	7092112		S+	15 d b	yb	cl si	qv,qsers				<0.1	11	13	<0.1	25.4	
K2096		584869.0	7092150	861	S+	15 d b	yb	s si	qms,ox				<0.1	22	30	<0.1	11.1	
K2097		584835.9	7092187		S+	15 d b	ob	gr cl si	qsers				<0.1	11	8	<0.1	11.9	
K2098		584792	7092225		S+	20 d b org	yb	si cl	qsers				<0.1	9	6	<0.1	10.8	
K2099		584761.2	7092254		S+	15 w b	yb	si cl	qsers				0.18	19	17	<0.1	16.8	
K2100		584730.0	7092290	902	S+	20 w b	yb	gr si cl	sers,qv				<0.1	7	7	<0.1	46.1	
K2101		584700.8	7092329		S++	15 d b org	ob	si cl	qv				<0.1	11	10	<0.1	9.6	
K2102		584663.1	7092371		S+	15 d b	rb	cl si	qte,ser				0.1	1	8	<0.1	7.79	
K2103		584631.6	7092399		S	20 w b	rb	cl	qsers	crenulated			<0.1	9	11	<0.1	5.33	
K2104		584594.7	7092438	929	S	20 d b	rb	cl	qte,p,ox				<0.1	6	6	<0.1	2.45	
K2105		584560.2	7092472		R	15 d b	rb	si cl	qv,qte,ser				<0.1	5	10	<0.1	12.5	
K2106		584527.7	7092507	929	R	15 d b org	ob	si cl	qte,ser	quartz eyes			<0.1	3	6	<0.1	8.61	
K2090													<0.1	13	16	<0.1	3.33	
K2107													<0.1	12	17	<0.1	2.87	
K2084													0.2	46	34	<0.1	15.5	
DUP-K2084													0.2	51	31		13.4	
K2096													<0.1	22	30	<0.1	11.1	
DUP-K2096													<0.1	22	34		11	

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
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LINE K79 GRAND FORKS 1:50,000 115-0/14
Gavin Gulch Road Sampled: 10-Jul-01 By: P.L., A.D.
Sample Interval (m): 50 m

Scheme Code
Analysis Unit
Detection Limit

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

K2211	K2211	585255.7	7092946	951	s++	15	b d	rb	gr si cl	q te ser		<0.1	6	7	<0.1	9.16
K2212	K2212	585214.8	7092981		s+	15	ba d	gb b	gr si cl	q ser s		0.16	11	9	<0.1	2.27
K2213	K2213	585174	7093010		s+	15	b <org d	y b	gr si cl	qv q ser s ox		<0.1	8	14	<0.1	4
K2214	K2214	585132.7	7093039		s	15	ba d	y b	gr si cl	qte ser p ox		<0.1	8	9	<0.1	2.08
K2215	K2215	585091.1	7093070	979	r	15	ba d	gb y b	gr si cl	qte ser	qtz carbonate?	<0.1	3	6	<0.1	2.95
K2216	K2216	585052.5	7093098		r	15	ba <org sk c	gb b	gv si cl	q ser s		<0.1	9	4	<0.1	0.53
K2217	K2217	585011.8	7093125		s	15	b d	y b	gr si cl	q ser s		<0.1	4	<3	<0.1	1.64
K2218	K2218	584971.8	7093157		s	15	b d	rb	gr si cl	qte ser ox p		0.29	16	6	<0.1	2.83
K2219	K2219	584936.2	7093190	961	s++	20	bad sk	gb b	gv si cl	qte ser		<0.1	6	<3	<0.1	3.69
K2220	K2220	584891.1	7093223		s+	20	bad	y b	gr si cl	q ser s		<0.1	18	17	<0.1	1.76
K2221	K2221	584852.9	7093246		s++	25	b <a d	gb b	gr si cl	q ser s		<0.1	15	20	<0.1	3.78
K2222	K2222	584811.4	7093271		s+	20	a <b w	y b	gv si cl	q ser s		0.25	25	21	<0.1	4.06
K2223	K2223	584773.8	7093310	911	s+	20	b <org w	y b	gr si cl	q ser s		<0.1	29	41	<0.1	4.13
no sample	no sample										spring run-off channel					
no sample	no sample										spring run-off channel					
K2224	K2224	584653.7	7093396		s+	25	b <a w	gb	gr si cl	q ser s ox		0.14	49	37	<0.1	4.45
K2225	K2225	584609.3	7093423	879	s+	30	b org w	gb	gr si cl	qv ox q ser s ox		0.35	11	41	<0.1	5
K2226	K2226	584569.7	7093458		s	35	b pf	gb	si cl	no rock		<0.1	25	38	<0.1	4.18
K2220																
K2227	K2227										check for K2220	<0.1	18	17	<0.1	1.76
												<0.1	17	20	<0.1	2.32
DUP-2213	K2213	<0.1	8	12	<0.1	3.77						<0.1	8	14	<0.1	4
												<0.1	8	12	<0.1	3.77
K2225												0.35	11	41	<0.1	5
DUP-2225		0.39	13	40	<0.1	6.06						0.39	13	40	<0.1	6.06

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au MMI-B	Co MMI-B	Ni MMI-B	Pd MMI-B	Ag MMI-B
TRAVERSE K 82		GRAND FORKS 1:50,000 115-0/14										Analysis Unit	ppb	ppb	ppb	ppb	ppb
		Sampled: MMI			By: P.L.							Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): June 28-01															
K2037		586578.1	7091721	883 S		15 d b org	y b	s c l si	qte,m,p	quartz eyes			<0.1	8	21	<0.1	5.9
K2038		586570.5	7091767	S		15 d b org	y b	s c l si	qte, m,p, ox, ser				<0.1	11	45	<0.1	14.2
K2039		586554.4	7091816	S		20 d b	g,b	gr si cl	qms,ox				<0.1	35	60	<0.1	10.8
K2040		586539.4	7091864	S		20 d b	y b	gr si cl	qms	check 1- K2054			0.18	55	22	<0.1	9.33
K2041		586527.8	7091913	871 S		20 d b	y b	si cl	qv				<0.1	24	19	<0.1	8.49
K2042		586519	7091965	S		20 d a org	b		qms,ox				<0.1	17	10	<0.1	1.5
K2043		586514.2	7092014	S++		20 d b org	y b	cl si	qv,p,ox,m				0.12	23	23	<0.1	13.7
K2044		586498.7	7092060	S++		15 d b org	y b	cl si	qv				<0.1	138	125	<0.1	6.92
K2045		586485.1	7092106	863 S+		25 d b c org	y b	gr s si	qte,m,ox	poor B developed			0.14	28	30	<0.1	18.6
K2046		586467.7	7092156	S+		20 d b org	b	si cl	-				<0.1	13	40	<0.1	8.62
K2047		586447.6	7092205	S+		30 d a >b	b,gb		-				0.11	3	69	<0.1	0.3
K2048		586431.2	7092249	S++		30 pf a b org	b	cl si	qms,ox				0.13	50	67	<0.1	2.56
K2049		586418.1	7092302	851 S++		30 d a >org	b	cl si	-				0.34	61	83	0.1	1.52
K2050		586405.7	7092352	S++		30 d a b org	b	cl si	qms,qv	check 2-K2055			0.17	6	55	0.1	1.88
K2051		586391.7	7092403	S++		30 d b org	b	cl si	qms				0.34	69	42	<0.1	5.73
K2052		586389.9	7092449	S++		25 d b	b	cl si	qms, quartz eyes				0.43	16	19	<0.1	2.18
K2053		586397.1	7092492	848 S++		30 d b c	y b	si s	qms				0.26	14	23	0.2	2.94
K2040													0.18	55	22	<0.1	9.33
K2054										check of K2040			0.14	26	17	<0.1	8.89
K2050													0.17	6	55	0.1	1.88
K2055										check of K2050			0.25	7	53	<0.1	2.32
K2037													<0.1	8	21	<0.1	5.9
DUP-K2037													<0.1	8	17	<0.1	6.61
K2049													0.34	61	83	0.1	1.52
DUP-K2049													0.31	54	75	<0.1	1.78

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
LINE K 83		GRAND FORKS 1:50,000 115-0/14									
Homestake Gulch		Sampled: 29-Jun-01			By: A.D. Al D.						
		Sample Interval (m): 50 m									
K3000		587323.6	7092457	1052	f	15	b<org d	b	cl	qv	
K3001		587308	7092410		f	15	b org d	b ob	cl si	qms	
K3002		587279.7	7092370		s	25	b org	b yb	cl si	qv	
K3003		587260.2	7092323		s	30	b org w	yb	si cl	qv	
K3004		587237.4	7092275	1024	s	20	b	ob	si cl	qv	
K3005		587219.4	7092230		s	20	b org	ob b	cl	qms	
K3006		587201	7092185		s+	15	b org	ob	cl	qms	
K3007		587180.1	7092140		s+	20	b org d	ob	si cl	qms	
K3008		587156.7	7092092	991	s+	25	b org d	ob	si cl	qv	
K3009		587140.6	7092048		s+	20	org	b	si cl		all organics
K3010		587114.1	7091999		s+	10	b org d	b	si cl	qv	
K3011		587090.1	7091954		s+	20	b org	g yb	cl si	qv	
K3012		587069.9	7091914	932	s+	20	b<org d	yb	cl si	qms	
K3013		587043.2	7091871		s++	15	b<org	ob	cl si	qv	
K3014		587026.6	7091825		s++	25	b<org	yb	si cl	qv	
K3015		587002.7	7091778		s+	15	b	yb	si cl	qv	
K3016		586987.9	7091732	892	s++	10	b<org	yb	gr si	qms	
K3017		586965.1	7091680		s+	15	b org	b	cl si	mqms	
K3018		586946	7091640		s+	10	b org	b	cl si	qv	
K3019		586921.8	7091594		s++	15	b org	ob	gr si	qms	qms outcrop
K3020		586905.2	7091547	832	s+	10	b org	yb	si	qms	
K3021		586883.2	7091504		s++	20	b<org	ob	si cl	qv	
K3022		586861.2	7091472		s+	10	b<org	yb	gr si	qv	
K3023		586840.2	7091415		s+	15	b<org	ob	gr si cl	qms	
K3024		586822.7	7091364	816	s++	10	b	yb	gr si	mqms	
K3025		586795.5	7091321	n/a	s++	15	b<org	ob	si	qms	

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
<0.1	11	17	<0.1	2.1
<0.1	11	3	<0.1	0.32
<0.1	6	<3	<0.1	0.68
<0.1	10	7	<0.1	2.22
<0.1	7	<3	<0.1	5
<0.1	14	13	<0.1	2.46
<0.1	71	4	<0.1	7.41
<0.1	94	33	<0.1	11.6
<0.1	9	<3	<0.1	19.5
0.8	7	22	<0.1	3.51
0.1	3	29	<0.1	5.57
<0.1	8	9	<0.1	13.2
0.1	13	12	<0.1	10.3
0.12	20	14	<0.1	21.9
<0.1	17	21	<0.1	8.88
<0.1	27	22	<0.1	29.9
<0.1	16	31	<0.1	13.8
<0.1	4	32	<0.1	14.3
<0.1	4	51	<0.1	37.7
0.25	8	13	<0.1	10.9
<0.1	4	15	<0.1	6.56
<0.1	5	14	<0.1	16.4
0.13	5	19	<0.1	24.7
<0.1	18	17	<0.1	13.2
<0.1	15	21	<0.1	31.1
<0.1	3	32	<0.1	18
0.25	8	13	<0.1	10.9
0.12	6	41	<0.1	27.4
<0.1	11	17	<0.1	2.1
<0.1	9	16	<0.1	2.1
0.1	13	12	<0.1	10.3
<0.1	14	10	<0.1	12
<0.1	15	21	<0.1	31.1
<0.1	12	18	<0.1	28.1

check for 3019

SAMPLE No	GPS W'PT	UTM COORDS EAST NORTH ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
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TRAVERSE K 84
 Bear Creek Road
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 19-Jul-01 By: AD & AF
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

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

K3376	587441.9	7092505	1048	s	10	a<b d	b yb	gr cl si	qms ox		<0.1	13	18	<0.1	2.51
K3377	587471.1	7092540		s+	20	ab d	b yb	cl si	qms ox qv		<0.1	14	15	<0.1	0.3
K3378	587512.3	7092563		s++	15	b<a d	ob b	cl si	qv ox		<0.1	8	15	<0.1	0.96
K3379	587552.1	7092596		s++	10	b sk<a d	yb	gv gr cl si	qv qns		0.16	14	21	0.12	4.5
K3380	587592.9	7092625	1017	s++	20	ba d	b yb	s si	qms ox	check K3400	0.18	8	18	<0.1	3.51
K3381	587631	7092663		s++	10	b<a d	b g ob	si cl	qms ox		<0.1	17	19	<0.1	1.36
K3382	587674.2	7092687		s++	10	b d	g ob	gv si	qv qms ox		<0.1	7	23	<0.1	1.84
K3383	587701.9	7092723		s++	15	ba<org	g ob b	cl si	n/a		<0.1	13	23	<0.1	1.52
K3384	587747.8	7092757	972	s++	10	b<a d	b	si cl	qms		0.13	18	24	0.14	2.28
K3385	587785.9	7092785		s++	10	b sk d	b	gv gr s si cl	qms ox qv		0.13	8	18	<0.1	4.98
K3386	587822.4	7092816		s++	10	b d	g<ob	gv gr si	qv qms		<0.1	1	18	<0.1	26.3
K3387	587865.3	7092850		s++	15	b d	yb	gv gr si	qmers qv	silicified	0.1	2	18	<0.1	19.8
K3388	587909.1	7092884	938	s++	15	a b <org d	b ob	si	qmers	silicified	0.23	1	14	<0.1	19.5
K3389	587947.6	7092927		s++	10	b a d	b	si	qms ser		<0.1	3	17	<0.1	7.57
K3390	587982.6	7092953		s++	10	b <a d	g ob b	gr cl si	qms qv		0.13	3	16	<0.1	9.85
K3391	588025.7	7092965		s+	15	b d	b <ob	si s cl	qms qv	off line, edge trench	0.11	2	12	0.14	20.8
K3392	588094.1	7093048	922	r	10	b <org d	ob b	cl si	qms qv		<0.1	7	7	<0.1	2.18
K3392A	588054.7	7093018													
K3393	588133.6	7093071		r	10	b d	ob	qv cl si	qms qv		<0.1	2	6	<0.1	2.14
K3394	588174.7	7093105		r	10	b d	ob	si	qms		<0.1	5	9	<0.1	9.48
K3395	588209	7093139		r	10	b d	b ob	si	qms		<0.1	3	8	<0.1	1.75
K3396	588245.4	7093173	924	r	10	a b d	b ob	cl si	qms		<0.1	<1	12	<0.1	1.54
K3397	588286.4	7093210		r	10	b <a d	b ob	si	qms qv		<0.1	2	11	<0.1	1.79
K3398	588327	7093242		r	10	b d	g ob	si	qms		<0.1	3	10	<0.1	3.5
K3399	588367.2	7093274	920	r	10	a b d	b g <ob	cl si	qv ox		<0.1	4	12	<0.1	2.35
K3380											0.18	8	18	<0.1	3.51
K3400										check for K3380	0.13	6	11	<0.1	2.24
K3383											<0.1	13	23	<0.1	1.52
DUP-K3383											0.18	11	20	0.1	1.5
K3391											0.11	2	12	0.14	20.8
DUP-K3391											0.13	2	14	<0.1	22.4

Mainly quartz muscovite schist, 150m section of sericite altered and silicified rock, non-foliated, no textures visible. Quartz carbonate schist in trench near station which was skipped due to trench.

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	9993
TRAVERSE K 84		EAST	NORTH	ELEV									
Bear Creek Road		GRAND FORKS 1:50,000 115-0/14											Au
		Sampled: 19-Jul-01			By: AD & AF							Analysis Unit	ppb
		Sample Interval (m): 50										Detection Limit	1
K3376		587441.9	7092505	1048	s	20	b			qms ox			2
K3377		587471.1	7092540		s+	30	b			qms ox qv			2
K3378		587512.3	7092563		s++	20	b			qv ox			2
K3379		587552.1	7092596		s++	15	b			qv qms			2
K3380		587592.9	7092625	1017	s++	35	b			qms ox	check K3400		9
K3381		587631	7092663		s++	15	b			qms ox			3
K3382		587674.2	7092687		s++	25	b			qv qms ox			4
K3383		587701.9	7092723		s++	20	b			n/a			3
K3384		587747.8	7092757	972	s++	20	b			qms			44
K3385		587785.9	7092785		s++	20	b			qms ox qv			6
K3386		587822.4	7092816		s++	15	b			qv qms			5
K3387		587865.3	7092850		s++	15	b			qmers qv	silicified		2
K3388		587909.1	7092884	938	s++	20	b			qmers	silicified		17
K3389		587947.6	7092927		s++	25	b			qms ser			5
K3390		587982.6	7092953		s++	20	b			qms qv			8
K3391		588025.7	7092965		s+	20	b			qms qv	off line, edge trench		6
no sample											middle of trench		
K3392		588094.1	7093048	922	r	15	b			qms qv			1
K3393		588133.6	7093071		r	15	b			qms qv			1
K3394		588133.6	7093071		r	15	b			qms			1
K3395		588174.7	7093105		r	10	b			qms			1
K3396		588209	7093139	924	r	15	b			qms			<1
K3397		588245.4	7093173		r	15	b			qms qv			1
K3398		588286.4	7093210		r	10	b			qms			6
K3399		588327	7093242	920	r	20	b			qv ox			2
K3400		588367.2	7093274								check for K3380		8

Mainly quartz muscovite schist, 150m section of sericite altered and silicified rock, non-foliated, no textures visible. Quartz carbonate schist in trench near station which was skipped due to trench.

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

LINE K 85
Upper last chance
Sample Interval (m): 50m

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

Sampled: 05-Jul-01

By: A.D A/D

Scheme Code
Analysis Unit
Detection Limit

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

K3071	589455.1	7091229	967	s	25	ba	ob yb	s si cl	qms			<0.1	6	13	<0.1	2.29
K3072	589443.4	7091179	972	s	15	a<b sk	ob yb	gr si cl	qms			0.48	4	16	<0.1	1.84
K3073	589433.9	7091134		s	30	b<<a	ob g	si cl	qms			<0.1	4	8	<0.1	3.56
K3074	589425.1	7091081		s	30	ba	b	si cl	qms			0.2	12	11	<0.1	2.71
K3075	589421.8	7091032	988	s	30	a<b	b	si cl	qms			<0.1	10	9	<0.1	3.57
K3076	589410.1	7090980		s	25	b	b	si cl	qms			0.12	7	11	<0.1	5.11
K3077	589400.1	7090925		s	30	ab	b	si cl	qms			0.19	8	18	<0.1	3.71
K3078	589395	7090882		s	30	b<<a	yb	si cl	qms			0.2	10	22	<0.1	9.69
K3079	589392.2	7090835	998	s	25	ba	b	cl si	qte			0.21	21	30	<0.1	3.77
K3080	589379.9	7090786		s	20	b	ob	cl si	qv			0.5	5	38	<0.1	15.6
K3081	589374.2	7090736		s	10	b	b	cl si	qms			0.49	16	27	<0.1	11.1
K3082	589373.1	7090683		s	10	ab	b	cl si	qv			0.44	11	23	0.13	0.77
K3083	589363.5	7090633	1017	s	10	b	ob	cl si	qms			0.41	7	14	<0.1	29.9
K3084	589350.9	7090586		s	10	b<<a	ob	si	qms			0.31	7	5	<0.1	3.75
K3085	589338.8	7090541		s	15	ba	b	cl si	qms			0.16	10	10	<0.1	30.9
K3086	589326.3	7090489		s	15	ab	b g	cl	qms			0.1	14	14	<0.1	8.8
K3087	589321.5	7090436	n/a	s	15	ab sk	b	si cl	no rocks			0.26	5	6	<0.1	5.02
K3088	589315.7	7090389		s	20	ab	b	si cl	qms			0.1	7	<3	<0.1	1.24
K3089	589303.1	7090341		s	20	ba	b ob	si cl	qms			0.26	6	<3	<0.1	9.11
K3090	589293.7	7090294	1043	f	10	b<a	ob g	cl si	qv			<0.1	10	<3	<0.1	145
K3080												0.5	5	38	<0.1	15.6
K3091										check for 3080		0.53	4	29	<0.1	17.2
K3074												0.2	12	11	<0.1	2.71
DUP-3074												0.4	13	14	<0.1	2.27
K3086												0.1	14	14	<0.1	8.8
DUP-3086												0.1	12	14	<0.1	9.59

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

TRAVERSE 86
Last Chance
Sampled: July 6/01
Sample Interval (m): 50 m
By: PL & AF

Scheme Code
Analysis Unit
Detection Limit

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

K2156	591551.8	7092346	n/a	s++	30	ab pf	b yb	gr si cl	carb s		0.41	16	42	<0.1	6.51
K2157	591530.1	7092296		s++	20	b w	y b	gr si cl	q swe s ox		0.16	19	35	<0.1	8.36
K2158	591518.4	7092248		s++	25	b w	y b	gr si cl	qte ser p ox		0.15	12	15	<0.1	2.77
K2159	591514.8	7092218		s++	25	b w	y b	gr si cl	qte ser p ox		0.24	31	25	<0.1	7.77
K2160	591494.6	7092152	n/a	s++	30	ba w	y b b	gr si cl	qte ser p ox	check K2178	0.15	22	32	<0.1	9.03
K2161	591480.2	7092104		s++	25	b w	y b	gr si cl	carb qte banded		<0.1	31	34	<0.1	6.22
K2162	591469.9	7092051		s++	25	b w	gb	gr si cl	carb qte pox		1.55	35	358	<0.1	32.6
K2163	591455.5	7092005		s++	25	b w	gb	gr si cl	carb qte pox		0.23	22	44	<0.1	29.4
K2164	591437.7	7091958	n/a	s+	30	ba w	y b b	gr si cl	q ser s		0.4	42	126	<0.1	30
K2165	591427.3	7091909		s	30	ba w	y b b	gr si cl	carb qte pox		0.13	18	50	<0.1	14.3
K2166	591414.2	7091862		s	30	ba w	gb	gr si cl	carb qs		0.25	28	73	<0.1	18.8
K2167	591403.3	7091813		s	20	ba w	y b	gv si cl	carb qte pox		0.47	41	291	<0.1	17.2
K2168	591389.1	7091765	n/a	s	25	b w	y b	gr si cl	q ser s pox		0.35	28	99	<0.1	22
K2169	591379.6	7091714		s+	20	b w	gb	gr si cl	carb qte pox		0.2	32	80	<0.1	12.7
K2170	591365.4	7091668		s+	30	b f	gb	gv si cl	s ox qv hem		<0.1	11	22	<0.1	3.54
K2171	591354	7091618		s++	35	ba f	gb	gr si cl	carb qte pox		<0.1	148	124	<0.1	41.7
K2172	591339.3	7091571		s++	25	ba pf	b yb	si cl	n/a		<0.1	10	12	<0.1	2.87
K2173	591323.1	7091523	n/a	s+	40	a f	b	cl	n/a	strong permafrost	0.12	11	11	<0.1	2.21
K2174	591311.1	7091473		s++	45	a f	b	cl	q ser s	strong permafrost	0.18	8	10	<0.1	1.44
K2175	591297.2	7091426		s++	20	ba w	y b b	gv si cl	qte ser		<0.1	7	4	<0.1	1.44
K2176	591286.9	7091374	n/a	s++	25	ba w	y b b	gv si cl	qms ox		0.14	13	13	<0.1	2.93
K2177	591267.9	7091332		s+	30	ab w	b yb	gr si cl	qte ser		<0.1	13	13	<0.1	2.23
K2178										check for K2160	0.18	17	27	<0.1	10.4

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH -80	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	9993	2118	
		EAST	NORTH	ELEV									Au	Ag	
TRAVERSE 86		GRAND FORKS 1:50,000 115-0/14													
Last Chance		Sampled: July6/01			By: PL & AF								Analysis Unit		
		Sample Interval (m): 50 m											Detection Limit		
K2156		591551.8	7092346			35	b			carb s			3	<0.2	
K2157		591530.1	7092296			20	b			q swe s ox			2	<0.2	
K2158		591518.4	7092248			25	b			qte ser p ox			1	<0.2	
K2159		591514.8	7092218			25	b			qte ser p ox			3	0.2	
K2160		591494.6	7092152			35	b			qte ser p ox	check K2178		2	<0.2	
K2161		591480.2	7092104			25	b			carb qte banded			4	<0.2	
K2162		591469.9	7092051			25	b			carb qte pox			6	0.2	
K2163		591455.5	7092005			25	b			carb qte pox			5	<0.2	
K2164		591437.7	7091958			30	b			q ser s			3	<0.2	
K2165		591427.3	7091909			35	b			carb qte pox			4	<0.2	
K2166		591414.2	7091862			30	b			carb qs			2	<0.2	
K2167		591403.3	7091813			25	b			carb qte pox			3	<0.2	
K2168		591389.1	7091765			25	b			q ser s pox			2	<0.2	
K2169		591379.6	7091714			20	b			carb qte pox			1	<0.2	
K2170		591365.4	7091668			30	b			s ox qv hem			2	<0.2	
K2171		591354	7091618			35	b			carb qte pox			8	1	
K2172		591339.3	7091571			30	b			n/a			3	0.2	
K2173		591323.1	7091523			n/s	n/s			n/a	strong permafrost		NotRcd	NotRcd	
K2174		591311.1	7091473			n/s	n/s			q ser s	strong permafrost		NotRcd	NotRcd	
K2175		591297.2	7091426			25	b			qte ser			4	<0.2	
K2176		591286.9	7091374			30	b			qms ox			3	<0.2	
K2177		591267.9	7091332			35	b			qte ser			5	<0.2	
K2160													2	<0.2	
K2178											check for K2160		3	<0.2	

SAMPLE
No

TRAVERSE 86

Last Chance

	2119 Al %	2120 As ppm	557 B ppm	2121 Ba ppm	2122 Be ppm	2123 Bi ppm	2124 Ca %	2125 Cd ppm	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2130 Ga ppm	2131 Hg ppm	2132 K %	2151 La ppm	2134 Mg %	2135 Mn ppm	2136 Mo ppm	2137 Na %
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01
K2156	1.64	114	<10	200	0.5	<2	0.08	<0.5	6	18	25	2.44	<10	<1	0.04	30	0.63	225	4	0.01
K2157	1.67	22	10	310	0.5	2	0.12	<0.5	7	23	30	2.56	<10	<1	0.06	30	0.45	205	1	0.01
K2158	0.97	12	<10	150	<0.5	<2	0.06	<0.5	5	13	13	1.64	<10	<1	0.04	10	0.19	140	1	0.01
K2159	0.87	14	<10	260	<0.5	2	0.08	<0.5	5	12	20	1.98	<10	<1	0.09	20	0.18	170	2	0.01
K2160	1.74	50	<10	250	0.5	2	0.11	<0.5	10	34	41	2.87	<10	<1	0.03	10	0.52	345	1	<0.01
K2161	1.62	26	<10	360	0.5	2	0.16	<0.5	12	31	44	3.09	<10	<1	0.04	10	0.41	460	1	0.01
K2162	1.54	40	<10	460	0.5	<2	0.32	<0.5	14	34	57	3.3	<10	<1	0.04	10	0.45	595	2	<0.01
K2163	1.91	38	<10	270	0.5	<2	0.14	<0.5	10	72	31	2.75	<10	<1	0.03	10	0.7	285	<1	0.01
K2164	2.56	30	<10	360	0.5	2	0.33	<0.5	15	71	52	3.5	<10	<1	0.03	<10	1.07	355	<1	0.01
K2165	1.95	46	<10	320	0.5	2	0.21	<0.5	12	46	38	2.98	<10	<1	0.03	<10	0.73	330	<1	0.01
K2166	1.56	24	<10	470	0.5	2	0.28	<0.5	9	27	26	2.51	<10	<1	0.03	10	0.41	195	<1	0.01
K2167	2.39	40	<10	420	0.5	2	0.56	<0.5	22	96	69	4.2	<10	<1	0.03	<10	1.4	785	<1	0.01
K2168	2.36	8	<10	270	0.5	<2	0.28	<0.5	17	76	57	3.24	<10	<1	0.02	<10	1.16	330	<1	0.01
K2169	2.77	12	<10	220	<0.5	2	0.28	<0.5	23	81	34	3.95	<10	<1	0.02	<10	1.61	390	<1	<0.01
K2170	2.25	36	<10	230	0.5	2	0.19	<0.5	16	64	43	3.39	<10	<1	0.03	<10	1.02	415	1	<0.01
K2171	2.24	130	<10	420	0.5	<2	0.39	<0.5	27	82	81	4.61	<10	<1	0.05	20	1.1	1015	3	0.01
K2172	1.21	12	<10	190	<0.5	2	0.14	<0.5	4	16	10	1.66	<10	<1	0.04	10	0.31	85	<1	0.01
K2173	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
K2174	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
K2175	1.76	30	<10	220	0.5	2	0.17	<0.5	8	20	12	2.77	<10	<1	0.1	10	0.57	375	<1	<0.01
K2176	1.62	14	<10	240	0.5	<2	0.15	<0.5	6	21	14	2.35	<10	<1	0.04	<10	0.48	205	<1	<0.01
K2177	1.48	10	<10	200	<0.5	2	0.18	<0.5	6	19	13	2.17	<10	<1	0.05	10	0.54	210	<1	<0.01
K2160	1.74	50	<10	250	0.5	2	0.11	<0.5	10	34	41	2.87	<10	<1	0.03	10	0.52	345	1	<0.01
K2178	1.63	44	<10	240	0.5	<2	0.11	<0.5	9	31	36	2.71	<10	<1	0.03	10	0.48	305	1	<0.01

SAMPLE No

TRAVERSE 86

Last Chance

	2138 Ni ppm 1	2139 P ppm 10	2140 Pb ppm 2	551 S % 0.01	2141 Sb ppm 2	2142 Sc ppm 1	2143 Sr ppm 1	2144 Ti % 0.01	2145 Ti ppm 10	2146 U ppm 10	2147 V ppm 1	2148 W ppm 10	2149 Zn ppm 2
K2156	19	350	22	0.01	<2	2	10	0.02	<10	<10	35	<10	88
K2157	18	420	34	0.01	<2	3	14	0.03	<10	<10	40	<10	102
K2158	8	210	34	0.01	<2	1	8	0.02	<10	<10	25	<10	46
K2159	9	440	74	0.11	<2	1	20	0.01	<10	<10	20	<10	62
K2160	24	280	12	<0.01	<2	4	12	0.02	<10	<10	55	<10	100
K2161	30	400	12	0.01	<2	4	16	0.03	<10	<10	53	<10	94
K2162	41	930	10	0.02	<2	5	28	0.02	<10	<10	51	<10	120
K2163	44	210	10	<0.01	<2	4	13	0.03	<10	<10	58	<10	62
K2164	41	250	8	<0.01	<2	9	17	0.03	<10	<10	89	<10	62
K2165	41	410	8	<0.01	<2	4	14	0.02	<10	<10	53	<10	58
K2166	22	270	8	<0.01	<2	3	15	0.02	<10	<10	49	<10	54
K2167	71	840	8	0.01	<2	12	23	0.01	<10	<10	86	<10	72
K2168	47	390	2	<0.01	<2	7	15	0.02	<10	<10	72	<10	54
K2169	44	560	6	<0.01	<2	7	13	0.01	<10	<10	88	<10	76
K2170	39	530	10	0.01	<2	6	15	0.01	<10	<10	77	<10	84
K2171	95	1170	12	0.02	<2	6	38	0.01	<10	<10	78	<10	150
K2172	10	460	20	0.02	<2	1	15	0.01	<10	<10	28	<10	42
K2173	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
K2174	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
K2175	12	540	10	<0.01	<2	2	17	0.06	<10	<10	37	<10	66
K2176	14	470	10	<0.01	<2	2	13	0.05	<10	<10	39	<10	56
K2177	12	560	8	<0.01	<2	2	24	0.04	<10	<10	30	<10	56
K2160	24	280	12	<0.01	<2	4	12	0.02	<10	<10	55	<10	100
K2178	23	300	10	<0.01	<2	4	12	0.02	<10	<10	51	<10	88

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

TRAVERSE K 91 GRAND FORKS 1:50,000 115-0/14
Sampled: MMI By: P.L.
Sample Interval (m): Jn28-9-01

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.3	7	37	0.2	58.5
0.1	10	22	<0.1	11.7
<0.1	8	39	<0.1	9.21
0.21	18	32	<0.1	52.7
0.18	6	18	0.1	17.8
<0.1	4	27	<0.1	22
0.11	4	16	<0.1	20.7
0.16	4	14	<0.1	27.4
<0.1	3	12	<0.1	109
0.15	2	19	<0.1	24
0.25	2	12	<0.1	81.2
0.21	9	11	<0.1	4.29
0.13	13	11	<0.1	2.36
0.15	24	16	<0.1	3.35
<0.1	17	27	<0.1	9
0.14	19	33	<0.1	2.03
0.8	147	142	<0.1	3.6
0.14	30	47	<0.1	3.23
0.13	15	285	<0.1	10.2
<0.1	10	14	<0.1	0.42
0.1	59	39	<0.1	1.92
<0.1	15	25	<0.1	0.25
0.11	53	79	<0.1	4.64
0.19	169	393	<0.1	4.75
<0.1	4	62	<0.1	11.8
<0.1	12	64	<0.1	0.39
0.18	6	18	0.1	17.8
<0.1	7	7	<0.1	19.9
<0.1	17	27	<0.1	9
<0.1	19	20	<0.1	7.79
<0.1	4	27	<0.1	22
0.1	3	29	<0.1	19.7
0.8	147	142	<0.1	3.6
0.7	131	163	<0.1	3.14

K2056	586697.2	7091257.9	786 S++	10 vd b	y b	s si	qms			
K2057	586648.1	7091274.5	S++	15 d b org	rb	s si	qv			
K2058	586593.2	7091288.6	S++	15 d b org	rb	s si gr	qv			
K2059	586549.1	7091305.9	S++	20 d b org	y b	s si	qms			
K2060	586503.4	7091312.4	835 S++	15 d b	y b	cl si	qms,ox	check-K2082		
K2061	586458.7	7091341	S+	15 d b org	y b	cl si	qms			
K2062	586407.3	7091353.4	S+	15 vd b	rb	si	qv			
K2063	586357.9	7091359.8	S+	15 d b	rb	si cl	-			
K2064	586313.8	7091375.3	858 S	15 d b	rb	si cl	-			
K2065	586262.4	7091387.7	S	15 d b	rb	si cl	qms			
K2066	586220.1	7091396.1	F	25 d b org	y b	si cl	qsers			
K2067	586163	7091416.6	S	15 d b	y b	si cl	qsers			
K2068	586121.8	7091432.2	842 S+	30 d a b org	b,y b	cl si	qte,ser,ox			
K2069	586073	7091444.6	S+	20 d b	y b	si cl	qv,qms			
K2070	586023.9	7091461.8	S++	25 d a b org	b,y b	si cl	qms	check-K2083		
K2071	585978.5	7091476.7	S++	25 d a b org	b	cl	qte,ser,ox			
K2072	585928.4	7091497.5	798 S	25 w b org	b	cl	qte,m,ox			
K2073	585886.1	7091507.7	S+	30 pt a b org	b	cl	-			
K2074	585831.1	7091526.5	S+	35 d a b org	b	cl	-			
K2075	585790.2	7091540.3	S++	40 f a b	b,y b	cl	-			
K2076	585738.7	7091548.5	760 S+	35 f b	b	cl	-			
K2077	585694.5	7091567.6	S+	35 f a org	b	cl	-			
K2078	585644.7	7091578.8	S++	30 pt b org	b	cl	-			
K2079	585596.5	7091591.2	S++	35 pt b org	b	cl	-			
K2080	585545.7	7091612	714 S++	25 w a org	b	cl	-			
K2081	585499.6	7091622.7	687 S++	40 f a org	b	cl	-	ice and clay		
K2060										
K2082								check of K2060		
K2070										
K2083								check of K2070		
K2061										
DUP-K2061										
K2072										
DUP-K2072										

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

TRAVERSE K 92
Homestake Gulch
GRAND FORKS 1:50,000 115-0/14
Sampled: 09-Jul-01 By: AD & AF
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K3144	586946.5	7090354	860	s	15 d b a	ob	cl si	qv, lim	<0.1	2	19	<0.1	36.4
K3145	586985	7090389		s	10 d b a	ob	cl si	qms,qv,lim	0.19	3	11	0.12	6.03
K3146	587018	7090425		s	10 d b <a	ob	gv si cl	qv	<0.1	37	15	<0.1	8.56
K3147	587052.2	7090463		s	5 d b <a	ob g	gv si cl	qms	<0.1	6	14	<0.1	3.8
K3148	587088.6	7090496	877	s	5 d b <a	ob b	gv gr cl	qv, qms	<0.1	3	9	<0.1	29.3
K3149	587122.5	7090535		s	10 d b a	ob yb	gr si cl	qv	<0.1	5	13	<0.1	9.61
K3150	587153.7	7090570		s	10 d b <a	ob	gr si cl	qms	0.11	17	21	<0.1	12.5
K3151	587190.5	7090607		s	10 d b <a	ob	si cl	qms	<0.1	4	9	<0.1	20
K3152	587227.2	7090641	916	s	10 d b <a	ob yb	gr si cl	qv, qms	<0.1	12	11	<0.1	8.07
K3153	587258.2	7090680		s	10 d b <a	ob yb	si cl	qms	<0.1	9	7	<0.1	19.8
K3154	587295.3	7090717		s	10 d b <a	y b	si cl	qms	<0.1	4	8	<0.1	12.1
K3155	587331.4	7090754		s	10 d a <b	y b ob	cl si	qms,qv	<0.1	4	12	<0.1	30.4
K3156	587362.1	7090787	927	s	10 d b <<a	ob	si cl	qms	<0.1	2	8	<0.1	36.2
K3157	587398.5	7090822		s	10 d b <<a	g <ob	cl si	qms	<0.1	2	7	<0.1	6.4
K3158	587433.6	7090856		s	15 d b	ob g	gr cl si	qms	<0.1	4	5	<0.1	16.2
K3159	587468.8	7090896		s	10 d a b <sk	g <b <ob	gv si cl	qms	<0.1	4	3	<0.1	1.19
K3160	587503.8	7090932	956	s	10 d b a	y b <ob	si cl	qms	<0.1	3	6	<0.1	0.17
K3161	587537.8	7090966		s	10 d a b	g y b	gr cl si	qms	<0.1	9	7	<0.1	2.53
K3162	587572.6	7091002		s	10 d a <b org	b g <ob	si cl	qms, qte	<0.1	9	6	<0.1	0.12
K3163	587607.1	7091041		s	15 d b <a	ob b	si cl	qv	<0.1	8	8	<0.1	2.25
K3164	587645.8	7091075	970	s	15 d b <a	y b ob	cl si	qms,qv	<0.1	8	4	<0.1	3.37
K3165	587680.1	7091109		s	10 d b	ob b	cl si	qms	<0.1	2	6	<0.1	13.5
K3166	587712.7	7091147		s	10 d b <<a	ob <b	si cl	qms,qv	<0.1	1	17	<0.1	13.8
K3167	587744.7	7091179		s	10 d b <<a	ob yb	cl si	qms	<0.1	2	5	<0.1	10.3
K3168	587784.4	7091219	1003	s	10 d b a	b y b ob	si cl	qms	<0.1	2	9	<0.1	29.1
K3169	587814.1	7091256		s	10 d b <a	b ob	cl si	qms,lim	<0.1	2	12	<0.1	22.1
K3170	587852.1	7091289		s	10 d b <a	b ob	si cl	q(carb?)v	<0.1	2	8	<0.1	14.8
K3171	587884.4	7091322		s	10 d b	b y b	cl si	qms,qv	0.12	5	8	<0.1	11.9
K3172	587921.2	7091360	1031	s	10 d b a org	ob b	cl si	qms	0.11	3	9	<0.1	15.9
K3173	587954.8	7091400		s	10 d b <a	b ob	cl si	qv	<0.1	2	7	<0.1	1.65
K3174	587991.3	7091429		s+	10 d b a	b ob	si cl	qv,qms	<0.1	3	7	<0.1	3.81
K3175	588024.9	7091469		s	15 d b	rb	si cl	qv	<0.1	2	6	<0.1	6.74
K3176	588055.8	7091514	1058	r	10 d a	bl b y b	si	qv	<0.1	3	5	<0.1	0.21
K3177	588095.7	7091544	1055	s	15 d b a	b ob	si cl	qv	<0.1	11	10	<0.1	0.58
K3160									<0.1	3	6	<0.1	0.17
K3178									<0.1	4	5	<0.1	20.1
DUP-3148	K3148								<0.1	3	9	<0.1	29.3
									<0.1	3	8	<0.1	24
K3160									<0.1	3	6	<0.1	0.17
DUP-3160									<0.1	3	5	<0.1	0.3
K3172									0.11	3	9	<0.1	15.9
DUP-3172									<0.1	3	10	<0.1	19.2

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

TRAVERSE K 92
Homestake Gulch

GRAND FORKS 1:50,000 115-0/14
Sampled: 09-Jul-01 By: AD & AF

Sample Interval (m): 50

Scheme Code

9993

2118

Analysis Unit
Detection Limit

Au
ppb

Ag
ppm

1
0.2

K3144		586946.5	7090354	860 s		20	b		qv, lim			1	0.6
K3145		586985	7090389	s		15	b		qms,qv,lim			1	0.2
K3146		587018	7090425	s		15	b		qv			<1	0.6
K3147		587052.2	7090463	s		10	b		qms			4	<0.2
K3148		587088.6	7090496	877 s		15	b		qv, qms			4	1
K3149		587122.5	7090535	s		25	b		qv			2	<0.2
K3150		587153.7	7090570	s		30	b		qms			10	0.6
K3151		587190.5	7090607	s		20	b		qms			2	0.6
K3152		587227.2	7090641	916 s		20	b		qv, qms			3	0.2
K3153		587258.2	7090680	s		20	b		qms			2	0.4
K3154		587295.3	7090717	s		20	b		qms			1	0.2
K3155		587331.4	7090754	s		25	b		qms,qv			2	0.2
K3156		587362.1	7090787	927 s		20	b		qms			2	0.6
K3157		587398.5	7090822	s		30	b		qms			<1	0.2
K3158		587433.6	7090856	s		25	b		qms			<1	0.8
K3159		587468.8	7090896	s		25	b		qms			<1	<0.2
K3160		587503.8	7090932	956 s		20	b		qms	check K3178		<1	<0.2
K3161		587537.8	7090966	s		30	b		qms			2	0.2
K3162		587572.6	7091002	s		20	b		qms, qte			1	<0.2
K3163		587607.1	7091041	s		30	b		qv			5	0.2
K3164		587645.8	7091075	970 s		30	b		qms,qv			1	<0.2
K3165		587680.1	7091109	s		15	b		qms			<1	0.2
K3166		587712.7	7091147	s		20	b		qms,qv			1	0.2
K3167		587744.7	7091179	s		25	b		qms			1	0.2
K3168		587784.4	7091219	1003 s		25	b		qms			1	0.8
K3169		587814.1	7091256	s		20	b		qms,lim			1	0.2
K3170		587852.1	7091289	s		15	b		q(carb?)v			2	0.2
K3171		587884.4	7091322	s		15	b		qms,qv			3	0.2
K3172		587921.2	7091360	1031 s		20	b		qms			<1	0.6
K3173		587954.8	7091400	s		30	b		qv			2	<0.2
K3174		587991.3	7091429	s+		25	b		qv,qms			1	0.2
K3175		588024.9	7091469	s		20	b		qv	hematite staining		1	0.6
K3176		588055.8	7091514	1058 r		30	b		qv			<1	<0.2
K3177		588095.7	7091544	1055 s		30	b		qv			3	<0.2
K3160												<1	<0.2
K3178										check for K3160		<1	<0.2

SAMPLE No

TRAVERSE K 92

Homestake Gulch

	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134	2135	2136	2137
	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01
K3144	1.85	10	<10	300	0.5	<2	0.13	<0.5	6	22	9	3.17	<10	<1	0.09	10	0.42	420	1	<0.01
K3145	1.7	<2	<10	220	0.5	<2	0.06	<0.5	5	20	11	2.21	<10	<1	0.06	30	0.87	200	<1	<0.01
K3146	1.99	6	<10	370	0.5	<2	0.08	<0.5	8	22	10	2.69	<10	<1	0.04	<10	0.38	160	<1	<0.01
K3147	0.75	10	<10	160	<0.5	<2	0.04	<0.5	3	8	7	1.67	<10	<1	0.06	20	0.17	85	<1	<0.01
K3148	1.31	106	<10	120	<0.5	<2	0.04	<0.5	4	14	8	2.5	<10	<1	0.08	20	0.29	105	3	<0.01
K3149	0.9	12	<10	250	<0.5	<2	0.06	<0.5	3	10	4	1.54	<10	<1	0.07	30	0.18	110	1	<0.01
K3150	1.43	8	<10	270	0.5	<2	0.05	<0.5	5	21	11	2.19	<10	<1	0.05	10	0.36	130	<1	<0.01
K3151	1.26	14	<10	250	<0.5	<2	0.06	<0.5	5	20	6	2.81	<10	<1	0.08	10	0.36	145	1	<0.01
K3152	1.16	12	<10	340	<0.5	<2	0.05	<0.5	3	15	4	2.03	<10	<1	0.05	20	0.21	75	<1	<0.01
K3153	1.25	8	<10	340	<0.5	<2	0.02	<0.5	3	10	4	1.64	<10	<1	0.05	20	0.17	75	<1	<0.01
K3154	0.94	<2	<10	220	<0.5	<2	0.04	<0.5	2	11	5	1.45	<10	<1	0.06	30	0.26	110	<1	<0.01
K3155	1.33	16	<10	370	<0.5	<2	0.09	<0.5	5	19	7	2.78	<10	<1	0.08	10	0.34	300	1	<0.01
K3156	1.55	10	<10	270	0.5	<2	0.09	<0.5	5	21	6	2.79	<10	<1	0.06	10	0.35	205	<1	<0.01
K3157	0.76	6	<10	150	<0.5	<2	0.03	<0.5	<1	6	3	1.18	<10	<1	0.07	20	0.12	55	1	<0.01
K3158	1.06	2	<10	210	<0.5	<2	0.04	<0.5	3	11	4	1.65	<10	<1	0.06	20	0.15	105	<1	<0.01
K3159	0.49	<2	<10	210	<0.5	<2	0.01	<0.5	1	2	<1	0.56	<10	<1	0.06	30	0.03	25	<1	<0.01
K3160	0.93	2	<10	300	<0.5	<2	0.03	<0.5	1	5	<1	1.11	<10	<1	0.06	30	0.09	55	<1	<0.01
K3161	0.68	12	<10	160	<0.5	<2	0.03	<0.5	2	7	1	1.03	<10	<1	0.07	20	0.16	65	<1	<0.01
K3162	0.51	16	<10	160	<0.5	<2	0.01	<0.5	2	4	<1	0.92	<10	<1	0.07	30	0.07	60	<1	<0.01
K3163	1.5	18	<10	560	<0.5	<2	0.09	<0.5	5	22	5	2.95	<10	<1	0.05	10	0.35	185	<1	<0.01
K3164	0.99	6	<10	340	<0.5	<2	0.03	<0.5	1	7	1	1.3	<10	<1	0.06	20	0.1	85	1	<0.01
K3165	0.86	8	<10	220	<0.5	<2	0.03	<0.5	1	8	1	1.66	<10	<1	0.05	10	0.15	165	<1	<0.01
K3166	1.21	6	<10	360	0.5	<2	0.07	<0.5	5	14	5	2.05	<10	<1	0.08	10	0.25	510	<1	<0.01
K3167	0.6	8	<10	170	<0.5	<2	0.03	<0.5	2	6	1	1.15	<10	<1	0.07	10	0.09	60	<1	<0.01
K3168	1.21	2	<10	210	<0.5	<2	0.05	<0.5	4	12	3	1.87	<10	<1	0.07	10	0.21	245	<1	<0.01
K3169	0.65	10	<10	170	<0.5	<2	0.05	<0.5	2	7	2	1.21	<10	<1	0.07	30	0.14	80	<1	<0.01
K3170	1.25	10	<10	200	<0.5	<2	0.07	<0.5	3	15	3	1.73	<10	<1	0.04	10	0.24	90	<1	<0.01
K3171	1.02	18	<10	200	<0.5	<2	0.07	<0.5	1	12	4	1.29	<10	<1	0.06	10	0.23	80	1	<0.01
K3172	1.05	2	<10	230	<0.5	<2	0.07	<0.5	4	12	4	1.83	<10	<1	0.05	<10	0.16	455	1	<0.01
K3173	1.45	10	<10	270	<0.5	<2	0.07	<0.5	5	21	5	2.48	<10	<1	0.04	10	0.32	165	1	<0.01
K3174	1.95	8	<10	430	0.5	<2	0.08	<0.5	6	23	5	2.73	<10	<1	0.04	10	0.4	220	1	<0.01
K3175	1.68	2	<10	270	0.5	<2	0.06	<0.5	6	17	4	2.68	<10	<1	0.03	<10	0.17	375	<1	<0.01
K3176	0.42	8	<10	110	<0.5	<2	0.04	<0.5	1	1	<1	0.38	<10	<1	0.04	<10	0.05	20	<1	<0.01
K3177	1.83	12	<10	240	0.5	<2	0.07	<0.5	8	20	11	2.31	<10	<1	0.05	20	0.36	215	<1	<0.01
K3160	0.93	2	<10	300	<0.5	<2	0.03	<0.5	1	5	<1	1.11	<10	<1	0.06	30	0.09	55	<1	<0.01
K3178	1.16	6	<10	320	<0.5	<2	0.04	<0.5	1	7	<1	1.27	<10	<1	0.06	30	0.1	100	<1	<0.01

SAMPLE No

TRAVERSE K 92

Homestake Gulch

	2138 Ni ppm 1	2139 P ppm 10	2140 Pb ppm 2	551 S % 0.01	2141 Sb ppm 2	2142 Sc ppm 1	2143 Sr ppm 1	2144 Ti % 0.01	2145 Ti ppm 10	2146 U ppm 10	2147 V ppm 1	2148 W ppm 10	2149 Zn ppm 2
K3144	11	1030	18	<0.01	8	3	12	0.02	<10	<10	53	<10	58
K3145	13	140	12	<0.01	8	3	7	0.07	<10	<10	30	<10	50
K3146	19	210	14	<0.01	8	3	14	0.06	<10	<10	47	<10	42
K3147	5	300	14	<0.01	<2	<1	7	0.03	10	<10	33	<10	22
K3148	9	330	16	<0.01	2	1	7	0.01	<10	<10	34	<10	40
K3149	6	210	22	<0.01	10	1	7	0.03	<10	<10	39	<10	20
K3150	14	130	18	<0.01	2	2	6	0.04	<10	<10	39	<10	36
K3151	12	240	16	<0.01	10	3	7	0.04	<10	<10	48	<10	32
K3152	7	160	16	<0.01	12	1	7	0.03	<10	<10	36	<10	18
K3153	5	130	14	<0.01	6	1	4	0.01	10	<10	29	<10	20
K3154	5	180	34	<0.01	4	1	5	0.03	<10	<10	27	<10	34
K3155	10	590	28	<0.01	<2	1	8	0.04	<10	<10	52	<10	34
K3156	11	250	20	0.01	6	1	11	0.04	<10	<10	52	<10	32
K3157	3	150	22	<0.01	2	<1	4	0.01	<10	<10	19	<10	16
K3158	6	250	18	<0.01	8	<1	6	0.01	<10	<10	29	<10	22
K3159	1	120	12	<0.01	2	<1	2	0.01	10	<10	12	<10	6
K3160	3	220	10	<0.01	8	<1	6	0.01	10	<10	27	<10	12
K3161	4	130	14	<0.01	10	<1	4	0.02	<10	<10	22	<10	12
K3162	2	160	12	<0.01	6	<1	4	0.01	10	<10	20	<10	10
K3163	11	290	18	<0.01	4	1	10	0.03	<10	<10	48	<10	32
K3164	3	150	18	<0.01	6	1	4	0.01	<10	<10	22	<10	14
K3165	4	300	18	<0.01	4	1	2	0.03	<10	<10	36	<10	18
K3166	10	400	18	<0.01	4	1	6	0.03	<10	<10	45	<10	34
K3167	3	210	10	<0.01	10	<1	5	0.03	<10	<10	27	<10	16
K3168	7	400	10	0.01	<2	<1	5	0.02	10	<10	35	<10	30
K3169	5	310	10	<0.01	8	<1	4	0.02	<10	<10	27	<10	18
K3170	8	160	16	<0.01	8	1	6	0.03	<10	<10	41	<10	22
K3171	8	140	22	<0.01	4	1	5	0.04	<10	<10	28	<10	22
K3172	7	610	12	0.01	<2	<1	6	0.03	<10	<10	46	<10	32
K3173	12	200	20	<0.01	2	2	11	0.05	<10	<10	58	<10	30
K3174	12	200	18	<0.01	2	3	11	0.04	<10	<10	56	<10	36
K3175	8	280	12	0.01	<2	1	7	0.04	<10	<10	65	<10	32
K3176	1	130	8	<0.01	<2	<1	3	<0.01	<10	<10	6	<10	2
K3177	16	220	20	<0.01	6	3	7	0.03	10	<10	34	<10	38
K3160	3	220	10	<0.01	8	<1	6	0.01	10	<10	27	<10	12
K3178	4	230	16	<0.01	6	<1	6	0.02	10	<10	31	<10	18

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

LINE K 93 GRAND FORKS 1:50,000 115-0/14

McKay Gulch Sampled: 9 July, 2001 By: P.L. A.D.

Sample Interval (m): 50m

Scheme Code
Analysis Unit
Detection Limit

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

K2179	K2179	589000.4	7090594	1069	r	15	bd	yb	gv, si cl	qms		0.16	7	21	<0.1	8.04
K2180	K2180	588972.4	7090560		s	15	bd	yb	gv, si cl	q ser s		0.17	6	15	<0.1	7.2
K2181	K2181	588934	7090524		s	15	bd	yb	gvsicl	q ser s		<0.1	10	12	<0.1	3.83
K2182	K2182	588902.9	7090485		s	15	bd<org	yb	gvsicl	asers		<0.1	13	13	<0.1	0.99
K2183	K2183	588872.4	7090448	1041	s	15	borg d	yb/gb	gr si cl	q ser s p ox		<0.1	10	5	<0.1	2.59
K2184	K2184	588839	7090411		s	15	ba d	yb b	si cl	q ser s p ox	80 mesh poor	<0.1	3	6	<0.1	3.87
K2185	K2185	588804.6	7090372		s	15	ab d	b gb	gv si cl	qteser p ox		5.63	1	68	<0.1	156
K2186	K2186	588770.7	7090333		s	15	b d	yb gb	gr si cl	q ser s p ox		<0.1	4	11	<0.1	17.3
K2187	K2187	588738.6	7090294	1007	s	20	b d	yb	gr si cl	q ser s		0.12	7	10	<0.1	4.1
K2188	K2188	588707.1	7090262		s	20	b d	yb	gr si cl	q ser s		<0.1	8	7	<0.1	9.21
K2189	K2189	588669.3	7090223		s	20	ba d	yb b	gr si cl	q ser s		<0.1	6	9	<0.1	4.12
K2190	K2190	588639.1	7090185		s	15	b d	yb	gr si cl	q ser s		0.13	5	8	<0.1	22
K2191	K2191	588608.3	7090148	994	s	15	b d	yb	gr si cl	q ser s		0.13	6	19	<0.1	10.6
K2192	K2192	588573.1	7090107		f	15	b	yb	gr si cl	q ser s		<0.1	4	12	<0.1	4.41
K2193	K2193	588538.5	7090074		f	15	c? sk d	yb sk	gv	q ser s		<0.1	9	9	<0.1	6.31
K2194	K2194	588508	7090035		s	15	b d	rb yb	gv si cl	ser q s p ox		<0.1	4	8	<0.1	45.7
K2195	K2195	588476.5	7089995	978	s	15	b d sk	gb yb	gv si cl	ser q s		0.12	3	5	<0.1	8.95
K2196	K2196	588442.6	7089958		s	20	abc d	yb b	gv si cl	q ser s p ox		<0.1	11	9	<0.1	8.82
K2197	K2197	588407.5	7089923		s	15	b d	yb	gr si cl	ser q s	blue qtz eyes	<0.1	12	11	<0.1	17.4
K2198	K2198	588381.8	7089882		s+	20	b d	yb	gr si cl	bull qv		0.21	11	9	<0.1	7.01
K2199	K2199	588346.5	7089845	938	s	20	b d	yb	gr si cl	bull qv		0.13	16	14	<0.1	7.63
K2200	K2200	588308.1	7089808		s	20	b d	yb	gr si cl	bull qv	check K2210	0.15	7	10	<0.1	5.04
K2201	K2201	588277.8	7089772		s+	20	b d	yb	gr si cl	q ser s		0.27	6	24	<0.1	5.19
K2202	K2202	588245.8	7089730		s	20	b d	yb	gr si cl	q ser s		0.36	8	22	<0.1	3.92
K2203	K2203	588211.8	7089686	897	s+	20	ab d	b yb	gr si cl	q ser s		0.14	2	32	<0.1	3.21
K2204	K2204	588180.9	7089650		s+	20	b d	yb	gv si cl	q ser s		0.23	5	23	<0.1	14.2
K2205	K2205	588144.7	7089618		s+	20	b d	yb	gv si cl	q ser s		<0.1	17	27	<0.1	5.02
K2206	K2206	588116.2	7089585		s+	20	b d	yb	gv si cl	q ser s		0.16	6	20	0.11	17.6
K2207	K2207	588076.9	7089539	823	s++	15	ab d	b yb	gv si cl	q ser s		<0.1	11	20	<0.1	7.17
K2208	K2208	588037.9	7089502	812	s+	15	ab d	b yb	gv si cl	q ser s		0.16	9	22	<0.1	5.46
K2180												0.17	6	15	<0.1	7.2
K2209	K2209									check for 2180		0.12	6	10	<0.1	9.78
K2200												0.15	7	10	<0.1	5.04
K2210	K2210									check for 2200		<0.1	8	11	<0.1	5.2
K2181												<0.1	10	12	<0.1	3.83
DUP-2181												0.13	8	12	<0.1	3.85
K2193												<0.1	9	9	<0.1	6.31
DUP-2193												0.1	10	5	<0.1	6.74
K2205												<0.1	17	27	<0.1	5.02
DUP-2205												<0.1	21	17	<0.1	6

SAMPLE No	GPS W'PT	UTM COORDS		LAND FORM		STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
LINE K 93		EAST	NORTH	ELEV							
McKay Gulch		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 9July,2001		By: P.L. A.D.							
		Sample Interval (m): 50m									
K2179	K2179	589000.4	7090594	1069	r	15	bd	yb	gv,si cl	qms	
K2180	K2180	588972.4	7090560		s	20	bd	yb	gv,si cl	q ser s	
K2181	K2181	588934	7090524		s	20	bd	yb	gvsicl	q ser s	
K2182	K2182	588902.9	7090485		s	30	bd<org	yb	gvsicl	asers	
K2183	K2183	588872.4	7090448	1041	s	15	borg d	yb/gb	gr si cl	q ser s p ox	
K2184	K2184	588839	7090411		s	15	ba d	yb b	si cl	q ser s p ox	80 mesh poor
K2185	K2185	588804.6	7090372		s	25	ab d	b gb	gv si cl	qteser p ox	
K2186	K2186	588770.7	7090333		s	25	b d	yb gb	gr si cl	q ser s p ox	
K2187	K2187	588738.6	7090294	1007	s	25	b d	yb	gr si cl	q ser s	
K2188	K2188	588707.1	7090262		s	25	b d	yb	gr si cl	q ser s	
K2189	K2189	588669.3	7090223		s	20	ba d	yb b	gr si cl	q ser s	
K2190	K2190	588639.1	7090185		s	15	b d	yb	gr si cl	q ser s	
K2191	K2191	588608.3	7090148	994	s	20	b d	yb	gr si cl	q ser s	
K2192	K2192	588573.1	7090107		f	25	b	yb	gr si cl	q ser s	
K2193	K2193	588538.5	7090074		f	20	c? sk d	yb sk	gv	q ser s	
K2194	K2194	588508	7090035		s	25	b d	rb yb	gv si cl	ser q s p ox	
K2195	K2195	588476.5	7089995	978	s	20	b d sk	gb yb	gv si cl	ser q s	
K2196	K2196	588442.6	7089958		s	30	abc d	yb b	gv si cl	q ser s p ox	
K2197	K2197	588407.5	7089923		s	25	b d	yb	gr si cl	ser q s	blue qtz eyes
K2198	K2198	588381.8	7089882		s+	25	b d	yb	gr si cl	bull qv	
K2199	K2199	588346.5	7089845	938	s	20	b d	yb	gr si cl	bull qv	
K2200	K2200	588308.1	7089808		s	35	b d	yb	gr si cl	bull qv	
K2201	K2201	588277.8	7089772		s+	25	b d	yb	gr si cl	q ser s	
K2202	K2202	588245.8	7089730		s		b d	yb	gr si cl	q ser s	
K2203	K2203	588211.8	7089686	897	s+		ab d	b yb	gr si cl	q ser s	
K2204	K2204	588180.9	7089650		s+		b d	yb	gv si cl	q ser s	
K2205	K2205	588144.7	7089618		s+		b d	yb	gv si cl	q ser s	
K2206	K2206	588116.2	7089585		s+		b d	yb	gv si cl	q ser s	
K2207	K2207	588076.9	7089539	823	s++		ab d	b yb	gv si cl	q ser s	
K2208	K2208	588037.9	7089502	812	s+		ab d	b yb	gv si cl	q ser s	
K2180											1 <0.2
K2209	K2209									check for 2180	1 <0.2
K2200											1 <0.2
K2210	K2210									check for 2200	1 <0.2

SAMPLE No	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134
	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
McKay Gulch	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01
K2179	1.56	8	<10	400	0.5	4	0.07	<0.5	5	16	11	2.22	<10	<1	0.05	10	0.24
K2180	1.48	8	<10	220	0.5	8	0.06	<0.5	5	20	12	2.39	<10	<1	0.04	10	0.29
K2181	1.3	8	<10	230	0.5	2	0.06	<0.5	6	16	13	1.97	<10	<1	0.06	30	0.44
K2182	0.71	18	<10	180	<0.5	<2	0.03	<0.5	3	7	8	1.41	<10	<1	0.06	40	0.12
K2183	0.9	8	<10	180	<0.5	2	0.03	<0.5	1	8	5	1.14	<10	<1	0.05	10	0.12
K2184	1.38	30	<10	260	<0.5	<2	0.05	<0.5	4	18	7	2.63	<10	<1	0.04	10	0.24
K2185	0.61	36	<10	570	<0.5	2	0.07	<0.5	1	5	8	0.86	<10	<1	0.07	30	0.07
K2186	0.7	10	<10	240	<0.5	2	0.04	<0.5	1	7	5	0.94	<10	<1	0.04	10	0.1
K2187	1.54	16	<10	280	0.5	<2	0.04	<0.5	4	18	9	2.25	<10	<1	0.05	10	0.25
K2188	1.54	26	<10	290	<0.5	<2	0.03	<0.5	5	18	8	2.39	<10	<1	0.04	10	0.25
K2189	1.64	16	<10	290	0.5	<2	0.04	<0.5	4	17	8	2.14	<10	<1	0.04	20	0.17
K2190	1.12	8	<10	410	<0.5	<2	0.02	<0.5	2	7	8	1.59	<10	<1	0.06	20	0.1
K2191	1.43	8	<10	500	0.5	2	0.03	<0.5	3	12	8	1.76	<10	<1	0.04	10	0.14
K2192	1.4	22	<10	530	0.5	<2	0.06	<0.5	5	23	10	2.95	<10	<1	0.05	10	0.34
K2193	0.87	6	<10	310	<0.5	2	0.05	<0.5	3	5	7	0.78	<10	<1	0.09	40	0.18
K2194	1.02	12	<10	190	<0.5	<2	0.04	<0.5	3	11	7	1.59	<10	<1	0.06	30	0.22
K2195	1.06	8	<10	230	<0.5	6	0.03	<0.5	2	8	5	1.06	<10	<1	0.06	40	0.24
K2196	1.27	8	<10	320	<0.5	<2	0.03	<0.5	3	10	9	1.82	<10	<1	0.06	20	0.32
K2197	1.47	8	<10	300	<0.5	<2	0.05	<0.5	6	17	14	2.05	<10	<1	0.04	10	0.43
K2198	1.3	12	<10	300	<0.5	2	0.07	<0.5	4	18	11	1.92	<10	<1	0.04	10	0.34
K2199	1.58	8	<10	320	0.5	<2	0.06	<0.5	5	23	11	2.51	<10	<1	0.05	10	0.36
K2200	1.24	6	<10	250	<0.5	<2	0.04	<0.5	4	14	11	1.79	<10	<1	0.05	20	0.41
K2201	1.25	8	<10	250	<0.5	2	0.03	<0.5	5	13	11	1.72	<10	<1	0.05	30	0.42
K2202	1.25	2	<10	230	<0.5	<2	0.04	<0.5	4	14	11	1.66	<10	<1	0.05	30	0.49
K2203	1.49	8	<10	570	0.5	2	0.09	<0.5	10	17	13	2.08	<10	<1	0.06	10	0.4
K2204	0.83	4	<10	290	<0.5	<2	0.05	<0.5	3	10	7	1.25	<10	<1	0.07	20	0.23
K2205	0.9	6	<10	340	<0.5	2	0.08	<0.5	3	13	9	1.33	<10	<1	0.06	30	0.35
K2206	1.25	4	<10	290	<0.5	2	0.06	<0.5	4	14	10	1.69	<10	<1	0.06	20	0.39
K2207	1.13	8	<10	390	0.5	2	0.08	<0.5	8	13	13	1.84	<10	<1	0.08	20	0.35
K2208	1.09	6	<10	340	<0.5	<2	0.1	<0.5	5	12	11	1.74	<10	<1	0.1	30	0.45
K2180	1.48	8	<10	220	0.5	8	0.06	<0.5	5	20	12	2.39	<10	<1	0.04	10	0.29
K2209	1.35	8	<10	180	0.5	2	0.05	<0.5	5	18	8	2.19	<10	<1	0.04	10	0.27
K2200	1.24	6	<10	250	<0.5	<2	0.04	<0.5	4	14	11	1.79	<10	<1	0.05	20	0.41
K2210	1.25	6	<10	240	<0.5	2	0.04	<0.5	4	13	9	1.78	<10	<1	0.05	20	0.41

SAMPLE No LINE K 93 McKay Gulch	2135	2136	2137	2138	2139	2140	551	2141	2142	2143	2144	2145	2146	2147	2148	2149
	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K2179	180	1	<0.01	10	240	18	0.01	<2	1	10	0.03	<10	<10	50	<10	42
K2180	195	<1	<0.01	10	250	22	0.01	<2	1	8	0.04	<10	<10	56	<10	42
K2181	215	<1	<0.01	11	460	22	<0.01	<2	1	10	0.04	<10	<10	37	<10	46
K2182	95	<1	<0.01	5	150	18	<0.01	<2	1	5	0.01	<10	<10	16	<10	40
K2183	55	1	<0.01	4	120	18	<0.01	<2	<1	4	0.03	<10	<10	34	<10	18
K2184	130	<1	<0.01	8	200	34	0.01	<2	1	7	0.05	<10	<10	57	<10	32
K2185	45	1	<0.01	3	260	34	0.01	<2	<1	12	0.01	<10	<10	11	<10	18
K2186	50	<1	<0.01	4	100	14	<0.01	<2	<1	6	0.04	<10	<10	30	<10	16
K2187	165	<1	<0.01	9	170	24	<0.01	<2	1	6	0.03	<10	<10	44	<10	36
K2188	130	1	<0.01	10	170	20	<0.01	<2	1	6	0.03	<10	<10	40	<10	34
K2189	95	<1	<0.01	7	160	30	<0.01	<2	1	7	0.02	<10	<10	45	<10	26
K2190	70	<1	<0.01	3	130	14	<0.01	<2	1	4	0.01	<10	<10	26	<10	32
K2191	115	<1	<0.01	6	110	22	<0.01	<2	1	4	0.02	<10	<10	37	<10	28
K2192	160	<1	<0.01	11	290	26	<0.01	<2	2	6	0.06	<10	<10	69	<10	38
K2193	95	<1	<0.01	3	290	12	<0.01	<2	<1	14	<0.01	<10	<10	15	<10	20
K2194	110	<1	<0.01	7	110	26	<0.01	<2	1	6	0.02	<10	<10	34	<10	28
K2195	60	<1	<0.01	4	70	20	<0.01	<2	1	8	0.01	<10	<10	20	<10	24
K2196	160	<1	<0.01	7	200	20	<0.01	<2	1	7	0.02	<10	<10	32	<10	56
K2197	150	<1	<0.01	12	110	20	<0.01	<2	2	8	0.03	<10	<10	33	<10	50
K2198	145	<1	<0.01	10	150	20	<0.01	<2	1	8	0.05	<10	<10	46	<10	40
K2199	210	<1	<0.01	12	200	20	<0.01	<2	2	8	0.04	<10	<10	55	<10	42
K2200	120	<1	<0.01	8	110	18	<0.01	<2	2	7	0.03	<10	<10	29	<10	42
K2201	95	<1	<0.01	9	120	16	<0.01	<2	2	8	0.03	<10	<10	25	<10	40
K2202	110	<1	<0.01	9	140	12	<0.01	<2	2	7	0.03	<10	<10	24	<10	40
K2203	1260	<1	<0.01	13	470	22	0.01	<2	1	11	0.03	<10	<10	37	<10	48
K2204	100	<1	<0.01	7	150	12	<0.01	<2	1	7	0.03	<10	<10	24	<10	26
K2205	115	<1	<0.01	8	80	14	<0.01	<2	2	11	0.03	<10	<10	23	<10	32
K2206	130	<1	<0.01	9	110	22	<0.01	<2	1	8	0.03	<10	<10	25	<10	38
K2207	250	<1	<0.01	10	450	30	<0.01	<2	2	12	0.03	<10	<10	28	<10	40
K2208	155	<1	<0.01	10	340	16	<0.01	<2	3	15	0.03	<10	<10	24	<10	44
K2180	195	<1	<0.01	10	250	22	0.01	<2	1	8	0.04	<10	<10	56	<10	42
K2209	180	<1	<0.01	9	210	18	<0.01	<2	1	7	0.04	<10	<10	52	<10	32
K2200	120	<1	<0.01	8	110	18	<0.01	<2	2	7	0.03	<10	<10	29	<10	42
K2210	120	<1	<0.01	8	110	18	<0.01	<2	2	7	0.03	<10	<10	29	<10	38

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
LINE K 95		GRAND FORKS 1:50,000 115-0/14									
Flannery pup ridge		Sampled: July 6-01			By: A.D. Ald.						
		Sample Interval (m):									
K3092		588656.4	7091132	1061	f	15	a<<b sk	b yb	cl si	qms	
K3093		588686	7091093		f	15	b	ob	si cl	qms	
K3094		588716	7091053		r	15	b<a sk	ob g	cl si	qms lim	
K3095		588745.3	7091013		r	15	ba sk	ob yb	gr cl si	qms	
K3096		588774.6	7090965	1066	r	10	b	ob	si cl	qms hem	
K3097		588802.2	7090930		s	15	b<<a	ob	si cl	qv hem	
K3098		588834.8	7090891		s	15	b	ob	si cl	qms	
K3099		588863.1	7090848		s	20	b<a	ob	si cl	qms	
K3100		588890.9	7090806	1067	s	20	b	ob	si cl	qms	
K3101		588918.4	7090766		s	20	b	ob	si cl	qms qv hem	
K3102		588946.2	7090721		s	20	b<a	ob g	si cl	qms	
K3103		588980.4	7090684		s	20	b	ob	si cl	qv hem	
K3104		589011.8	7090655	1074	s	15	b	ob	si cl	qms	
K3105		589043	7090610		f	15	b<a	ob	si cl	qms	
K3106		589074.4	7090564		s	15	b	ob g	si cl	qms	
K3107		589097.4	7090525		s	15	ba sk	ob b	gv si cl	qms qv hem	
K3108		589125.1	7090484	1064	s	15	ba	ob	si cl	qms	
K3109		589158.9	7090443		s	20	b<a	ob b	si cl	qms	
K3110		589189.2	7090405		s	15	b<a	ob	si cl	qms	
K3111		589211.1	7090365		s	15	b	ob	si cl	qms	
K3112		589242.2	7090318	1040	s+	15	ba	b ob	si cl	qms	
K3113		589278.8	7090282		s	20	ba	ob b	si cl		20m@360 to 3090
K3114		589307.1	7090239		s	10	b	ob	si cl	qms	
K3115		589340.8	7090203		s	20	b	ob yb	si cl	qms	
K3116		589362.3	7090160	1014	s	20	b w	yb ob	si cl	qms	
K3117		589399.5	7090119		s	5	b<a	ob	cl si	qms	
K3118		589425.3	7090081		s	10	b<a	b yb	si cl	qv	
K3119		589454.3	7090044		s++	10	b sk	ob	gv cl si	qms qv	
K3120		589483.9	7090001	988	s++	20	b	ob yb	si cl	qms	
K3121		589514.9	7089959		s+	15	b	ob b	cl si	qms	
K3122		589541.7	7089915		s+	10	ba	ob	si cl	no rock	
K3123		589572.2	7089880		s	15	ba	ob yb	si cl	qv qms	
K3124		589601.8	7089838	962	s+	10	ab sk	yb b	si gv	qms	poor soil dev.
K3125		589632	7089795		s	15	ba	ob	si	qms	
K3126		589663.7	7089755		s	5	ba	ob yb	si cl	qv	
K3127		589686.6	7089717		s	15	ba w	b ob	cl si	no rock	
K3128		589724.3	7089678	933	s	25	ba	yb	cl si	qv	
K3129		589750.7	7089638		s	15	bw	yb	cl	no rock	
K3130		589779	7089597		s	10	bw	ob	si cl	qv	
K3131		589806.5	7089556		s	20	ba w	yb	si cl	qms	
K3132		589842	7089513	905	s	15	ba	yb	si cl	qv	
K3133		589870.4	7089477		s	10	ba	ob	gv si cl	qms	
K3134		589900.8	7089435		s	15	ba	ob	si cl	qms	
K3135		589926.7	7089396		s	15	b<a	rb	cl si	qms	
K3136		589954.6	7089352	869	s	5	ba	yb	gr si cl	qv	
K3137		589986.4	7089316		s	10	ba	gb	si cl	qms	

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
<0.1	5	<3	<0.1	0.2
<0.1	6	<3	<0.1	0.36
0.27	13	28	<0.1	3.45
<0.1	4	7	<0.1	2.08
<0.1	2	7	<0.1	38.6
0.14	7	4	<0.1	4.93
0.19	8	15	<0.1	2.25
0.3	10	17	<0.1	3.07
<0.1	10	22	<0.1	4.59
0.11	11	10	<0.1	2.82
<0.1	3	6	<0.1	2.24
<0.1	3	8	<0.1	0.72
<0.1	7	10	<0.1	7.57
<0.1	7	10	<0.1	2.59
<0.1	5	9	<0.1	12.7
<0.1	3	6	<0.1	10.6
<0.1	7	6	<0.1	7.58
<0.1	5	11	<0.1	17.5
<0.1	9	13	<0.1	9.4
0.12	6	10	<0.1	12.6
<0.1	5	13	<0.1	32.6
0.21	6	15	<0.1	16.2
<0.1	3	13	<0.1	24.4
<0.1	6	7	<0.1	23.1
<0.1	8	10	<0.1	11.1
<0.1	12	12	<0.1	9.11
<0.1	8	12	<0.1	17.8
<0.1	7	10	<0.1	15.6
<0.1	5	8	<0.1	37.5
<0.1	6	13	<0.1	23.7
<0.1	6	18	<0.1	17.3
<0.1	5	11	<0.1	7.84
<0.1	2	15	<0.1	19.2
<0.1	2	47	<0.1	20.3
<0.1	15	10	<0.1	6.2
<0.1	13	14	<0.1	0.93
<0.1	25	19	<0.1	2.21
0.15	31	46	<0.1	8.34
<0.1	24	19	<0.1	2.78
<0.1	9	8	<0.1	0.89
<0.1	11	10	<0.1	3.42
<0.1	7	9	<0.1	6.96
<0.1	7	12	<0.1	11.2
<0.1	13	11	<0.1	3.6
<0.1	27	12	<0.1	5.06
<0.1	10	13	<0.1	7.4

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

LINE K 95 GRAND FORKS 1:50,000 115-0/14

Flannery pup ridge Sampled: July 6-01 By: A.D. Ald

Sample Interval (m):

Scheme Code
Analysis Unit
Detection Limit

K3138	590022.1	7089264		s	20	ba	b	si cl	qms			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
K3139	590046.1	7089226		s	15	ab	b g	gv cl si	qms			<0.1	11	11	<0.1	9.71
K3140	590071.2	7089196	835	s	15	ba	b	gr cl si	qms			<0.1	11	17	<0.1	10.3
												<0.1	25	16	<0.1	6.71
K3100												<0.1	10	22	<0.1	4.59
K3141										check for 3100		0.13	53	38	<0.1	4.16
K3120												<0.1	5	8	<0.1	37.5
K3142										check for 3120		<0.1	5	8	<0.1	27.6
K3140												<0.1	25	16	<0.1	6.71
K3143										check for 3140		<0.1	24	16	<0.1	6.15
K3098												0.19	8	15	<0.1	2.25
DUP-3098												0.22	7	13	<0.1	2.43
K3100												<0.1	10	22	<0.1	4.59
DUP-3100												<0.1	12	25	<0.1	5.08
K3112												<0.1	5	13	<0.1	32.6
DUP-3112												<0.1	4	12	<0.1	28
K3124												<0.1	2	15	<0.1	19.2
DUP-3124												<0.1	2	15	<0.1	16
K3136												<0.1	27	12	<0.1	5.06
DUP-3136												<0.1	30	13	<0.1	6

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993	2118
		EAST	NORTH	ELEV									Au ppb	Ag ppm
LINE K 95 GRAND FORKS 1:50,000 115-0/14														
Flannery pup ridge Sampled: July 6-01 By: A.D. Ald.												Analysis Unit	ppb	ppm
Sample Interval (m):												Detection Limit	1	0.2
K3092		588656.4	7091132	1061	f	15	b	b yb	cl si	qms			7	<0.2
K3093		588686	7091093		f	15	b	ob	si cl	qms			2	<0.2
K3094		588716	7091053		r	15	b	ob g	cl si	qms lim			4	<0.2
K3095		588745.3	7091013		r	20	b	ob yb	gr cl si	qms			3	<0.2
K3096		588774.6	7090965	1066	r	10	b	ob	si cl	qms hem			1	<0.2
K3097		588802.2	7090930		s	15	b	ob	si cl	qv hem			1	0.2
K3098		588834.8	7090891		s	20	b	ob	si cl	qms			1	<0.2
K3099		588863.1	7090848		s	20	b	ob	si cl	qms			2	<0.2
K3100		588890.9	7090806	1067	s	20	b	ob	si cl	qms			2	<0.2
K3101		588918.4	7090766		s	20	b	ob	si cl	qms qv hem			2	0.2
K3102		588946.2	7090721		s	20	b	ob g	si cl	qms			2	<0.2
K3103		588980.4	7090684		s	20	b	ob	si cl	qv hem			2	<0.2
K3104		589011.8	7090655	1074	s	15	b	ob	si cl	qms			<1	<0.2
K3105		589043	7090610		f	15	b	ob	si cl	qms			5	<0.2
K3106		589074.4	7090564		s	20	b	ob g	si cl	qms			1	<0.2
K3107		589097.4	7090525		s	15	b	ob b	gv si cl	qms qv hem			2	0.2
K3108		589125.1	7090484	1064	s	30	b	ob	si cl	qms			4	0.2
K3109		589158.9	7090443		s	20	b	ob b	si cl	qms			1	<0.2
K3110		589189.2	7090405		s	15	b	ob	si cl	qms			2	0.4
K3111		589211.1	7090365		s	20	b	ob	si cl	qms			6	<0.2
K3112		589242.2	7090318	1040	s+	20	b	b ob	si cl	qms			2	0.4
K3113		589278.8	7090282		s	35	b	ob b	si cl		20m@360 to 3090		7	0.8
K3114		589307.1	7090239		s	10	b	ob	si cl	qms			1	0.2
K3115		589340.8	7090203		s	20	b	ob yb	si cl	qms			<1	0.2
K3116		589362.3	7090160	1014	s	20	b	yb ob	si cl	qms			1	<0.2
K3117		589399.5	7090119		s	10	b	ob	cl si	qms			1	0.2
K3118		589425.3	7090081		s	15	b	b yb	si cl	qv			1	<0.2
K3119		589454.3	7090044		s++	15	b	ob	gv cl si	qms qv			<1	0.6
K3120		589483.9	7090001	988	s++	30	b	ob yb	si cl	qms			<1	0.2
K3121		589514.9	7089959		s+	20	b	ob b	cl si	qms			<1	0.4
K3122		589541.7	7089915		s+	20	b	ob	si cl	no rock			1	0.2
K3123		589572.2	7089880		s	30	b	ob yb	si cl	qv qms			<1	<0.2
K3124		589601.8	7089838	962	s+	25	b	yb b	si gv	qms	poor soil dev.		1	0.2
K3125		589632	7089795		s	25	b	ob	si	qms			<1	<0.2
K3126		589663.7	7089755		s	15	b	ob yb	si cl	qv			3	<0.2
K3127		589686.6	7089717		s	25	b	b ob	cl si	no rock			4	<0.2
K3128		589724.3	7089678	933	s	25	b	yb	cl si	qv			4	0.2
K3129		589750.7	7089638		s	20	b	yb	cl	no rock			2	<0.2
K3130		589779	7089596		s	10	b	ob	si cl	qv			2	<0.2
K3131		589806.5	7089556		s	25	b	yb	si cl	qms			2	0.2
K3132		589842	7089513	905	s	20	b	yb	si cl	qv			1	<0.2

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993	2118
LINE K 95		GRAND FORKS 1:50,000 115-0/14											Au	Ag
Flannery pup ridge		Sampled: July 6-01			By: A.D. Ald.							Analysis Unit	ppb	ppm
		Sample Interval (m):										Detection Limit	1	0.2
K3133		589870.4	7089477		s	20	b	ob	gv si cl	qms			<1	<0.2
K3134		589900.8	7089435		s	25	b	ob	si cl	qms			1	0.2
K3135		589926.7	7089396		s	25	b	rb	cl si	qms			<1	0.6
K3136		589954.6	7089352	869	s	10	b	yb	gr si cl	qv			1	<0.2
K3137		589986.4	7089316		s	25	b	gb	si cl	qms			1	<0.2
K3138		590022.1	7089264		s	25	b	b	si cl	qms			2	1
K3139		590046.1	7089226		s	30	b	b g	gv cl si	qms			2	1
K3140		590071.2	7089196	835	s	20	b	b	gr cl si	qms			9	0.8
K3100													2	<0.2
K3141											check for 3100		2	<0.2
K3120													<1	0.2
K3142											check for 3120		1	0.4
K3140													9	0.8
K3143											check for 3140		7	0.8

SAMPLE No

LINE K 95
Flannery pup ridge

	2119 Al %	2120 As ppm	557 B ppm	2121 Ba ppm	2122 Be ppm	2123 Bi ppm	2124 Ca %	2125 Cd ppm	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2130 Ga ppm	2131 Hg ppm	2132 K %	2151 La ppm
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10
K3092	2.16	10	<10	450	0.5	<2	0.06	<0.5	8	24	15	2.63	<10	<1	0.04	10
K3093	1.6	14	<10	240	0.5	<2	0.05	<0.5	4	18	10	3.64	<10	<1	0.06	10
K3094	0.85	16	<10	280	<0.5	2	0.07	<0.5	3	12	6	1.04	<10	<1	0.04	20
K3095	1.43	4	<10	270	<0.5	<2	0.09	<0.5	3	17	8	1.73	<10	<1	0.05	10
K3096	1.63	10	<10	850	0.5	<2	0.06	<0.5	3	15	7	2.45	<10	<1	0.06	10
K3097	2.05	8	<10	320	0.5	<2	0.05	<0.5	7	23	9	2.87	<10	<1	0.05	10
K3098	1.09	14	<10	220	<0.5	<2	0.07	<0.5	4	15	8	1.65	<10	<1	0.06	20
K3099	1.49	10	<10	240	0.5	<2	0.09	<0.5	6	22	13	2.12	<10	<1	0.05	10
K3100	1.31	4	<10	450	0.5	<2	0.11	<0.5	6	21	17	1.98	<10	<1	0.05	20
K3101	1.78	6	<10	230	0.5	<2	0.06	<0.5	7	23	20	2.51	<10	<1	0.07	30
K3102	1.64	6	<10	270	<0.5	<2	0.06	<0.5	5	17	14	2.47	<10	<1	0.06	30
K3103	2.5	14	<10	220	0.5	<2	0.06	<0.5	8	35	17	3.4	<10	<1	0.03	10
K3104	1.16	4	<10	150	<0.5	<2	0.05	<0.5	4	9	13	1.89	<10	<1	0.08	40
k3105	2.03	12	<10	250	0.5	<2	0.07	<0.5	7	28	23	2.78	<10	<1	0.06	20
K3106	1.51	16	<10	150	<0.5	<2	0.04	<0.5	4	19	9	2.68	<10	<1	0.04	10
K3107	1	12	<10	140	<0.5	<2	0.05	<0.5	1	12	6	1.54	<10	<1	0.05	10
K3108	2.07	12	<10	250	0.5	<2	0.06	<0.5	7	24	14	2.73	<10	<1	0.06	10
K3109	1.44	12	<10	220	0.5	<2	0.08	<0.5	4	21	8	2.93	<10	<1	0.05	10
K3110	1.93	16	<10	270	0.5	<2	0.07	<0.5	6	24	9	3.24	<10	<1	0.04	10
K3111	1.85	28	<10	250	0.5	<2	0.07	<0.5	7	22	9	2.82	<10	<1	0.06	10
K3112	1.31	14	<10	390	0.5	<2	0.11	<0.5	3	12	5	1.73	<10	<1	0.07	10
K3113	1.96	14	<10	220	0.5	<2	0.06	<0.5	6	27	12	3.09	<10	<1	0.04	10
K3114	2.28	10	<10	230	0.5	<2	0.05	<0.5	6	25	9	3.03	<10	<1	0.04	10
K3115	1.15	4	<10	160	<0.5	<2	0.03	<0.5	2	9	5	1.31	<10	<1	0.06	30
K3116	1.34	6	<10	200	<0.5	<2	0.04	<0.5	4	16	9	1.58	<10	<1	0.05	40
K3117	1.84	10	<10	370	0.5	<2	0.07	<0.5	7	23	9	2.49	<10	<1	0.03	<10
K3118	1.29	6	<10	260	<0.5	<2	0.08	<0.5	4	17	10	1.77	<10	<1	0.04	20
K3119	0.67	<2	<10	460	<0.5	<2	0.06	<0.5	<1	4	4	0.82	<10	<1	0.06	50
K3120	0.94	<2	<10	180	<0.5	<2	0.04	<0.5	2	9	4	1.31	<10	<1	0.04	20
K3121	1	18	<10	260	<0.5	<2	0.04	<0.5	2	9	4	1.82	<10	<1	0.06	<10
K3122	1.11	6	<10	330	<0.5	<2	0.05	<0.5	5	14	3	1.9	<10	<1	0.04	<10
K3123	0.9	6	<10	260	<0.5	<2	0.03	<0.5	1	9	3	1.16	<10	<1	0.05	10
K3124	0.55	<2	<10	370	<0.5	<2	0.04	<0.5	6	4	1	0.76	<10	<1	0.07	30
K3125	1.29	8	<10	350	0.5	<2	0.06	<0.5	10	15	5	2.05	<10	<1	0.07	10
K3126	1.03	4	<10	260	<0.5	<2	0.03	<0.5	1	10	3	1.4	<10	<1	0.06	10
K3127	0.84	10	<10	270	<0.5	<2	0.09	<0.5	3	11	9	1.25	<10	<1	0.05	10
K3128	1.18	6	<10	250	<0.5	<2	0.12	<0.5	5	21	14	1.87	<10	<1	0.04	10
K3129	1.49	2	<10	370	<0.5	<2	0.23	<0.5	5	22	16	2.29	<10	<1	0.04	10
K3130	1.53	10	<10	240	<0.5	<2	0.06	<0.5	6	20	14	2.31	<10	<1	0.04	10
K3131	1.19	4	<10	190	<0.5	<2	0.05	<0.5	4	13	10	1.47	<10	<1	0.07	40
K3132	1.14	<2	<10	200	<0.5	<2	0.04	<0.5	3	11	10	1.33	<10	<1	0.07	50

SAMPLE No LINE K 95 Flannery pup ridge	2119	2120	557	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151
	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01	10
K3133	1.12	<2	<10	120	<0.5	<2	0.02	<0.5	2	6	9	1.44	<10	<1	0.06	40
K3134	1.51	<2	<10	190	<0.5	<2	0.04	<0.5	5	18	12	1.99	<10	<1	0.05	30
K3135	1.46	8	<10	240	0.5	<2	0.06	<0.5	6	19	13	2.42	<10	<1	0.06	30
K3136	1.31	<2	<10	230	<0.5	<2	0.04	<0.5	4	17	11	1.77	<10	<1	0.05	40
K3137	0.97	6	<10	140	<0.5	<2	0.05	<0.5	3	11	6	1.29	<10	<1	0.07	30
K3138	1.53	10	<10	350	0.5	<2	0.14	<0.5	11	19	14	2.67	<10	<1	0.11	20
K3139	0.92	20	<10	260	<0.5	<2	0.09	<0.5	5	12	7	1.46	<10	<1	0.09	30
K3140	0.93	16	<10	190	<0.5	<2	0.09	<0.5	3	13	7	1.42	<10	<1	0.07	10
K3100	1.31	4	<10	450	0.5	<2	0.11	<0.5	6	21	17	1.98	<10	<1	0.05	20
K3141	1.27	<2	<10	480	0.5	<2	0.1	<0.5	7	21	15	1.92	<10	<1	0.05	20
K3120	0.94	<2	<10	180	<0.5	<2	0.04	<0.5	2	9	4	1.31	<10	<1	0.04	20
K3142	1.27	6	<10	200	<0.5	<2	0.04	<0.5	4	13	8	1.77	<10	<1	0.04	20
K3140	0.93	16	<10	190	<0.5	<2	0.09	<0.5	3	13	7	1.42	<10	<1	0.07	10
K3143	0.91	14	<10	200	<0.5	<2	0.09	<0.5	3	12	7	1.41	<10	<1	0.08	20

SAMPLE No LINE K 95 Flannery pup ridge	2134	2135	2136	2137	2138	2139	2140	551	2141	2142	2143	2144	2145	2146	2147	2148	2149
	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K3092	0.36	225	<1	<0.01	17	190	20	0.01	<2	3	7	0.03	<10	<10	44	<10	46
K3093	0.26	175	<1	<0.01	9	350	24	0.01	<2	1	6	0.01	<10	<10	44	<10	38
K3094	0.19	75	<1	<0.01	7	80	22	<0.01	<2	1	10	0.03	<10	<10	22	<10	22
K3095	0.31	100	<1	<0.01	11	280	24	<0.01	<2	1	11	0.03	<10	<10	30	<10	34
K3096	0.24	135	3	<0.01	9	170	24	<0.01	<2	1	8	0.01	<10	<10	40	<10	30
K3097	0.32	320	1	<0.01	12	270	20	<0.01	<2	2	8	0.04	<10	<10	61	<10	40
K3098	0.26	105	<1	<0.01	9	140	24	<0.01	<2	1	10	0.03	<10	<10	28	<10	28
K3099	0.4	160	1	<0.01	12	170	16	<0.01	4	2	12	0.05	<10	<10	37	<10	42
K3100	0.38	170	<1	<0.01	13	210	24	<0.01	<2	3	13	0.04	<10	<10	35	<10	40
K3101	0.47	210	1	<0.01	16	200	24	<0.01	6	2	12	0.03	<10	<10	36	<10	50
K3102	0.35	145	1	<0.01	11	180	24	<0.01	<2	2	10	0.03	<10	<10	35	<10	40
K3103	0.44	305	2	<0.01	17	240	18	<0.01	2	4	10	0.06	<10	<10	66	<10	44
K3104	0.45	125	<1	<0.01	8	220	22	<0.01	<2	1	10	0.02	10	<10	19	<10	38
K3105	0.4	185	1	<0.01	18	200	18	<0.01	2	3	11	0.04	<10	<10	50	<10	42
K3106	0.28	160	1	<0.01	10	260	18	<0.01	<2	2	7	0.04	<10	<10	48	<10	36
K3107	0.17	95	<1	<0.01	7	180	20	<0.01	<2	<1	8	0.04	<10	<10	44	<10	24
K3108	0.43	190	1	<0.01	17	180	26	<0.01	8	3	11	0.03	<10	<10	48	<10	48
K3109	0.36	170	1	<0.01	10	290	18	0.01	4	1	9	0.05	<10	<10	58	<10	36
K3110	0.35	295	1	<0.01	13	300	20	<0.01	<2	2	10	0.05	<10	<10	66	<10	42
K3111	0.41	235	2	<0.01	13	210	18	<0.01	2	3	8	0.03	<10	<10	47	<10	48
K3112	0.21	95	<1	<0.01	6	190	16	<0.01	<2	1	11	0.01	<10	<10	39	<10	24
K3113	0.39	230	2	<0.01	13	270	18	<0.01	<2	3	9	0.05	<10	<10	59	<10	52
K3114	0.32	170	1	<0.01	14	380	24	<0.01	<2	2	8	0.03	<10	<10	56	<10	44
K3115	0.16	70	<1	<0.01	4	130	16	<0.01	<2	1	8	0.01	<10	<10	26	<10	22
K3116	0.39	160	1	<0.01	8	90	26	<0.01	2	2	9	0.03	<10	<10	26	<10	34
K3117	0.38	270	2	<0.01	13	170	16	<0.01	8	2	9	0.04	<10	<10	54	<10	38
K3118	0.45	145	1	<0.01	11	110	18	<0.01	<2	1	11	0.04	<10	<10	34	<10	36
K3119	0.27	45	1	<0.01	3	330	12	<0.01	<2	1	10	<0.01	10	<10	9	<10	18
K3120	0.33	85	<1	<0.01	5	120	12	<0.01	2	1	5	0.02	<10	<10	20	<10	32
K3121	0.3	95	<1	<0.01	6	150	10	<0.01	<2	1	6	0.03	<10	<10	22	<10	42
K3122	0.26	195	1	<0.01	7	200	18	<0.01	<2	1	6	0.04	<10	<10	40	<10	30
K3123	0.17	70	1	<0.01	5	80	24	<0.01	<2	1	4	0.02	<10	<10	22	<10	20
K3124	0.07	810	<1	<0.01	4	270	10	<0.01	<2	<1	7	0.01	<10	<10	13	<10	20
K3125	0.24	985	2	<0.01	10	440	20	<0.01	<2	1	7	0.03	<10	<10	39	<10	40
K3126	0.2	70	<1	<0.01	6	90	24	<0.01	<2	1	5	0.01	<10	<10	22	<10	22
K3127	0.25	85	<1	<0.01	8	200	22	<0.01	2	1	11	0.03	<10	<10	22	<10	32
K3128	0.37	120	1	0.01	13	300	12	<0.01	2	2	11	0.05	<10	<10	38	<10	36
K3129	0.48	180	<1	0.01	17	470	12	<0.01	<2	3	21	0.03	<10	<10	38	<10	40
K3130	0.42	170	<1	<0.01	14	140	12	<0.01	2	2	10	0.04	<10	<10	44	<10	38
K3131	0.49	90	<1	<0.01	9	210	16	<0.01	<2	1	10	0.01	10	<10	21	<10	30
K3132	0.48	80	<1	<0.01	7	150	22	<0.01	14	1	7	0.01	10	<10	19	<10	30

SAMPLE No	2134	2135	2136	2137	2138	2139	2140	551	2141	2142	2143	2144	2145	2146	2147	2148	2149
LINE K 95	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
Flannery pup ridge	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01	10	10	1	10	2
K3133	0.65	85	<1	<0.01	5	200	16	<0.01	2	1	6	0.01	10	<10	12	<10	36
K3134	0.47	125	<1	<0.01	14	170	22	<0.01	6	1	6	0.03	10	<10	33	<10	38
K3135	0.43	205	1	<0.01	13	200	38	<0.01	12	1	9	0.04	<10	<10	45	<10	40
K3136	0.64	135	1	<0.01	11	140	12	<0.01	<2	1	9	0.01	<10	<10	25	<10	38
K3137	0.36	110	<1	<0.01	8	180	16	<0.01	2	1	7	0.02	10	<10	24	<10	26
K3138	0.33	660	<1	<0.01	14	470	24	0.01	6	1	14	0.03	<10	<10	54	<10	42
K3139	0.27	290	1	<0.01	8	370	14	0.01	<2	<1	10	0.01	10	<10	28	<10	28
K3140	0.27	145	3	<0.01	8	170	16	<0.01	<2	1	10	0.03	<10	<10	29	<10	26
K3100	0.38	170	<1	<0.01	13	210	24	<0.01	<2	3	13	0.04	<10	<10	35	<10	40
K3141	0.38	200	1	<0.01	14	240	22	<0.01	8	3	12	0.04	<10	<10	34	<10	36
K3120	0.33	85	<1	<0.01	5	120	12	<0.01	2	1	5	0.02	<10	<10	20	<10	32
K3142	0.4	105	<1	<0.01	9	140	14	<0.01	8	1	6	0.02	<10	<10	26	<10	36
K3140	0.27	145	3	<0.01	8	170	16	<0.01	<2	1	10	0.03	<10	<10	29	<10	26
K3143	0.25	120	<1	<0.01	8	180	16	<0.01	6	1	11	0.03	<10	<10	29	<10	26

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

TRAVERSE K 97

Carmacks Fork

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

Sampled: July 5/01

By: PL & AF

Sample Interval (m): 50 m

Scheme Code
Analysis Unit
Detection Limit

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

K2140	591499.1	7089302	676	s++	20	ab w	b yb	gr si cl	q ser ox	check K2155	0.55	6	43	<0.1	246
K2141	591467.5	7089329		s++	20	ab d	rb	si cl	qte ser p		<0.1	11	16	<0.1	18.6
K2142	591424.1	7089365		s+	20	ab d	b yb	gr si cl	qv p ser?		<0.1	10	17	<0.1	18.9
K2143	n/a	n/a		s+	20	ba w	yb b	gr si cl	bull q grey q		<0.1	11	37	<0.1	27.1
K2144	591344.7	7089423	n/a	s	20	b d	rb	si cl	grey q		<0.1	9	26	<0.1	43.5
K2145	591304.3	7089453		s	20	b d	yb b	si cl	bull q hem		0.21	6	32	<0.1	29.7
K2146	591263	7089488		s	20	b d	g yb	gr si cl	qte ser ox		0.28	11	27	<0.1	34.3
K2147	591225.3	7089517		s	25	b w	yb b	si cl	qv		0.17	37	58	<0.1	14.2
K2148	591180.8	7089544	733	s+	25	b w	b	si cl	bull q hem		<0.1	37	161	<0.1	19.6
K2149	591144.5	7089578		s	25	ab w	b	gr si cl	bull q		0.21	4	138	<0.1	14.8
K2150	591110.1	7089613		s	20	ba w	b	si cl	qs bull q		0.13	2	133	<0.1	39.5
K2151	591060.6	7089631		s++	25	ab w	b yb	si cl	carbqs		0.31	4	220	<0.1	34.2
K2152	591017.8	7089665	722	s++	20	ab d	b	gr si cl	carbs cs	eep- explains 2 rock types	0.21	14	160	<0.1	22.6
K2153	590989.1	7089699		s++	20	ac d	b	gr si cl	sers carbs	eep- explains 2 rock types	0.16	3	155	<0.1	8.82
K2154	590943.1	7089726	694	s++	20	ac d	b	gr si cl	sers carbs	eep- explains 2 rock types	0.35	172	948	0.2	17.3
K2155										check for 2140	2.14	32	139	<0.1	284

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE K 98		GRAND FORKS 1:50,000 115-0/14									
Carmacks Fork		Sampled: Jul4,5/01		By: PL & AF							
		Sample Interval (m): 50 m									
K2108		591771.9	7089679	705	s	15	a w	b	cl	n/a	
K2109		591802.6	7089654		s++	35	a pf	b	cl	n/a	
K2110		591843.8	7089622		s++	35	b a pf	b	cl	n/a	
K2111		591889.8	7089580		s+	30	b a pf	b	cl	qms	
K2112		591919.6	7089559	747	s+	25	b w	b	cl	n/a	
K2113		591960.5	7089531		s	20	ab w	b	gr cl	qms ox	
K2114		591998.9	7089496		s+	20	ab w	b	gr cl	qms ox	
K2115		592038.3	7089463		s	20	ab w	b	gr cl	qms ox	
K2116		592078.1	7089427	782	s	20	ab w	b	gr cl	n/a	
K2117		592120.9	7089404		s+	25	b a w	yb	si cl	qv qms	
K2118		592164.1	7089374		s+	25	b a w	yb	si cl	qms ox	
K2119		592198.5	7089342		s	25	b a w	yb	si cl	qms ox	
K2120		592237.3	7089313	799	s+	20	b d c?	yb	gr si cl	qte ser	mylonite
K2121		592276	7089284		s+	20	b w	yb	gv si cl	q ser ox	altered dolerite
K2122		592319.7	7089250		s	20	a d	b	cl	q ser ox	altered dolerite
K2123		592357.5	7089218		s	20	b d	rb	gr cl	cs mt	altered dolerite
K2124		592395.4	7089191	816	s	20	b d	rb	gr cl	cs mt	altered dolerite
K2125		592432.4	7089160		s	20	b d	rb	si cl	cs mt	altered dolerite
K2126		592474.5	7089125		s	20	b d	yb	si cl	cs mt	altered dolerite
K2127		592508.4	7089094		s	20	ab d	yb	si cl	qt mt	altered dolerite
K2128		592553.5	7089063	803	s+	20	a b d	b/yb	si cl	qv	
K2129		592591.1	7089031		s+	20	a b d	b/yb	si cl	n/a	
K2130		592626.9	7089004		s+	20	b d	yb	si cl	cs mt	altered dolerite
K2131		592673.6	7088965		s++	20	b d	rb	si cl	cs ox mt	altered dolerite
K2132		592712.2	7088943	752	s++	20	b d	rb	si cl	n/a	
K2133		592751.1	7088919		s++	20	b d	yb	si cl	cs qv	altered dolerite
K2134		592788.5	7088882		s++	25	b d	yb	si cl	cqs	altered dolerite
K2135		592824.6	7088846		s++	20	b d	rb	si cl	cs	altered dolerite
K2136		592865.7	7088820	n/a	s++	20	ab d	b rb	si cl	cqs	altered dolerite
K2137		592903.5	7088787		s+	30	a b d	b	si cl	n/a	
K2138		592947.3	7088757	699	v	30	ab w	b yb	si cl	cs	altered dolerite

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.2	4	78	<0.1	2.32
0.13	62	312	<0.1	5.06
0.14	100	147	<0.1	5.95
<0.1	124	504	<0.1	4.56
<0.1	98	144	<0.1	7.2
<0.1	50	44	0.13	2.87
<0.1	20	26	<0.1	0.7
<0.1	19	20	<0.1	2.77
<0.1	20	19	<0.1	1.67
<0.1	34	39	<0.1	2.22
0.17	86	547	<0.1	25.6
0.13	135	258	<0.1	14
0.2	8	18	<0.1	19.8
<0.1	9	25	<0.1	3.37
<0.1	16	20	<0.1	6.45
<0.1	4	18	<0.1	28.7
<0.1	24	14	<0.1	39.7
<0.1	6	53	<0.1	64.1
<0.1	5	9	<0.1	32.3
0.24	6	37	<0.1	24.2
0.1	11	93	<0.1	26.6
<0.1	5	364	<0.1	72.3
<0.1	16	24	<0.1	37.4
<0.1	5	25	<0.1	30.3
0.21	7	38	<0.1	16.9
<0.1	9	23	<0.1	7.88
<0.1	50	25	<0.1	2.09
<0.1	4	29	<0.1	16.6
<0.1	9	36	<0.1	23.7
<0.1	50	45	0.24	0.33
<0.1	14	21	<0.1	4.99

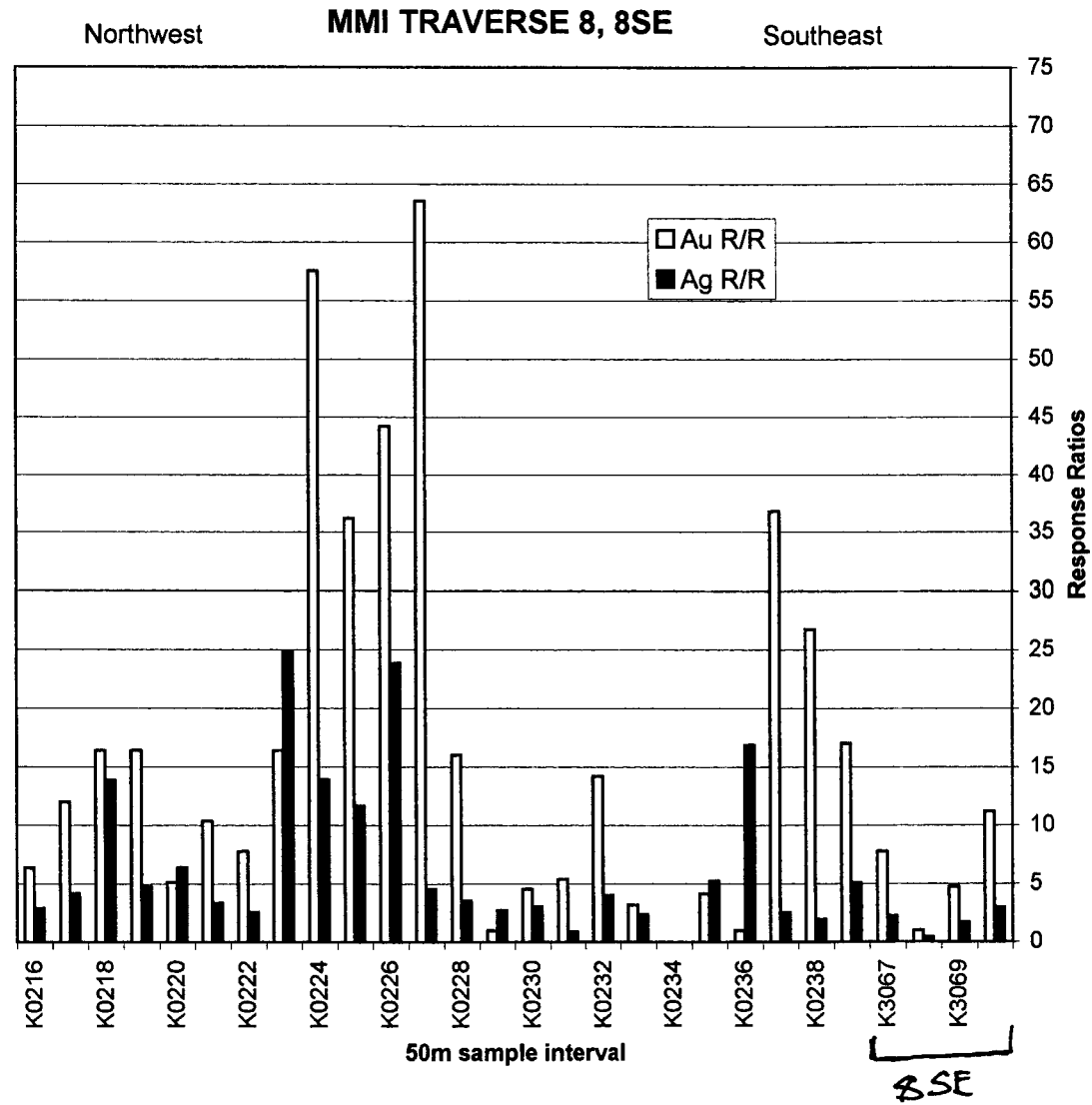
SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
LINE K 101		GRAND FORKS 1:50,000 115-0/14									
Last Chance		Sampled: 04-Jul-01		By: A.D., Al D.							
		Sample Interval (m): 50 m									
										Scheme Code	
										Analysis Unit	
										Detection Limit	
K3027		590650.8	7091651	901 s+		25 pf org	y b	gr gv si cl	sil qms lim		
K3028		590692	7091618	s+		20 b sk w	y b	cl si gv	qv qms lim		
K3029		590731.5	7091591	s+		35 a-b sk w	y b	cl gv	sil qms lim		
K3030		590772.5	7091564	891 s+		25 a sk	b	cl gr gv	sil qms lim		
K3031		590816	7091537	s+		30 b w	b	cl	qms qv		
K3032		590858.3	7091509	s+		30 b pf sk	y b	gr cl	qms lim	not as silicified	
K3033		590901.6	7091486	s+		10 b pf sk	y b	gr cl	qms qv lim		
K3034		590942.1	7091462	s+		15 b pf	y b	cl	ser q s		
K3035		590984.3	7091431	899 s+		20 ba	b	si cl	ser q s		
K3036		591025.9	7091401	s+		10 ba pf	y b	gr gv cl	qms		
K3037		591069.5	7091376	s+		15 b	y b	gr cl	qms		
K3038		591113.4	7091352	s		25 ba pf	y b b	cl	qms		
K3039		591152.6	7091326	919 s		15 a	b	si cl	qms		
K3040		591194.1	7091299	s		25 b<a	b	si	qms		
K3041		591237.6	7091269	s		20 b<a	ob	gr si cl	qms		
K3042		591280.5	7091242	s		20 a<b	y b	cl si gv	qms		
K3043		591320.7	7091219	935 s		20 ba	y b	gr si cl	qms/qte		
K3044		591362.3	7091189	s		30 a	b	cl si gv	qms		
K3045		591405.8	7091160	s+		20 b<a	ob	gr si	qv qms lim		
K3046		591446.5	7091135	s		25 b	ob g	gr si cl	qms		
K3047		591488.8	7091109	944 s		20 b<a	y b g	gr cl	qms		
K3048		591530.7	7091080	s		30 ba sk	gb	gr si cl	qte		
K3049		591576.2	7091054	s+		30 b<a sk	y b/ob	gr cl si	qms		
K3050		591616.7	7091028	s		15 b	y b	gr si cl	qms		
K3051		591657.2	7091002	948 s		30 a<b	gb	gr si	qv qms lim		
K3052		591705.4	7090974	s		15 b<org	ob	si cl	qms		
K3053		591749.2	7090945	s		25 a sk	b	gr si	qms		
K3054		591784.7	7090916	s		10 b<<a	ob	cl si gv	qv qms lim		
K3055		591828.8	7090894	947 s		10	8 ob	si cl	q ser s		
K3056		591874.4	7090873	s		20 b	ob g	si cl	qms		
K3057		591913.3	7090841	s		20 b<a	ob b	si cl	no rocks		
K3058		591958.2	7090816	s		15 b	y b	si cl	qms		
K3059		591992.9	7090792	859 s		15 b<<a	ob	si cl	qms		
K3060		592039.9	7090760	s++		5 b	ob g	si	qms		
K3061		592086	7090732	s		15 b	ob	cl si	qms		
K3062		592133.6	7090706	s		15 b	ob	cl si	qms		
K3063		592165.2	7090678	s+		10 ba	y b b	cl si	qte		
K3064		592207	7090652	817 s+		5 b	ob	cl si	qte		
K3040											
K3065											
										check for 3040	
K3060											
K3066											
										check for 3060	
K3038											
DUP-3038											
K3050											
DUP-3050											
K3062											
DUP-3062											

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.33	8	17	<0.1	6.44
1.07	10	13	<0.1	10.7
1.29	9	18	<0.1	4.27
0.18	8	12	0.1	1.15
0.37	12	24	<0.1	7.56
0.3	27	32	<0.1	8.09
0.32	16	26	<0.1	4.01
0.12	22	43	0.12	1.86
<0.1	7	19	<0.1	0.93
0.57	9	18	<0.1	3.89
0.23	23	14	<0.1	3.46
0.27	15	25	<0.1	3.19
<0.1	8	5	<0.1	0.49
<0.1	7	<3	<0.1	0.2
0.23	6	<3	<0.1	0.43
<0.1	9	7	<0.1	0.77
0.2	32	17	<0.1	3.26
<0.1	6	7	<0.1	0.26
<0.1	6	8	<0.1	1.23
<0.1	7	6	<0.1	3.3
<0.1	11	7	<0.1	4.02
0.18	6	19	<0.1	1.52
0.27	4	6	<0.1	7.91
0.3	5	9	<0.1	1.28
<0.1	7	5	<0.1	0.29
<0.1	2	5	<0.1	2.1
<0.1	3	7	<0.1	0.31
<0.1	2	<3	<0.1	4.88
0.12	2	6	<0.1	24.3
<0.1	5	8	<0.1	16.6
<0.1	14	17	<0.1	68.7
0.16	2	12	<0.1	16
<0.1	8	19	<0.1	23.4
0.12	6	25	<0.1	53.2
<0.1	5	37	<0.1	13.5
<0.1	5	19	<0.1	47.7
<0.1	7	14	<0.1	28.7
0.23	14	20	<0.1	12.7
<0.1	7	<3	<0.1	0.2
<0.1	10	13	<0.1	0.15
0.12	6	25	<0.1	53.2
0.25	6	19	<0.1	78.3
0.27	15	25	<0.1	3.19
0.19	12	21	<0.1	2.8
0.3	5	9	<0.1	1.28
0.1	5	12	<0.1	1.14
<0.1	5	19	<0.1	47.7
<0.1	6	21	<0.1	44.4

APPENDIX III

**2001 Soil Geochemical Sampling Program
Profiles of MMI and –80 mesh Analytical Data**

KSL EXPLORATION (YUKON) LIMITED

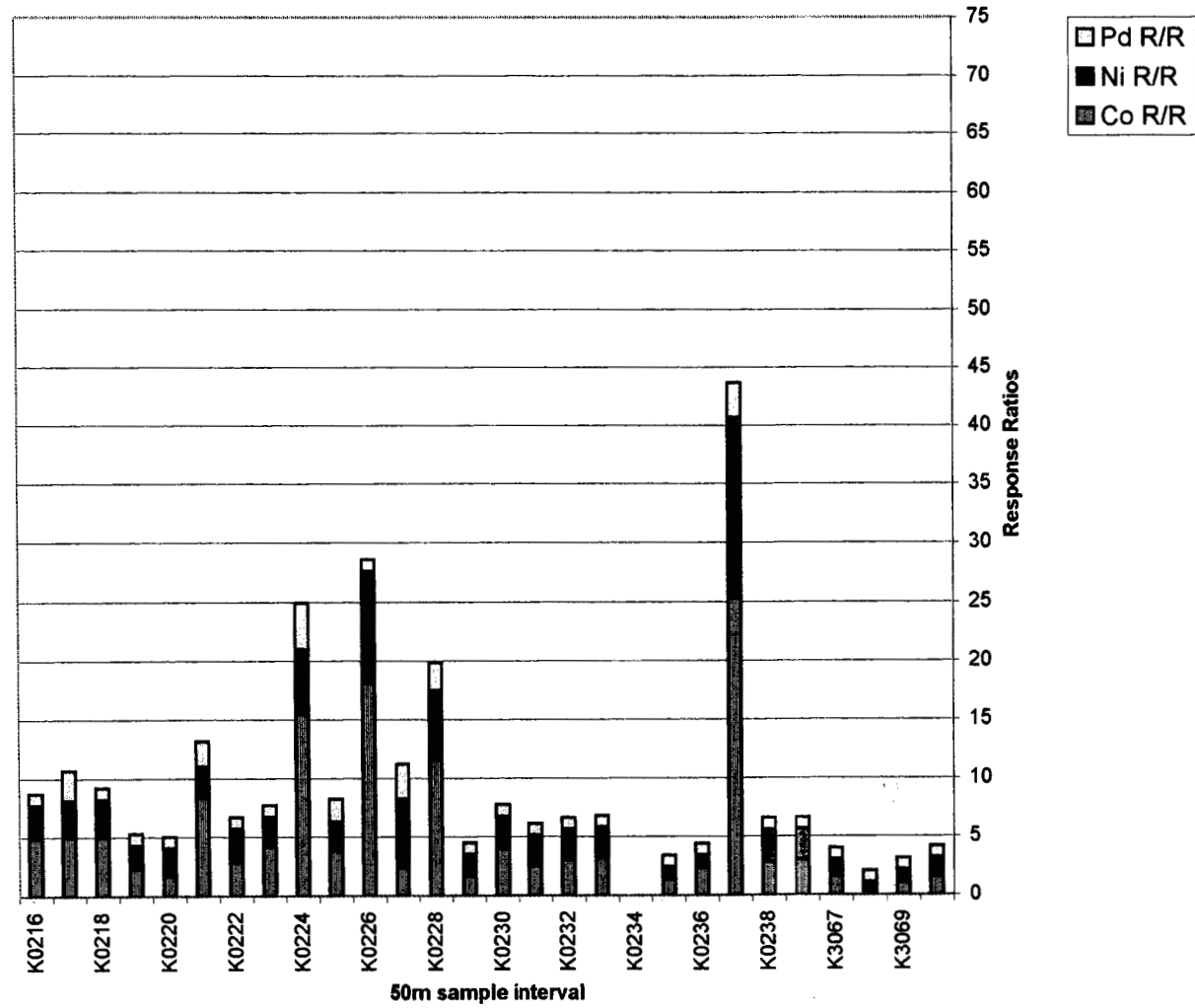


KSL EXPLORATION (YUKON) LIMITED

Northwest

MMI TRAVERSE 8, 8SE

Southeast

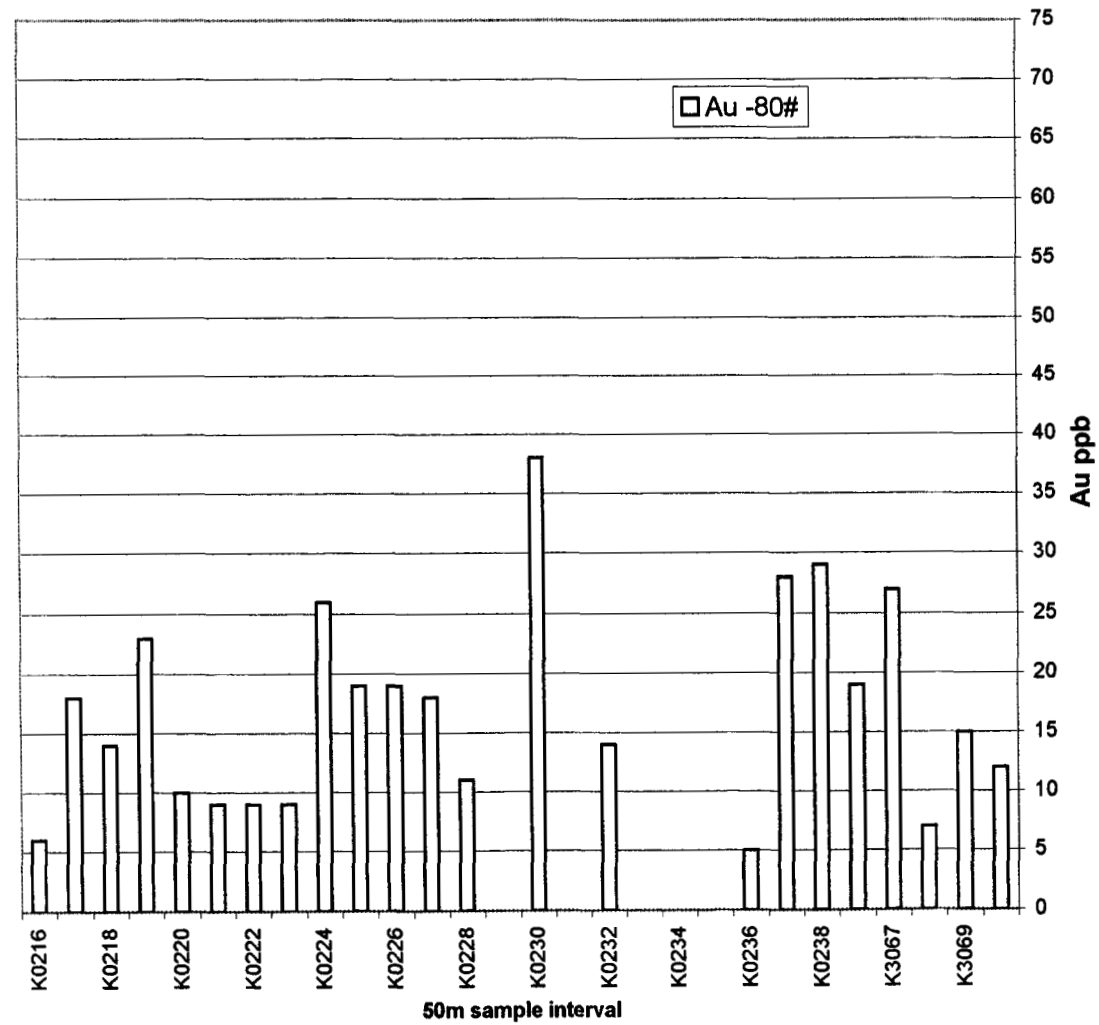


KSL EXPLORATION (YUKON) LIMITED

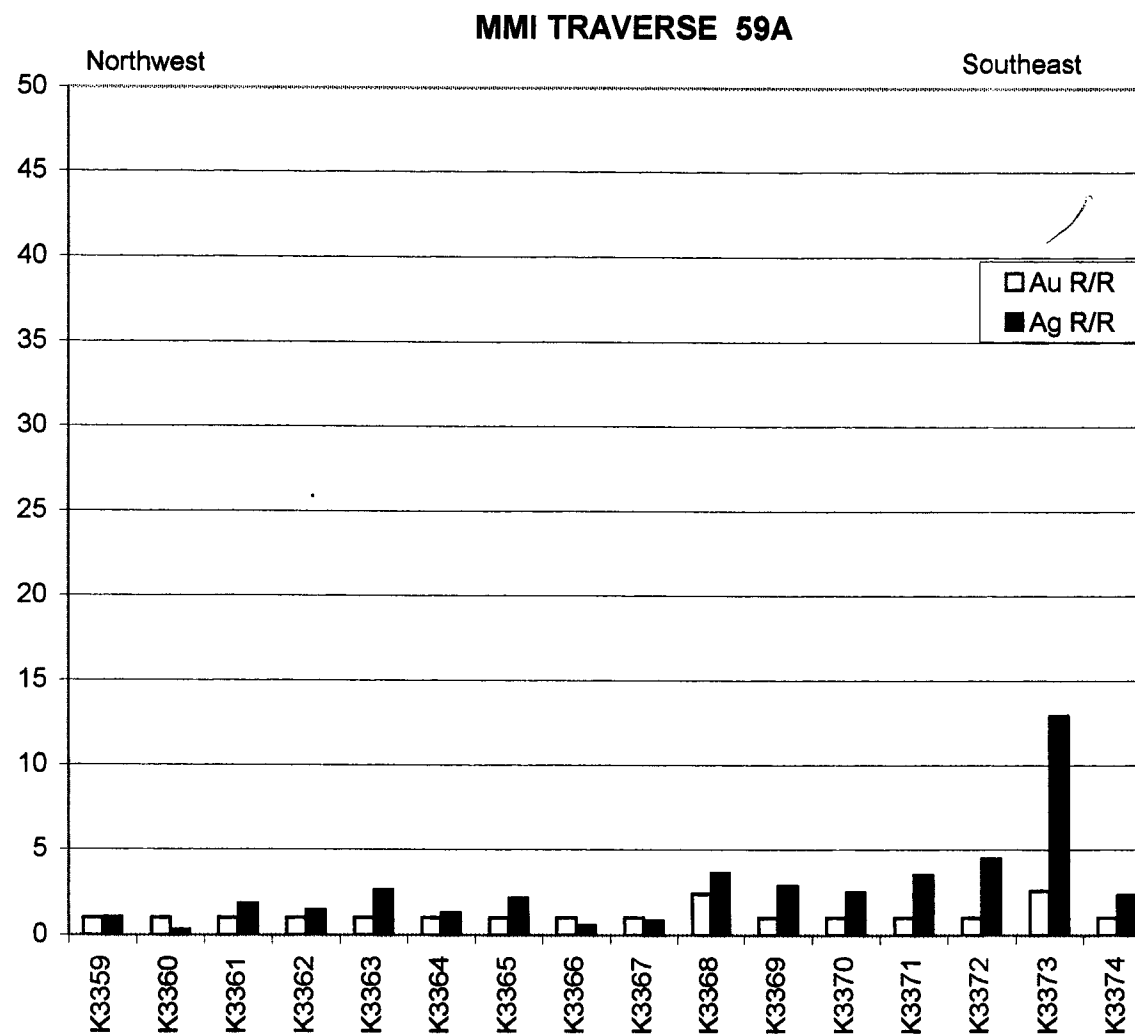
Northwest

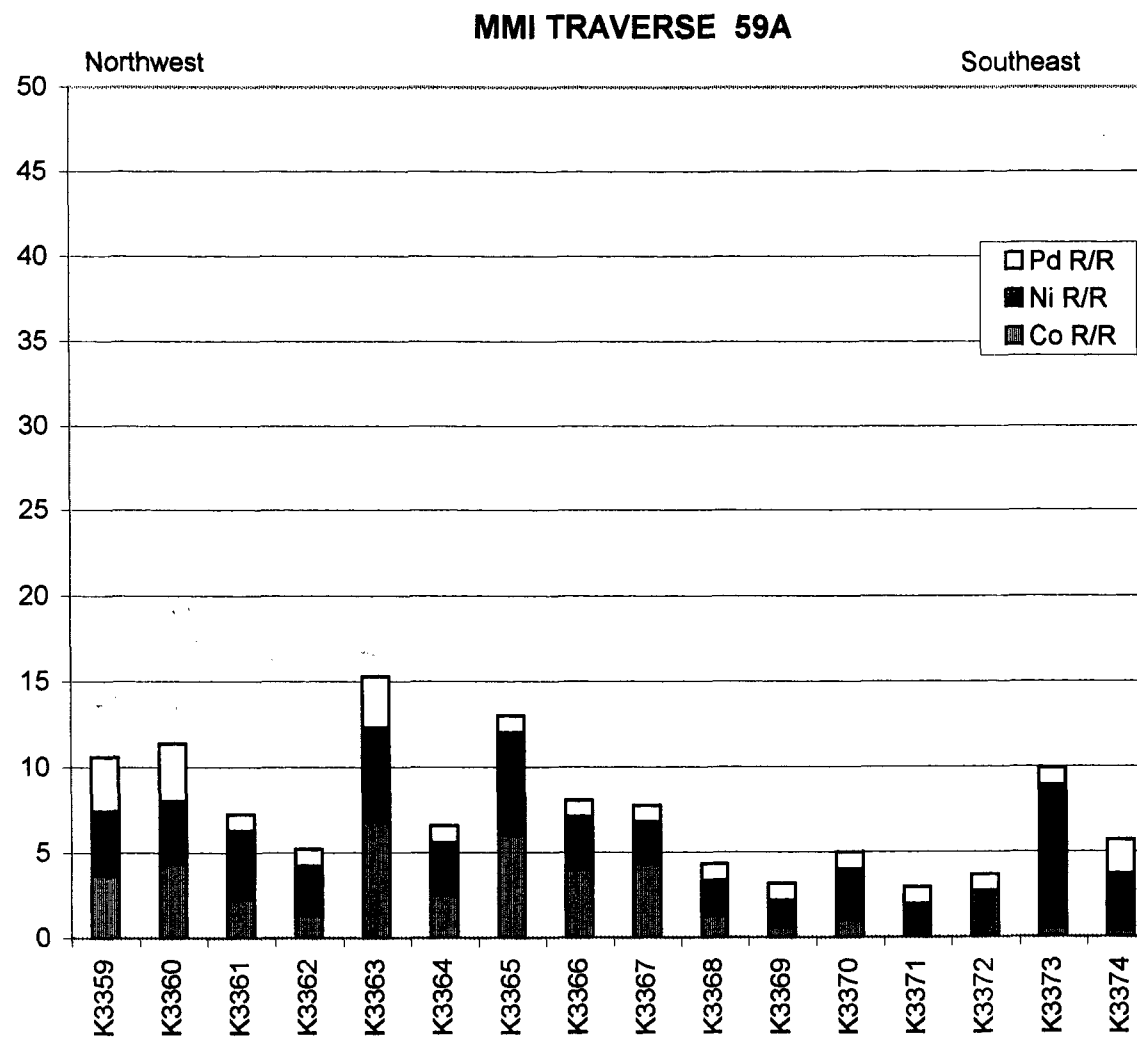
-80# TRAVERSE 8, 8SE

Southeast

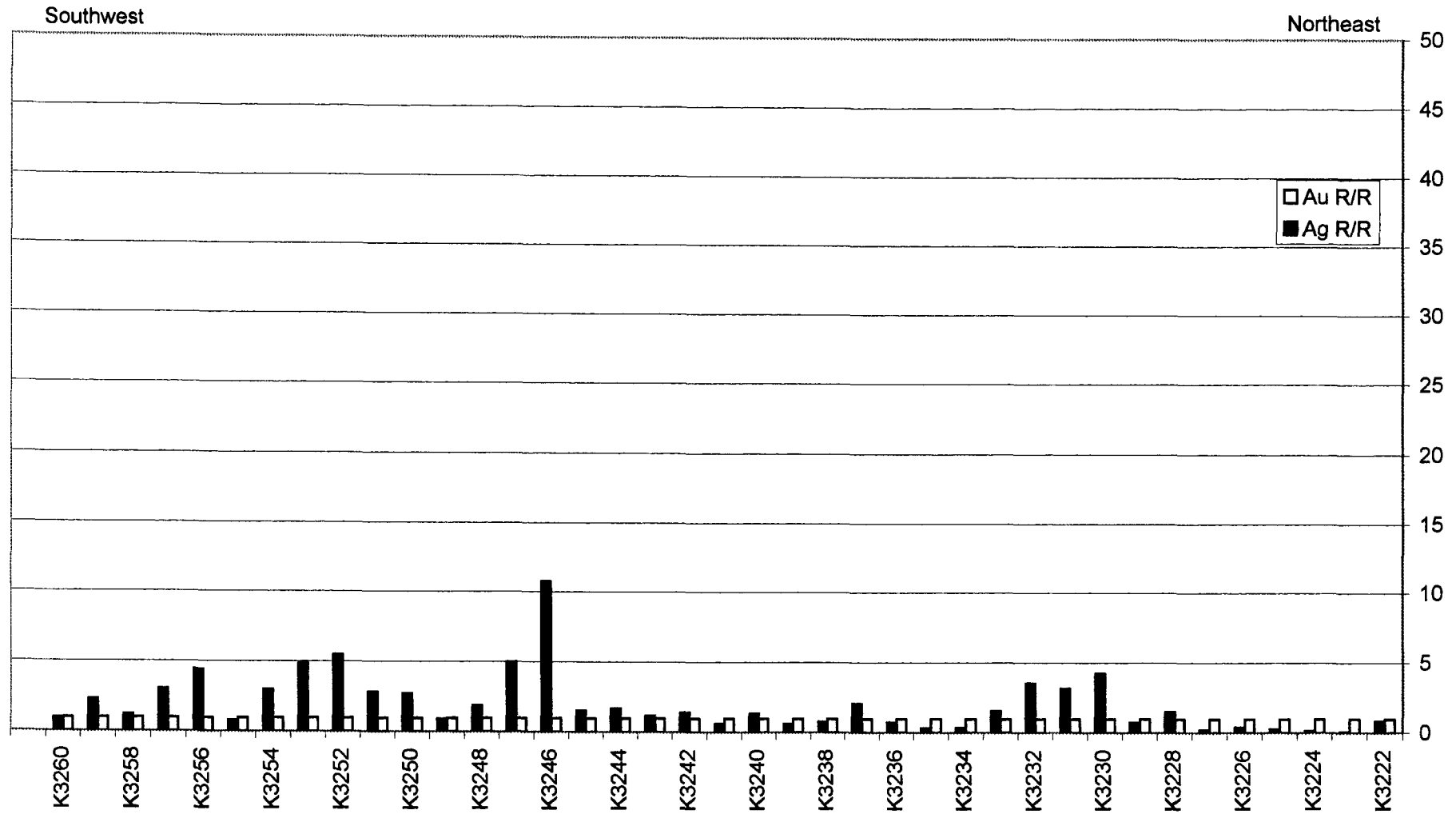


Tr8, 8SE(-80)

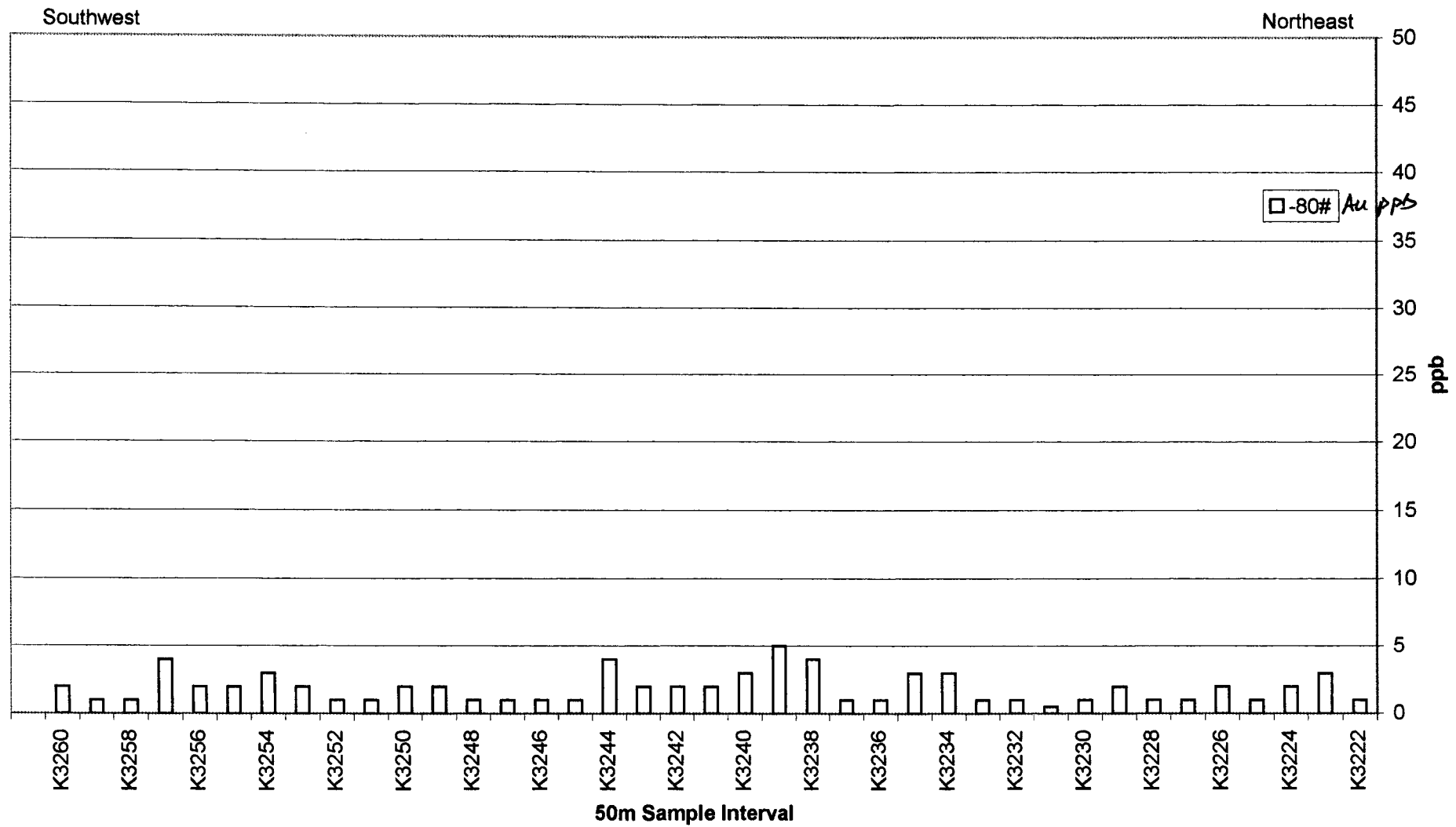




MMI TRAVERSE 65

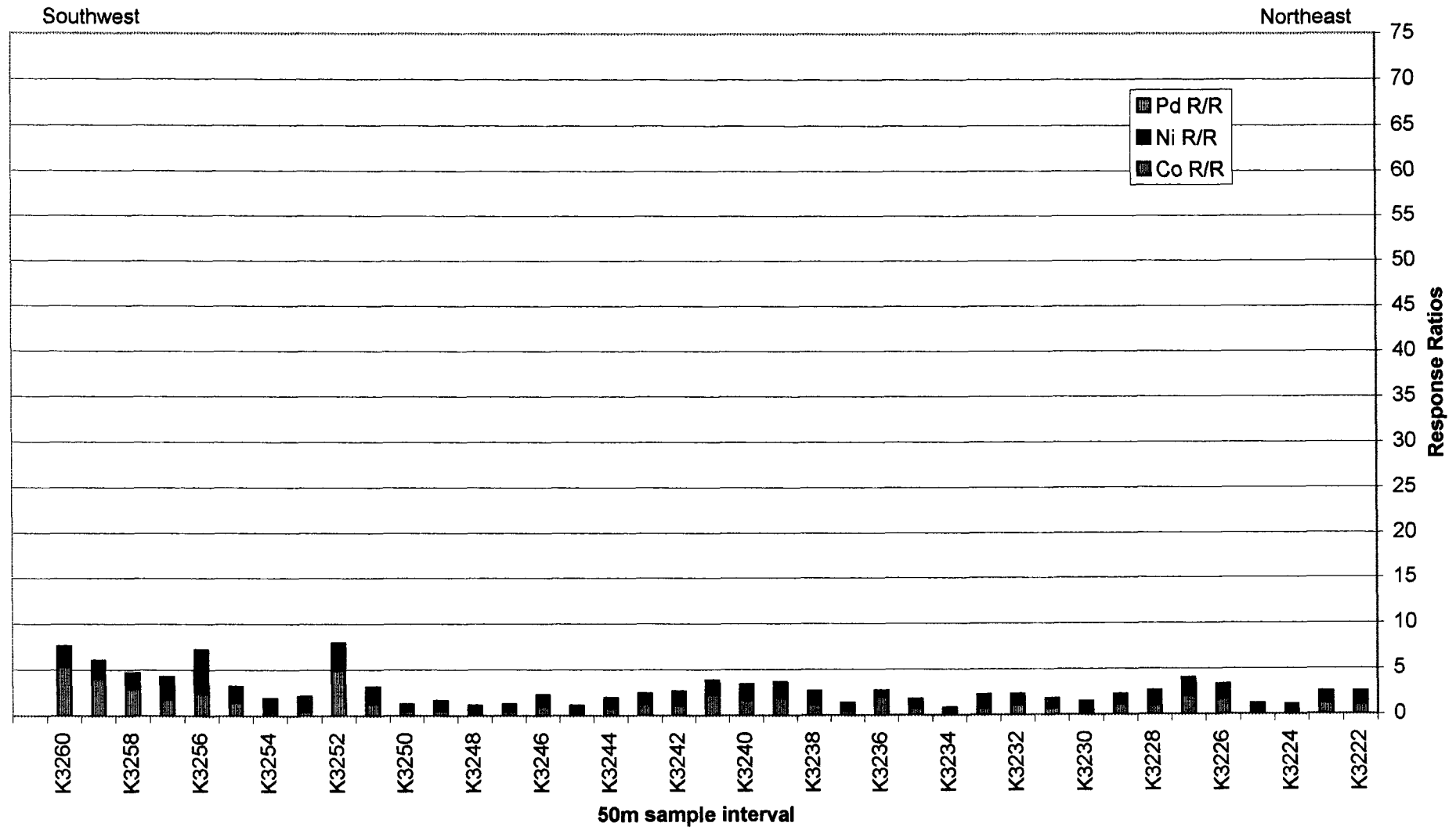


MMI TRAVERSE 65 (-80)Au

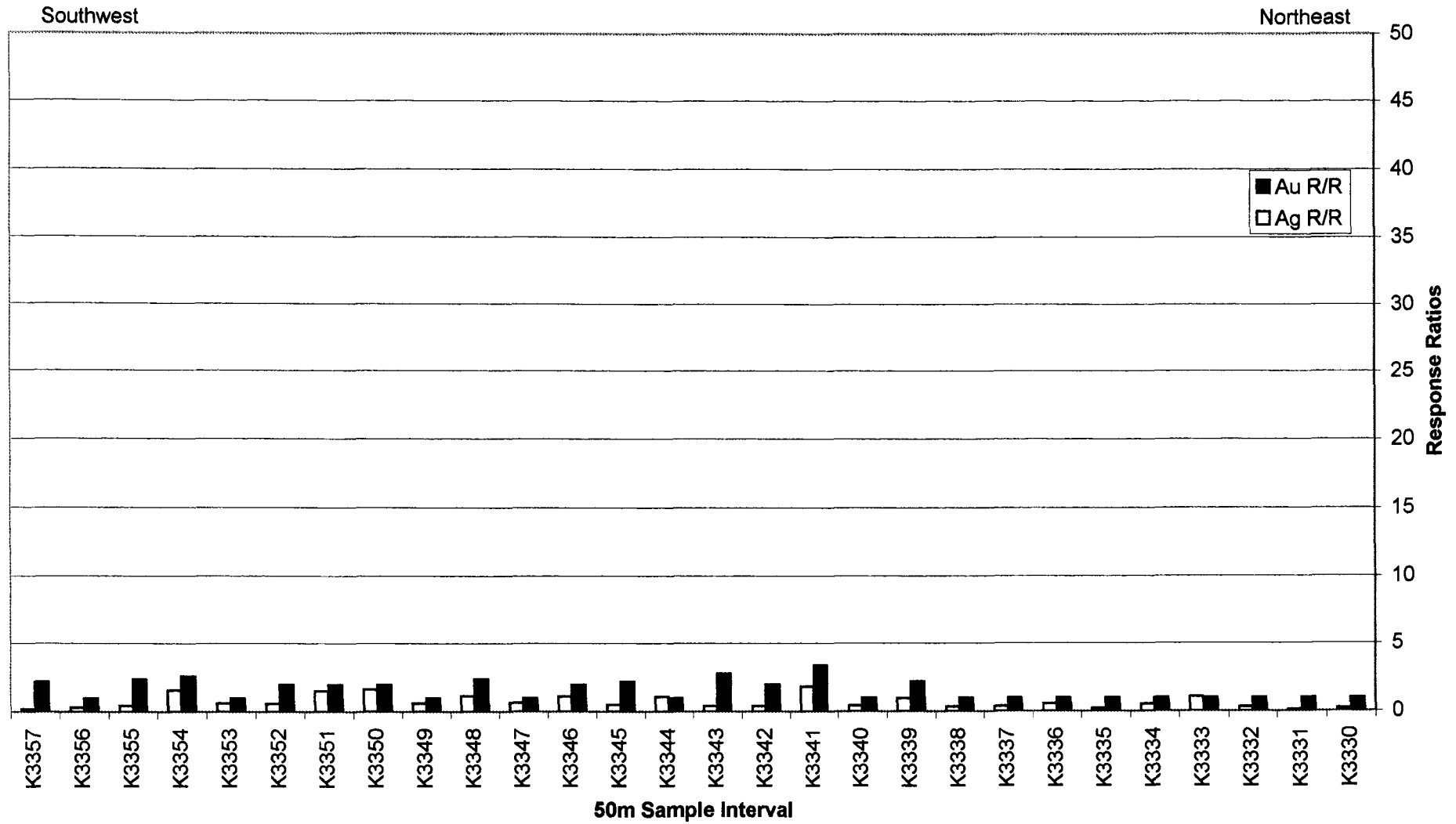


Tr 65(-80)Au

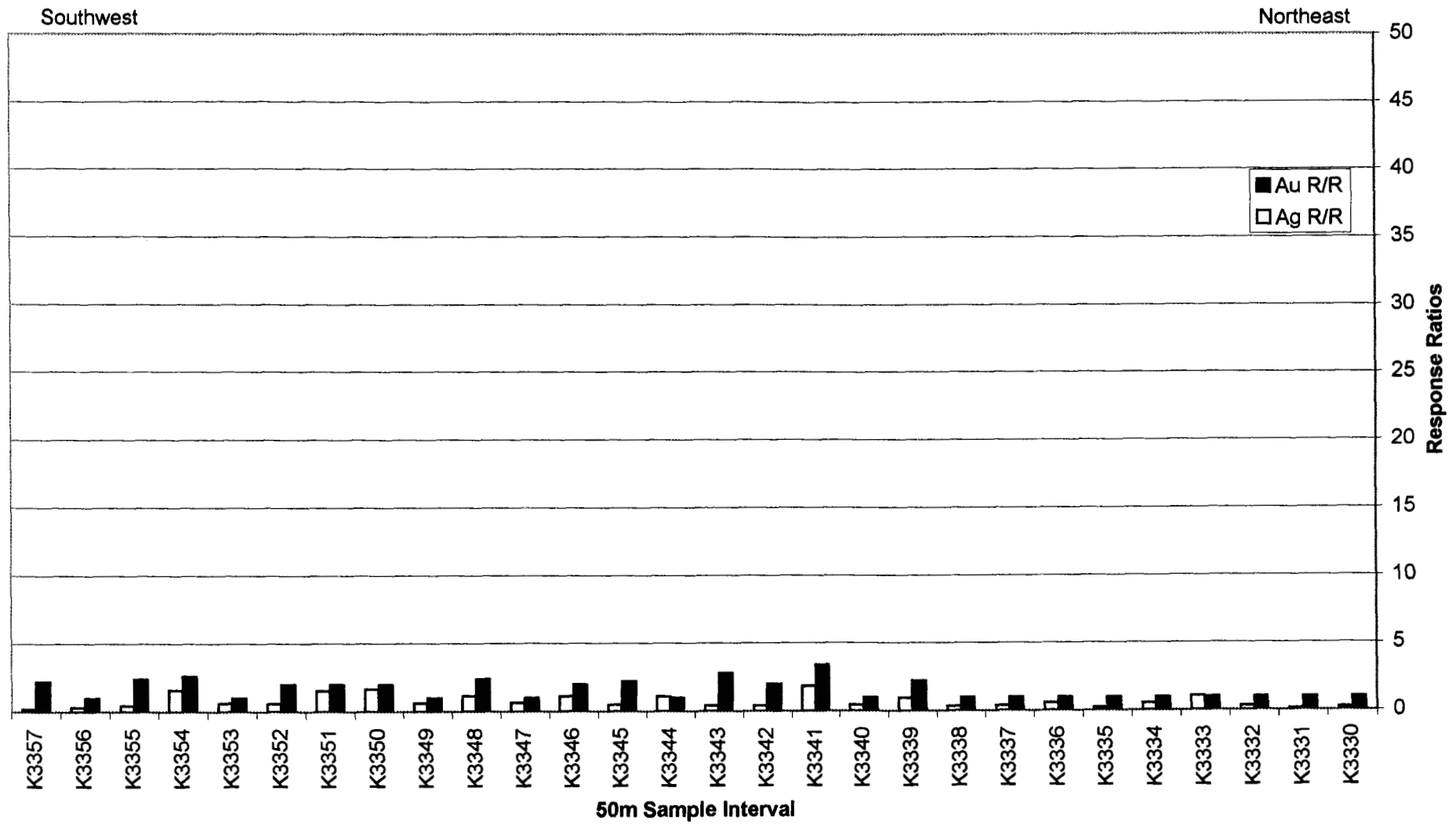
MMI TRAVERSE 65



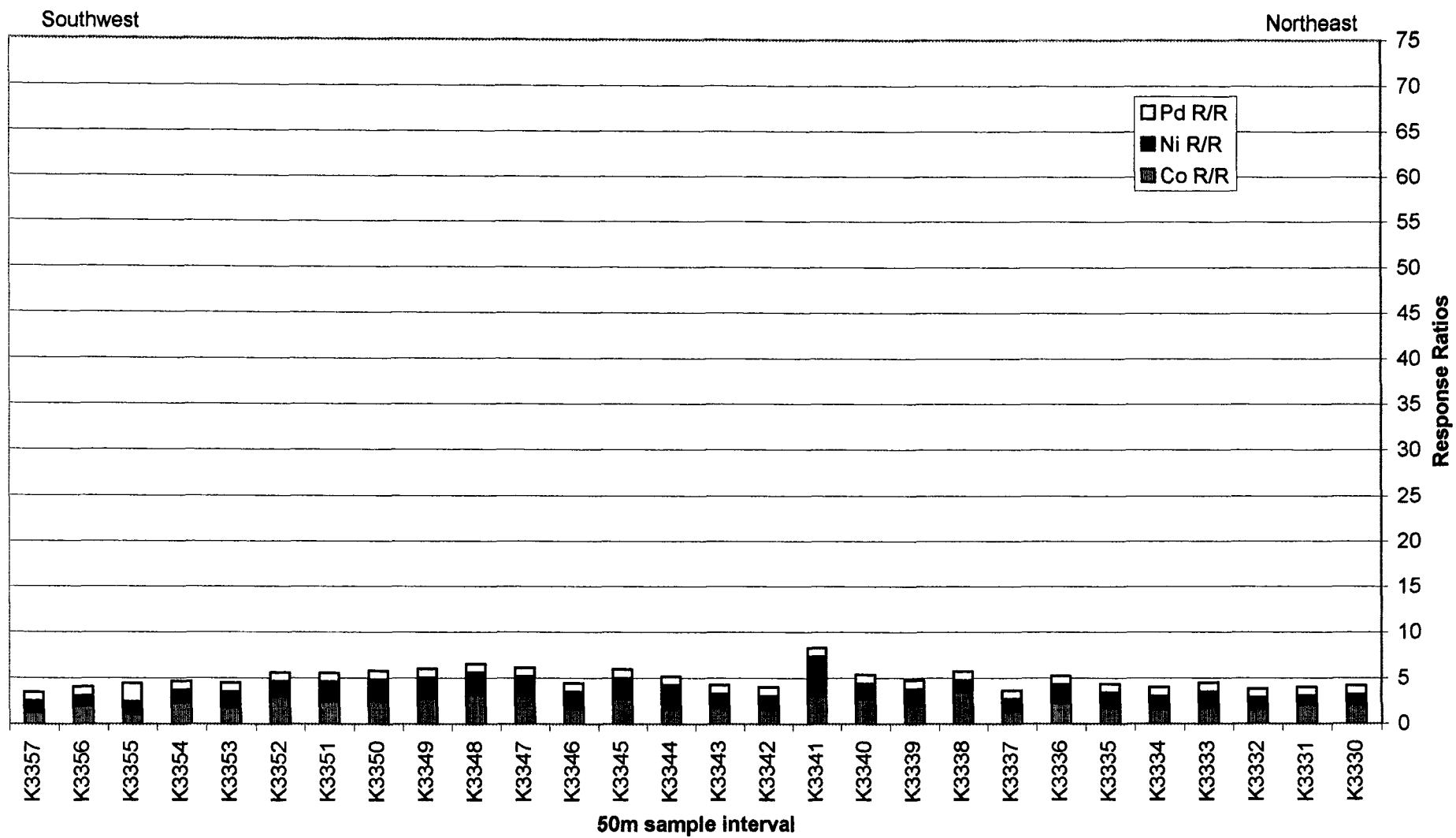
MMI TRAVERSE 68



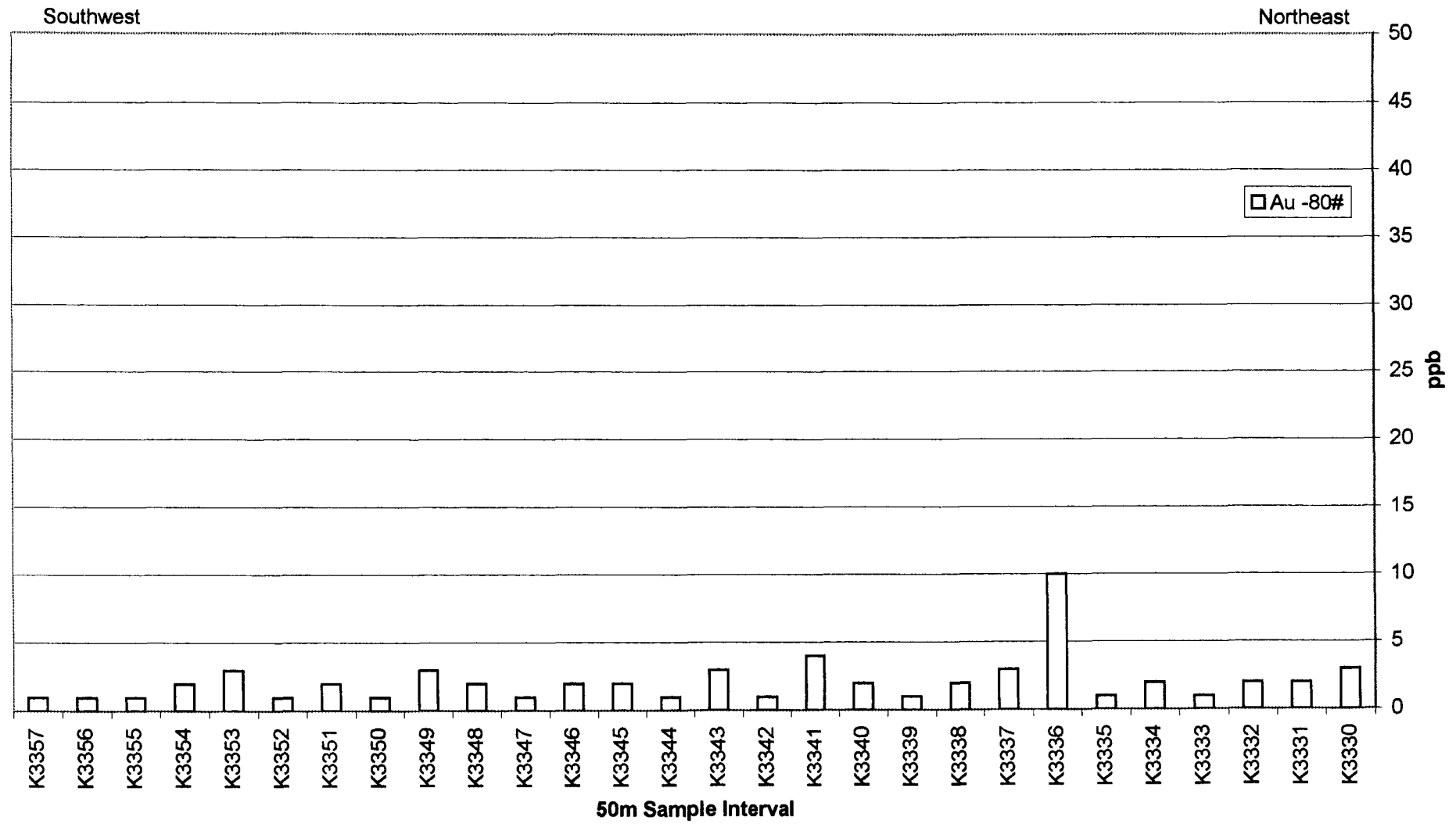
MMI TRAVERSE 68



MMI TRAVERSE 68

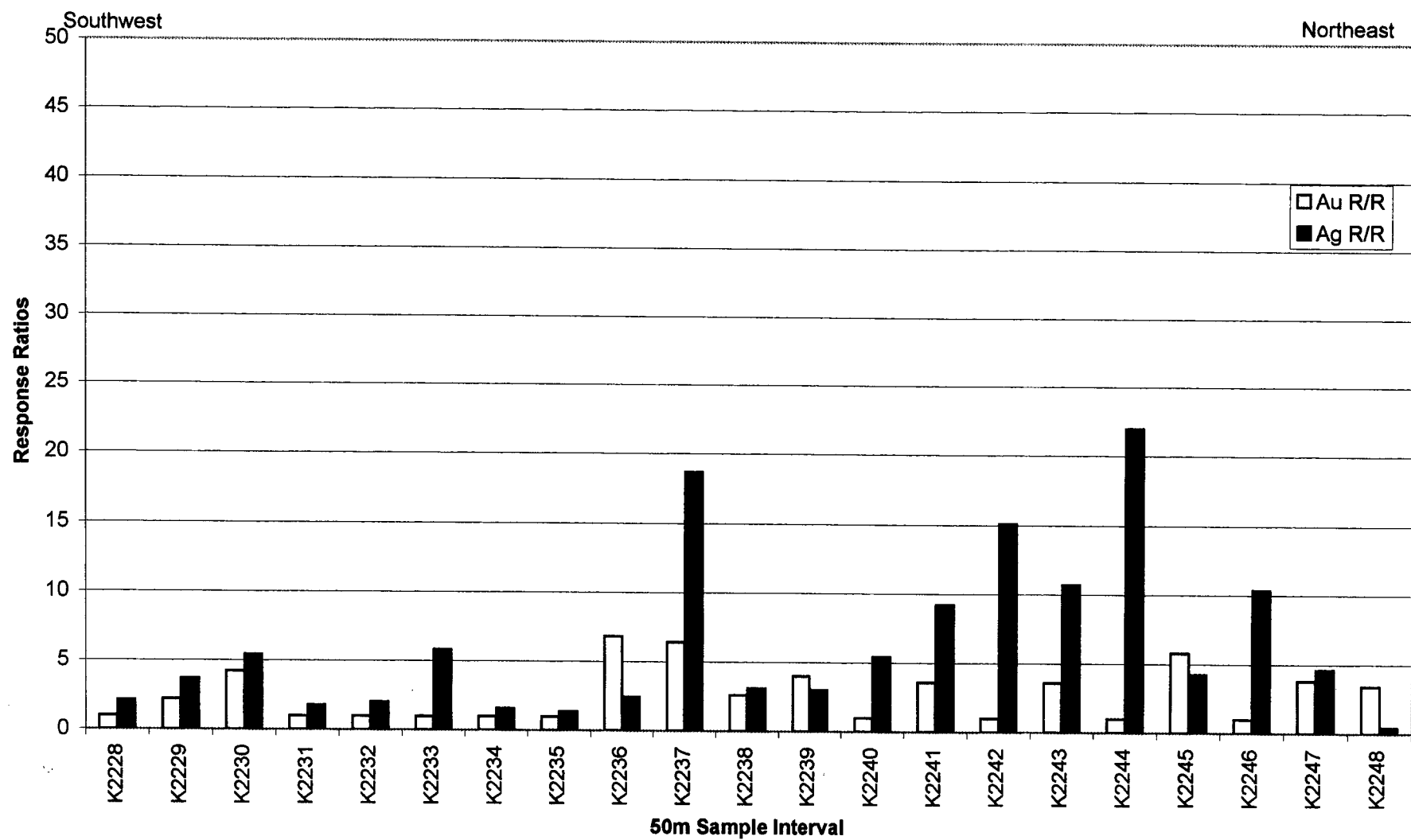


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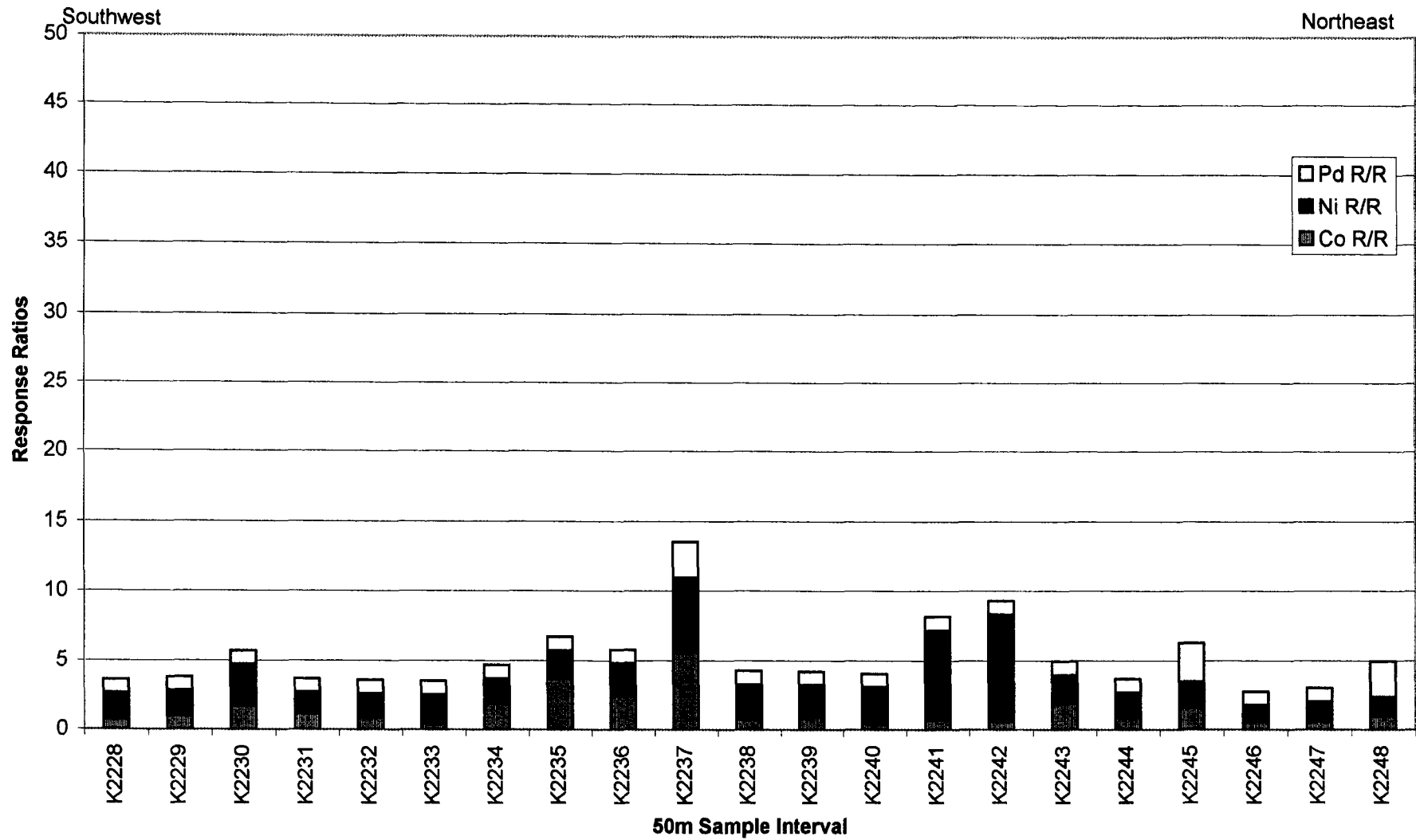


Tr 68(-80)

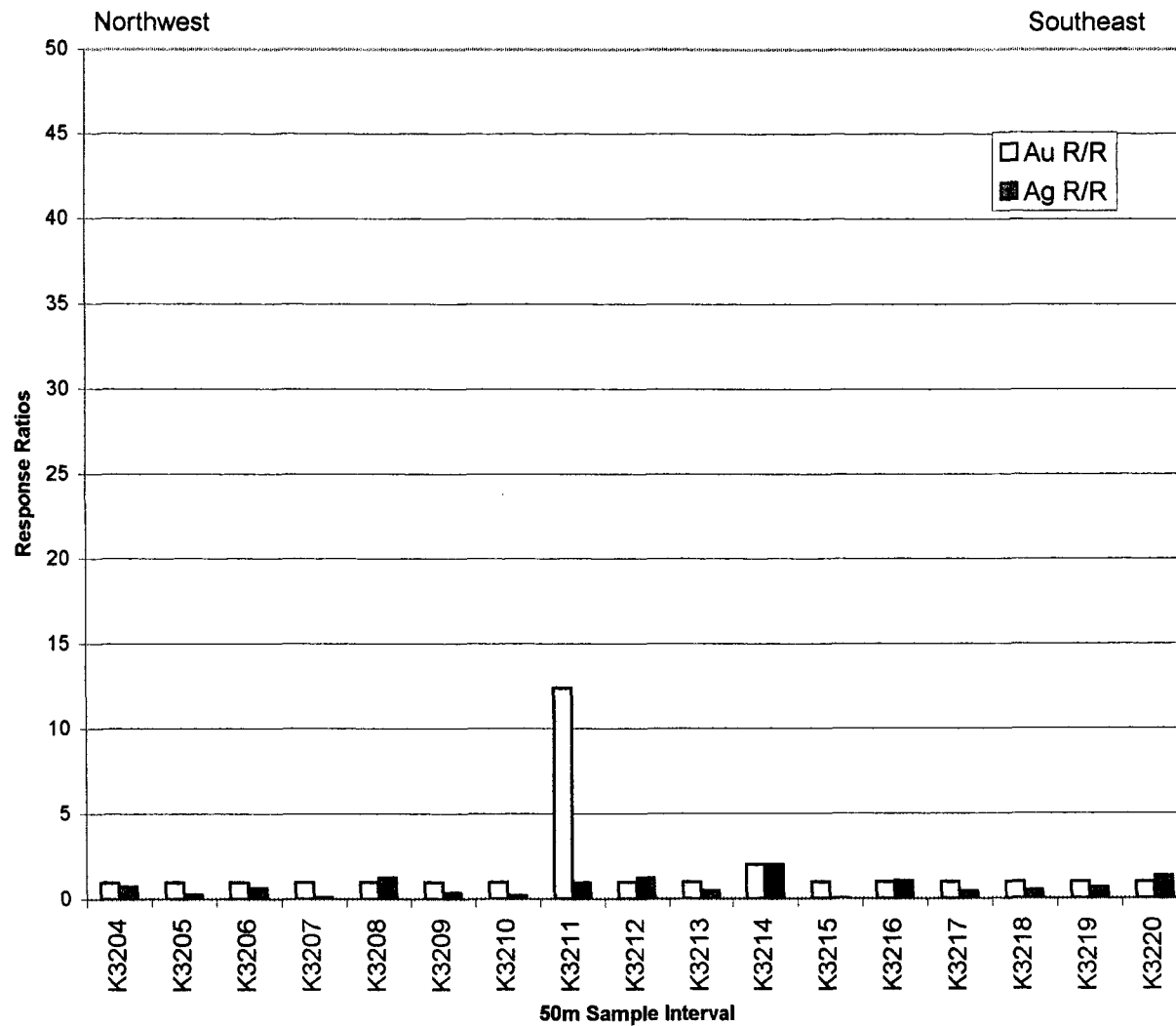
MMI TRAVERSE 69



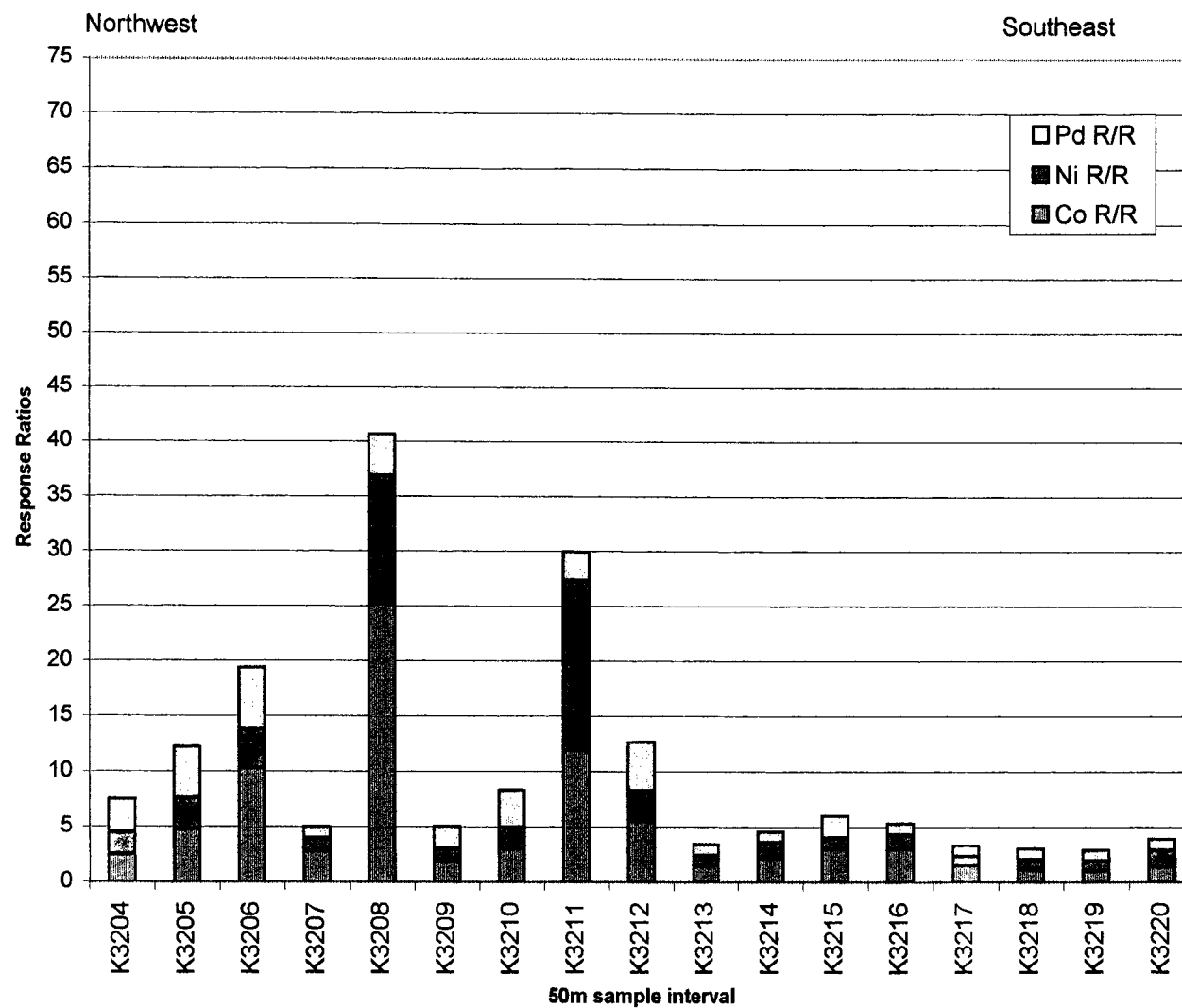
MMI TRAVERSE 69



MMI TRAVERSE 71



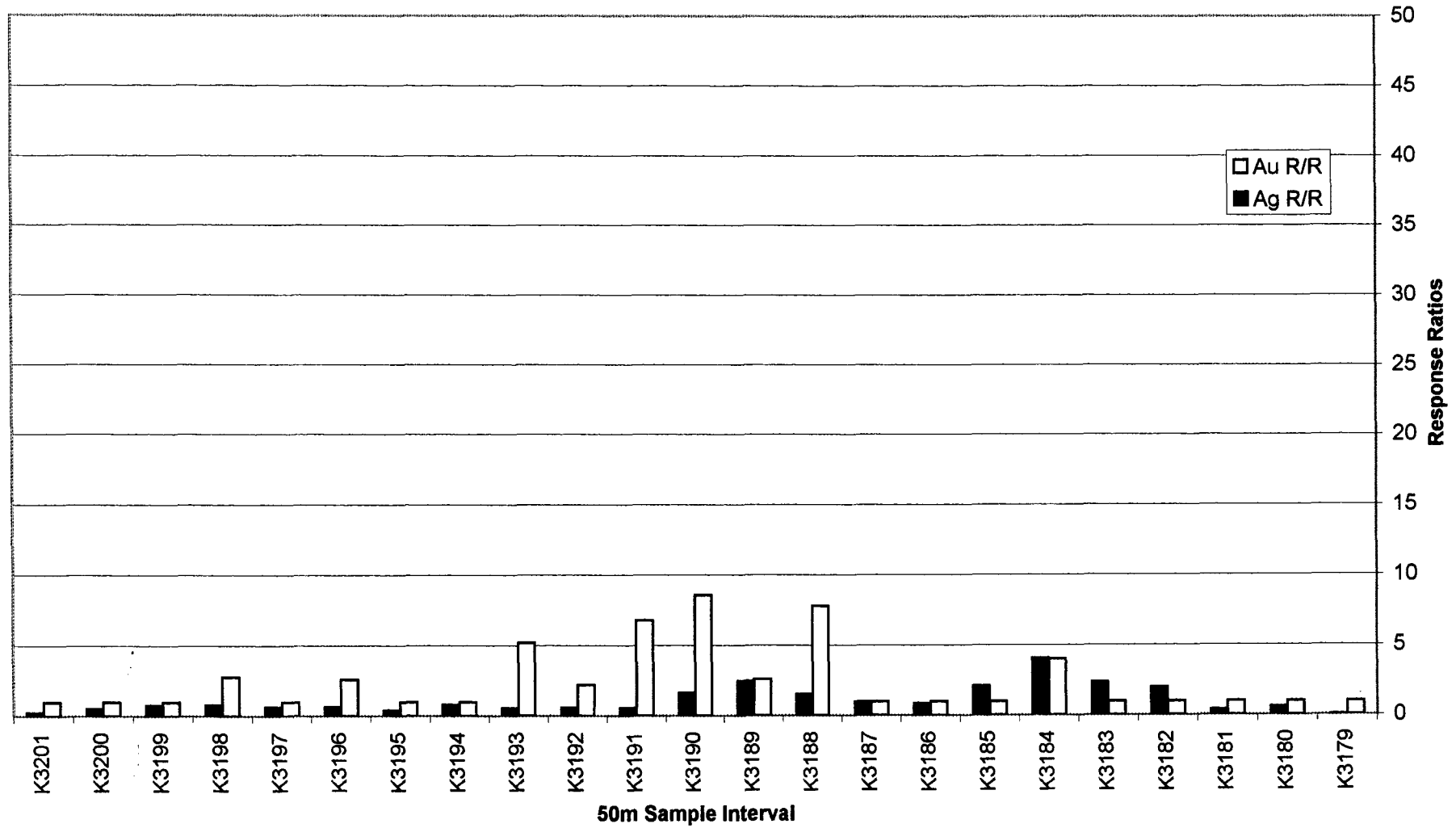
MMI TRAVERSE 71



MMI TRAVERSE 72

Northwest

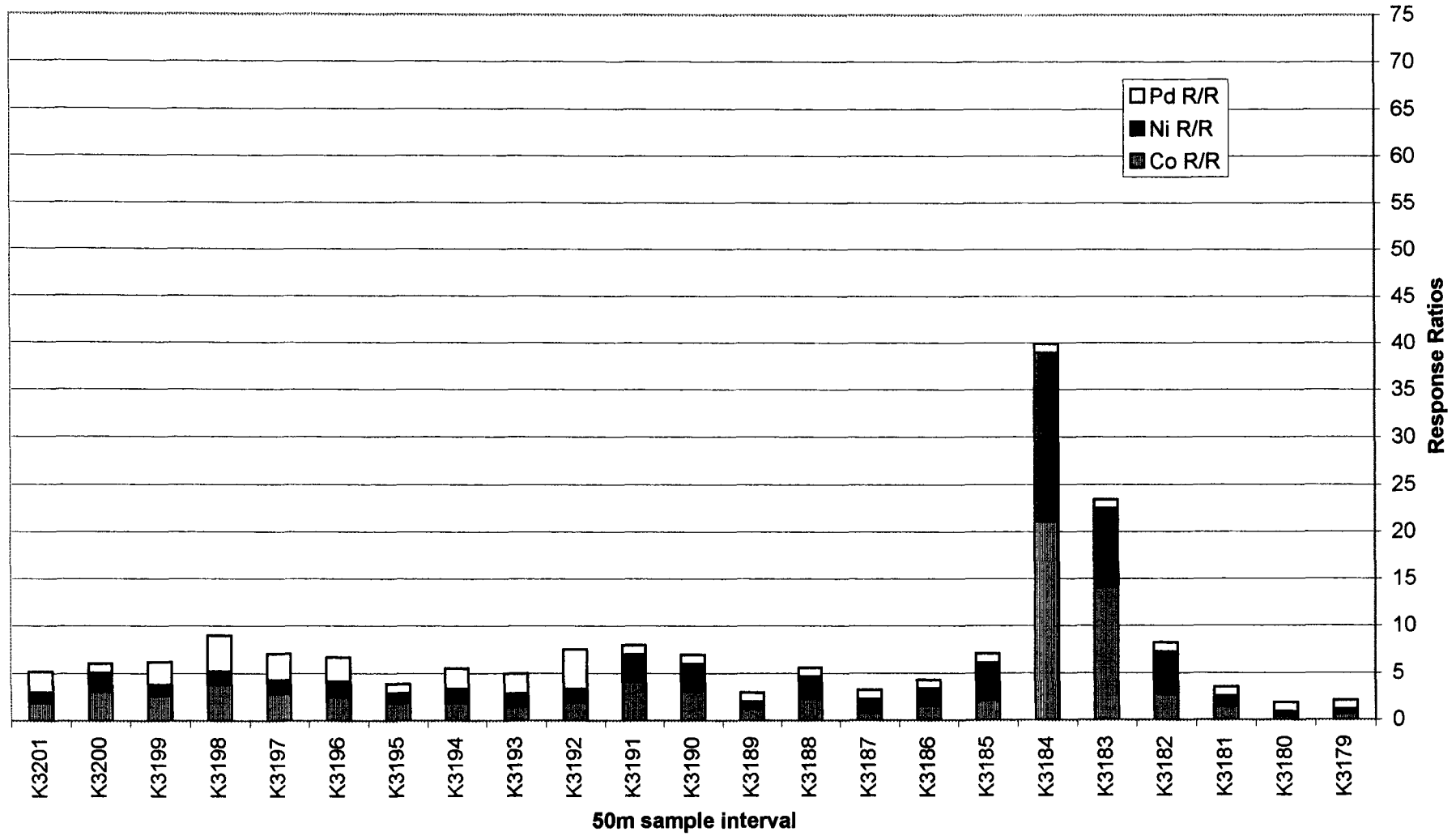
Southeast



MMI TRAVERSE 72

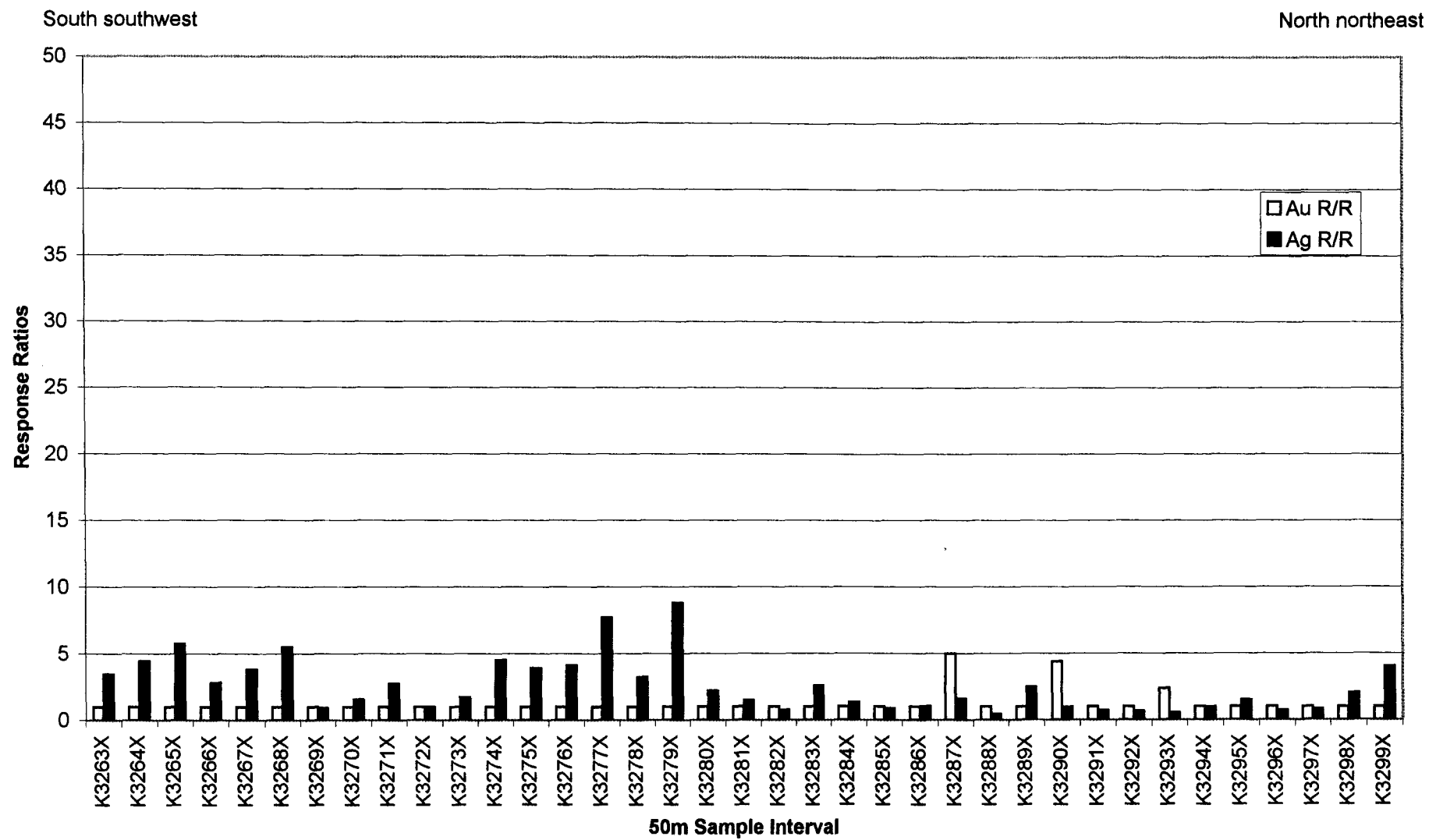
Northwest

Southeast

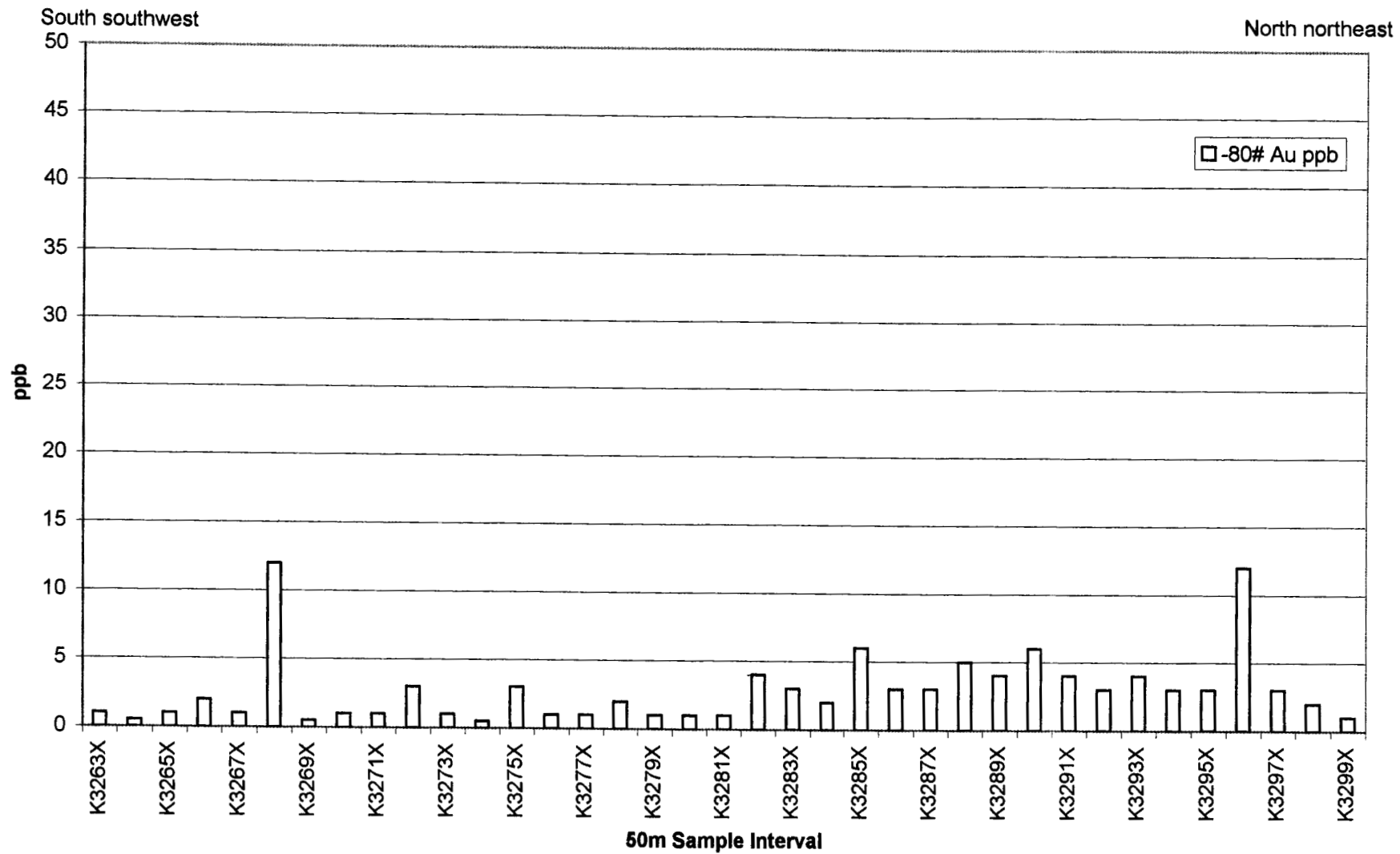


Tr 72(2)

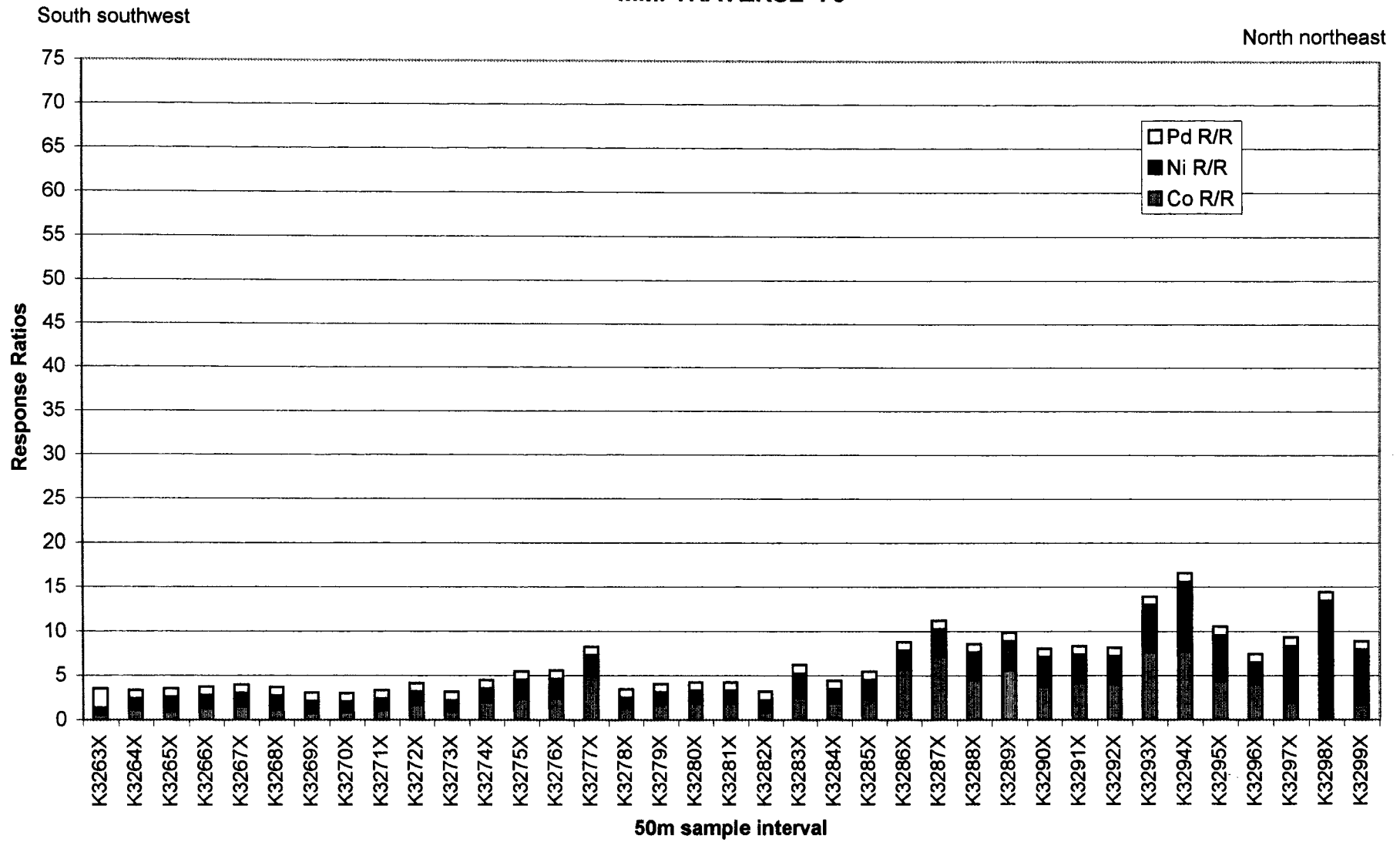
MMI TRAVERSE 76



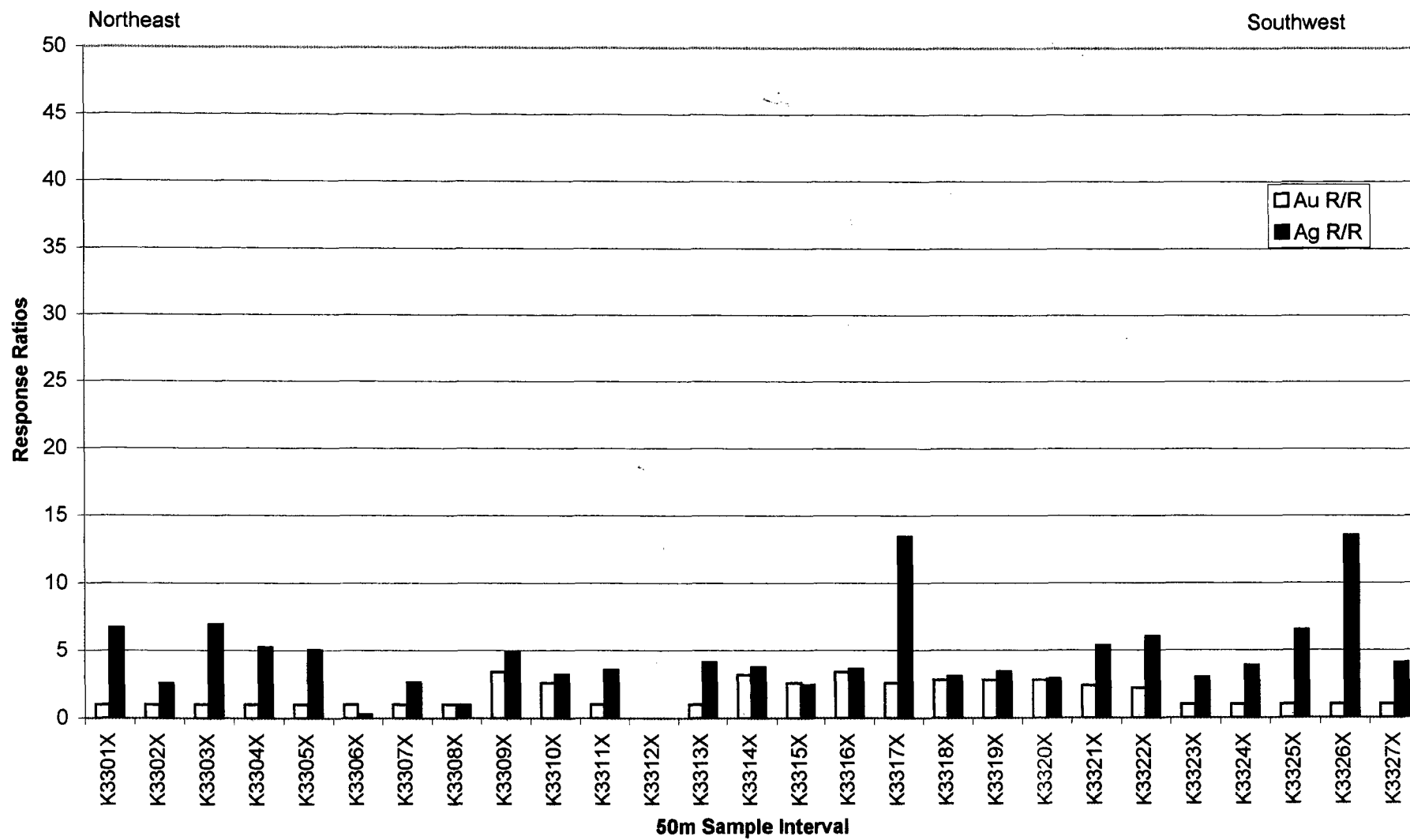
-80# TRAVERSE 76



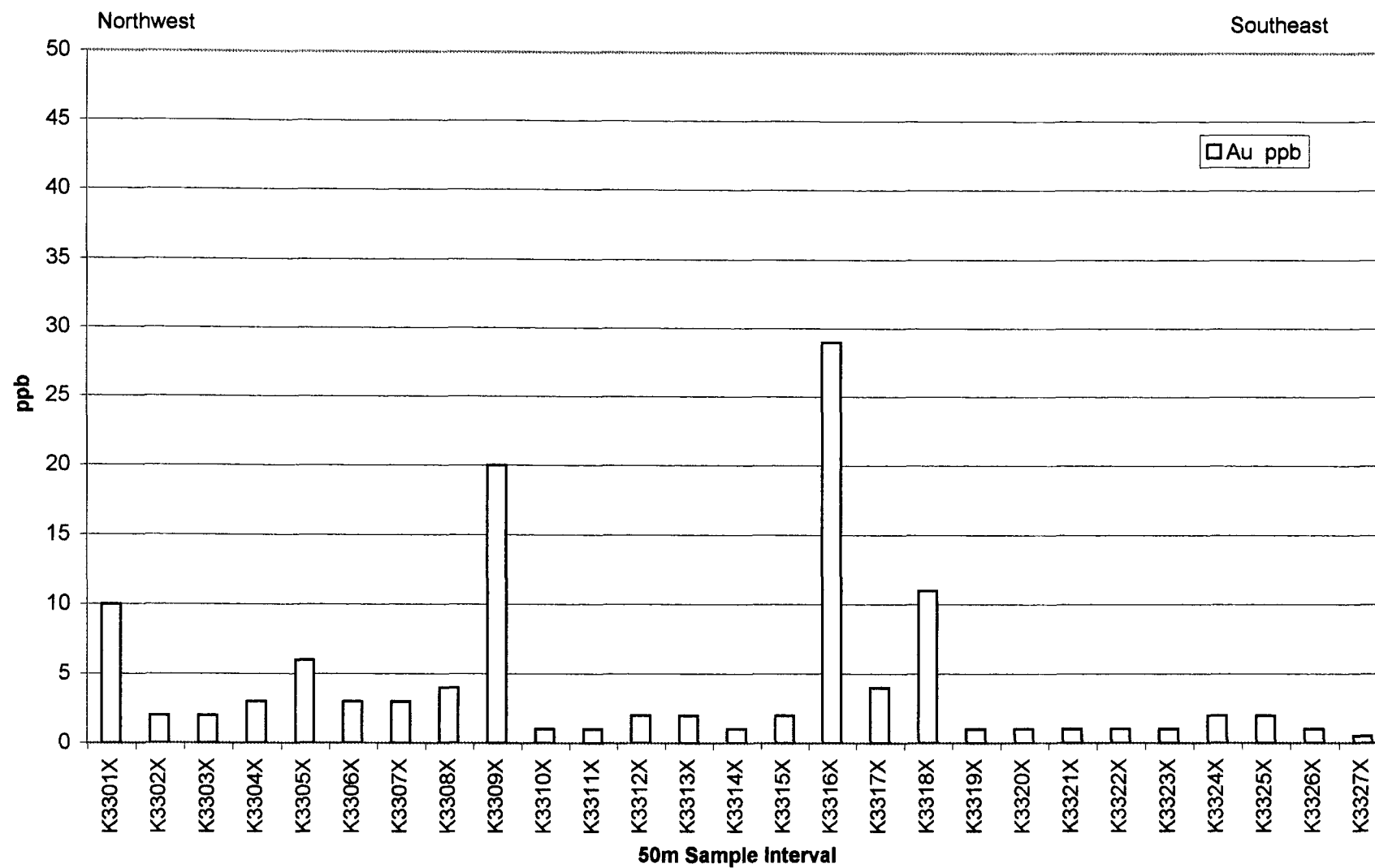
MMI TRAVERSE 76



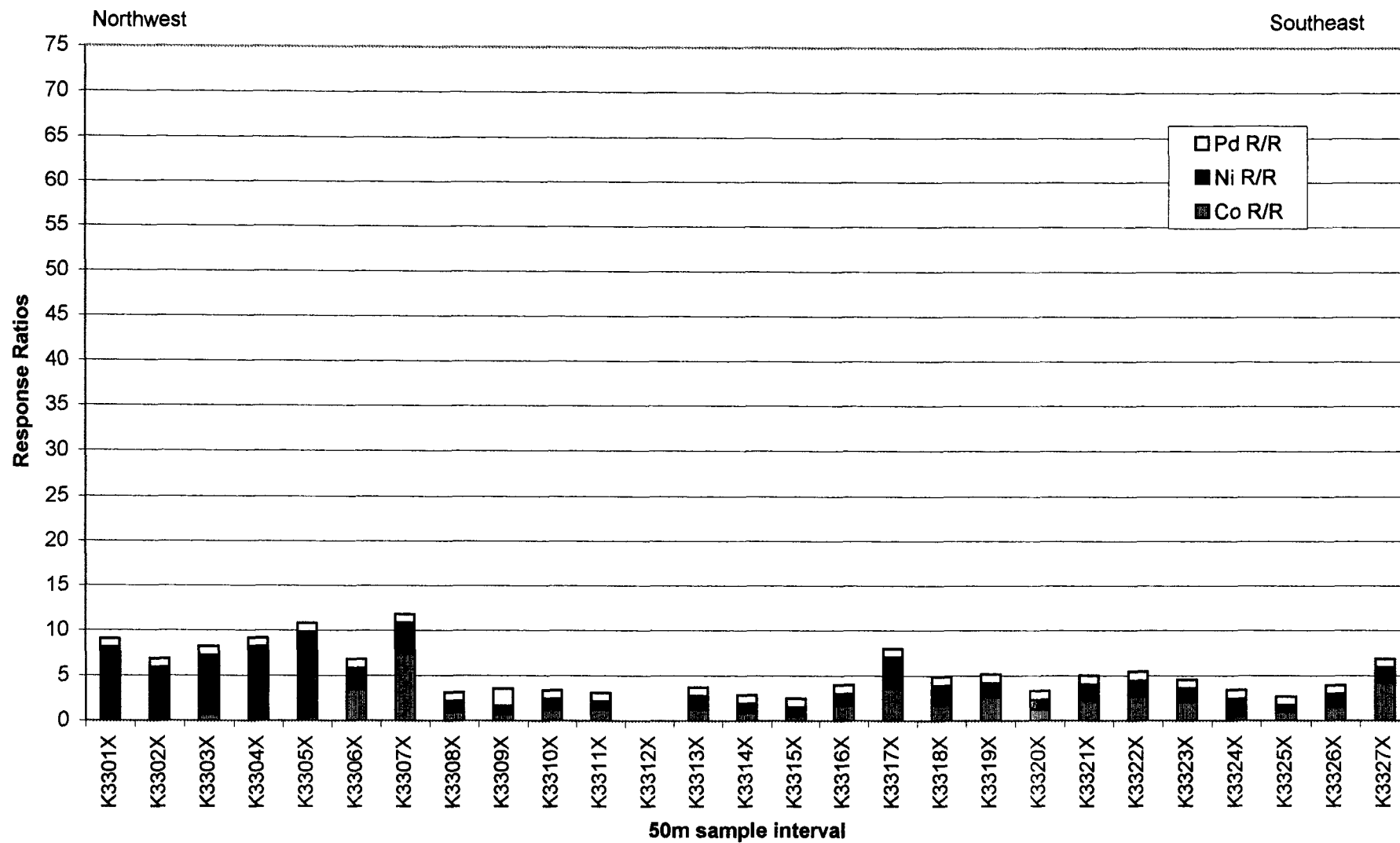
MMI TRAVERSE 77



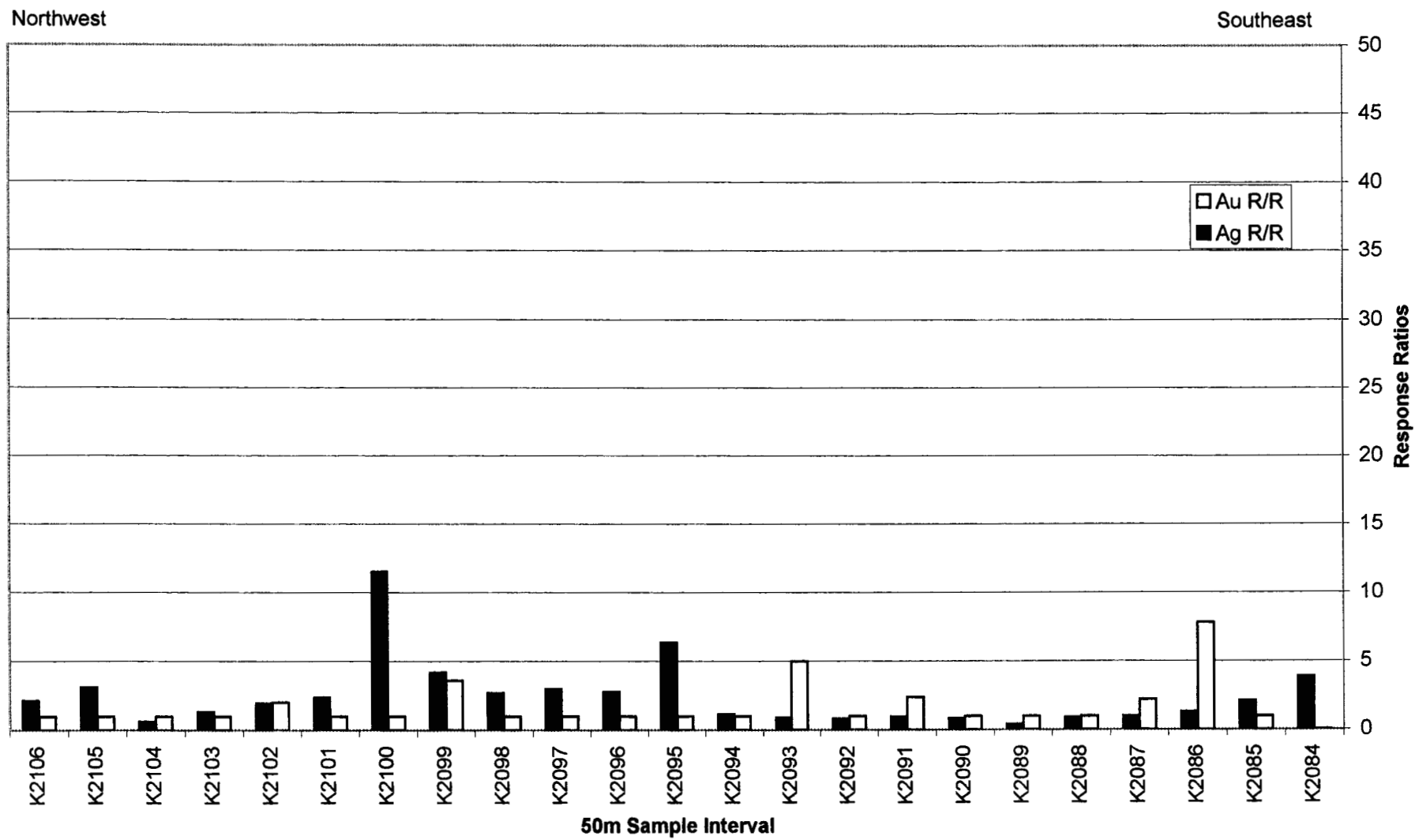
-80# TRAVERSE 77



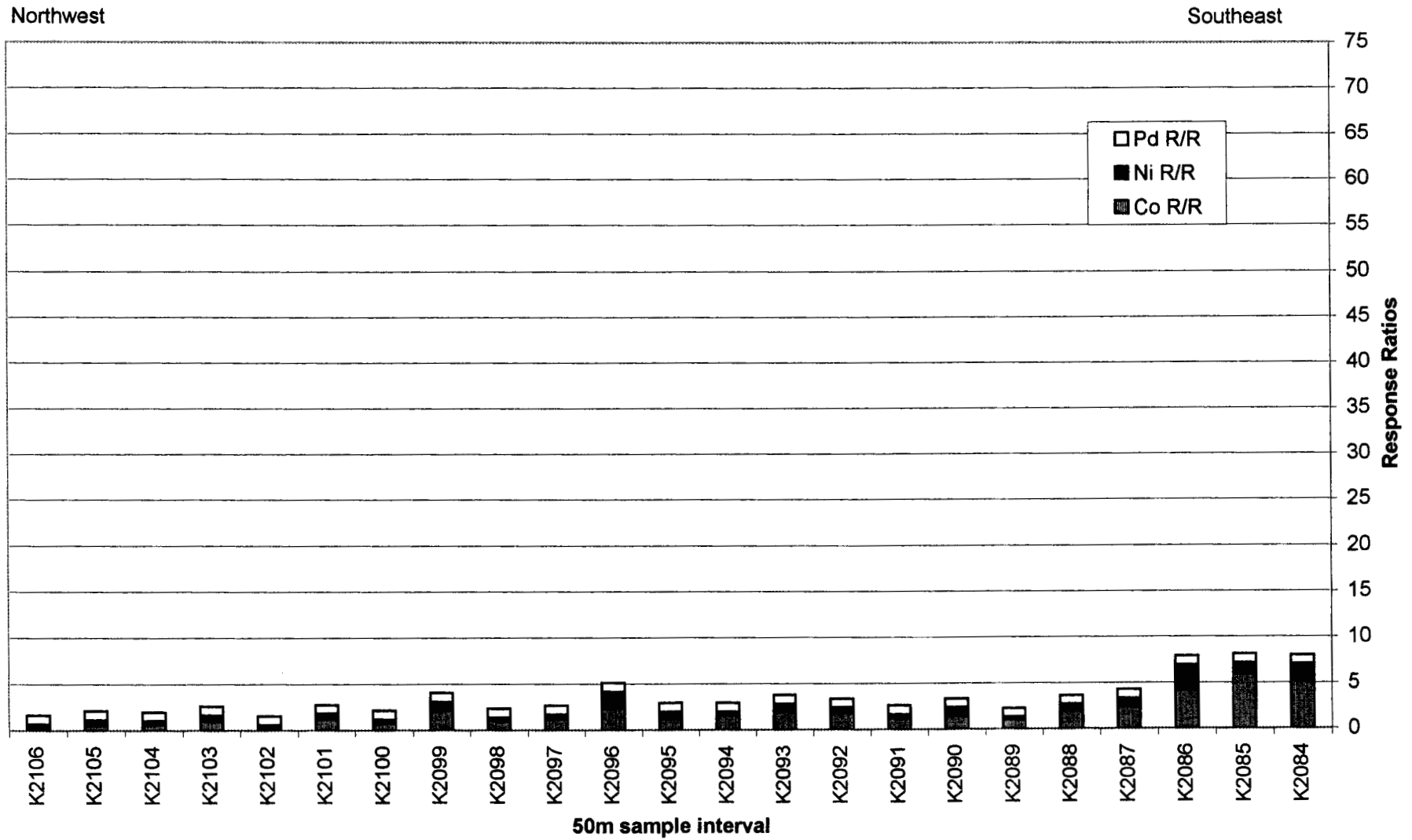
MMI TRAVERSE 77



MMI TRAVERSE 78



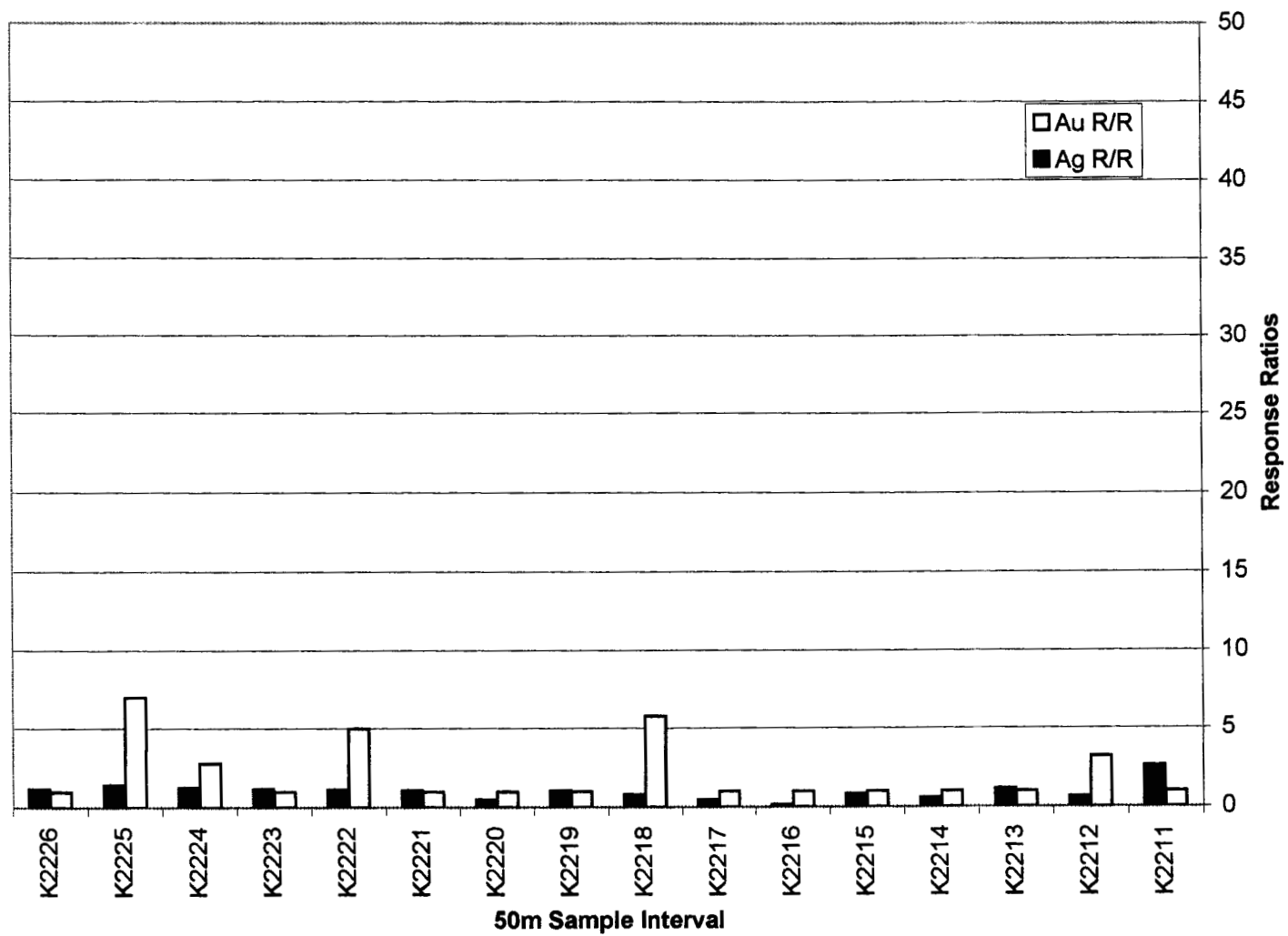
MMI TRAVERSE 78



MMI TRAVERSE 79

Northwest

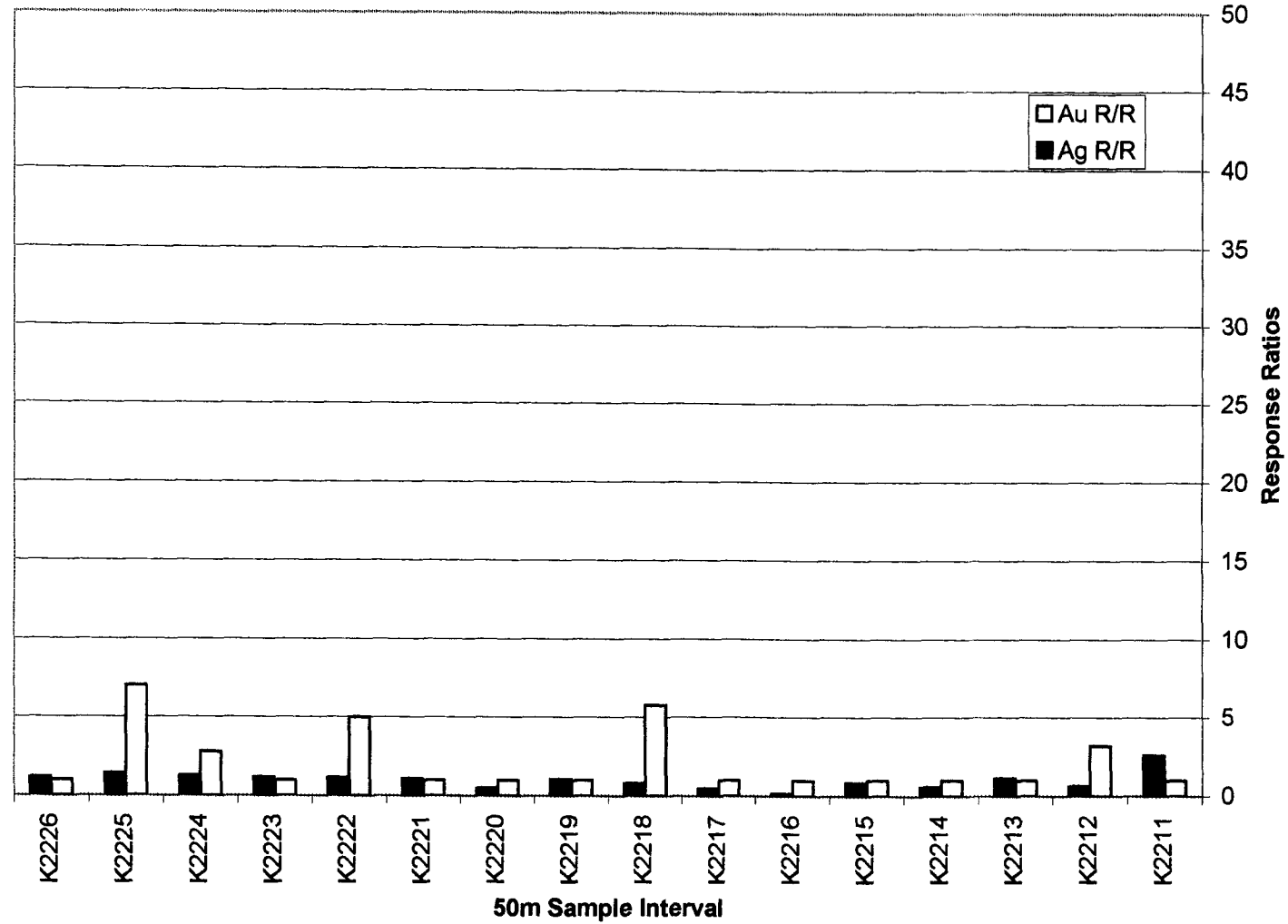
Southeast



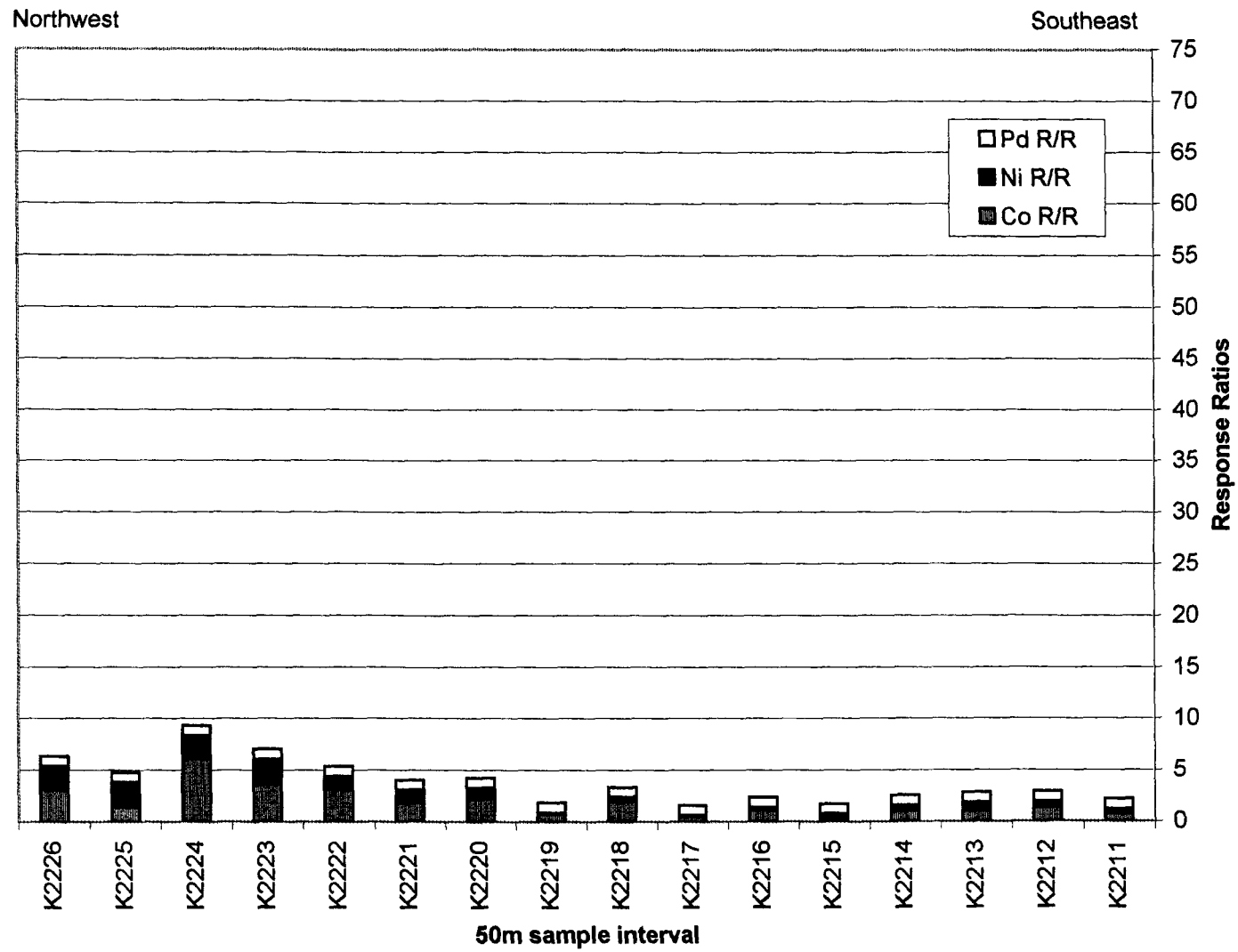
MMI TRAVERSE 79

Northwest

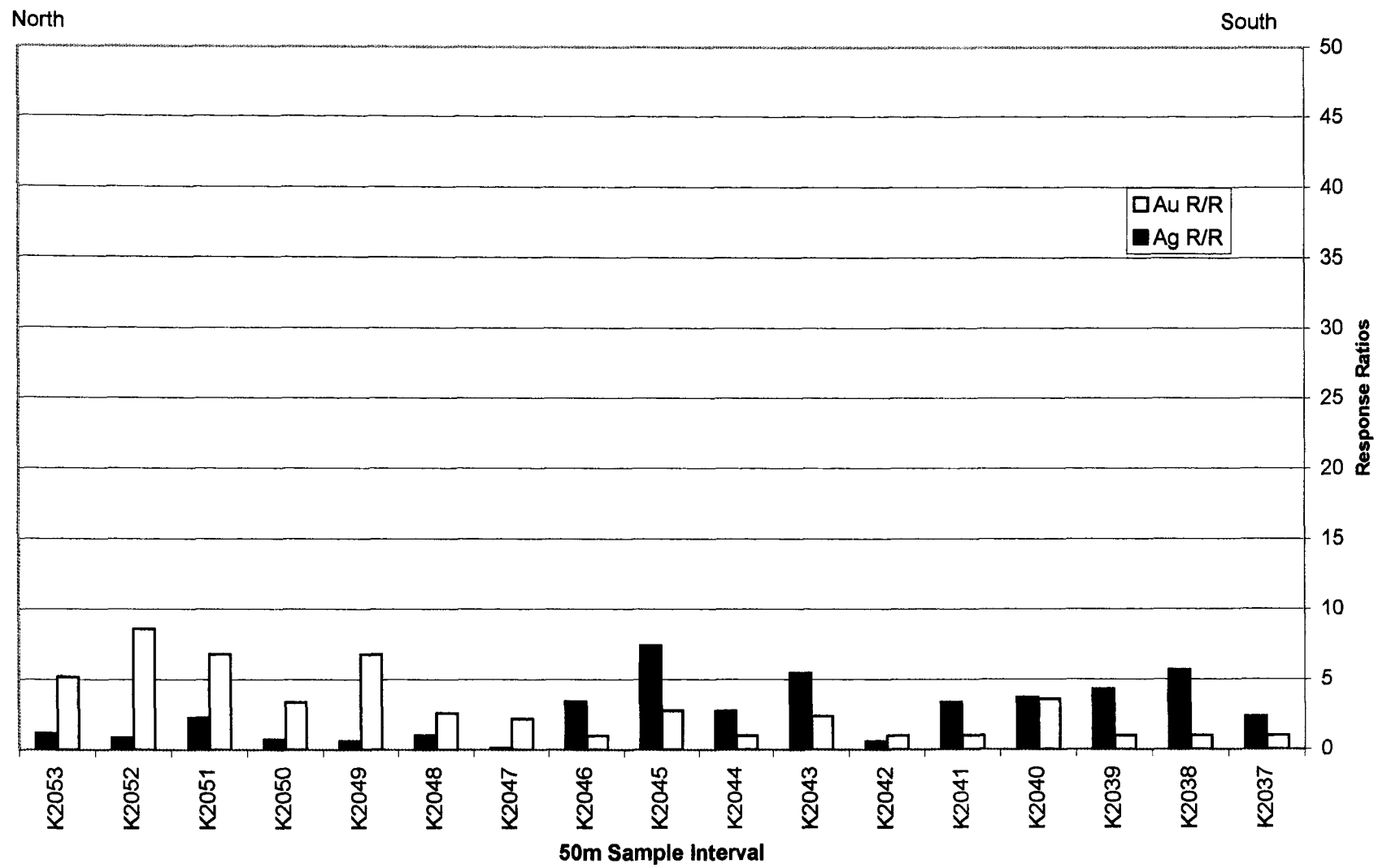
Southeast



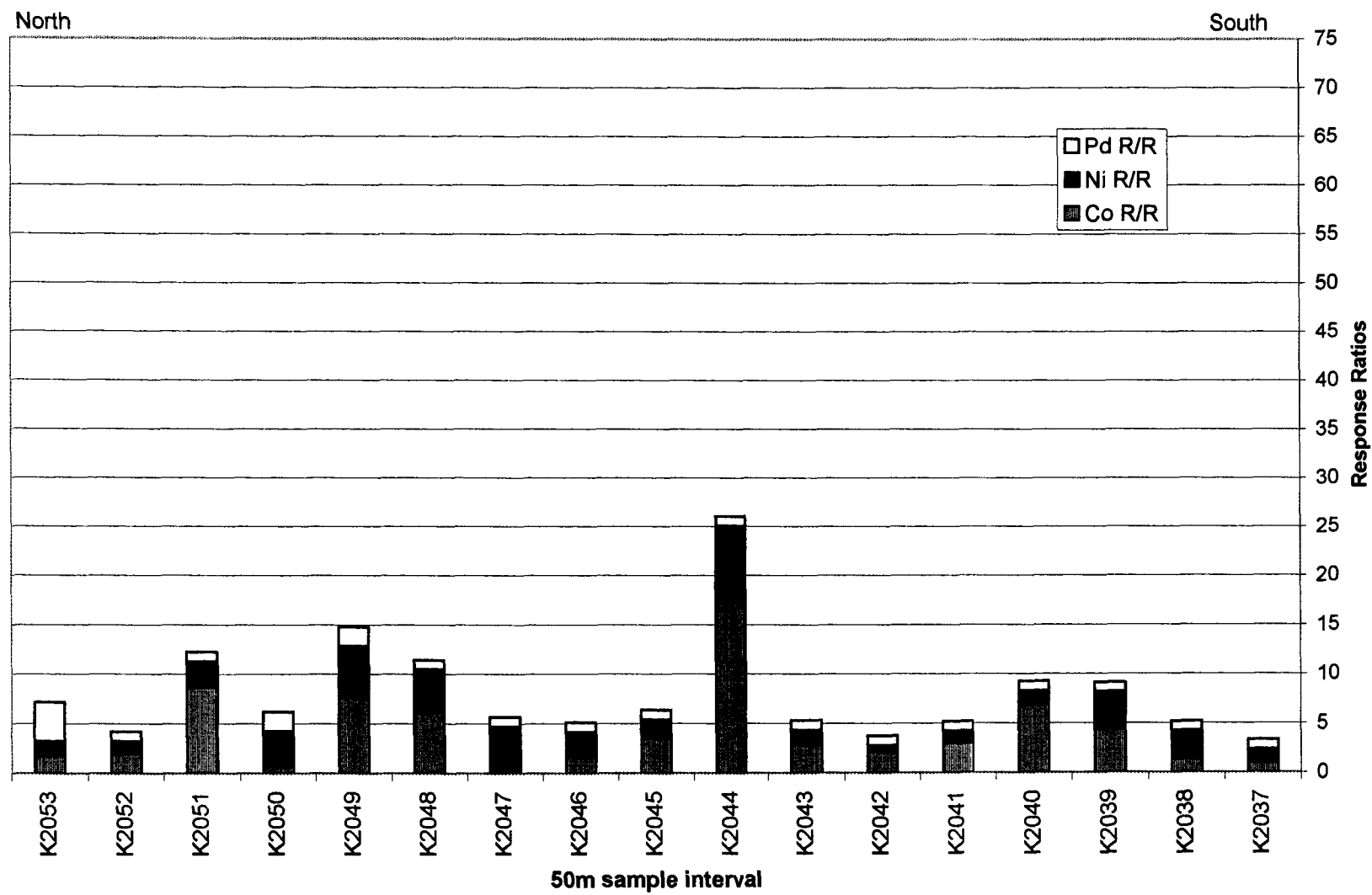
MMI TRAVERSE 79



MMI TRAVERSE 82



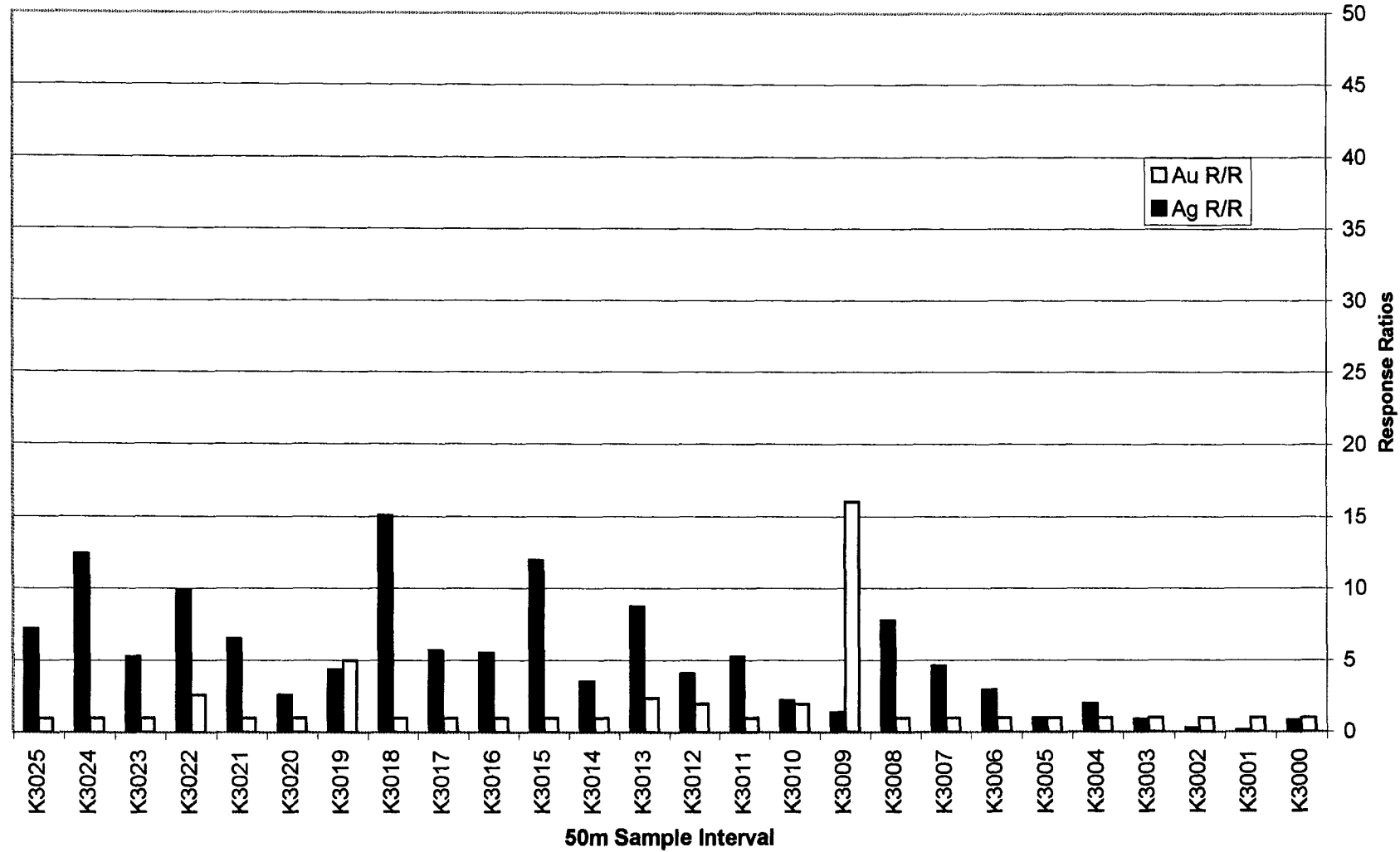
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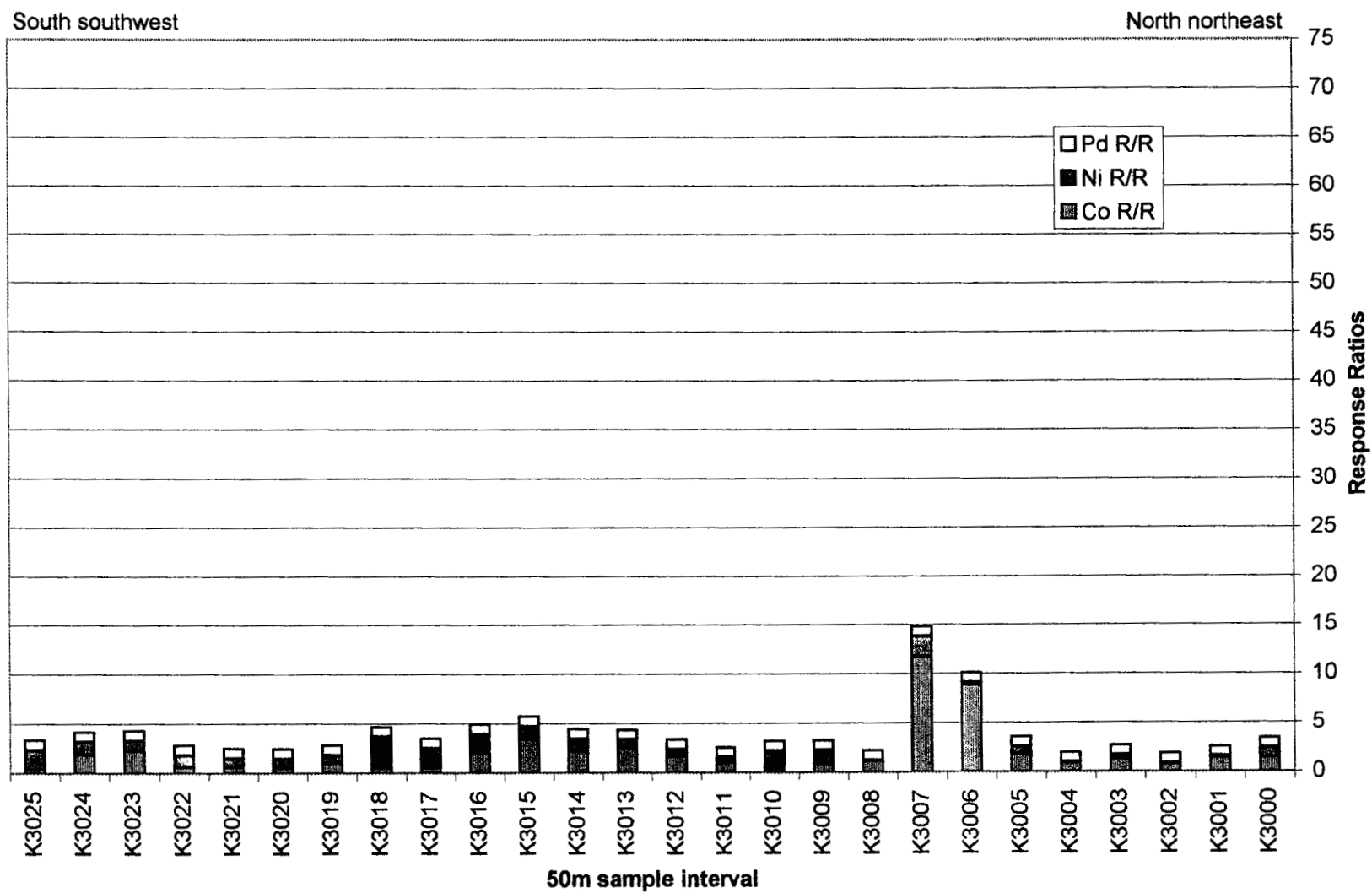
MMI TRAVERSE 83

South southwest

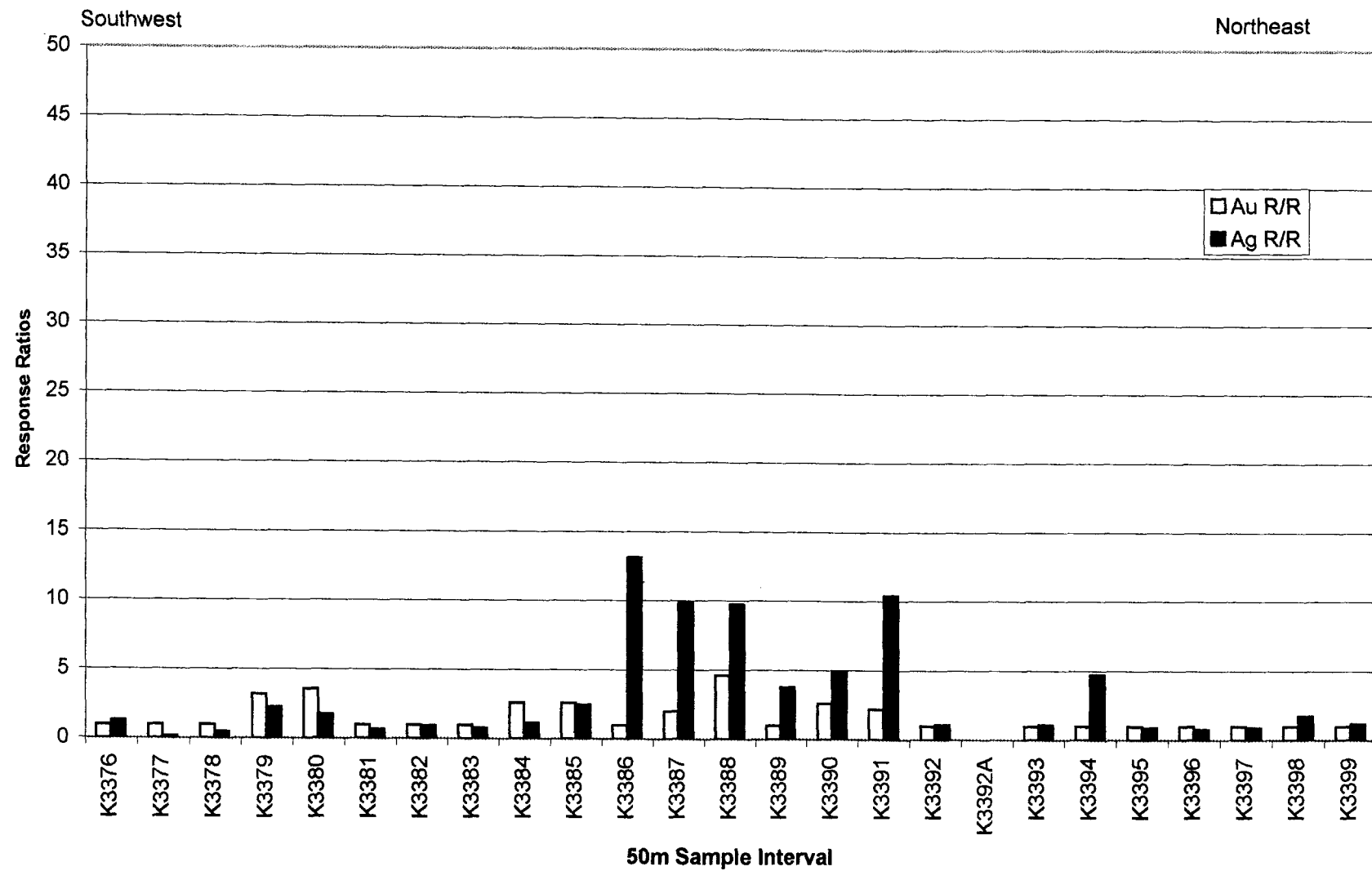
North northeast



MMI TRAVERSE 83

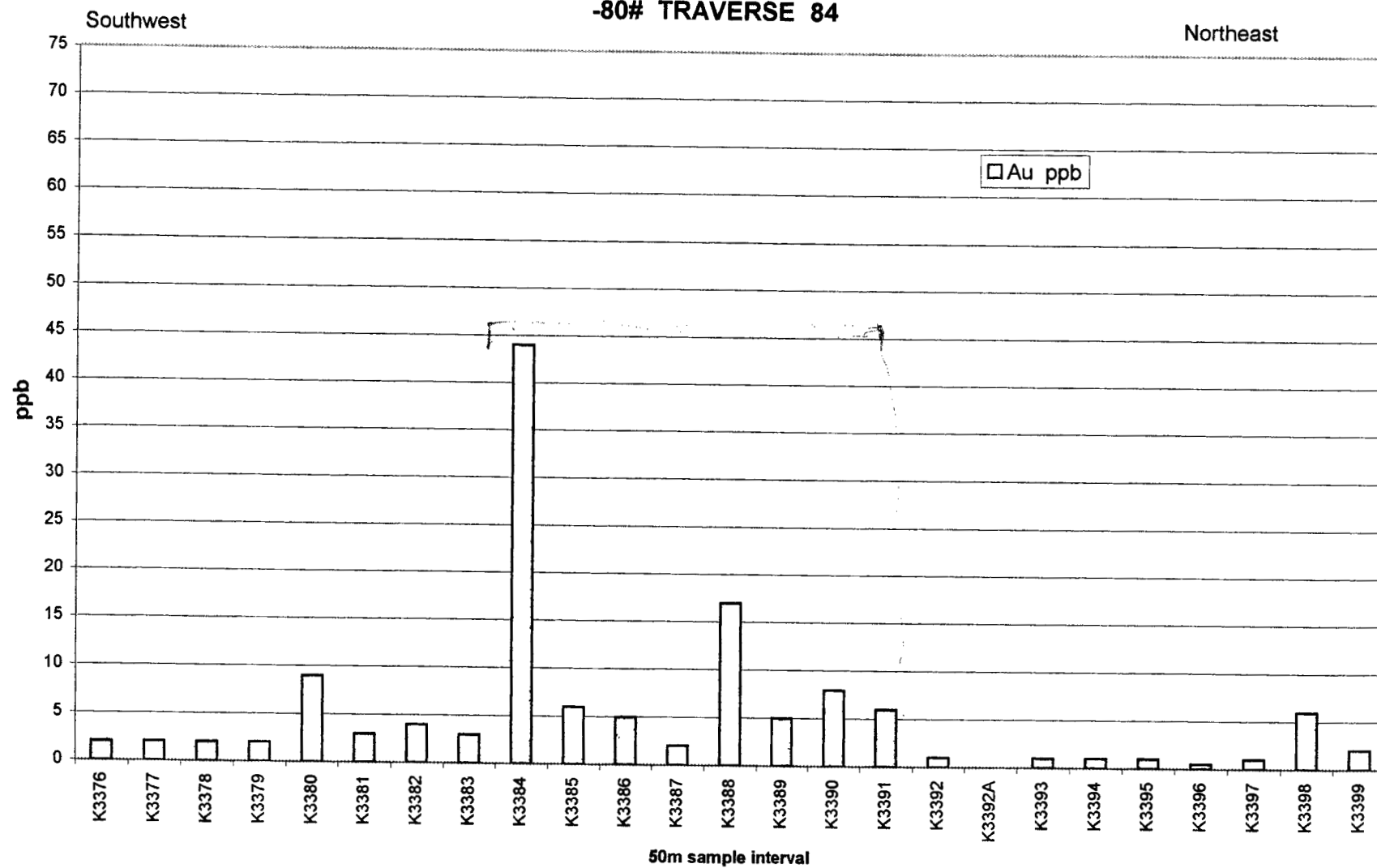


MMI TRAVERSE 84

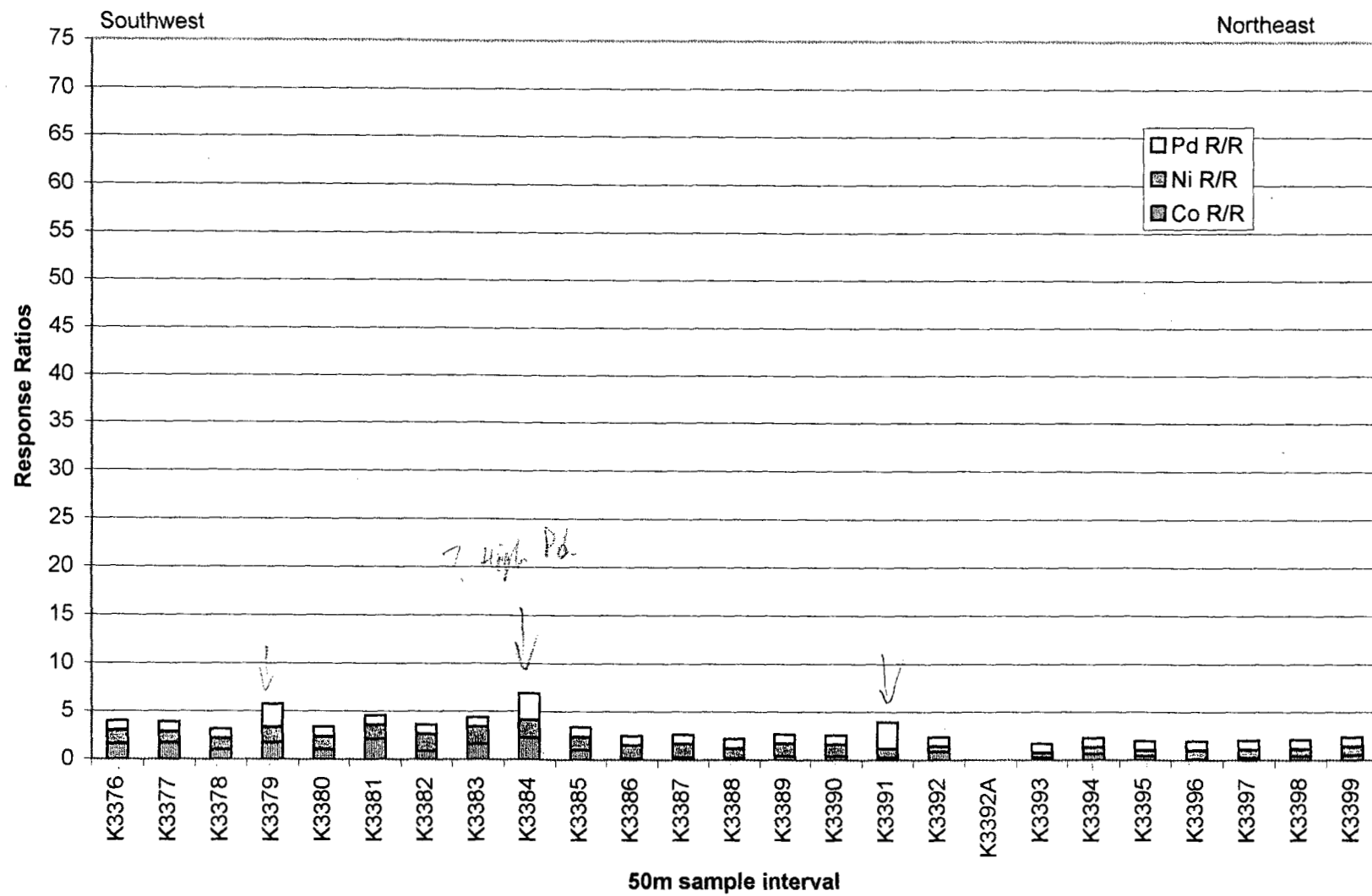


KSL EXPLORATION (YUKON) LIMITED

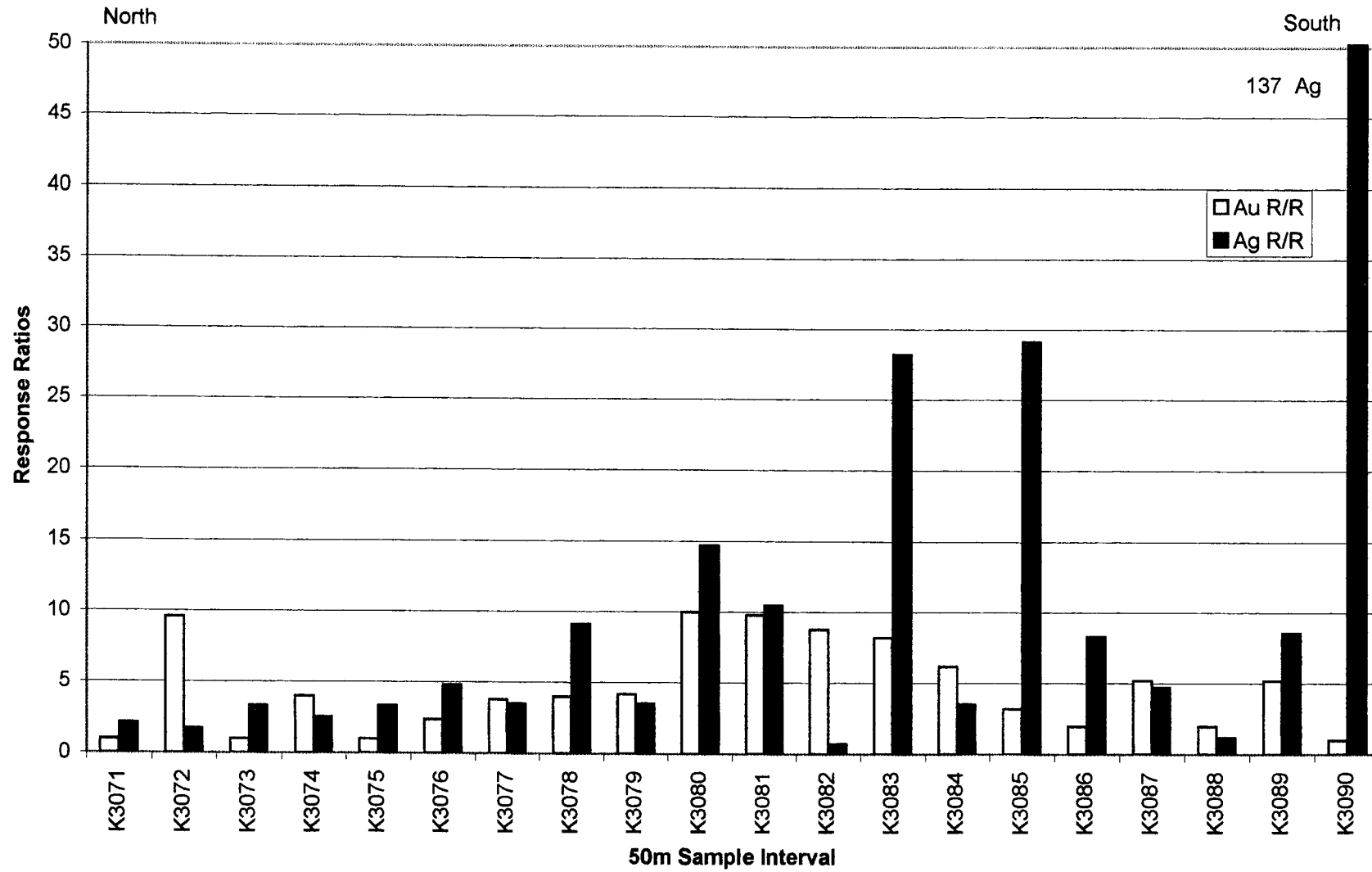
-80# TRAVERSE 84



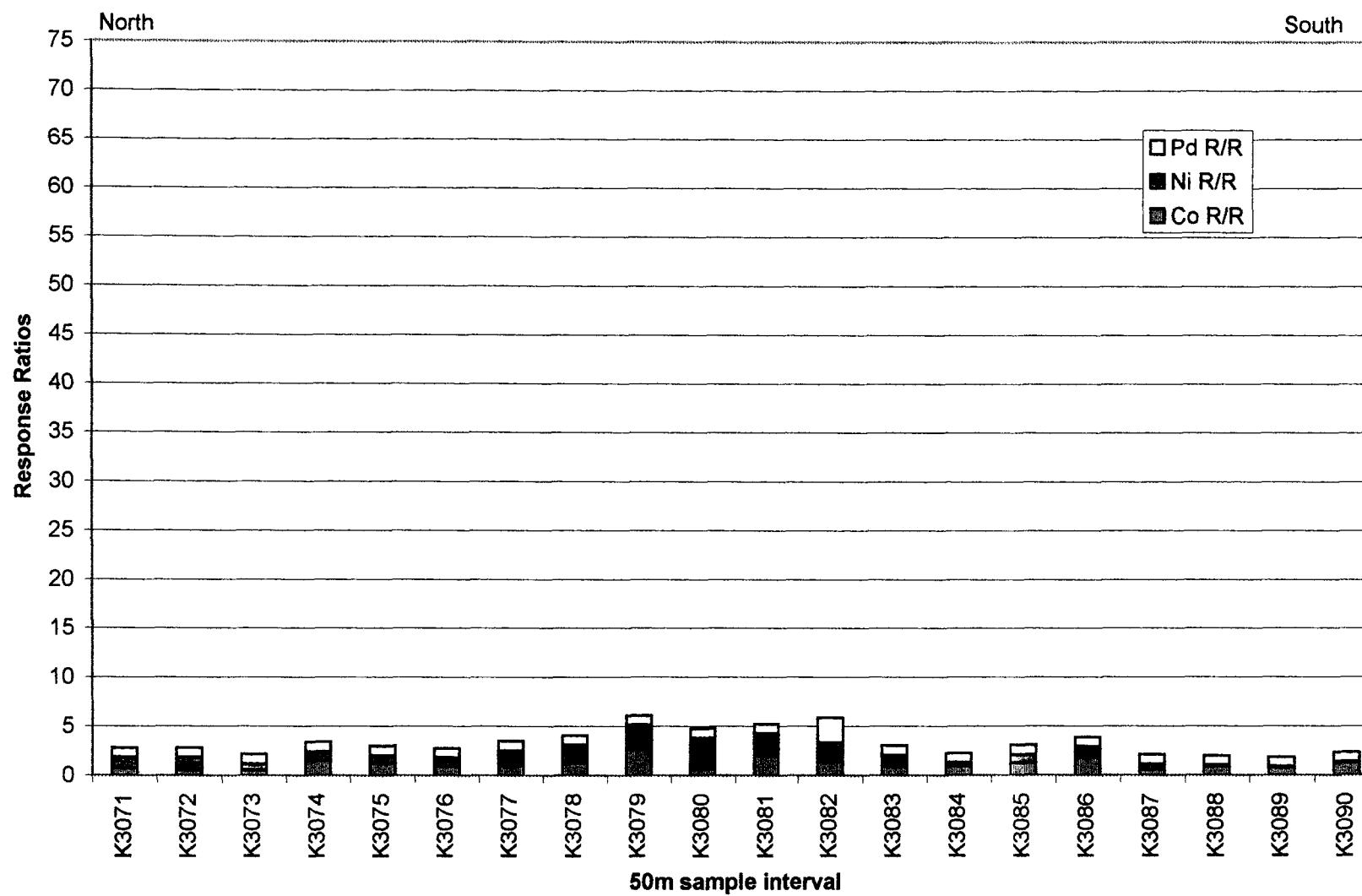
MMI TRAVERSE 84



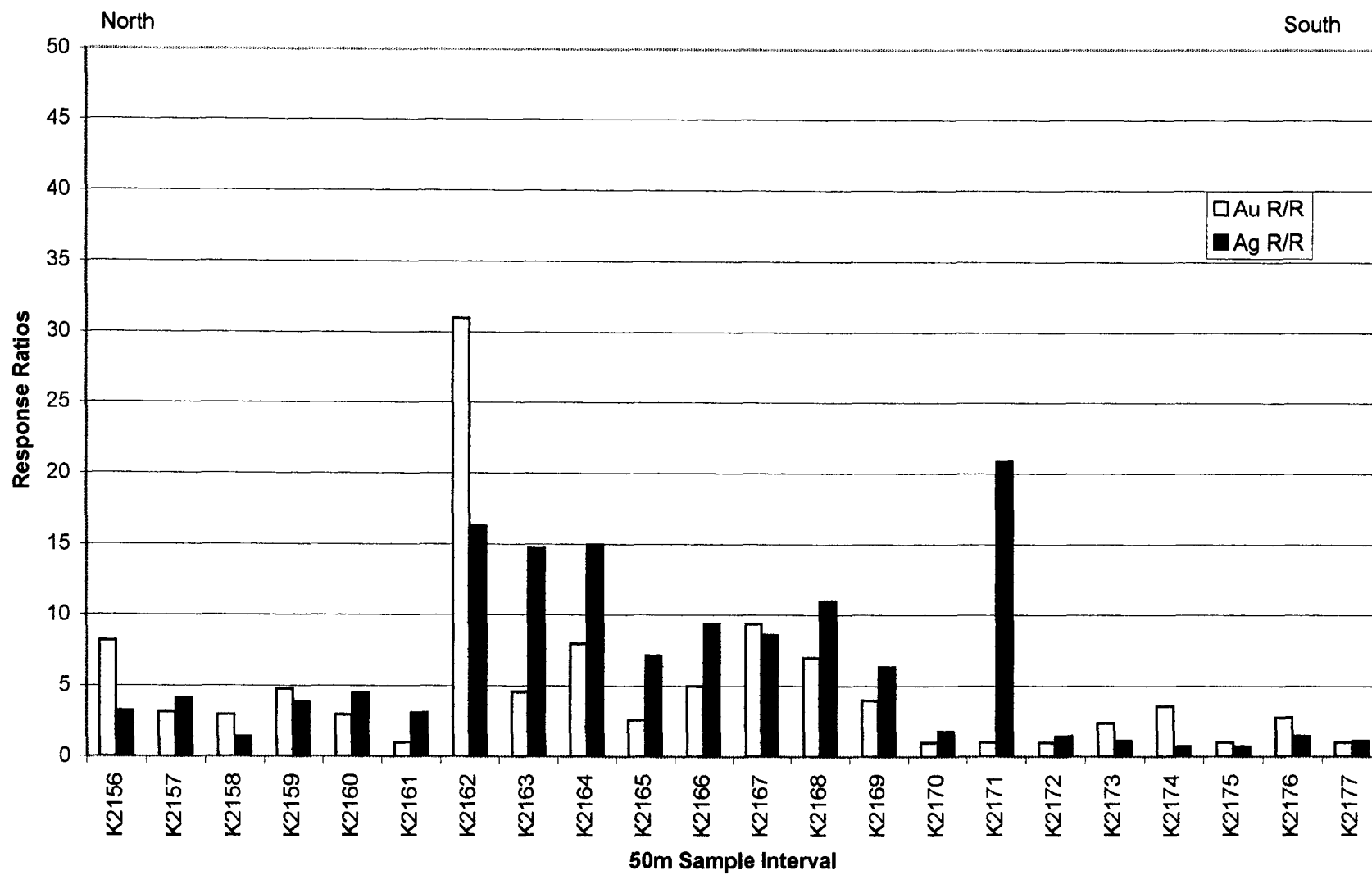
MMI TRAVERSE 85



MMI TRAVERSE 85

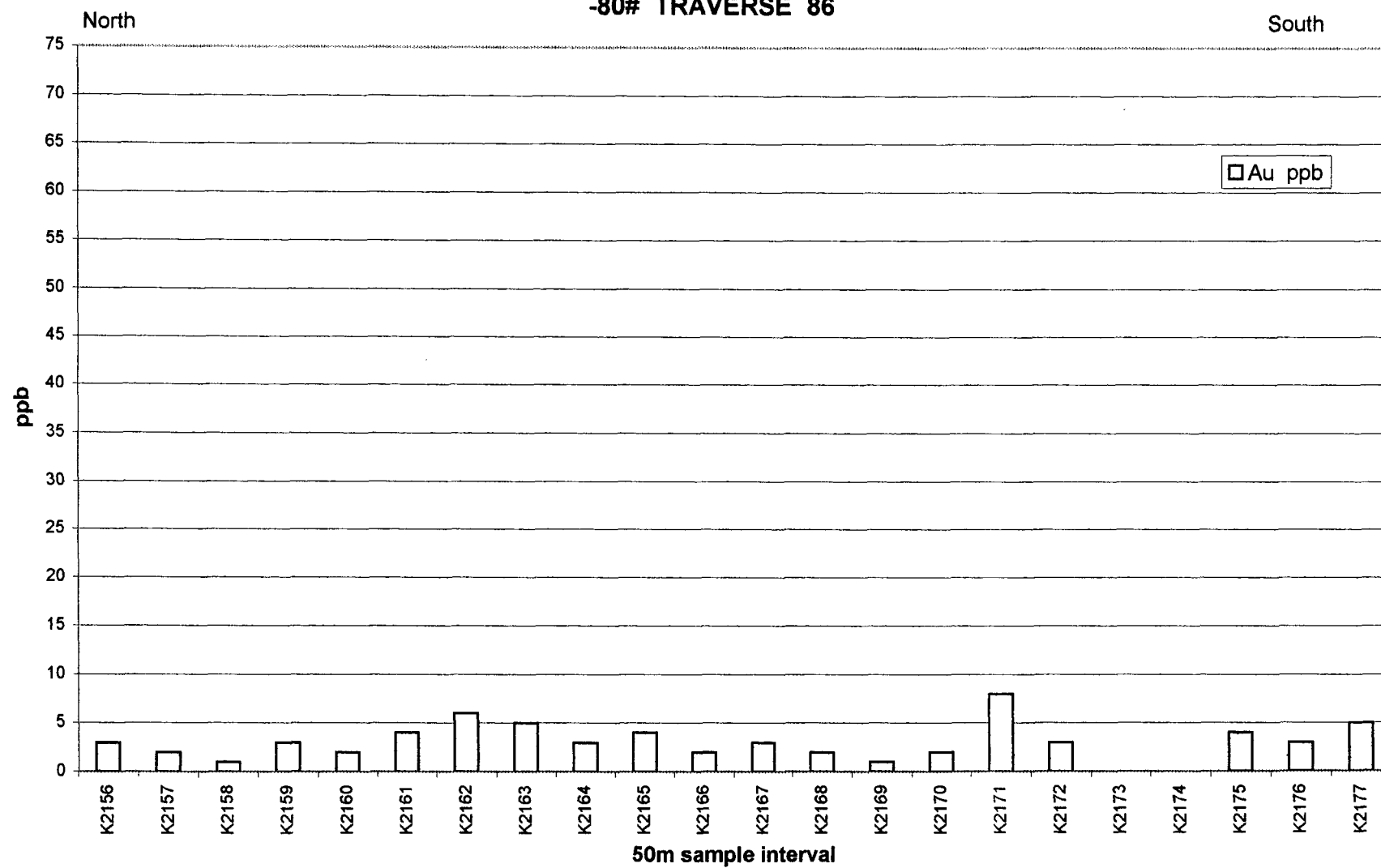


MMI TRAVERSE 86

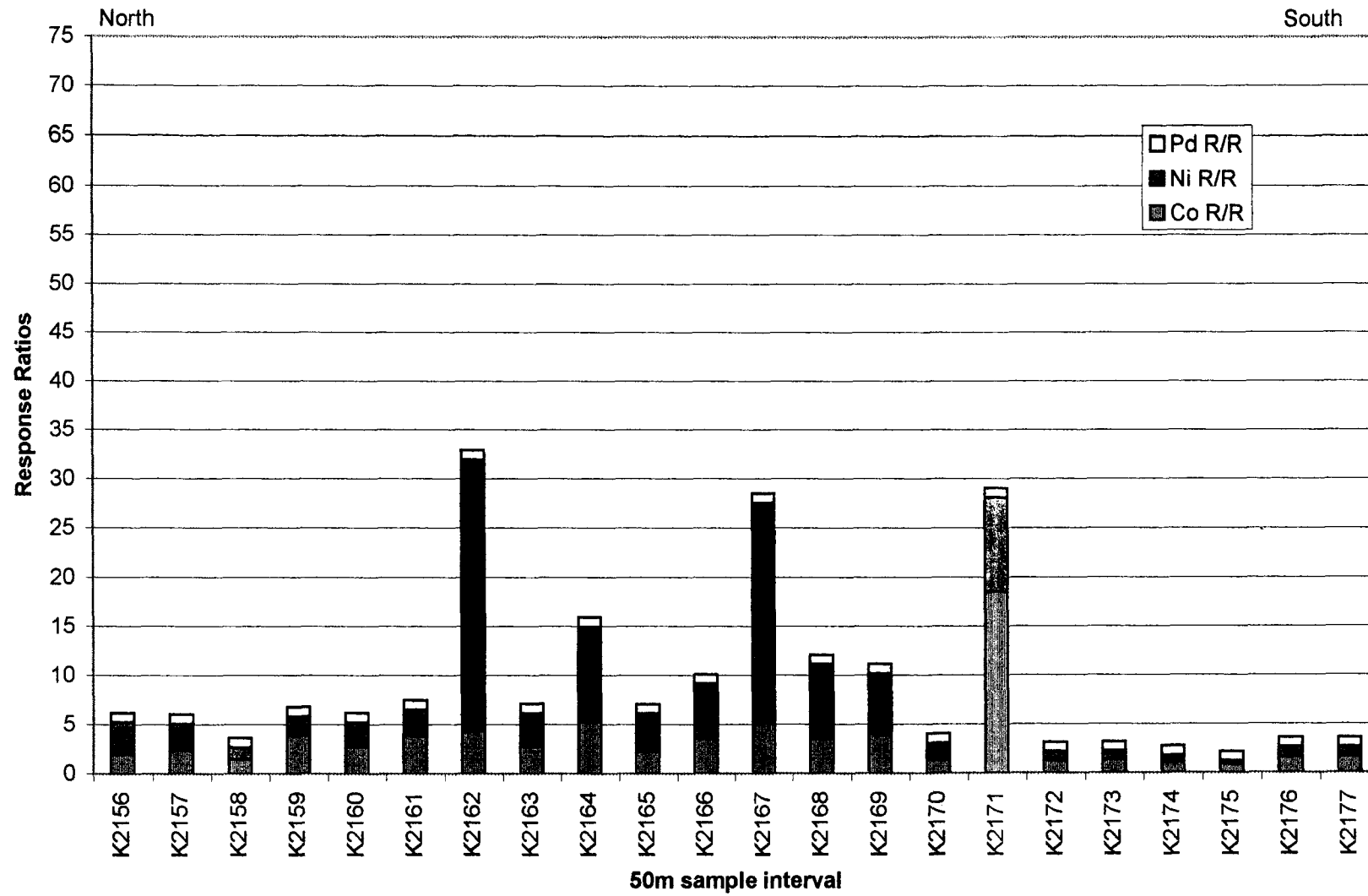


KSL EXPLORATION (YUKON) LIMITED

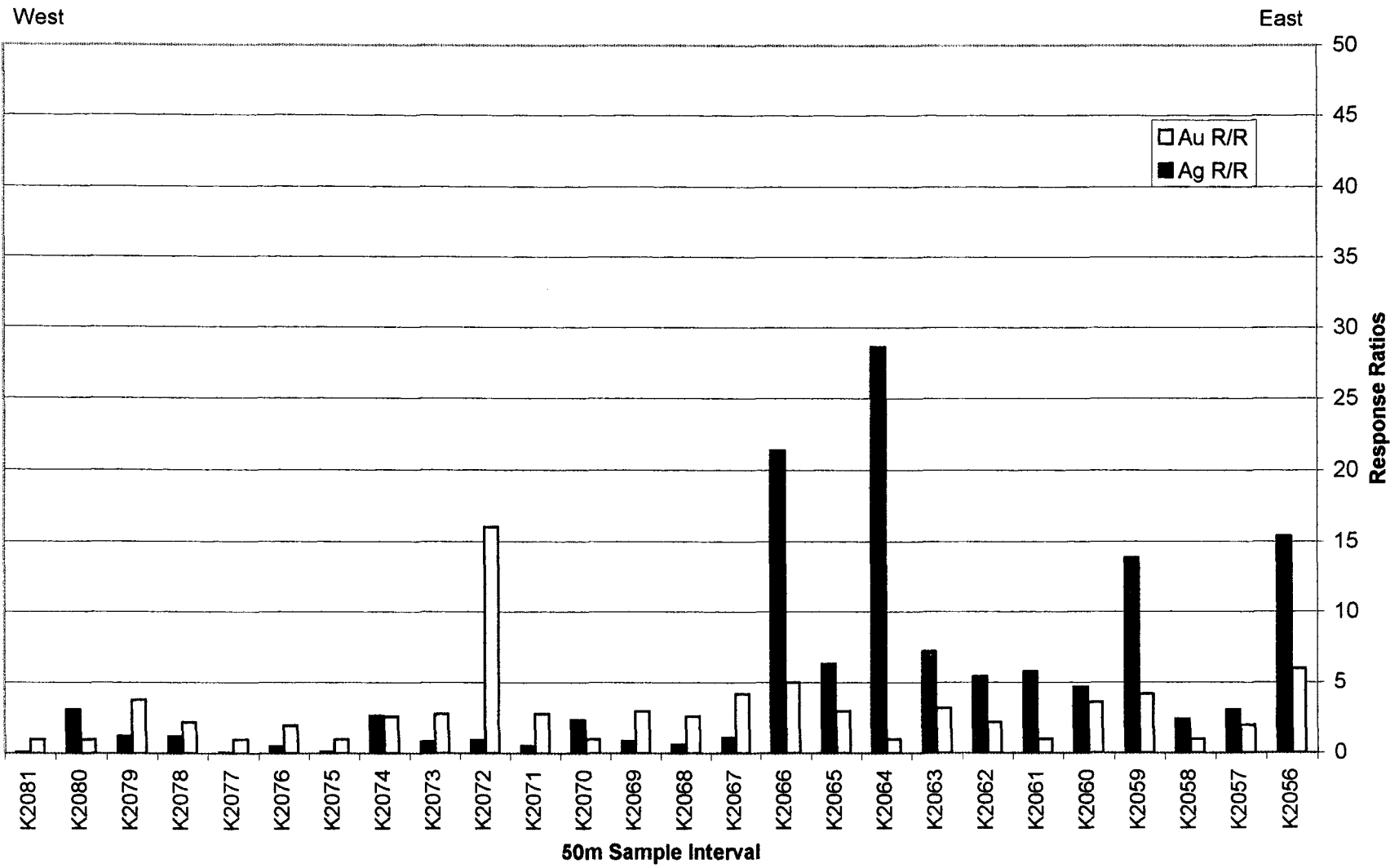
-80# TRAVERSE 86



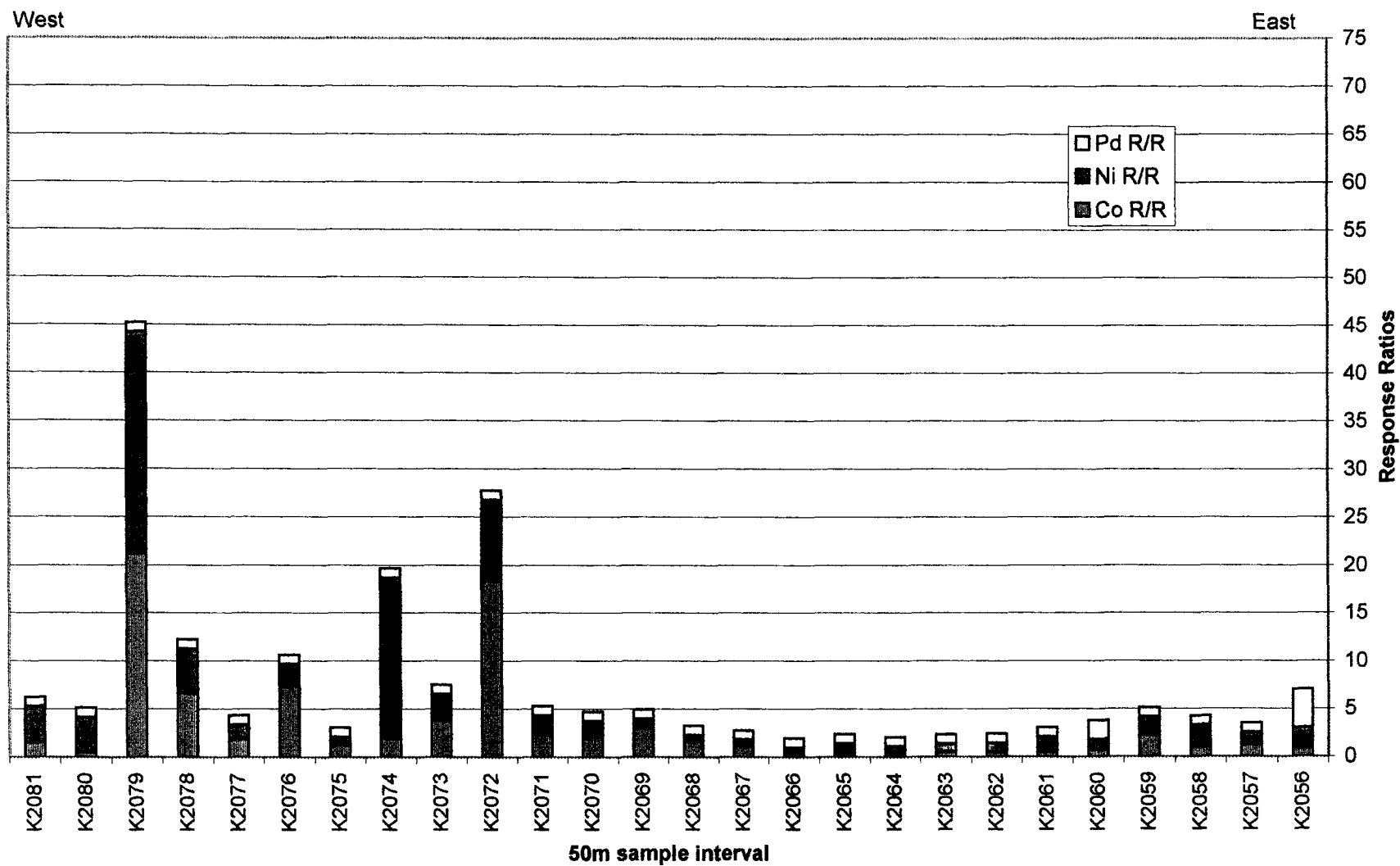
MMI TRAVERSE 86



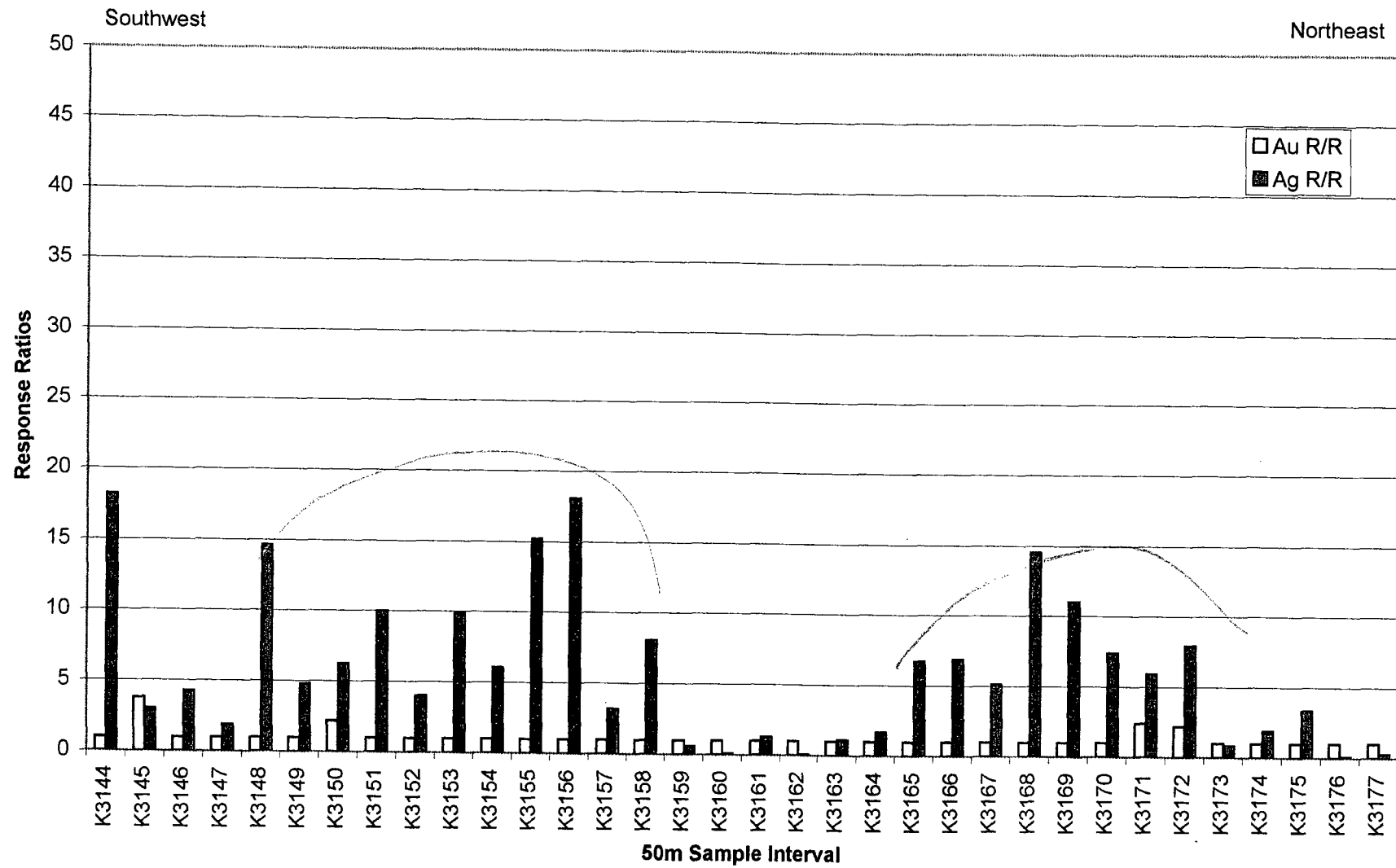
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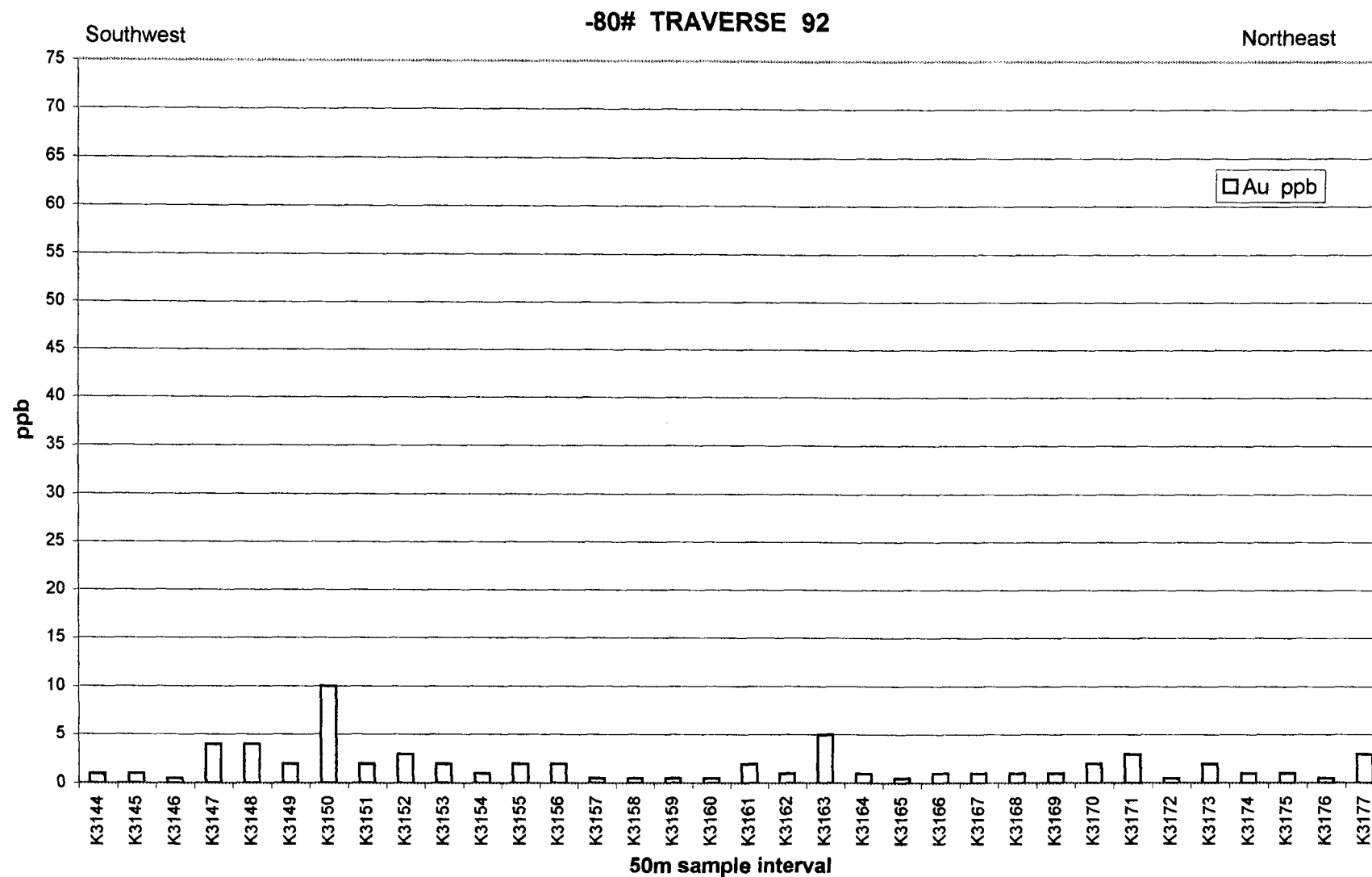
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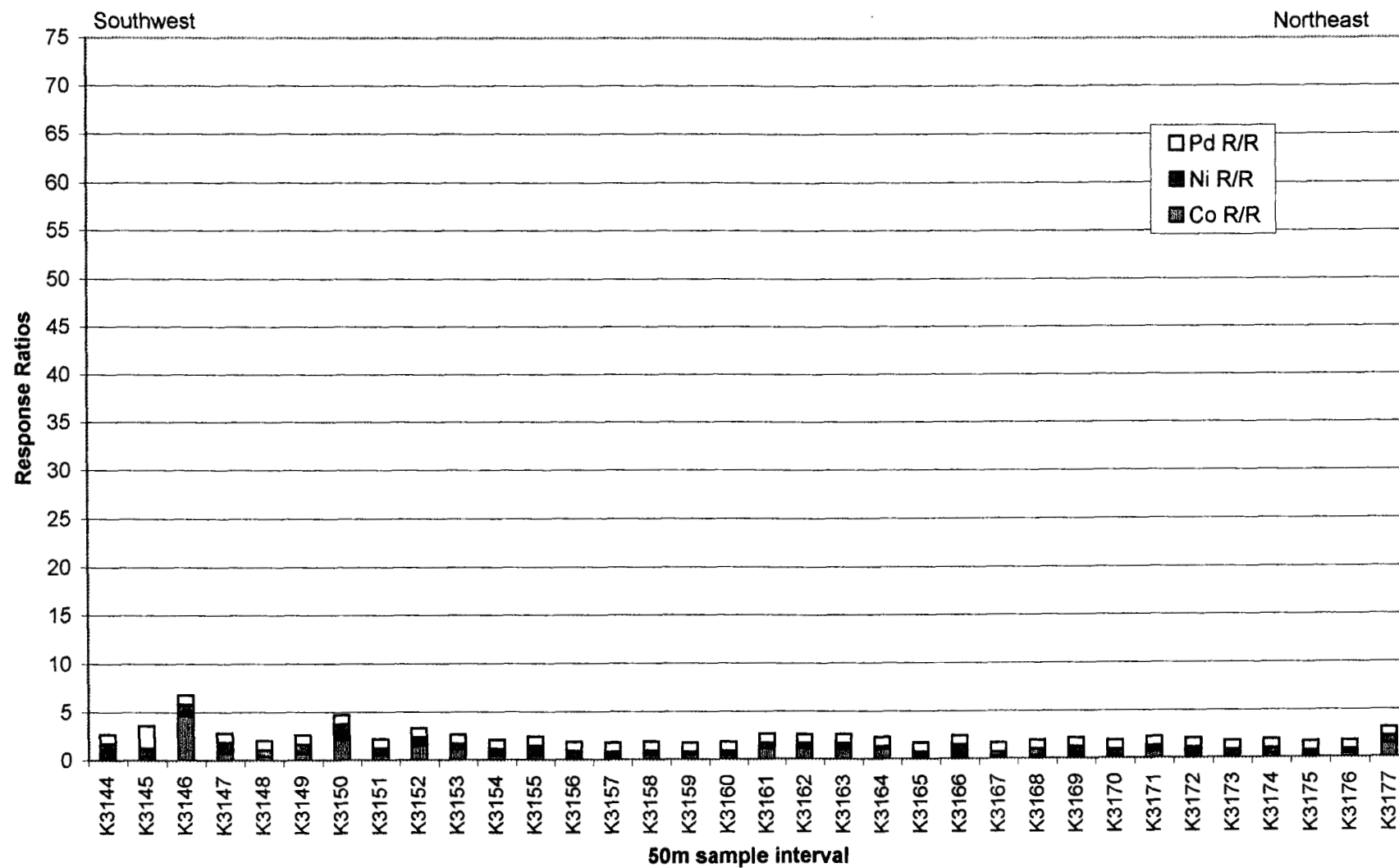
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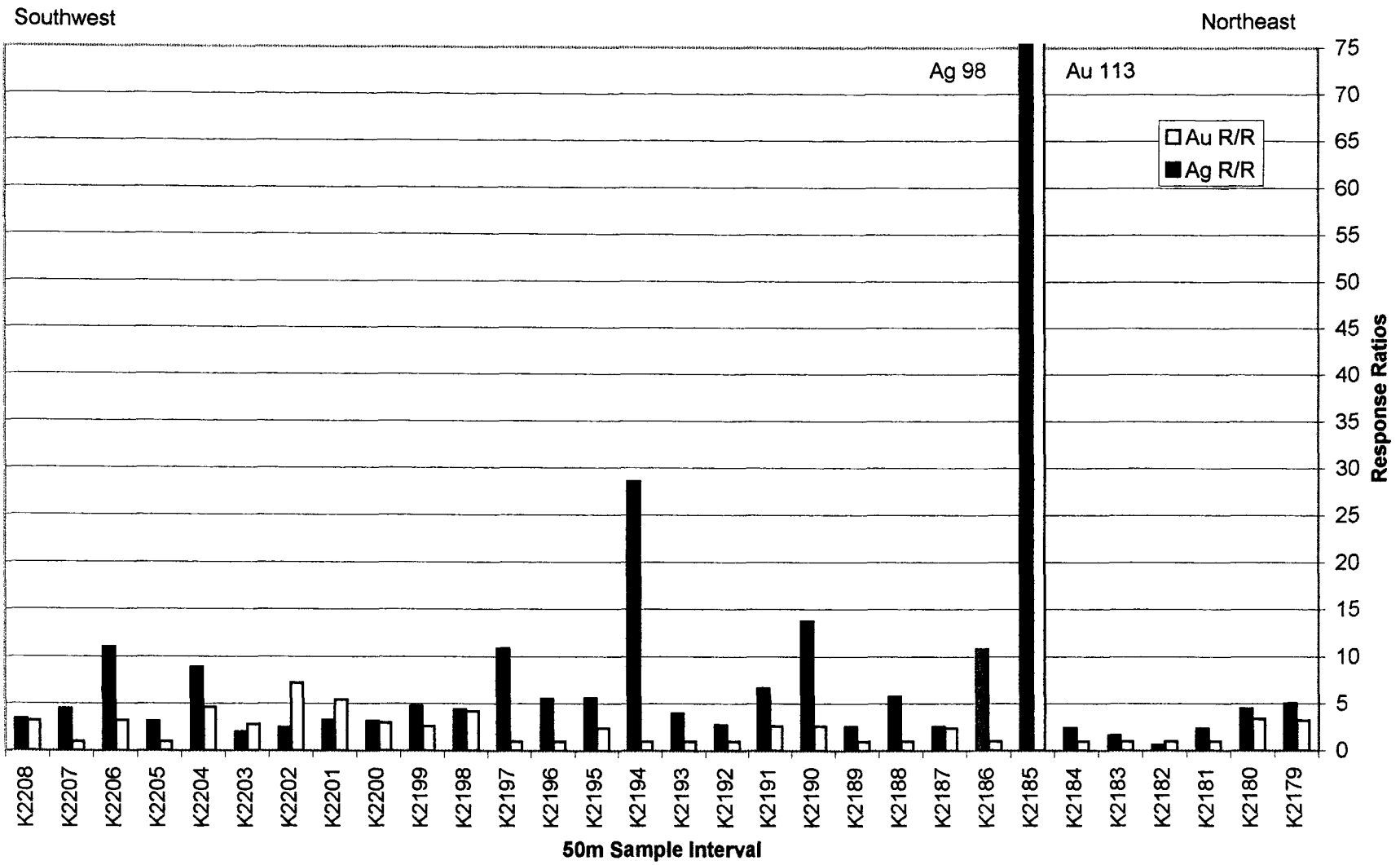
KSL EXPLORATION (YUKON) LIMITED



MMI TRAVERSE 92



MMI TRAVERSE 93

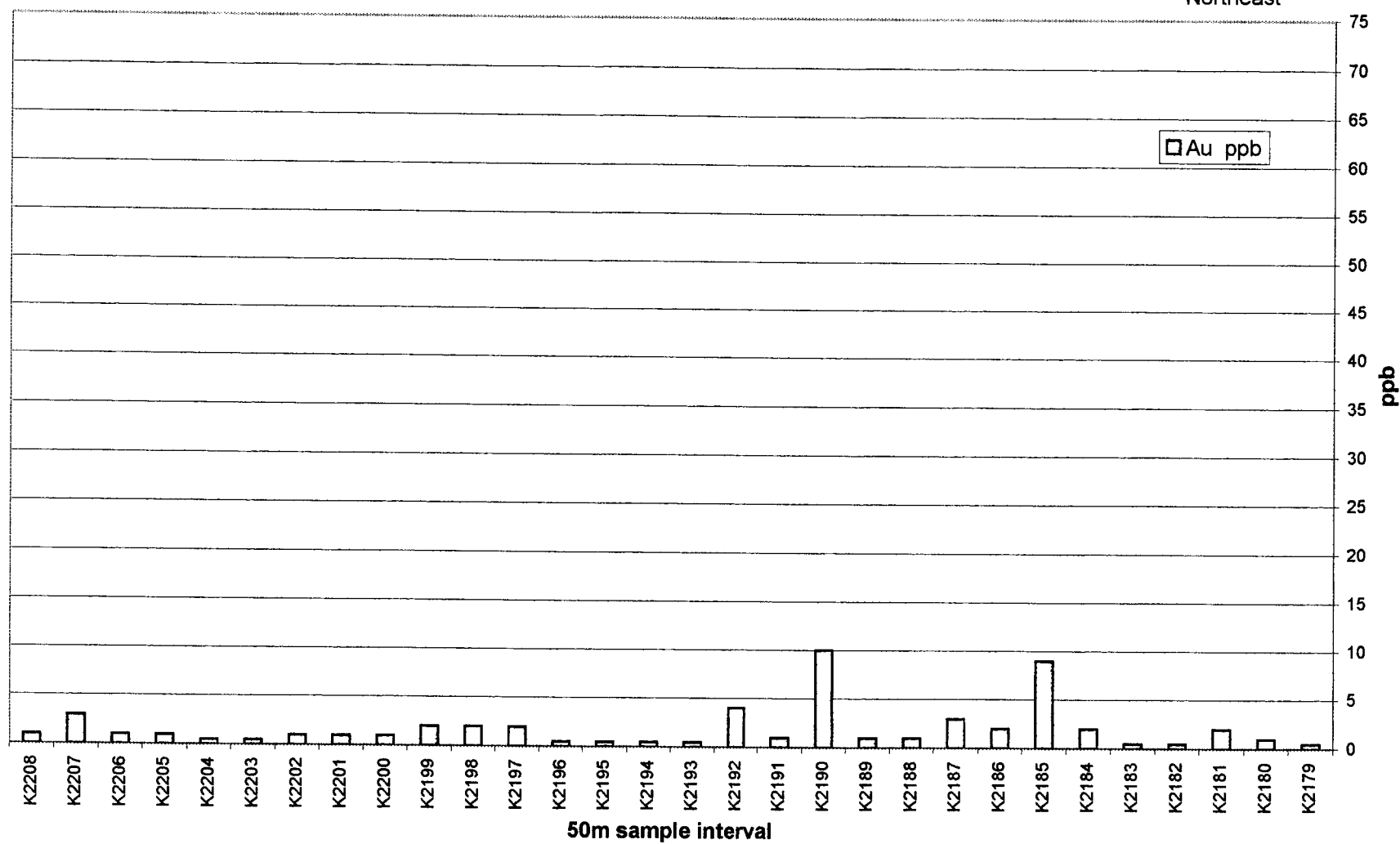


KSL EXPLORATION (YUKON) LIMITED

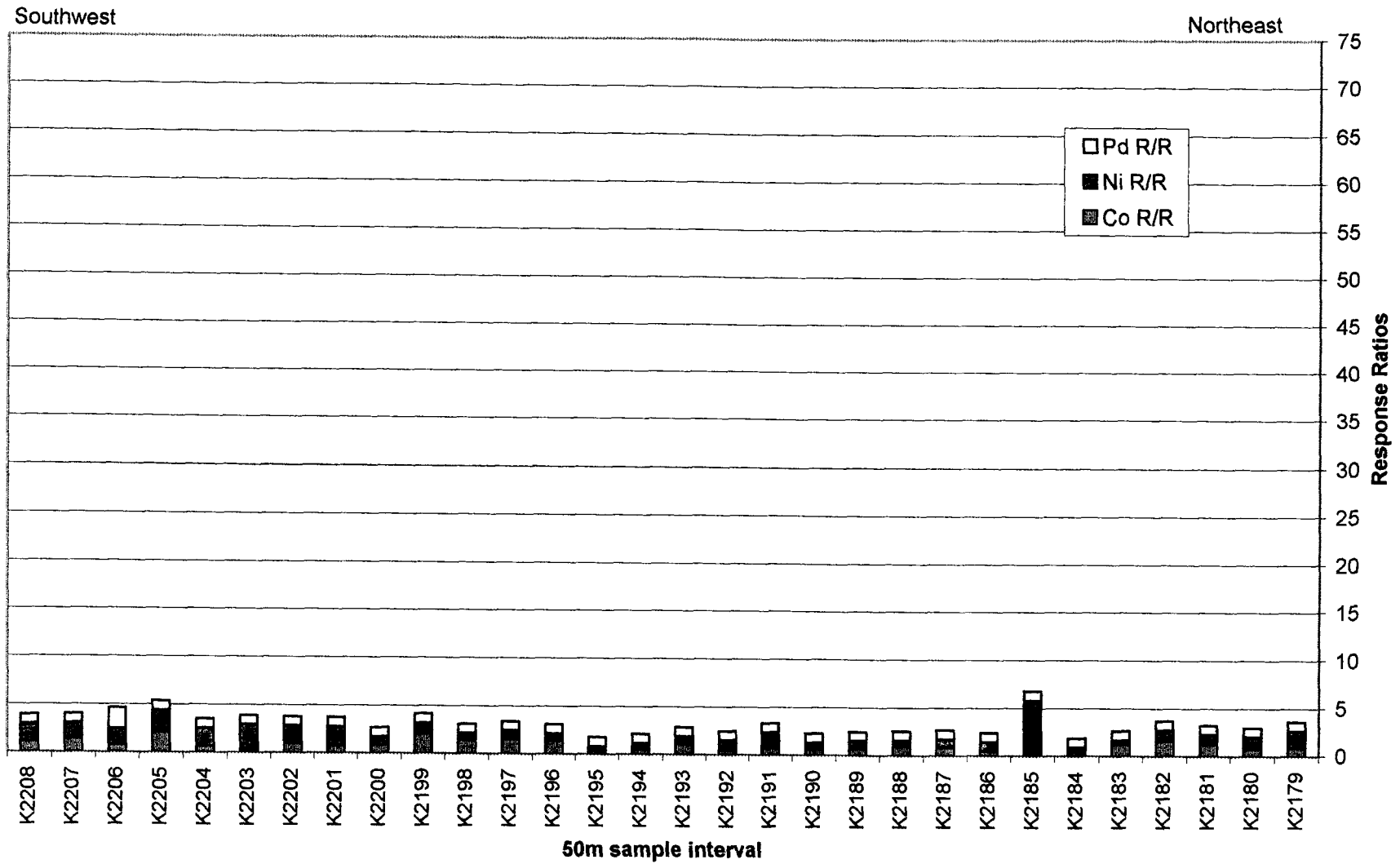
-80# TRAVERSE 913

Southwest

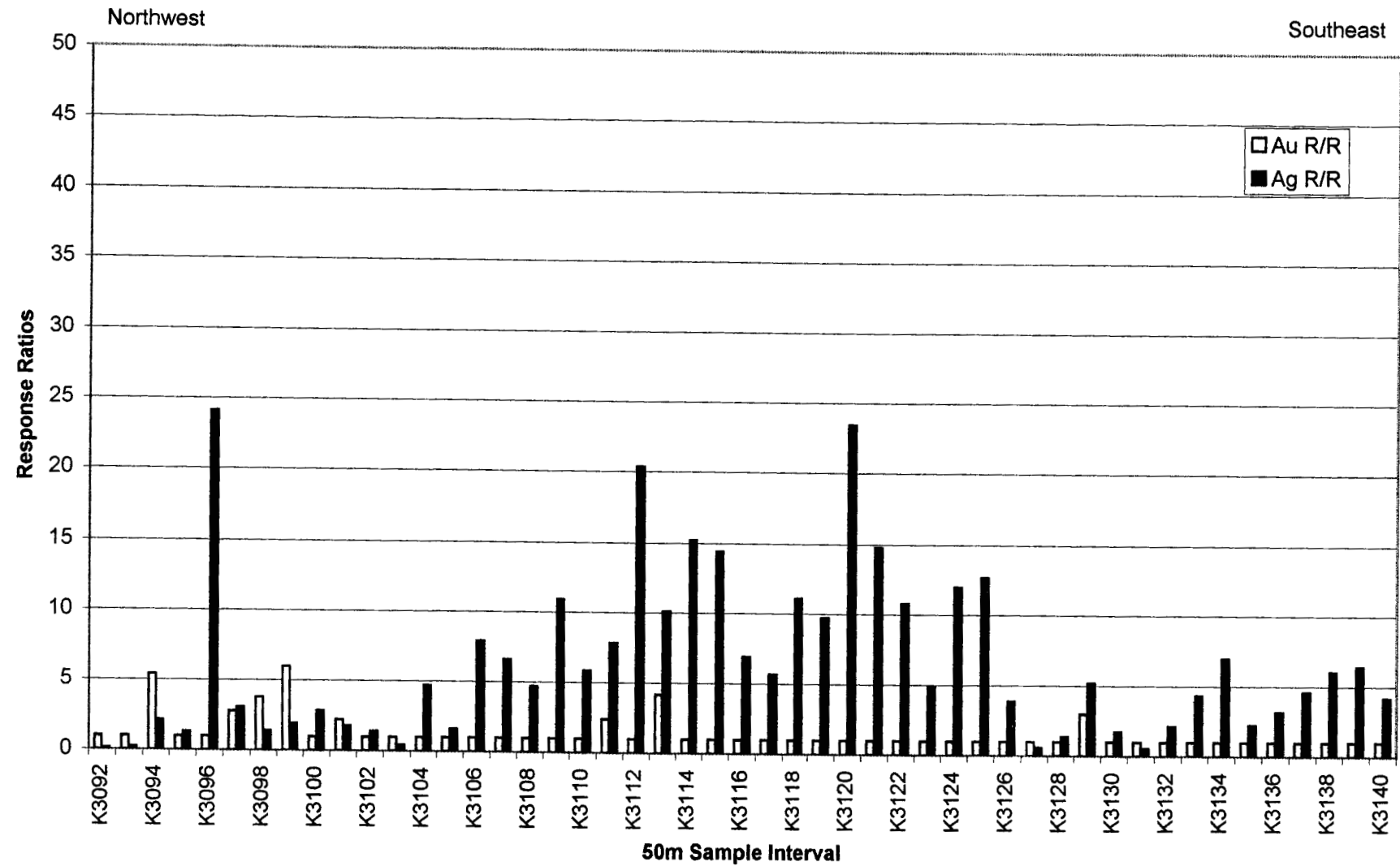
Northeast



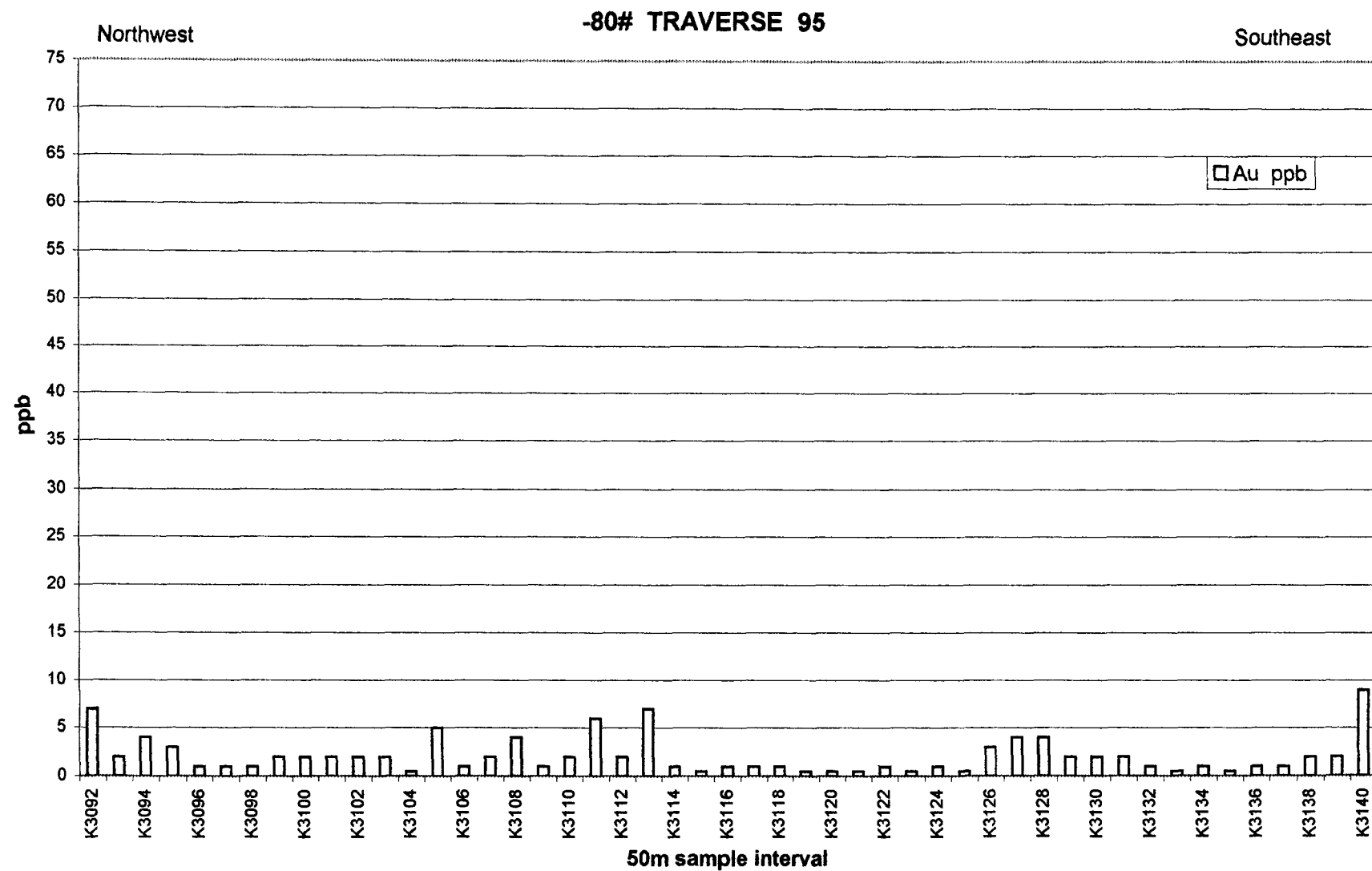
MMI TRAVERSE 92/3



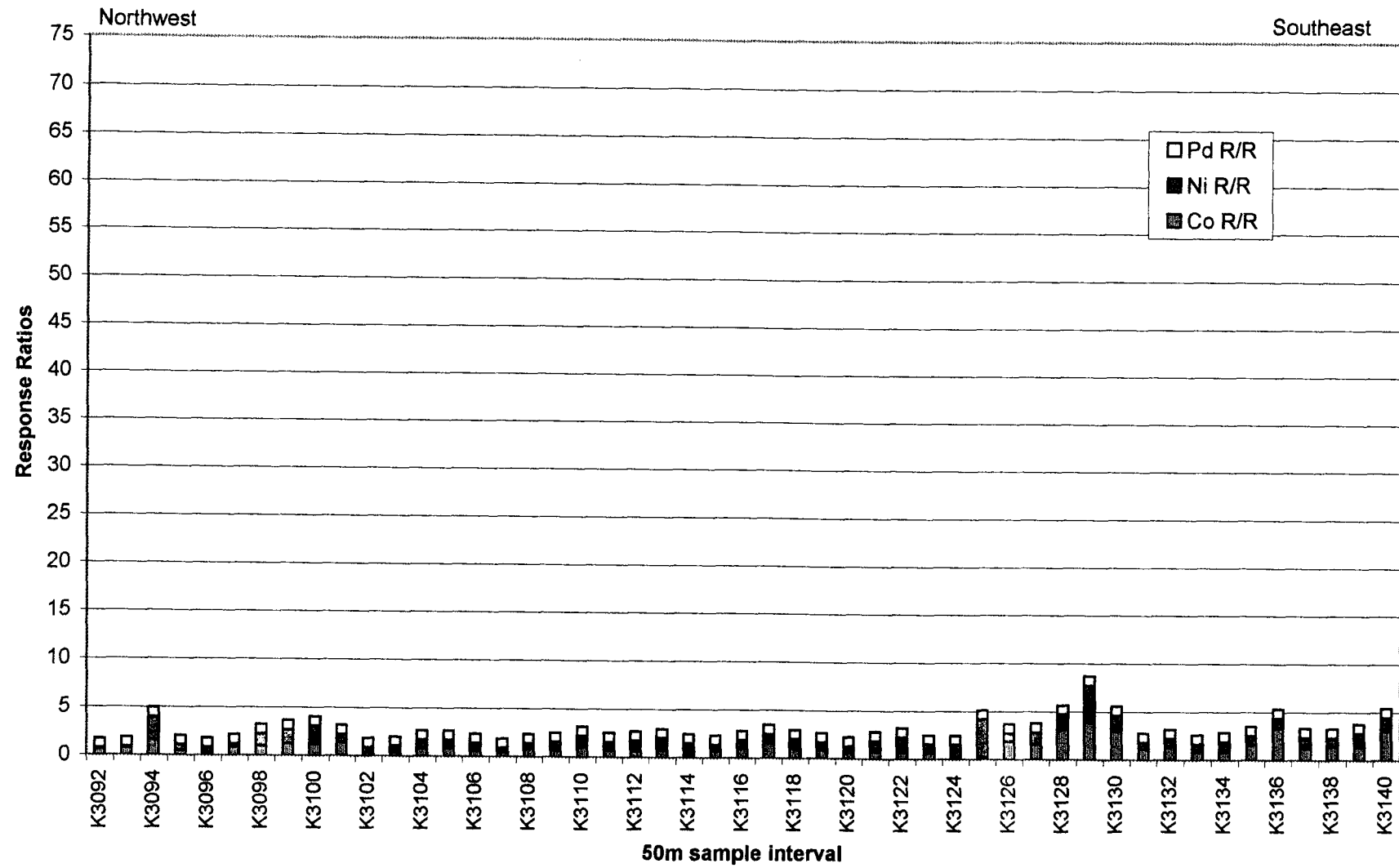
MMI TRAVERSE 95



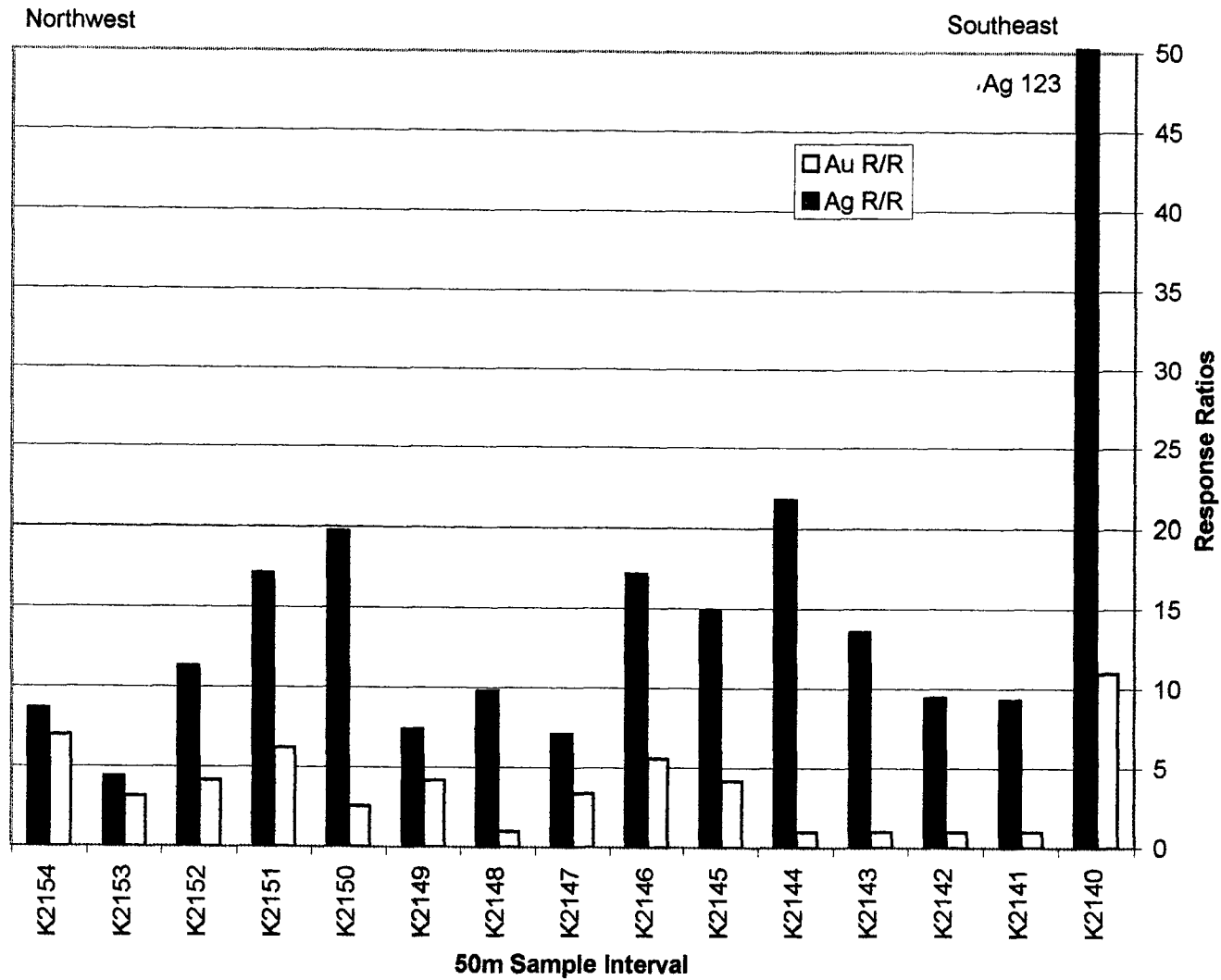
KSL EXPLORATION (YUKON) LIMITED



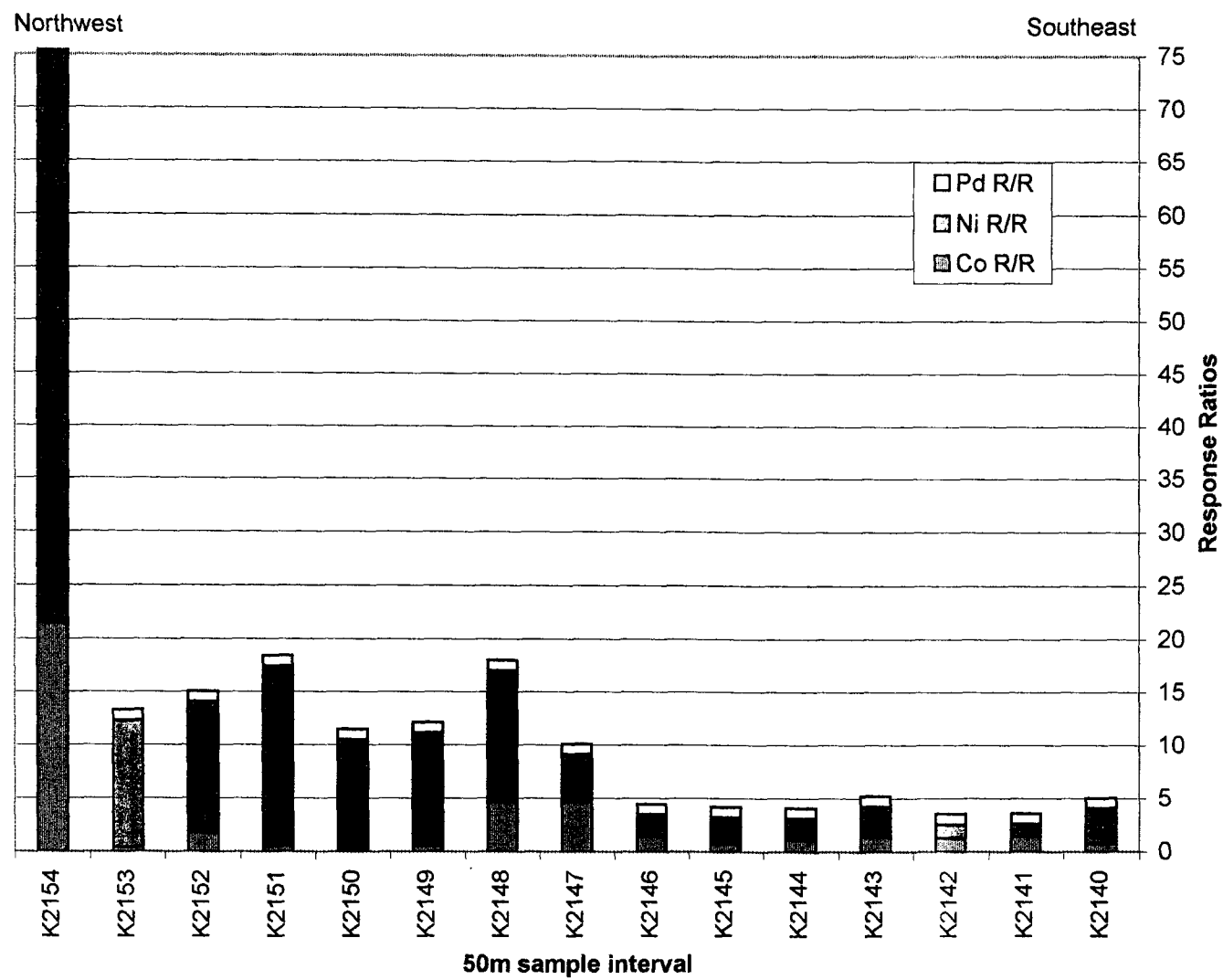
MMI TRAVERSE 95



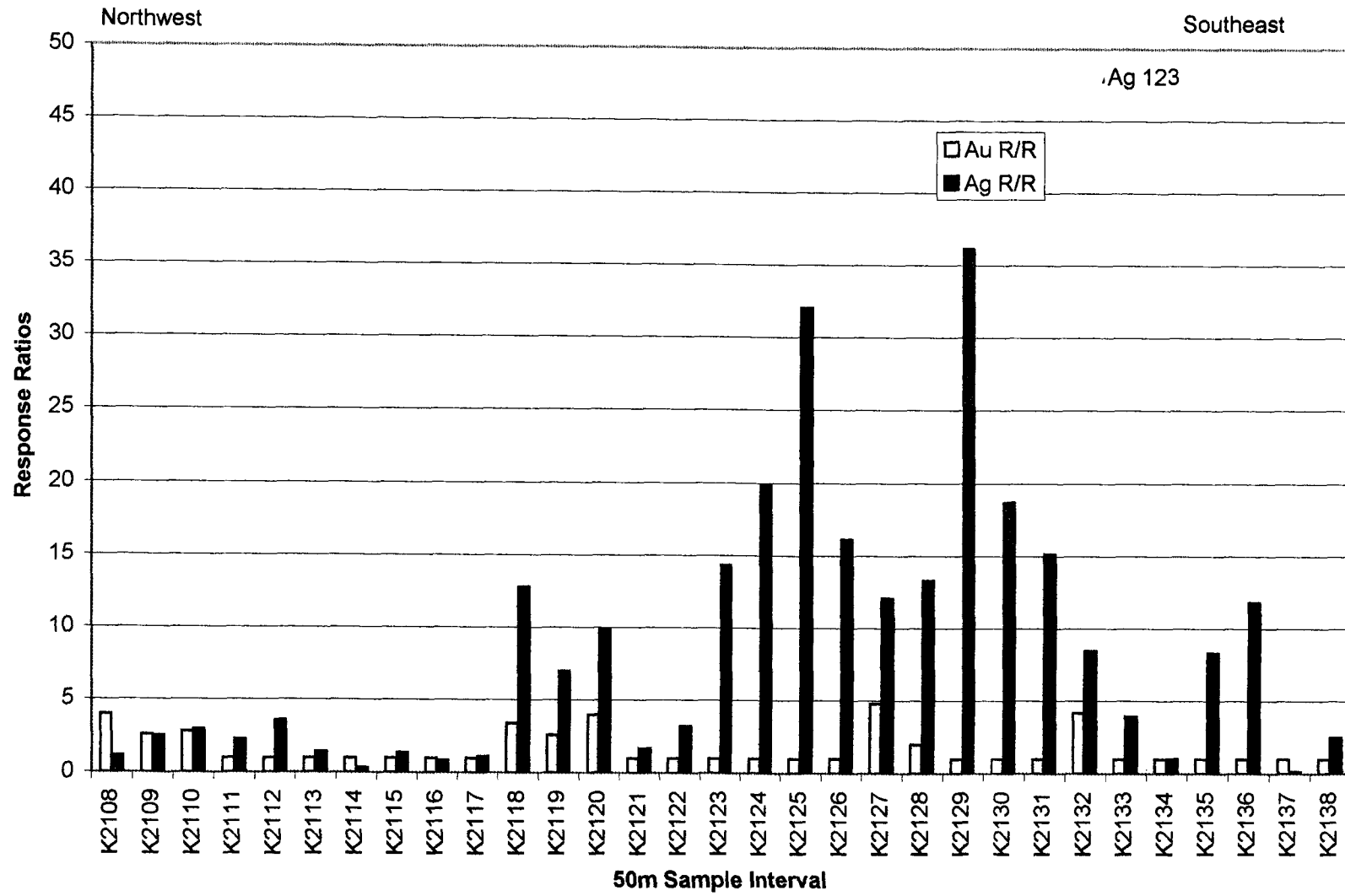
MMI TRAVERSE 97



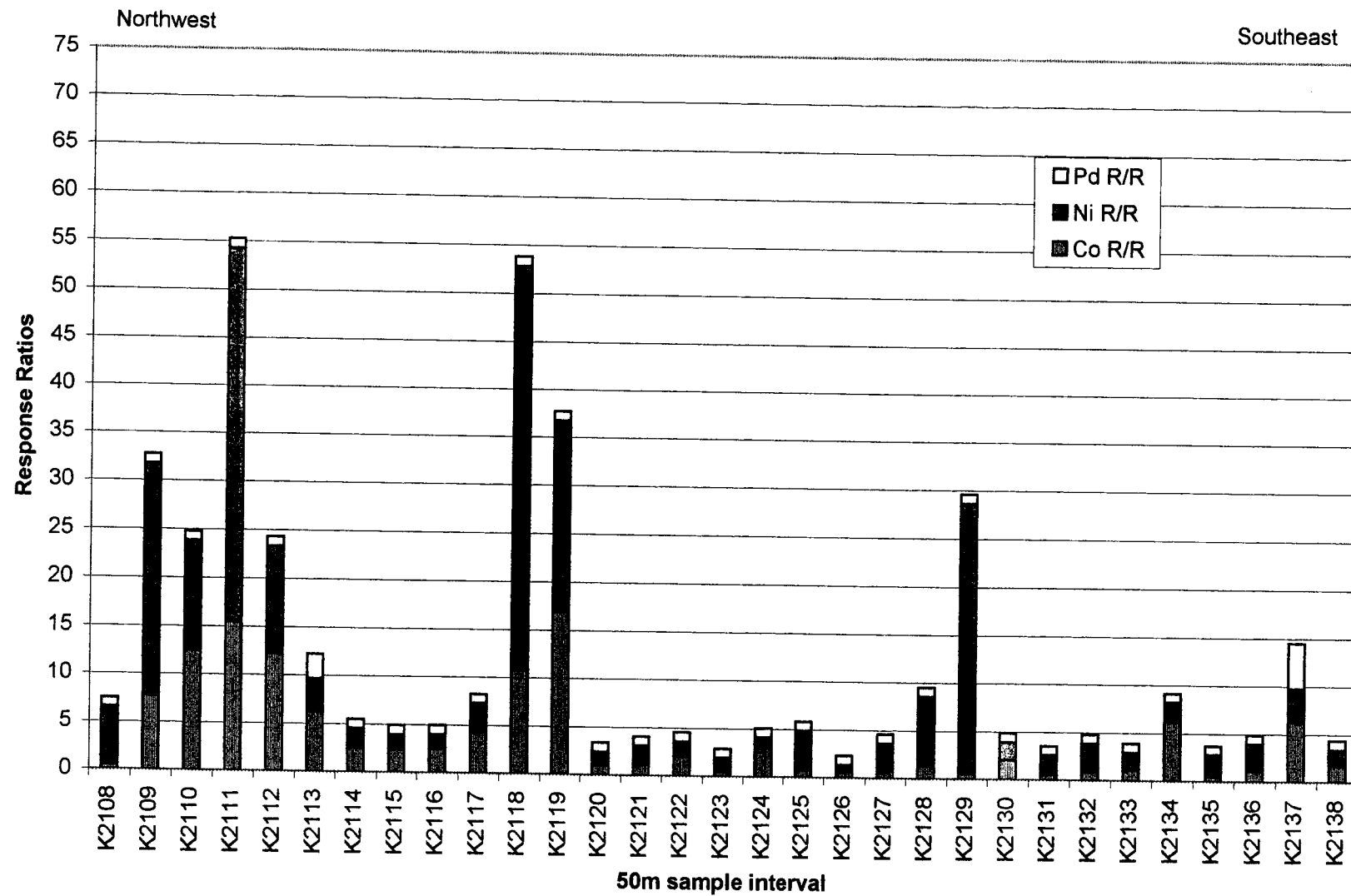
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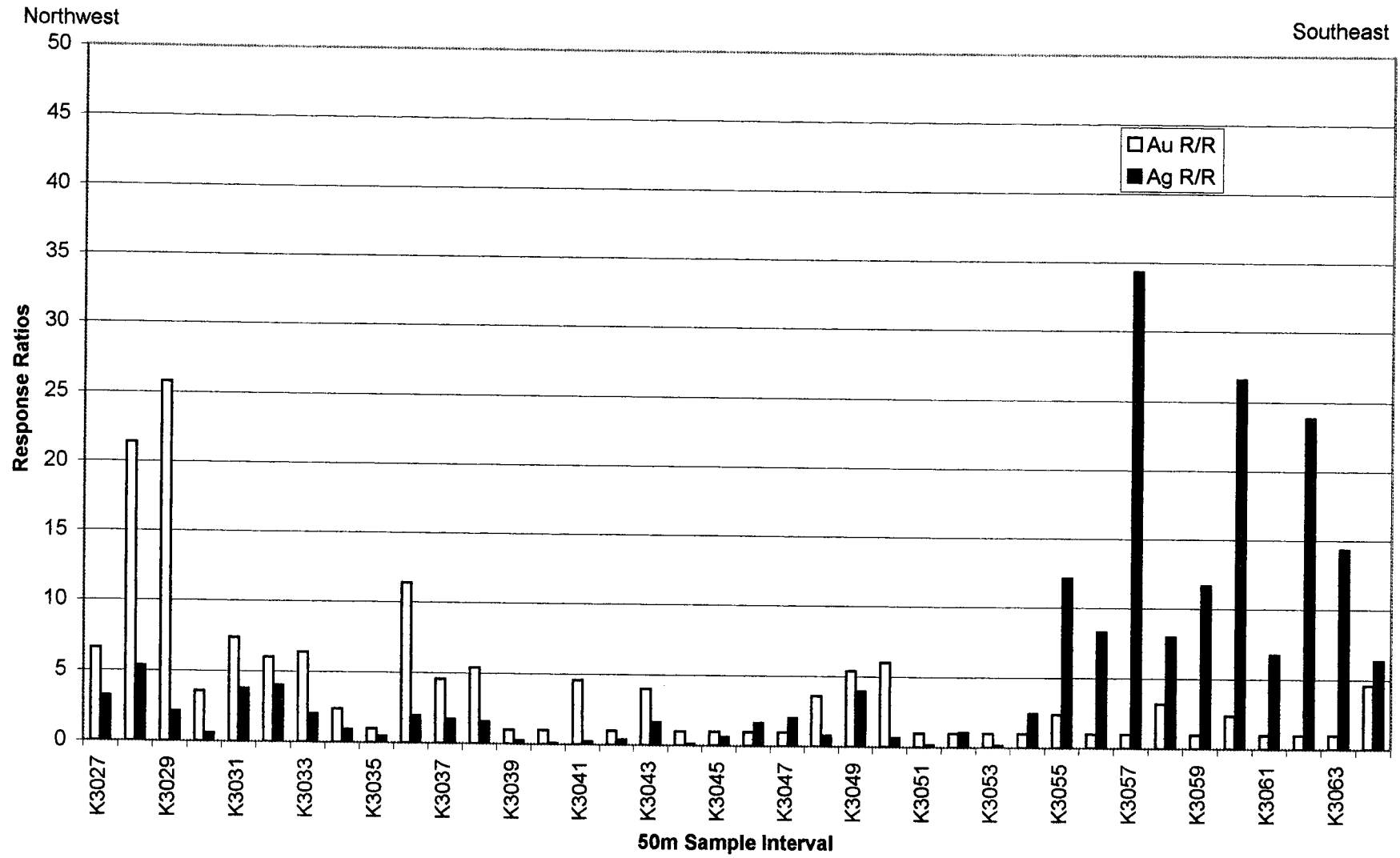
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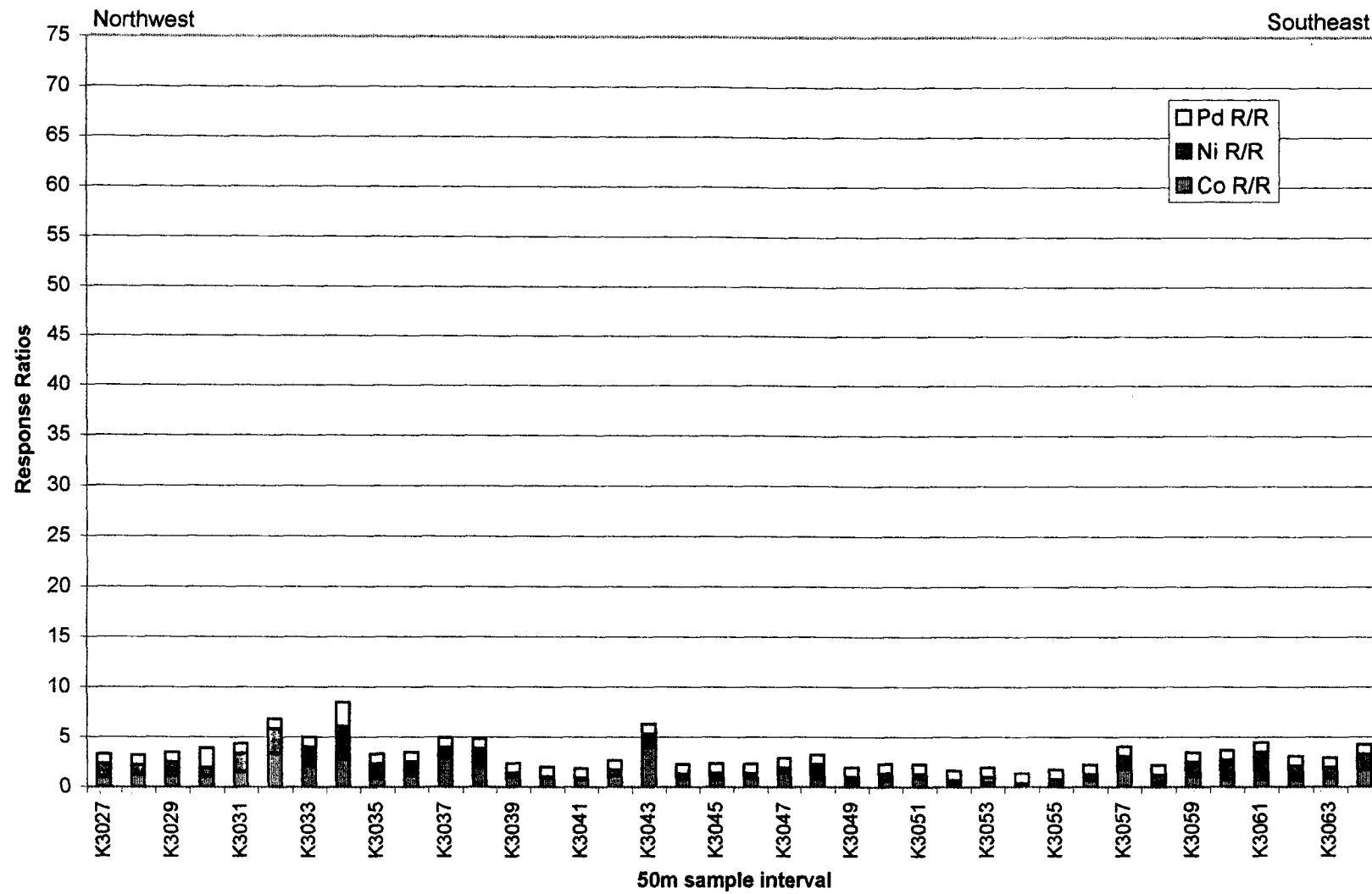
MMI TRAVERSE 98



MMI TRAVERSE 101



MMI TRAVERSE 101



APPENDIX IV

Certificates of Analysis



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 064245

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

Date : 19/07/01

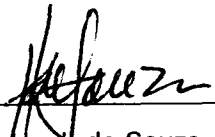
Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 122 Soil(MMI)
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 4

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 064245

Date: 19/07/01

FINAL

Page 1 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
3100	<0.1	10	22	<0.1	4.59
3101	0.11	11	10	<0.1	2.82
3102	<0.1	3	6	<0.1	2.24
3103	<0.1	3	8	<0.1	0.72
3104	<0.1	7	10	<0.1	7.57
3105	<0.1	7	10	<0.1	2.59
3106	<0.1	5	9	<0.1	12.7
3107	<0.1	3	6	<0.1	10.6
3108	<0.1	7	6	<0.1	7.58
3109	<0.1	5	11	<0.1	17.5
3110	<0.1	9	13	<0.1	9.40
3111	0.12	6	10	<0.1	12.6
3112	<0.1	5	13	<0.1	32.6
3113	0.21	6	15	<0.1	16.2
3114	<0.1	3	13	<0.1	24.4
3115	<0.1	6	7	<0.1	23.1
3116	<0.1	8	10	<0.1	11.1
3117	<0.1	12	12	<0.1	9.11
3118	<0.1	8	12	<0.1	17.8
3119	<0.1	7	10	<0.1	15.6
3120	<0.1	5	8	<0.1	37.5
3121	<0.1	6	13	<0.1	23.7
3122	<0.1	6	18	<0.1	17.3
3123	<0.1	5	11	<0.1	7.84
3124	<0.1	2	15	<0.1	19.2
3125	<0.1	2	47	<0.1	20.3
3126	<0.1	15	10	<0.1	6.20
3127	<0.1	13	14	<0.1	0.93
3128	<0.1	25	19	<0.1	2.21
3129	0.15	31	46	<0.1	8.34
3130	<0.1	24	19	<0.1	2.78
3131	<0.1	9	8	<0.1	0.89
3132	<0.1	11	10	<0.1	3.42
3133	<0.1	7	9	<0.1	6.96
3134	<0.1	7	12	<0.1	11.2
3135	<0.1	13	11	<0.1	3.60
3136	<0.1	27	12	<0.1	5.06
3137	<0.1	10	13	<0.1	7.40
3138	<0.1	11	11	<0.1	9.71
3139	<0.1	11	17	<0.1	10.3
3140	<0.1	25	16	<0.1	6.71
3141	0.13	53	38	<0.1	4.16
3142	<0.1	5	8	<0.1	27.6
3143	<0.1	24	16	<0.1	6.15
3144	<0.1	2	19	<0.1	36.4



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Work Order: 064245

Date: 19/07/01

FINAL

Page 2 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
3145	0.19	3	11	0.12	6.03
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	47.0	932	7180	<0.1	54.9
3146	<0.1	37	15	<0.1	8.56
3147	<0.1	6	14	<0.1	3.80
3148	<0.1	3	9	<0.1	29.3
3149	<0.1	5	13	<0.1	9.61
3150	0.11	17	21	<0.1	12.5
3151	<0.1	4	9	<0.1	20.0
3152	<0.1	12	11	<0.1	8.07
3153	<0.1	9	7	<0.1	19.8
3154	<0.1	4	8	<0.1	12.1
3155	<0.1	4	12	<0.1	30.4
3156	<0.1	2	8	<0.1	36.2
3157	<0.1	2	7	<0.1	6.40
3158	<0.1	4	5	<0.1	16.2
3159	<0.1	4	3	<0.1	1.19
3160	<0.1	3	6	<0.1	0.17
3161	<0.1	9	7	<0.1	2.53
3162	<0.1	9	6	<0.1	0.12
3163	<0.1	8	8	<0.1	2.25
3164	<0.1	8	4	<0.1	3.37
3165	<0.1	2	6	<0.1	13.5
3166	<0.1	1	17	<0.1	13.8
3167	<0.1	2	5	<0.1	10.3
3168	<0.1	2	9	<0.1	29.1
3169	<0.1	2	12	<0.1	22.1
3170	<0.1	2	8	<0.1	14.8
3171	0.12	5	8	<0.1	11.9
3172	0.11	3	9	<0.1	15.9
3173	<0.1	2	7	<0.1	1.65
3174	<0.1	3	7	<0.1	3.81
3175	<0.1	2	6	<0.1	6.74
3176	<0.1	3	5	<0.1	0.21
3177	<0.1	11	10	<0.1	0.58
3178	<0.1	4	5	<0.1	20.1
3179	<0.1	5	6	<0.1	<0.1
3180	<0.1	3	6	<0.1	1.16
3181	<0.1	12	13	<0.1	0.77
3182	<0.1	22	58	<0.1	3.99
3183	<0.1	113	108	<0.1	4.73
3184	0.20	169	231	<0.1	8.11
3185	<0.1	17	51	<0.1	4.23
3186	<0.1	13	22	<0.1	1.73
3187	<0.1	6	19	<0.1	1.96



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Work Order: 064245

Date: 19/07/01

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Page 3 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
3188	0.39	19	29	<0.1	3.03
3189	0.13	10	9	<0.1	4.93
3190	0.43	25	37	<0.1	3.29
3191	0.34	33	37	<0.1	1.13
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	47.2	946	7220	<0.1	53.6
3192	0.11	15	19	0.21	1.17
3193	0.26	12	17	0.11	1.11
3194	<0.1	15	19	0.11	1.60
3195	<0.1	15	13	<0.1	0.82
3196	0.13	20	21	0.13	1.32
3197	<0.1	23	18	0.14	1.31
3198	0.14	31	17	0.19	1.63
3199	<0.1	21	15	0.12	1.55
3200	<0.1	25	25	<0.1	1.03
3201	<0.1	15	14	0.11	0.49
3202	<0.1	5	7	0.10	0.92
3203	<0.1	27	24	0.24	1.22
3204	<0.1	20	26	0.15	1.49
3205	<0.1	38	37	0.23	0.55
3206	<0.1	82	46	0.28	1.32
3207	<0.1	22	16	<0.1	0.19
3208	<0.1	201	153	0.19	2.54
3209	<0.1	15	15	0.10	0.74
3210	<0.1	24	25	0.17	0.44
3211	0.62	95	201	0.13	1.89
3212	<0.1	44	36	0.22	2.48
3213	<0.1	12	12	<0.1	0.94
3214	0.10	17	19	<0.1	4.03
3215	<0.1	24	13	0.10	<0.1
3216	<0.1	24	17	<0.1	2.12
3217	<0.1	12	11	<0.1	0.89
3218	<0.1	9	12	<0.1	0.98
3219	<0.1	8	12	<0.1	1.31
3220	<0.1	11	20	<0.1	2.65
3221	<0.1	13	13	<0.1	4.46
*Dup 3100	<0.1	12	25	<0.1	5.08
*Dup 3112	<0.1	4	12	<0.1	28.0
*Dup 3124	<0.1	2	15	<0.1	16.0
*Dup 3136	<0.1	30	13	<0.1	6.00
*Dup 3148	<0.1	3	8	<0.1	24.0
*Dup 3160	<0.1	3	5	<0.1	0.30
*Dup 3172	<0.1	3	10	<0.1	19.2
*Dup 3184	0.11	182	234	0.18	8.02
*Dup 3196	0.13	21	22	0.12	1.47



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Work Order: 064245 Date: 19/07/01

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Page 4 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup 3208	0.11	205	171	<0.1	2.92
*Dup 3220	<0.1	11	17	<0.1	3.00
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	47.9	946	7450	<0.1	54.7



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 064247

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

Date : 19/07/01

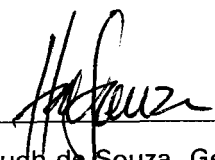
Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 71 Soil(MMI)
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 2

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
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Work Order: 064247

Date: 19/07/01

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Page 1 of 2

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2001	0.21	15	237	<0.1	3.34
K2002	0.21	94	275	<0.1	4.60
K2003	0.19	13	89	0.10	0.12
K2004	0.29	116	109	<0.1	2.73
K2005	0.20	19	32	0.10	2.12
K2006	0.17	11	271	0.10	14.6
K2007	0.31	23	23	0.20	1.17
K2008	0.44	14	19	0.10	0.69
K2009	0.31	25	29	<0.1	3.90
K2010	0.21	8	7	<0.1	1.61
K2011	0.29	9	20	<0.1	1.55
K2012	<0.1	7	13	<0.1	0.53
K2013	<0.1	7	30	<0.1	0.51
K2014	0.10	30	26	<0.1	1.10
K2015	<0.1	11	11	<0.1	0.64
K2016	0.18	5	13	<0.1	0.25
K2017	<0.1	3	6	<0.1	0.24
K2018	<0.1	10	9	<0.1	0.95
K2019	<0.1	11	13	<0.1	0.36
K2020	<0.1	30	94	<0.1	3.28
K2021	<0.1	55	41	<0.1	1.09
K2022	<0.1	15	17	<0.1	0.57
K2023	0.18	112	364	<0.1	6.78
K2024	<0.1	130	6	<0.1	2.75
K2025	<0.1	6	33	0.10	2.03
K2026	<0.1	38	176	0.20	9.17
K2027	0.37	205	342	0.20	14.2
K2028	0.20	68	167	<0.1	12.3
K2029	0.21	4	89	0.20	4.48
K2030	0.17	164	201	0.10	15.0
K2031	<0.1	68	204	<0.1	6.24
K2032	0.15	165	484	<0.1	0.22
K2033	0.23	93	142	0.20	5.67
K2034	<0.1	12	5	<0.1	5.82
K2035	0.14	28	66	<0.1	2.62
K2036	<0.1	160	465	<0.1	7.26
K2037	<0.1	8	21	<0.1	5.90
K2038	<0.1	11	45	<0.1	14.2
K2039	<0.1	35	60	<0.1	10.8
K2040	0.18	55	22	<0.1	9.33
K2041	<0.1	24	19	<0.1	8.49
K2042	<0.1	17	10	<0.1	1.50
K2043	0.12	23	23	<0.1	13.7
K2044	<0.1	138	125	<0.1	6.92
K2045	0.14	28	30	<0.1	18.6



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Page 2 of 2

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2046	<0.1	13	40	<0.1	8.62
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	45.1	1050	7910	<0.1	49.9
K2047	0.11	3	69	<0.1	0.30
K2048	0.13	50	67	<0.1	2.56
K2049	0.34	61	83	0.10	1.52
K2050	0.17	6	55	0.10	1.88
K2051	0.34	69	42	<0.1	5.73
K2052	0.43	16	19	<0.1	2.18
K2053	0.26	14	23	0.20	2.94
K2054	0.14	26	17	<0.1	8.89
K2055	0.25	7	53	<0.1	2.32
K2056	0.30	7	37	0.20	58.5
K2057	0.10	10	22	<0.1	11.7
K2058	<0.1	8	39	<0.1	9.21
K2059	0.21	18	32	<0.1	52.7
K2060	0.18	6	18	0.10	17.8
K2061	<0.1	4	27	<0.1	22.0
K2062	0.11	4	16	<0.1	20.7
K2063	0.16	4	14	<0.1	27.4
K2064	<0.1	3	12	<0.1	109
K2065	0.15	2	19	<0.1	24.0
K2066	0.25	2	12	<0.1	81.2
K2067	0.21	9	11	<0.1	4.29
K2068	0.13	13	11	<0.1	2.36
K2069	0.15	24	16	<0.1	3.35
K2070	<0.1	17	27	<0.1	9.00
K2071	0.14	19	33	<0.1	2.03
*Dup K2001	0.13	12	200	<0.1	2.90
*Dup K2013	<0.1	9	27	<0.1	0.30
*Dup K2025	<0.1	6	31	<0.1	1.70
*Dup K2037	<0.1	8	17	<0.1	6.61
*Dup K2049	0.31	54	75	<0.1	1.78
*Dup K2061	0.10	3	29	<0.1	19.7
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	57.5	1030	7630	<0.1	46.7



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CERTIFICATE OF ANALYSIS

Work Order: 064243

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

Date : 19/07/01

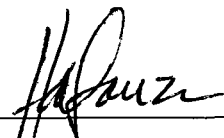
Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 104 Soil(MMI)
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

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



XRAL Laboratories
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Work Order: 064243

Date: 19/07/01

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Page 1 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
2108	0.20	4	78	<0.1	2.32
2109	0.13	62	312	<0.1	5.06
2110	0.14	100	147	<0.1	5.95
2111	<0.1	124	504	<0.1	4.56
2112	<0.1	98	144	<0.1	7.20
2113	<0.1	50	44	0.13	2.87
2114	<0.1	20	26	<0.1	0.70
2115	<0.1	19	20	<0.1	2.77
2116	<0.1	20	19	<0.1	1.67
2117	<0.1	34	39	<0.1	2.22
2118	0.17	86	547	<0.1	25.6
2119	0.13	135	258	<0.1	14.0
2120	0.20	8	18	<0.1	19.8
2121	<0.1	9	25	<0.1	3.37
2122	<0.1	16	20	<0.1	6.45
2123	<0.1	4	18	<0.1	28.7
2124	<0.1	24	14	<0.1	39.7
2125	<0.1	6	53	<0.1	64.1
2126	<0.1	5	9	<0.1	32.3
2127	0.24	6	37	<0.1	24.2
2128	0.10	11	93	<0.1	26.6
2129	<0.1	5	364	<0.1	72.3
2130	<0.1	16	24	<0.1	37.4
2131	<0.1	5	25	<0.1	30.3
2132	0.21	7	38	<0.1	16.9
2133	<0.1	9	23	<0.1	7.88
2134	<0.1	50	25	<0.1	2.09
2135	<0.1	4	29	<0.1	16.6
2136	<0.1	9	36	<0.1	23.7
2137	<0.1	50	45	0.24	0.33
2138	<0.1	14	21	<0.1	4.99
2140	0.55	6	43	<0.1	246
2141	<0.1	11	16	<0.1	18.6
2142	<0.1	10	17	<0.1	18.9
2143	<0.1	11	37	<0.1	27.1
2144	<0.1	9	26	<0.1	43.5
2145	0.21	6	32	<0.1	29.7
2146	0.28	11	27	<0.1	34.3
2147	0.17	37	58	<0.1	14.2
2148	<0.1	37	161	<0.1	19.6
2149	0.21	4	138	<0.1	14.8
2150	0.13	2	133	<0.1	39.5
2151	0.31	4	220	<0.1	34.2
2152	0.21	14	160	<0.1	22.6
2153	0.16	3	155	<0.1	8.82



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Page 2 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
2154	0.35	172	948	0.20	17.3
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	51.5	1030	8140	<0.1	64.1
2155	2.14	32	139	<0.1	284
2156	0.41	16	42	<0.1	6.51
2157	0.16	19	35	<0.1	8.36
2158	0.15	12	15	<0.1	2.77
2159	0.24	31	25	<0.1	7.77
2160	0.15	22	32	<0.1	9.03
2161	<0.1	31	34	<0.1	6.22
2162	1.55	35	358	<0.1	32.6
2163	0.23	22	44	<0.1	29.4
2164	0.40	42	126	<0.1	30.0
2165	0.13	18	50	<0.1	14.3
2166	0.25	28	73	<0.1	18.8
2167	0.47	41	291	<0.1	17.2
2168	0.35	28	99	<0.1	22.0
2169	0.20	32	80	<0.1	12.7
2170	<0.1	11	22	<0.1	3.54
2171	<0.1	148	124	<0.1	41.7
2172	<0.1	10	12	<0.1	2.87
2173	0.12	11	11	<0.1	2.21
2174	0.18	8	10	<0.1	1.44
2175	<0.1	7	4	<0.1	1.44
2176	0.14	13	13	<0.1	2.93
2177	<0.1	13	13	<0.1	2.23
2178	0.18	17	27	<0.1	10.4
2179	0.16	7	21	<0.1	8.04
2180	0.17	6	15	<0.1	7.20
2181	<0.1	10	12	<0.1	3.83
2182	<0.1	13	13	<0.1	0.99
2183	<0.1	10	5	<0.1	2.59
2184	<0.1	3	6	<0.1	3.87
2185	5.63	1	68	<0.1	156
2186	<0.1	4	11	<0.1	17.3
2187	0.12	7	10	<0.1	4.10
2188	<0.1	8	7	<0.1	9.21
2189	<0.1	6	9	<0.1	4.12
2190	0.13	5	8	<0.1	22.0
2191	0.13	6	19	<0.1	10.6
2192	<0.1	4	12	<0.1	4.41
2193	<0.1	9	9	<0.1	6.31
2194	<0.1	4	8	<0.1	45.7
2195	0.12	3	5	<0.1	8.95
2196	<0.1	11	9	<0.1	8.82



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Work Order: 064243

Date: 19/07/01

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Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
2197	<0.1	12	11	<0.1	17.4
2198	0.21	11	9	<0.1	7.01
2199	0.13	16	14	<0.1	7.63
2200	0.15	7	10	<0.1	5.04
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	52.8	1040	7640	<0.1	67.0
2201	0.27	6	24	<0.1	5.19
2202	0.36	8	22	<0.1	3.92
2203	0.14	2	32	<0.1	3.21
2204	0.23	5	23	<0.1	14.2
2205	<0.1	17	27	<0.1	5.02
2206	0.16	6	20	0.11	17.6
2207	<0.1	11	20	<0.1	7.17
2208	0.16	9	22	<0.1	5.46
2209	0.12	6	10	<0.1	9.78
2210	<0.1	8	11	<0.1	5.20
2211	<0.1	6	7	<0.1	9.16
2212	0.16	11	9	<0.1	2.27
*Dup 2108	0.21	1	67	<0.1	2.00
*Dup 2120	0.31	7	20	<0.1	19.4
*Dup 2132	0.16	7	37	<0.1	19.4
*Dup 2145	0.10	5	26	<0.1	25.8
*Dup 2157	0.16	24	34	<0.1	9.40
*Dup 2169	0.40	36	94	<0.1	14.5
*Dup 2181	0.13	8	12	<0.1	3.85
*Dup 2193	0.10	10	5	<0.1	6.74
*Dup 2205	<0.1	21	17	<0.1	6.00
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	51.1	1020	7670	<0.1	64.5



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1885 Leslie Street
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CERTIFICATE OF ANALYSIS

Work Order: 064248

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

Date : 24/07/01

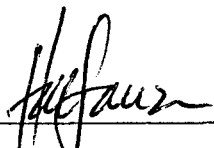
Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 63 Soil(MMI)
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 2

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :



Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
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M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 064248

Date: 24/07/01

FINAL

Page 1 of 2

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2072	0.80	147	142	<0.1	3.60
K2073	0.14	30	47	<0.1	3.23
K2074	0.13	15	285	<0.1	10.2
K2075	<0.1	10	14	<0.1	0.42
K2076	0.10	59	39	<0.1	1.92
K2077	<0.1	15	25	<0.1	0.25
K2078	0.11	53	79	<0.1	4.64
K2079	0.19	169	393	<0.1	4.75
K2080	<0.1	4	62	<0.1	11.8
K2081	<0.1	12	64	<0.1	0.39
K2082	<0.1	7	7	<0.1	19.9
K2083	<0.1	19	20	<0.1	7.79
K2084	0.20	46	34	<0.1	15.5
K2085	<0.1	53	22	<0.1	8.45
K2086	0.39	38	48	<0.1	5.15
K2087	0.11	21	17	<0.1	3.92
K2088	<0.1	18	12	<0.1	3.60
K2089	<0.1	9	5	<0.1	1.56
K2090	<0.1	13	16	<0.1	3.33
K2091	0.12	11	7	<0.1	3.84
K2092	<0.1	16	11	<0.1	3.27
K2093	0.25	18	14	<0.1	3.54
K2094	<0.1	14	7	<0.1	4.63
K2095	<0.1	11	13	<0.1	25.4
K2096	<0.1	22	30	<0.1	11.1
K2097	<0.1	11	8	<0.1	11.9
K2098	<0.1	9	6	<0.1	10.8
K2099	0.18	19	17	<0.1	16.8
K2100	<0.1	7	7	<0.1	46.1
K2101	<0.1	11	10	<0.1	9.60
K2102	0.10	1	8	<0.1	7.79
K2103	<0.1	9	11	<0.1	5.33
K2104	<0.1	6	6	<0.1	2.45
K2105	<0.1	5	10	<0.1	12.5
K2106	<0.1	3	6	<0.1	8.61
K2107	<0.1	12	17	<0.1	2.87
K3000	<0.1	11	17	<0.1	2.10
K3001	<0.1	11	3	<0.1	0.32
K3002	<0.1	6	<3	<0.1	0.68
K3003	<0.1	10	7	<0.1	2.22
K3004	<0.1	7	<3	<0.1	5.00
K3005	<0.1	14	13	<0.1	2.46
K3006	<0.1	71	4	<0.1	7.41
K3007	<0.1	94	33	<0.1	11.6
K3008	<0.1	9	<3	<0.1	19.5



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Work Order: 064248

Date: 24/07/01

FINAL

Page 2 of 2

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3009	0.80	7	22	<0.1	3.51
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	46.6	950	7110	<0.1	53.6
K3010	0.10	3	29	<0.1	5.57
K3011	<0.1	8	9	<0.1	13.2
K3012	0.10	13	12	<0.1	10.3
K3013	0.12	20	14	<0.1	21.9
K3014	<0.1	17	21	<0.1	8.88
K3015	<0.1	27	22	<0.1	29.9
K3016	<0.1	16	31	<0.1	13.8
K3017	<0.1	4	32	<0.1	14.3
K3018	<0.1	4	51	<0.1	37.7
K3019	0.25	8	13	<0.1	10.9
K3020	<0.1	4	15	<0.1	6.56
K3021	<0.1	5	14	<0.1	16.4
K3022	0.13	5	19	<0.1	24.7
K3023	<0.1	18	17	<0.1	13.2
K3024	<0.1	15	21	<0.1	31.1
K3025	<0.1	3	32	<0.1	18.0
K3026	0.12	6	41	<0.1	27.4
*Dup K2072	0.70	131	163	<0.1	3.14
*Dup K2084	0.20	51	31	<0.1	13.4
*Dup K2096	<0.1	22	34	<0.1	11.0
*Dup K3000	<0.1	9	16	<0.1	2.10
*Dup K3012	<0.1	14	10	<0.1	12.0
*Dup K3024	<0.1	12	18	<0.1	28.1
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	48.7	987	7440	<0.1	53.5



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 064244

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

Date : 24/07/01

Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 110 Soil(MMI)
Date Submitted : 16/07/01
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
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Work Order: 064244

Date: 24/07/01

FINAL

Page 1 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
2213	<0.1	8	14	<0.1	4.00
2214	<0.1	8	9	<0.1	2.08
2215	<0.1	3	6	<0.1	2.95
2216	<0.1	9	4	<0.1	0.53
2217	<0.1	4	<3	<0.1	1.64
2218	0.29	16	6	<0.1	2.83
2219	<0.1	6	<3	<0.1	3.69
2220	<0.1	18	17	<0.1	1.76
2221	<0.1	15	20	<0.1	3.78
2222	0.25	25	21	<0.1	4.06
2223	<0.1	29	41	<0.1	4.13
2224	0.14	49	37	<0.1	4.45
2225	0.35	11	41	<0.1	5.00
2226	<0.1	25	38	<0.1	4.18
2227	<0.1	17	20	<0.1	2.32
2228	<0.1	5	21	<0.1	3.81
2229	0.11	7	20	<0.1	6.66
2230	0.21	12	33	<0.1	9.77
2231	<0.1	8	17	<0.1	3.17
2232	<0.1	6	19	<0.1	3.62
2233	<0.1	3	23	<0.1	10.5
2234	<0.1	13	20	<0.1	2.85
2235	<0.1	26	22	<0.1	2.44
2236	0.34	17	26	<0.1	4.43
2237	0.32	39	59	0.13	33.7
2238	0.13	5	28	<0.1	5.60
2239	0.20	6	26	<0.1	5.39
2240	<0.1	3	29	<0.1	9.77
2241	0.18	5	71	<0.1	16.6
2242	<0.1	4	85	<0.1	27.2
2243	0.18	13	23	<0.1	19.3
2244	<0.1	6	20	<0.1	39.6
2245	0.29	11	21	0.14	7.62
2246	<0.1	4	13	<0.1	18.7
2247	0.19	4	16	<0.1	8.33
2248	0.17	7	15	0.13	0.76
2249	0.23	3	45	0.18	10.7
3027	0.33	8	17	<0.1	6.44
3028	1.07	10	13	<0.1	10.7
3029	1.29	9	18	<0.1	4.27
3030	0.18	8	12	0.10	1.15
3031	0.37	12	24	<0.1	7.56
3032	0.30	27	32	<0.1	8.09
3033	0.32	16	26	<0.1	4.01
3034	0.12	22	43	0.12	1.86



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 064244

Date: 24/07/01

FINAL

Page 2 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
3035	<0.1	7	19	<0.1	0.93
*Blk BLANK	<0.1	<1	7	<0.1	<0.1
*Std MMISRM07	51.7	1030	7790	<0.1	65.6
3036	0.57	9	18	<0.1	3.89
3037	0.23	23	14	<0.1	3.46
3038	0.27	15	25	<0.1	3.19
3039	<0.1	8	5	<0.1	0.49
3040	<0.1	7	<3	<0.1	0.20
3041	0.23	6	<3	<0.1	0.43
3042	<0.1	9	7	<0.1	0.77
3043	0.20	32	17	<0.1	3.26
3044	<0.1	6	7	<0.1	0.26
3045	<0.1	6	8	<0.1	1.23
3046	<0.1	7	6	<0.1	3.30
3047	<0.1	11	7	<0.1	4.02
3048	0.18	6	19	<0.1	1.52
3049	0.27	4	6	<0.1	7.91
3050	0.30	5	9	<0.1	1.28
3051	<0.1	7	5	<0.1	0.29
3052	<0.1	2	5	<0.1	2.10
3053	<0.1	3	7	<0.1	0.31
3054	<0.1	2	<3	<0.1	4.88
3055	0.12	2	6	<0.1	24.3
3056	<0.1	5	8	<0.1	16.6
3057	<0.1	14	17	<0.1	68.7
3058	0.16	2	12	<0.1	16.0
3059	<0.1	8	19	<0.1	23.4
3060	0.12	6	25	<0.1	53.2
3061	<0.1	5	37	<0.1	13.5
3062	<0.1	5	19	<0.1	47.7
3063	<0.1	7	14	<0.1	28.7
3064	0.23	14	20	<0.1	12.7
3065	<0.1	10	13	<0.1	0.15
3066	0.25	6	19	<0.1	78.3
3067	0.39	11	16	<0.1	2.72
3068	<0.1	3	7	<0.1	0.54
3069	0.24	7	13	<0.1	2.05
3070	0.56	11	18	<0.1	3.57
3071	<0.1	6	13	<0.1	2.29
3072	0.48	4	16	<0.1	1.84
3073	<0.1	4	8	<0.1	3.56
3074	0.20	12	11	<0.1	2.71
3075	<0.1	10	9	<0.1	3.57
3076	0.12	7	11	<0.1	5.11
3077	0.19	8	18	<0.1	3.71



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 064244

Date: 24/07/01

FINAL

Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
3078	0.20	10	22	<0.1	9.69
3079	0.21	21	30	<0.1	3.77
3080	0.50	5	38	<0.1	15.6
3081	0.49	16	27	<0.1	11.1
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	53.3	1050	7920	<0.1	58.3
3082	0.44	11	23	0.13	0.77
3083	0.41	7	14	<0.1	29.9
3084	0.31	7	5	<0.1	3.75
3085	0.16	10	10	<0.1	30.9
3086	0.10	14	14	<0.1	8.80
3087	0.26	5	6	<0.1	5.02
3088	0.10	7	<3	<0.1	1.24
3089	0.26	6	<3	<0.1	9.11
3090	<0.1	10	<3	<0.1	145
3091	0.53	4	29	<0.1	17.2
3092	<0.1	5	<3	<0.1	0.20
3093	<0.1	6	<3	<0.1	0.36
3094	0.27	13	28	<0.1	3.45
3095	<0.1	4	7	<0.1	2.08
3096	<0.1	2	7	<0.1	38.6
3097	0.14	7	4	<0.1	4.93
3098	0.19	8	15	<0.1	2.25
3099	0.30	10	17	<0.1	3.07
*Dup 2213	<0.1	8	12	<0.1	3.77
*Dup 2225	0.39	13	40	<0.1	6.06
*Dup 2237	0.40	38	51	<0.1	30.1
*Dup 2249	0.35	3	44	<0.1	10.1
*Dup 3038	0.19	12	21	<0.1	2.80
*Dup 3050	0.10	5	12	<0.1	1.14
*Dup 3062	<0.1	6	21	<0.1	44.4
*Dup 3074	0.40	13	14	<0.1	2.27
*Dup 3086	0.10	12	14	<0.1	9.59
*Dup 3098	0.22	7	13	<0.1	2.43
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	52.5	1090	7430	<0.1	68.0



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
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CERTIFICATE OF ANALYSIS

Work Order: 066011

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

Date : 08/11/01

Copy 1 to : Adamson / Thomas
Klondike Source Ltd.

P.O. No. : BATCH# 2001-4
Project No. : KLONDIKE
No. of Samples : 128 Soil
Date Submitted : 29/10/01
Report Comprises : Cover Sheet plus
Pages 1 to 4

Duplicate results are outside acceptance criteria due to sample inhomogeneity.

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
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Work Order: 066011

Date: 08/11/01

FINAL

Page 1 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3263	<0.1	5	9	0.11	6.95
K3264	<0.1	9	16	<0.1	8.91
K3265	<0.1	8	20	<0.1	11.5
K3266	<0.1	10	19	<0.1	5.66
K3267	<0.1	12	19	<0.1	7.66
K3268	<0.1	9	20	<0.1	11.0
K3269	<0.1	6	17	<0.1	1.92
K3270	<0.1	7	15	<0.1	3.14
K3271	<0.1	9	16	<0.1	5.49
K3272	<0.1	14	18	<0.1	2.05
K3273	<0.1	8	15	<0.1	3.45
K3274	<0.1	16	19	<0.1	9.05
K3275	<0.1	19	27	<0.1	7.83
K3276	<0.1	20	27	<0.1	8.31
K3277	<0.1	40	29	<0.1	15.4
K3278	<0.1	11	14	<0.1	6.49
K3279	<0.1	14	17	<0.1	17.6
K3280	<0.1	15	18	<0.1	4.43
K3281	<0.1	15	18	<0.1	2.97
K3282	<0.1	7	17	<0.1	1.51
K3283	<0.1	20	35	<0.1	5.21
K3284	<0.1	15	20	<0.1	2.67
K3285	<0.1	18	29	<0.1	1.77
K3286	<0.1	46	27	<0.1	2.06
K3287	0.25	57	40	<0.1	3.21
K3288	<0.1	36	40	<0.1	0.90
K3289	<0.1	45	42	<0.1	5.02
K3290	0.22	30	43	<0.1	1.96
K3291	<0.1	33	42	<0.1	1.47
K3292	<0.1	32	41	<0.1	1.30
K3293	0.12	61	69	<0.1	1.06
K3294	<0.1	62	102	<0.1	1.96
K3295	<0.1	35	67	<0.1	3.03
K3296	<0.1	32	32	<0.1	1.47
K3297	<0.1	16	82	<0.1	1.63
K3298	<0.1	1	173	<0.1	4.10
K3299	<0.1	14	80	<0.1	8.09
K3300	<0.1	19	24	<0.1	5.19
K3301	<0.1	2	102	<0.1	13.4
K3302	<0.1	2	73	<0.1	5.20
K3303	<0.1	6	84	<0.1	13.9
K3304	<0.1	2	103	<0.1	10.5
K3305	<0.1	3	123	<0.1	10.1
K3306	<0.1	28	30	<0.1	0.54
K3307	<0.1	60	43	<0.1	5.34



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 066011

Date: 08/11/01

FINAL

Page 2 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3308	<0.1	8	15	<0.1	1.97
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	24.0	128	815	0.27	27.3
K3309	0.17	6	11	0.10	9.79
K3310	0.13	10	15	<0.1	6.46
K3311	<0.1	10	11	<0.1	7.13
K3312	0.10	9	12	<0.1	13.5
K3313	<0.1	10	19	<0.1	8.28
K3314	0.16	7	13	<0.1	7.53
K3315	0.13	5	11	<0.1	4.85
K3316	0.17	14	16	<0.1	7.25
K3317	0.13	29	44	<0.1	26.9
K3318	0.14	15	26	<0.1	6.22
K3319	0.14	21	20	<0.1	6.90
K3320	0.14	10	14	<0.1	5.81
K3321	0.12	18	23	<0.1	10.7
K3322	0.11	22	22	<0.1	12.1
K3323	<0.1	17	19	<0.1	6.03
K3324	<0.1	4	25	<0.1	7.75
K3325	<0.1	8	9	<0.1	13.0
K3326	<0.1	12	19	<0.1	27.1
K3327	<0.1	34	21	<0.1	8.16
K3328	0.18	3	116	<0.1	13.3
K3329	0.11	21	19	<0.1	3.53
K3330	<0.1	17	14	<0.1	0.42
K3331	<0.1	17	12	<0.1	0.28
K3332	<0.1	13	16	<0.1	0.64
K3333	<0.1	15	21	<0.1	2.11
K3334	<0.1	13	18	<0.1	1.04
K3335	<0.1	14	21	<0.1	0.41
K3336	<0.1	18	26	<0.1	1.11
K3337	<0.1	11	17	<0.1	0.73
K3338	<0.1	28	16	<0.1	0.69
K3339	0.11	16	23	<0.1	1.96
K3340	<0.1	22	21	<0.1	0.85
K3341	0.17	24	56	<0.1	3.65
K3342	0.10	13	18	<0.1	0.82
K3343	0.14	15	18	<0.1	0.78
K3344	<0.1	14	32	<0.1	2.19
K3345	0.11	22	29	<0.1	0.99
K3346	0.10	13	24	<0.1	2.22
K3347	<0.1	25	26	<0.1	1.30
K3348	0.12	26	30	<0.1	2.31
K3349	<0.1	23	28	<0.1	1.22
K3350	0.10	20	30	<0.1	3.28



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 066011

Date: 08/11/01

FINAL

Page 3 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3351	0.10	20	27	<0.1	3.02
K3352	0.10	24	21	<0.1	1.18
K3353	<0.1	15	21	<0.1	1.26
K3354	0.13	19	17	<0.1	3.16
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	25.5	139	851	0.20	28.0
K3355	0.12	9	17	0.10	0.88
K3356	<0.1	16	14	<0.1	0.60
K3357	0.11	10	16	<0.1	0.38
K3358	0.11	39	41	0.15	1.94
K3359	<0.1	29	49	0.16	2.11
K3360	<0.1	35	47	0.17	0.64
K3361	<0.1	18	52	<0.1	3.69
K3362	<0.1	11	37	<0.1	2.91
K3363	<0.1	55	70	0.15	5.23
K3364	<0.1	20	40	<0.1	2.57
K3365	<0.1	48	78	<0.1	4.32
K3366	<0.1	32	40	<0.1	1.15
K3367	<0.1	35	31	<0.1	1.71
K3368	0.12	10	27	<0.1	7.27
K3369	<0.1	5	20	<0.1	5.73
K3370	<0.1	8	39	<0.1	4.98
K3371	<0.1	2	22	<0.1	7.00
K3372	<0.1	<1	34	<0.1	8.97
K3373	0.13	4	109	<0.1	25.9
K3374	<0.1	3	43	0.10	4.69
K3375	<0.1	27	44	0.16	1.21
K3376	<0.1	13	18	<0.1	2.51
K3377	<0.1	14	15	<0.1	0.30
K3378	<0.1	8	15	<0.1	0.96
K3379	0.16	14	21	0.12	4.50
K3380	0.18	8	18	<0.1	3.51
K3381	<0.1	17	19	<0.1	1.36
K3382	<0.1	7	23	<0.1	1.84
K3383	<0.1	13	23	<0.1	1.52
K3384	0.13	18	24	0.14	2.28
K3385	0.13	8	18	<0.1	4.98
K3386	<0.1	1	18	<0.1	26.3
K3387	0.10	2	18	<0.1	19.8
K3388	0.23	1	14	<0.1	19.5
K3389	<0.1	3	17	<0.1	7.57
K3390	0.13	3	16	<0.1	9.85
*Dup K3263	<0.1	5	9	<0.1	6.13
*Dup K3275	<0.1	21	33	<0.1	6.09
*Dup K3287	0.27	41	34	<0.1	1.83



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Work Order: 066011

Date: 08/11/01

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Page 4 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K3299	<0.1	15	84	<0.1	9.31
*Dup K3311	0.11	11	16	<0.1	8.15
*Dup K3323	<0.1	14	16	<0.1	5.70
*Dup K3335	<0.1	12	17	<0.1	0.31
*Dup K3347	<0.1	21	25	<0.1	1.27
*Dup K3359	<0.1	24	42	<0.1	1.80
*Dup K3371	<0.1	2	26	<0.1	8.20
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	24.1	137	896	0.27	29.1
*Dup K3383	0.18	11	20	0.10	1.50
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	24.8	142	935	0.27	29.3



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
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CERTIFICATE OF ANALYSIS

Work Order: 066012

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

Date : 08/11/01

Copy 1 to : Adamson / Thomas
Klondike Source Ltd.

P.O. No. : BATCH #: 2001-4
Project No. : KLONDIKE
No. of Samples : 126 Soil
Date Submitted : 29/10/01
Report Comprises : Cover Sheet plus
Pages 1 to 4

Duplicate results are outside acceptance criteria due to sample inhomogeneity.

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
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Work Order: 066012

Date: 08/11/01

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Page 1 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3391	0.11	2	12	0.14	20.8
K3392	<0.1	7	7	<0.1	2.18
K3393	<0.1	2	6	<0.1	2.14
K3394	<0.1	5	9	<0.1	9.48
K3395	<0.1	3	8	<0.1	1.75
K3396	<0.1	<1	12	<0.1	1.54
K3397	<0.1	2	11	<0.1	1.79
K3398	<0.1	3	10	<0.1	3.50
K3399	<0.1	4	12	<0.1	2.35
K3400	0.13	6	11	<0.1	2.24
K3401	<0.1	20	14	<0.1	2.71
K3402	<0.1	73	22	<0.1	1.69
K3403	<0.1	23	17	<0.1	1.58
K3404	<0.1	8	11	<0.1	1.24
K3405	<0.1	12	13	<0.1	2.06
K3406	<0.1	5	10	<0.1	0.30
K3407	<0.1	12	11	0.35	1.14
K3408	<0.1	4	10	0.11	0.46
K3409	<0.1	15	12	0.16	2.67
K3410	<0.1	12	8	<0.1	5.44
K3411	<0.1	18	11	<0.1	40.3
K3412	<0.1	19	23	0.10	8.75
K3413	<0.1	2	26	<0.1	18.4
K3414	<0.1	9	18	<0.1	12.7
K3415	<0.1	11	6	<0.1	18.6
K3416	<0.1	7	8	<0.1	0.26
K3417	<0.1	7	12	<0.1	2.06
K3418	<0.1	4	9	<0.1	1.89
K3419	<0.1	5	10	<0.1	0.58
K3420	<0.1	10	12	<0.1	0.44
K3421	<0.1	7	13	<0.1	3.38
K3422	<0.1	13	12	<0.1	2.87
K3423	<0.1	11	13	0.27	5.65
K3424	<0.1	2	11	<0.1	6.25
K3425	<0.1	17	16	<0.1	4.46
K3426	<0.1	11	15	<0.1	6.67
K3427	<0.1	8	12	<0.1	5.20
K3428	<0.1	7	12	<0.1	2.44
K3429	<0.1	3	6	<0.1	0.89
K3430	<0.1	2	6	<0.1	15.4
K3431	<0.1	4	7	<0.1	0.30
K3432	<0.1	9	9	<0.1	0.39
K3433	<0.1	12	16	<0.1	2.21
K3434	<0.1	7	12	<0.1	2.75
K3435	<0.1	10	69	<0.1	4.15



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Work Order: 066012

Date: 08/11/01

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Page 2 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K3436	<0.1	19	40	<0.1	28.3
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	20.7	90	615	0.15	23.1
K3437	0.15	12	114	0.12	19.2
K3438	0.12	29	29	<0.1	4.06
K3439	<0.1	24	15	<0.1	0.73
K3440	<0.1	17	23	0.11	6.36
K3441	<0.1	11	13	<0.1	6.42
K3442	<0.1	15	11	<0.1	2.55
K3443	<0.1	6	11	<0.1	6.29
K3444	<0.1	50	17	0.11	8.66
K3445	<0.1	4	10	0.10	1.16
K3446	<0.1	2	34	0.14	25.0
K3447	<0.1	6	6	<0.1	4.80
K3448	<0.1	14	22	<0.1	5.91
K3449	<0.1	2	8	<0.1	2.13
K3450	<0.1	16	6	<0.1	0.78
K3451	<0.1	2	9	<0.1	20.3
K3452	<0.1	<1	11	<0.1	21.8
K3453	<0.1	7	8	0.17	3.84
K3454	<0.1	2	6	<0.1	2.60
K3455	<0.1	8	7	<0.1	7.38
K3456	<0.1	45	24	<0.1	2.37
K2315	<0.1	1	12	<0.1	2.12
K2316	0.13	70	96	0.15	5.13
K2317	0.10	72	118	<0.1	7.18
K2318	<0.1	<1	36	<0.1	10.1
K2319	<0.1	12	354	<0.1	3.05
K2320	<0.1	4	70	0.15	7.94
K2321	0.16	5	189	0.15	24.2
K2322	0.10	73	158	0.10	8.58
K2323	0.18	2	34	0.11	13.3
K2324	<0.1	33	228	0.12	0.89
K2325	<0.1	2	36	<0.1	14.5
K2326	0.11	6	17	0.10	9.97
K2327	0.12	6	16	0.16	4.85
K2328	<0.1	3	15	0.13	2.71
K2329	<0.1	7	10	<0.1	2.10
K2330	<0.1	5	10	<0.1	1.14
K2331	0.22	3	17	<0.1	70.9
K2332	<0.1	2	19	<0.1	7.27
K2333	<0.1	4	11	<0.1	13.1
K2334	<0.1	4	10	<0.1	3.59
K2335	<0.1	1	13	<0.1	22.0
K2336	<0.1	2	11	<0.1	4.96



XRAL Laboratories
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Work Order: 066012

Date: 08/11/01

FINAL

Page 3 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2337	<0.1	2	7	<0.1	3.94
K2338	<0.1	2	9	<0.1	3.03
K2339	<0.1	2	62	0.11	9.26
K2340	<0.1	2	8	<0.1	2.71
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	21.9	93	635	0.15	23.4
K2341	0.14	2	18	0.10	28.9
K2342	0.11	6	15	<0.1	3.99
K2343	<0.1	1	11	<0.1	3.54
K2344	0.23	4	26	<0.1	10.7
K2345	0.21	2	19	<0.1	146
K2346	<0.1	16	18	<0.1	2.67
K2347	<0.1	7	21	<0.1	2.71
K2348	<0.1	4	15	<0.1	9.41
K2349	<0.1	2	15	<0.1	40.1
K2350	<0.1	4	18	<0.1	35.0
K2351	<0.1	8	36	<0.1	40.5
K2352	<0.1	4	24	<0.1	44.0
K2353	<0.1	9	21	<0.1	31.0
K2354	<0.1	<1	26	<0.1	10.3
K2355	<0.1	3	28	<0.1	16.2
K2356	<0.1	2	10	<0.1	37.1
K2357	<0.1	12	17	<0.1	14.0
K2358	<0.1	1	10	<0.1	7.92
K2359	<0.1	6	17	<0.1	14.5
K2360	<0.1	<1	15	<0.1	12.2
K2361	<0.1	4	17	<0.1	21.2
K2362	0.10	4	17	<0.1	30.9
K2363	<0.1	4	21	<0.1	27.0
K2364	<0.1	2	27	<0.1	22.9
K2365	<0.1	2	14	<0.1	28.3
K2366	<0.1	9	22	<0.1	70.8
K2367	<0.1	4	59	<0.1	21.5
K2368	<0.1	5	24	<0.1	7.52
K2369	<0.1	3	13	<0.1	36.2
K2370	<0.1	3	11	<0.1	15.9
K2371	0.12	2	13	<0.1	33.3
K2372	<0.1	1	16	<0.1	16.6
K2373	<0.1	4	14	<0.1	36.6
K2374	<0.1	4	13	<0.1	65.2
*Dup K3391	0.13	2	14	<0.1	22.4
*Dup K3403	<0.1	22	18	<0.1	1.67
*Dup K3415	<0.1	13	7	<0.1	16.3
*Dup K3427	<0.1	9	14	<0.1	6.14
*Dup K3439	<0.1	19	18	<0.1	0.95



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Work Order: 066012

Date: 08/11/01

FINAL

Page 4 of 4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K3451	<0.1	2	12	<0.1	16.7
*Dup K2321	0.15	5	175	0.11	21.2
*Dup K2333	<0.1	4	13	<0.1	12.8
*Dup K2345	0.24	2	22	<0.1	138
*Dup K2357	<0.1	12	17	<0.1	10.3
*Dup K2369	<0.1	4	14	<0.1	41.0
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	20.9	86	603	0.15	25.3



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 066013

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

Date : 08/11/01

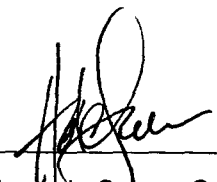
Copy 1 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 116 Soil(MMI)
Date Submitted : 29/10/01
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: STORE
Rejects: STORE

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

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



XRAL Laboratories
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Work Order: 066013

Date: 08/11/01

FINAL

Page 1 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2375	0.10	8	22	<0.1	20.2
K2376	0.10	2	27	<0.1	45.0
K2377	0.11	4	9	<0.1	25.5
K2378	<0.1	7	8	<0.1	7.37
K2379	<0.1	11	13	<0.1	7.74
K2380	0.44	2	15	<0.1	140
K2381	<0.1	5	8	<0.1	2.16
K2382	<0.1	5	11	<0.1	32.1
K2383	<0.1	6	12	<0.1	6.98
K2384	<0.1	31	32	<0.1	13.9
K2385	<0.1	6	11	<0.1	7.04
K2386	<0.1	6	15	<0.1	9.44
K2387	<0.1	5	18	<0.1	5.67
K2388	<0.1	6	14	<0.1	7.50
K2389	0.52	6	8	<0.1	84.6
K2390	<0.1	21	21	<0.1	1.85
K2391	<0.1	11	23	<0.1	6.91
K2392	<0.1	10	21	<0.1	4.15
K2393	<0.1	27	24	<0.1	24.4
K2394	<0.1	19	15	<0.1	36.5
K2395	<0.1	6	16	<0.1	10.1
K2396	<0.1	26	21	<0.1	15.4
K2397	<0.1	13	15	<0.1	8.95
K2398	<0.1	7	12	<0.1	18.5
K2399	<0.1	16	17	<0.1	34.6
K2400	<0.1	27	33	<0.1	3.70
K2401	0.11	5	101	<0.1	10.8
K2402	0.24	8	51	<0.1	17.6
K2403	0.79	190	437	0.10	48.0
K2404	0.37	67	36	<0.1	11.4
K2405	0.19	1	25	<0.1	18.2
K2406	1.45	18	110	<0.1	67.1
K2407	0.66	5	121	<0.1	23.3
K2408	0.29	4	58	<0.1	10.6
K2409	0.50	2	83	<0.1	13.3
K2410	0.57	<1	100	<0.1	17.0
K2411	0.14	7	52	<0.1	2.23
K2412	0.29	<1	79	<0.1	12.0
K2413	0.98	30	98	0.20	45.7
K2414	2.35	385	90	0.21	21.2
K2415	1.03	32	113	0.13	41.6
K2416	0.21	2	55	<0.1	76.9
K2417	0.23	1	100	<0.1	13.9
K2418	0.41	3	101	0.12	37.3
K2419	0.42	9	46	<0.1	18.2



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Work Order: 066013

Date: 08/11/01

FINAL

Page 2 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2420	<0.1	3	21	<0.1	7.95
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	<0.1	7	49	<0.1	4.68
K2421	0.15	6	14	0.20	1.22
K2422	0.11	38	31	0.11	2.74
K2424	0.13	8	99	<0.1	1.89
K2425	0.24	2	74	<0.1	5.45
K2426	2.77	179	112	<0.1	21.9
K2427	0.20	5	51	<0.1	2.62
K2428	<0.1	1	49	<0.1	5.28
K2429	0.15	16	158	<0.1	12.4
K2430	0.12	5	121	0.10	9.98
K2431	<0.1	<1	36	<0.1	7.75
K2432	0.43	3	129	0.16	64.7
K2433	0.42	32	64	0.12	55.6
K2434	<0.1	8	14	<0.1	7.70
K2435	0.27	41	99	<0.1	4.11
K2436	<0.1	13	20	<0.1	44.5
K2437	<0.1	15	22	<0.1	19.8
K2438	0.11	14	23	<0.1	11.8
K2439	<0.1	10	24	<0.1	18.9
K2440	<0.1	9	26	<0.1	20.7
K2441	<0.1	10	53	<0.1	11.0
K2442	0.11	29	42	<0.1	7.77
K2443	<0.1	32	48	<0.1	4.18
K2444	<0.1	96	45	<0.1	1.20
K2445	<0.1	74	90	<0.1	6.75
K2446	0.10	36	75	<0.1	9.23
K2447	<0.1	11	72	<0.1	0.95
K2448	<0.1	14	62	<0.1	7.02
K2449	<0.1	12	30	<0.1	19.8
K2450	<0.1	4	32	<0.1	19.8
K2451	<0.1	6	40	<0.1	126
K2452	<0.1	6	52	<0.1	16.3
K2453	<0.1	1	53	<0.1	28.2
K2454	<0.1	2	15	<0.1	29.5
K2455	<0.1	16	13	<0.1	34.0
K2456	<0.1	4	14	<0.1	52.4
K2457	<0.1	29	16	<0.1	13.3
K2458	<0.1	4	35	<0.1	35.2
K2459	<0.1	26	17	<0.1	11.0
K2460	<0.1	13	30	<0.1	20.8
K2461	<0.1	8	19	<0.1	6.05
K2462	<0.1	10	21	<0.1	3.75
K2463	<0.1	30	19	<0.1	4.85



XRAL Laboratories
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Work Order: 066013

Date: 08/11/01

FINAL

Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K2464	<0.1	25	21	<0.1	13.9
K2465	<0.1	35	40	<0.1	18.1
K2466	<0.1	8	16	<0.1	12.2
K2467	<0.1	12	37	<0.1	21.8
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std XRB1	<0.1	7	43	<0.1	4.10
K2468	0.13	6	21	<0.1	16.6
K2469	<0.1	42	12	<0.1	15.6
K2470	<0.1	3	42	<0.1	171
K2471	<0.1	11	76	<0.1	48.7
K2472	<0.1	22	27	<0.1	39.7
K2473	<0.1	23	14	<0.1	28.6
K2474	<0.1	10	14	0.11	23.9
K2475	<0.1	7	12	<0.1	15.9
K2476	0.30	13	49	<0.1	77.1
K2477	<0.1	3	76	0.10	7.36
K2478	<0.1	3	96	<0.1	3.99
K2479	<0.1	7	231	<0.1	7.05
K2480	<0.1	1	52	<0.1	0.71
K2481	0.33	31	668	0.11	14.9
K2482	<0.1	16	41	0.11	0.60
K2483	<0.1	8	17	0.14	7.00
K2484	<0.1	28	52	<0.1	19.2
K2485	<0.1	4	81	0.13	16.2
K2486	<0.1	23	25	<0.1	0.78
K2487	<0.1	14	25	0.12	23.6
K2488	<0.1	6	17	0.11	4.60
K2489	<0.1	9	9	<0.1	6.15
K2490	<0.1	7	11	<0.1	18.3
K2491	<0.1	1	63	<0.1	0.49
*Dup K2375	<0.1	8	26	<0.1	23.1
*Dup K2387	<0.1	5	21	<0.1	6.61
*Dup K2399	<0.1	17	15	<0.1	39.9
*Dup K2411	0.20	10	63	<0.1	2.60
*Dup K2424	0.16	9	98	<0.1	1.73
*Dup K2436	<0.1	15	22	<0.1	44.2
*Dup K2448	<0.1	13	63	0.10	5.83
*Dup K2460	<0.1	13	26	0.10	25.0
*Dup K2472	<0.1	24	27	<0.1	33.7
*Dup K2484	<0.1	24	45	<0.1	17.9
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM07	<0.1	8	47	<0.1	4.40

**ALS Chemex**

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

KSI EXPLORATION (AUSTRALIA) LIMITED
C/O ROBSEARCH AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY, NSW
2060, AUSTRALIA

INVOICE NUMBER**I 0 1 1 9 2 3 2****BILLING INFORMATION**

Date: 04-JUL-2001
Project: BATCH#2000/3
P.O. No.:
Account: SDQ

Comments: QUOTE# MAJ487SDQ.00R

Billing: For analysis performed on
Certificate A0119232

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
48	244 - Pulp; prev. prepared at Chemex - ME-ICP41	0.00 8.00		384.00
				Total Cost \$ 384.00
				Client Discount (15%) \$ -57.60
				Net Cost \$ 326.40
				(Reg# R100938885) GST \$ 22.85
				TOTAL PAYABLE (CDN) \$ 349.25

COPY



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PHONE: 604-984-0221 FAX: 604-984-0218

KSL EXPLORATION (YUKON) LIMITED
C/O BSEAS AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

A0119232

Comments: ATTN: ROBERT G. ADAMSON

CERTIFICATE

A0119232

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: BATCH#2000/3
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 04-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
244	48	Pulp; prev. prepared at Chemex
229	48	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ag-ICP41	48	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	48	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	48	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	48	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	48	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	48	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	48	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	48	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	48	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	48	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	48	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	48	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	48	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	48	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	48	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	48	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	48	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	48	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	48	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	48	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	48	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	48	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	48	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	48	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	48	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	48	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	48	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	48	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	48	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	48	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	48	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	48	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	48	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	48	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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10. NSL EXPLORATION (TUBUNG) LIMITED
C/O. BSEAL AUSTRALIA PTY. LTD.
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project : BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number : 1-A
Total Pages : 1
Certificate Date: 04-JUL-2001
Invoice No. : I0119232
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS

A0119232

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K0123	244 229	0.2	2.29	360	< 10	260	< 0.5	< 2	0.06	< 0.5	9	29	19	3.02	< 10	< 1	0.04	< 10	0.45	230
K0124	244 229	< 0.2	2.45	202	< 10	210	0.5	< 2	0.05	< 0.5	9	27	20	2.94	< 10	< 1	0.05	< 10	0.41	250
K0125	244 229	< 0.2	1.62	80	< 10	200	< 0.5	< 2	0.07	0.5	6	21	15	2.93	< 10	< 1	0.03	< 10	0.33	135
K0126	244 229	0.2	2.11	40	< 10	270	0.5	< 2	0.05	< 0.5	6	22	13	3.65	< 10	< 1	0.04	10	0.33	195
K0127	244 229	0.2	2.07	84	< 10	260	< 0.5	< 2	0.05	< 0.5	7	24	15	2.90	< 10	< 1	0.04	< 10	0.33	385
K0128	244 229	0.2	1.88	34	< 10	230	< 0.5	< 2	0.05	< 0.5	7	22	12	3.06	< 10	< 1	0.03	< 10	0.29	345
K0129	244 229	< 0.2	1.86	22	< 10	130	< 0.5	< 2	0.06	< 0.5	8	23	18	2.34	< 10	< 1	0.05	< 10	0.40	180
K0130	244 229	0.2	1.27	24	< 10	260	< 0.5	< 2	0.05	< 0.5	3	8	8	1.73	< 10	< 1	0.07	< 10	0.15	125
K0131	244 229	< 0.2	1.74	42	< 10	320	< 0.5	< 2	0.04	0.5	4	14	10	2.43	< 10	< 1	0.04	10	0.27	150
K0133	244 229	0.2	2.15	20	< 10	220	< 0.5	< 2	0.05	< 0.5	7	28	14	3.18	< 10	< 1	0.04	< 10	0.40	245
K0134	244 229	< 0.2	1.78	18	< 10	190	< 0.5	< 2	0.04	< 0.5	5	19	9	2.82	< 10	< 1	0.05	10	0.33	195
K0136	244 229	< 0.2	1.35	38	< 10	270	< 0.5	< 2	0.04	< 0.5	4	13	9	1.86	< 10	< 1	0.04	10	0.20	90
K0137	244 229	< 0.2	1.47	18	< 10	350	< 0.5	< 2	0.09	< 0.5	8	18	17	2.11	< 10	< 1	0.04	40	0.40	270
K0138	244 229	< 0.2	1.23	20	< 10	150	< 0.5	< 2	0.05	< 0.5	4	14	11	1.72	< 10	< 1	0.03	< 10	0.24	105
K0139	244 229	< 0.2	1.47	20	< 10	220	< 0.5	< 2	0.10	< 0.5	6	19	17	2.05	< 10	< 1	0.04	10	0.36	190
K0140	244 229	< 0.2	1.11	18	< 10	160	< 0.5	< 2	0.08	< 0.5	5	13	12	1.58	< 10	< 1	0.06	10	0.29	145
K0141	244 229	< 0.2	1.06	12	< 10	150	< 0.5	< 2	0.06	< 0.5	4	12	10	1.48	< 10	< 1	0.06	10	0.22	105
K0142	244 229	< 0.2	0.91	16	10	190	< 0.5	< 2	0.08	< 0.5	4	11	11	1.34	< 10	< 1	0.06	10	0.24	155
K0143	244 229	< 0.2	1.27	18	< 10	210	< 0.5	< 2	0.08	< 0.5	5	16	12	1.75	< 10	< 1	0.04	10	0.31	150
K0216	244 229	0.2	0.97	20	< 10	170	< 0.5	< 2	0.10	< 0.5	3	10	8	1.37	< 10	< 1	0.06	10	0.27	125
K0217	244 229	0.6	1.07	40	< 10	280	0.5	< 2	0.10	0.5	5	13	14	1.67	< 10	< 1	0.07	10	0.27	185
K0218	244 229	0.4	0.87	44	< 10	220	< 0.5	< 2	0.12	< 0.5	4	10	11	1.44	< 10	< 1	0.08	20	0.28	135
K0219	244 229	< 0.2	1.22	42	< 10	180	< 0.5	< 2	0.09	< 0.5	5	15	13	1.94	< 10	< 1	0.06	10	0.36	160
K0220	244 229	0.2	1.08	30	< 10	210	< 0.5	< 2	0.07	< 0.5	3	13	12	1.58	< 10	< 1	0.05	10	0.22	85
K0221	244 229	< 0.2	1.15	72	< 10	220	< 0.5	< 2	0.07	< 0.5	5	14	12	1.80	< 10	< 1	0.05	10	0.34	165
K0222	244 229	< 0.2	1.09	40	< 10	170	< 0.5	< 2	0.08	< 0.5	3	13	10	1.80	< 10	< 1	0.05	10	0.33	120
K0223	244 229	0.4	1.11	56	< 10	190	< 0.5	< 2	0.09	< 0.5	3	12	6	1.98	< 10	< 1	0.06	10	0.28	135
K0224	244 229	0.6	1.21	44	< 10	250	< 0.5	< 2	0.17	< 0.5	4	11	9	1.73	< 10	< 1	0.06	20	0.47	140
K0225	244 229	0.2	0.83	44	< 10	180	< 0.5	< 2	0.07	< 0.5	2	8	6	1.31	< 10	< 1	0.07	10	0.25	95
K0226	244 229	0.6	0.82	48	10	240	< 0.5	< 2	0.16	< 0.5	3	8	9	1.26	< 10	< 1	0.08	20	0.31	105
K0227	244 229	0.4	0.87	38	< 10	260	< 0.5	< 2	0.11	< 0.5	3	7	8	1.17	< 10	< 1	0.09	10	0.29	65
K0228	244 229	0.2	0.93	30	10	360	< 0.5	< 2	0.11	< 0.5	5	10	11	1.48	< 10	< 1	0.08	20	0.34	230
K0230	244 229	0.2	0.91	24	10	220	< 0.5	< 2	0.09	< 0.5	4	10	7	1.67	< 10	< 1	0.06	10	0.28	135
K0232	244 229	0.4	0.87	38	< 10	300	< 0.5	< 2	0.08	< 0.5	3	10	7	1.33	< 10	< 1	0.06	10	0.22	85
K0236	244 229	0.8	1.12	52	< 10	560	< 0.5	< 2	0.05	< 0.5	3	8	9	1.77	< 10	< 1	0.08	10	0.17	105
K0237	244 229	0.6	0.85	46	< 10	830	< 0.5	< 2	0.23	< 0.5	5	7	11	1.30	< 10	< 1	0.10	20	0.27	420
K0238	244 229	0.8	0.72	38	< 10	320	< 0.5	< 2	0.09	< 0.5	2	7	8	0.83	< 10	< 1	0.07	10	0.15	60
K0239	244 229	0.6	0.71	32	< 10	250	< 0.5	< 2	0.08	< 0.5	1	6	5	0.92	< 10	< 1	0.07	10	0.15	95
K0240	244 229	0.6	2.24	60	< 10	340	0.5	< 2	0.06	< 0.5	5	31	16	2.97	< 10	< 1	0.04	< 10	0.33	115
K0241	244 229	< 0.2	1.86	372	< 10	280	< 0.5	< 2	0.11	< 0.5	6	21	13	2.73	< 10	< 1	0.04	< 10	0.50	160

CERTIFICATION:



ALS
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

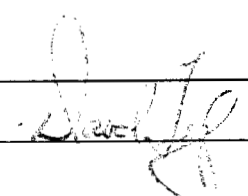
10. KSL EXPLORATION (TORONTO) LIMITED
C/O BSEAS AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project : BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number : 1-B
Certificate Date: 04-JUL-2001
Invoice No. : I0119232
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS A0119232

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K0123	244 229	< 1	< 0.01	21	180	14	0.01	< 2	2	10	0.04	< 10	< 10	57	< 10	56
K0124	244 229	< 1	< 0.01	22	230	22	< 0.01	< 2	2	8	0.04	< 10	< 10	53	< 10	60
K0125	244 229	< 1	< 0.01	14	190	20	< 0.01	< 2	1	9	0.04	< 10	< 10	53	< 10	36
K0126	244 229	1	< 0.01	13	360	14	0.01	< 2	1	8	0.04	< 10	< 10	69	< 10	52
K0127	244 229	< 1	< 0.01	14	310	14	0.01	< 2	1	7	0.04	< 10	< 10	61	< 10	46
K0128	244 229	< 1	< 0.01	11	340	14	< 0.01	< 2	1	7	0.04	< 10	< 10	66	< 10	46
K0129	244 229	< 1	< 0.01	18	230	10	< 0.01	< 2	2	8	0.04	< 10	< 10	40	< 10	42
K0130	244 229	< 1	< 0.01	6	260	14	< 0.01	< 2	1	6	0.01	< 10	< 10	31	< 10	26
K0131	244 229	< 1	< 0.01	7	200	14	< 0.01	< 2	1	6	0.02	< 10	< 10	45	< 10	32
K0133	244 229	< 1	< 0.01	17	220	12	< 0.01	2	3	8	0.05	< 10	< 10	59	< 10	54
K0134	244 229	< 1	< 0.01	10	210	14	< 0.01	2	1	6	0.03	< 10	< 10	48	< 10	44
K0136	244 229	< 1	< 0.01	8	150	16	< 0.01	< 2	1	6	0.01	< 10	< 10	31	< 10	28
K0137	244 229	< 1	< 0.01	14	160	16	< 0.01	< 2	3	11	0.03	< 10	< 10	36	< 10	40
K0138	244 229	< 1	< 0.01	8	270	14	< 0.01	< 2	1	6	0.02	< 10	< 10	32	< 10	26
K0139	244 229	< 1	< 0.01	15	360	14	< 0.01	< 2	3	10	0.03	< 10	< 10	36	< 10	40
K0140	244 229	< 1	< 0.01	10	270	18	< 0.01	< 2	1	9	0.03	< 10	< 10	25	< 10	32
K0141	244 229	< 1	< 0.01	8	290	14	< 0.01	< 2	< 1	7	0.02	< 10	< 10	25	< 10	28
K0142	244 229	< 1	< 0.01	8	360	18	< 0.01	< 2	< 1	10	0.01	< 10	< 10	22	< 10	30
K0143	244 229	< 1	< 0.01	11	330	14	< 0.01	< 2	1	9	0.03	< 10	< 10	33	< 10	34
K0216	244 229	< 1	< 0.01	7	400	22	0.01	< 2	1	11	0.01	< 10	< 10	23	< 10	38
K0217	244 229	< 1	< 0.01	9	430	36	0.01	< 2	1	11	0.01	< 10	< 10	26	< 10	44
K0218	244 229	< 1	< 0.01	7	370	22	< 0.01	< 2	1	14	0.01	< 10	< 10	20	< 10	38
K0219	244 229	< 1	< 0.01	11	280	28	< 0.01	< 2	1	10	0.03	< 10	< 10	30	< 10	42
K0220	244 229	< 1	< 0.01	8	290	14	0.01	< 2	< 1	10	0.02	< 10	< 10	28	< 10	28
K0221	244 229	< 1	< 0.01	10	230	18	< 0.01	< 2	1	8	0.02	< 10	< 10	30	< 10	38
K0222	244 229	< 1	< 0.01	8	270	16	< 0.01	< 2	1	8	0.02	< 10	< 10	30	< 10	36
K0223	244 229	< 1	< 0.01	6	290	16	< 0.01	2	1	9	0.02	< 10	< 10	31	< 10	36
K0224	244 229	< 1	< 0.01	8	370	20	< 0.01	< 2	2	17	0.01	< 10	< 10	21	< 10	46
K0225	244 229	< 1	< 0.01	6	340	14	0.01	2	1	9	0.01	< 10	< 10	18	< 10	36
K0226	244 229	< 1	< 0.01	6	320	24	< 0.01	< 2	1	16	0.01	< 10	< 10	16	< 10	42
K0227	244 229	< 1	< 0.01	6	350	32	0.01	< 2	1	11	0.01	< 10	< 10	13	< 10	40
K0228	244 229	< 1	< 0.01	8	480	30	0.01	< 2	1	15	0.01	< 10	< 10	19	< 10	44
K0230	244 229	< 1	< 0.01	7	450	26	< 0.01	< 2	1	9	0.01	< 10	< 10	27	< 10	38
K0232	244 229	< 1	< 0.01	6	420	28	0.01	< 2	1	9	0.01	< 10	< 10	20	< 10	32
K0236	244 229	< 1	< 0.01	5	260	24	< 0.01	< 2	1	8	0.01	< 10	< 10	28	< 10	34
K0237	244 229	< 1	< 0.01	6	420	42	0.01	< 2	1	27	< 0.01	< 10	< 10	15	< 10	48
K0238	244 229	< 1	< 0.01	5	370	30	0.02	2	< 1	11	< 0.01	< 10	< 10	10	< 10	34
K0239	244 229	< 1	< 0.01	3	440	26	0.01	< 2	< 1	10	< 0.01	< 10	< 10	11	< 10	34
K0240	244 229	< 1	< 0.01	13	180	12	< 0.01	2	3	8	0.04	< 10	< 10	63	< 10	44
K0241	244 229	< 1	< 0.01	16	230	10	0.01	2	1	13	0.02	< 10	< 10	41	< 10	50

CERTIFICATION: 



ALS
Aurora Laboratory Services Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

NSL EXPLORATION (YUKON) LIMITED
CANBERRA SEASIDE AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project : BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number : 2-A
Total Pages : 1
Certificate Date: 04-JUL-2001
Invoice No. : 10119232
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS

A0119232

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K0242	244 229	0.2	1.29	422	10	210	< 0.5	< 2	0.03	< 0.5	4	9	10	2.06	< 10	< 1	0.08	10	0.52	130
K0243	244 229	< 0.2	1.68	36	< 10	180	< 0.5	< 2	0.05	< 0.5	5	23	10	3.19	< 10	< 1	0.03	< 10	0.24	235
K0244	244 229	< 0.2	2.03	52	< 10	220	< 0.5	< 2	0.04	< 0.5	7	25	16	2.90	< 10	< 1	0.04	< 10	0.45	195
K0245	244 229	< 0.2	1.59	122	< 10	370	< 0.5	< 2	0.06	< 0.5	5	18	14	2.30	< 10	< 1	0.05	30	0.57	175
K0246	244 229	< 0.2	2.10	76	< 10	380	0.5	< 2	0.07	< 0.5	7	25	15	2.98	< 10	< 1	0.04	10	0.54	200
K0247	244 229	< 0.2	1.67	152	< 10	250	< 0.5	< 2	0.06	< 0.5	6	21	12	2.97	< 10	< 1	0.06	10	0.45	190
K0248	244 229	< 0.2	1.77	22	< 10	240	< 0.5	< 2	0.06	< 0.5	6	19	12	2.35	< 10	< 1	0.06	20	0.58	145
K0249	244 229	< 0.2	1.53	40	< 10	330	< 0.5	< 2	0.09	< 0.5	8	24	14	2.36	< 10	< 1	0.04	10	0.36	230

CERTIFICATION: _____



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10: KSL EXPLORATION (YUKON) LIMITED
C/O BSEAL AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 2-B
Pages: 12
Certificate Date: 04-JUL-2001
Invoice No.: I0119232
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS

A0119232

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K0242	244 229	< 1	< 0.01	13	170	14	0.01	< 2	1	8	0.02	< 10	< 10	18	< 10	42
K0243	244 229	< 1	< 0.01	8	410	14	< 0.01	< 2	1	7	0.05	< 10	< 10	78	< 10	36
K0244	244 229	< 1	< 0.01	18	190	12	< 0.01	< 2	1	7	0.04	< 10	< 10	50	< 10	46
K0245	244 229	< 1	< 0.01	12	130	18	< 0.01	< 2	2	9	0.01	< 10	< 10	33	< 10	46
K0246	244 229	< 1	< 0.01	17	170	18	< 0.01	< 2	3	10	0.03	< 10	< 10	50	< 10	46
K0247	244 229	< 1	< 0.01	13	260	18	< 0.01	< 2	1	9	0.03	< 10	< 10	45	< 10	42
K0248	244 229	< 1	< 0.01	13	150	12	< 0.01	< 2	3	10	0.03	< 10	< 10	37	< 10	44
K0249	244 229	< 1	< 0.01	16	160	14	< 0.01	< 2	3	11	0.04	< 10	< 10	48	< 10	36

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Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

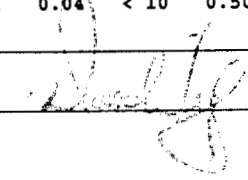
ROBERTSON (AUSTRALIA) LIMITED
C/- BSE AUSTRALIA PT LTD
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 111
Page: 12
Certificate Date: 04-JUL-2001
Invoice No.: I0119232
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119232

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K0123	244 229	0.2	2.29	360	< 10	260	< 0.5	< 2	0.06	< 0.5	9	29	19	3.02	< 10	< 1	0.04	< 10	0.45	230
K0124	244 229	< 0.2	2.45	202	< 10	210	0.5	< 2	0.05	< 0.5	9	27	20	2.94	< 10	< 1	0.05	< 10	0.41	250
K0125	244 229	< 0.2	1.62	80	< 10	200	< 0.5	< 2	0.07	0.5	6	21	15	2.93	< 10	< 1	0.03	< 10	0.33	135
K0126	244 229	0.2	2.11	40	< 10	270	0.5	< 2	0.05	< 0.5	6	22	13	3.65	< 10	< 1	0.04	10	0.33	195
K0127	244 229	0.2	2.07	84	< 10	260	< 0.5	< 2	0.05	< 0.5	7	24	15	2.90	< 10	< 1	0.04	< 10	0.33	385
K0128	244 229	0.2	1.88	34	< 10	230	< 0.5	< 2	0.05	< 0.5	7	22	12	3.06	< 10	< 1	0.03	< 10	0.29	345
K0129	244 229	< 0.2	1.86	22	< 10	130	< 0.5	< 2	0.06	< 0.5	8	23	18	2.34	< 10	< 1	0.05	< 10	0.40	180
K0130	244 229	0.2	1.27	24	< 10	260	< 0.5	< 2	0.05	< 0.5	3	8	8	1.73	< 10	< 1	0.07	< 10	0.15	125
K0131	244 229	< 0.2	1.74	42	< 10	320	< 0.5	< 2	0.04	0.5	4	14	10	2.43	< 10	< 1	0.04	10	0.27	150
K0133	244 229	0.2	2.15	20	< 10	220	< 0.5	< 2	0.05	< 0.5	7	28	14	3.18	< 10	< 1	0.04	< 10	0.40	245
K0134	244 229	< 0.2	1.78	18	< 10	190	< 0.5	< 2	0.04	< 0.5	5	19	9	2.82	< 10	< 1	0.05	10	0.33	195
K0136	244 229	< 0.2	1.35	38	< 10	270	< 0.5	< 2	0.04	< 0.5	4	13	9	1.86	< 10	< 1	0.04	10	0.20	90
K0137	244 229	< 0.2	1.47	18	< 10	350	< 0.5	< 2	0.09	< 0.5	8	18	17	2.11	< 10	< 1	0.04	40	0.40	270
K0138	244 229	< 0.2	1.23	20	< 10	150	< 0.5	< 2	0.05	< 0.5	4	14	11	1.72	< 10	< 1	0.03	< 10	0.24	105
K0139	244 229	< 0.2	1.47	20	< 10	220	< 0.5	< 2	0.10	< 0.5	6	19	17	2.05	< 10	< 1	0.04	10	0.36	190
K0140	244 229	< 0.2	1.11	18	< 10	160	< 0.5	< 2	0.08	< 0.5	5	13	12	1.58	< 10	< 1	0.06	10	0.29	145
K0141	244 229	< 0.2	1.06	12	< 10	150	< 0.5	< 2	0.06	< 0.5	4	12	10	1.48	< 10	< 1	0.06	10	0.22	105
K0142	244 229	< 0.2	0.91	16	10	190	< 0.5	< 2	0.08	< 0.5	4	11	11	1.34	< 10	< 1	0.06	10	0.24	155
K0143	244 229	< 0.2	1.27	18	< 10	210	< 0.5	< 2	0.08	< 0.5	5	16	12	1.75	< 10	< 1	0.04	10	0.31	150
K0216	244 229	0.2	0.97	20	< 10	170	< 0.5	< 2	0.10	< 0.5	3	10	8	1.37	< 10	< 1	0.06	10	0.27	125
K0217	244 229	0.6	1.07	40	< 10	280	0.5	< 2	0.10	0.5	5	13	14	1.67	< 10	< 1	0.07	10	0.27	185
K0218	244 229	0.4	0.87	44	< 10	220	< 0.5	< 2	0.12	< 0.5	4	10	11	1.44	< 10	< 1	0.08	20	0.28	135
K0219	244 229	< 0.2	1.22	42	< 10	180	< 0.5	< 2	0.09	< 0.5	5	15	13	1.94	< 10	< 1	0.06	10	0.36	160
K0220	244 229	0.2	1.08	30	< 10	210	< 0.5	< 2	0.07	< 0.5	3	13	12	1.58	< 10	< 1	0.05	10	0.22	85
K0221	244 229	< 0.2	1.15	72	< 10	220	< 0.5	< 2	0.07	< 0.5	5	14	12	1.80	< 10	< 1	0.05	10	0.34	165
K0222	244 229	< 0.2	1.09	40	< 10	170	< 0.5	< 2	0.08	< 0.5	3	13	10	1.80	< 10	< 1	0.05	10	0.33	120
K0223	244 229	0.4	1.11	56	< 10	190	< 0.5	< 2	0.09	< 0.5	3	12	6	1.98	< 10	< 1	0.06	10	0.28	135
K0224	244 229	0.6	1.21	44	< 10	250	< 0.5	< 2	0.17	< 0.5	4	11	9	1.73	< 10	< 1	0.06	20	0.47	140
K0225	244 229	0.2	0.83	44	< 10	180	< 0.5	< 2	0.07	< 0.5	2	8	6	1.31	< 10	< 1	0.07	10	0.25	95
K0226	244 229	0.6	0.82	48	10	240	< 0.5	< 2	0.16	< 0.5	3	8	9	1.26	< 10	< 1	0.08	20	0.31	105
K0227	244 229	0.4	0.87	38	< 10	260	< 0.5	< 2	0.11	< 0.5	3	7	8	1.17	< 10	< 1	0.09	10	0.29	65
K0228	244 229	0.2	0.93	30	10	360	< 0.5	< 2	0.11	< 0.5	5	10	11	1.48	< 10	< 1	0.08	20	0.34	230
K0230	244 229	0.2	0.91	24	10	220	< 0.5	< 2	0.09	< 0.5	4	10	7	1.67	< 10	< 1	0.06	10	0.28	135
K0232	244 229	0.4	0.87	38	< 10	300	< 0.5	< 2	0.08	< 0.5	3	10	7	1.33	< 10	< 1	0.06	10	0.22	85
K0236	244 229	0.8	1.12	52	< 10	560	< 0.5	< 2	0.05	< 0.5	3	8	9	1.77	< 10	< 1	0.08	10	0.17	105
K0237	244 229	0.6	0.85	46	< 10	830	< 0.5	< 2	0.23	< 0.5	5	7	11	1.30	< 10	< 1	0.10	20	0.27	420
K0238	244 229	0.8	0.72	38	< 10	320	< 0.5	< 2	0.09	< 0.5	2	7	8	0.83	< 10	< 1	0.07	10	0.15	60
K0239	244 229	0.6	0.71	32	< 10	250	< 0.5	< 2	0.08	< 0.5	1	6	5	0.92	< 10	< 1	0.07	10	0.15	95
K0240	244 229	0.6	2.24	60	< 10	340	0.5	< 2	0.06	< 0.5	5	31	16	2.97	< 10	< 1	0.04	< 10	0.33	115
K0241	244 229	< 0.2	1.86	372	< 10	280	< 0.5	< 2	0.11	< 0.5	6	21	13	2.73	< 10	< 1	0.04	< 10	0.50	160

CERTIFICATION: 



ALS
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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ROBERTSON (AUSTRALIA) LIMITED
C/- BSE, AUSTRALIA PT. JED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 1-B
Page: 2
Certificate Date: 04-JUL-2001
Invoice No.: 10119232
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119232

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K0123	244 229	< 1	< 0.01	21	180	14	0.01	< 2	2	10	0.04	< 10	< 10	57	< 10	56
K0124	244 229	< 1	< 0.01	22	230	22	< 0.01	< 2	2	8	0.04	< 10	< 10	53	< 10	60
K0125	244 229	< 1	< 0.01	14	190	20	< 0.01	< 2	1	9	0.04	< 10	< 10	53	< 10	36
K0126	244 229	< 1	< 0.01	13	360	14	0.01	< 2	1	8	0.04	< 10	< 10	69	< 10	52
K0127	244 229	< 1	< 0.01	14	310	14	0.01	< 2	1	7	0.04	< 10	< 10	61	< 10	46
K0128	244 229	< 1	< 0.01	11	340	14	< 0.01	< 2	1	7	0.04	< 10	< 10	66	< 10	46
K0129	244 229	< 1	< 0.01	18	230	10	< 0.01	< 2	2	8	0.04	< 10	< 10	40	< 10	42
K0130	244 229	< 1	< 0.01	6	260	14	< 0.01	< 2	1	6	0.01	< 10	< 10	31	< 10	26
K0131	244 229	< 1	< 0.01	7	200	14	< 0.01	< 2	1	6	0.02	< 10	< 10	45	< 10	32
K0133	244 229	< 1	< 0.01	17	220	12	< 0.01	2	3	8	0.05	< 10	< 10	59	< 10	54
K0134	244 229	< 1	< 0.01	10	210	14	< 0.01	2	1	6	0.03	< 10	< 10	48	< 10	44
K0136	244 229	< 1	< 0.01	8	150	16	< 0.01	< 2	1	6	0.01	< 10	< 10	31	< 10	28
K0137	244 229	< 1	< 0.01	14	160	16	< 0.01	< 2	3	11	0.03	< 10	< 10	36	< 10	40
K0138	244 229	< 1	< 0.01	8	270	14	< 0.01	< 2	1	6	0.02	< 10	< 10	32	< 10	26
K0139	244 229	< 1	< 0.01	15	360	14	< 0.01	< 2	3	10	0.03	< 10	< 10	36	< 10	40
K0140	244 229	< 1	< 0.01	10	270	18	< 0.01	< 2	1	9	0.03	< 10	< 10	25	< 10	32
K0141	244 229	< 1	< 0.01	8	290	14	< 0.01	< 2	< 1	7	0.02	< 10	< 10	25	< 10	28
K0142	244 229	< 1	< 0.01	8	360	18	< 0.01	< 2	< 1	10	0.01	< 10	< 10	22	< 10	30
K0143	244 229	< 1	< 0.01	11	330	14	< 0.01	< 2	1	9	0.03	< 10	< 10	33	< 10	34
K0216	244 229	< 1	< 0.01	7	400	22	0.01	< 2	1	11	0.01	< 10	< 10	23	< 10	38
K0217	244 229	< 1	< 0.01	9	430	36	0.01	< 2	1	11	0.01	< 10	< 10	26	< 10	44
K0218	244 229	< 1	< 0.01	7	370	22	< 0.01	< 2	1	14	0.01	< 10	< 10	20	< 10	38
K0219	244 229	< 1	< 0.01	11	280	28	< 0.01	< 2	1	10	0.03	< 10	< 10	30	< 10	42
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K0221	244 229	< 1	< 0.01	10	230	18	< 0.01	< 2	1	8	0.02	< 10	< 10	30	< 10	38
K0222	244 229	< 1	< 0.01	8	270	16	< 0.01	< 2	1	8	0.02	< 10	< 10	30	< 10	36
K0223	244 229	< 1	< 0.01	6	290	16	< 0.01	2	1	9	0.02	< 10	< 10	31	< 10	36
K0224	244 229	< 1	< 0.01	8	370	20	< 0.01	< 2	2	17	0.01	< 10	< 10	21	< 10	46
K0225	244 229	< 1	< 0.01	6	340	14	0.01	2	1	9	0.01	< 10	< 10	18	< 10	36
K0226	244 229	< 1	< 0.01	6	320	24	< 0.01	< 2	1	16	0.01	< 10	< 10	16	< 10	42
K0227	244 229	< 1	< 0.01	6	350	32	0.01	< 2	1	11	0.01	< 10	< 10	13	< 10	40
K0228	244 229	< 1	< 0.01	8	480	30	0.01	< 2	1	15	0.01	< 10	< 10	19	< 10	44
K0230	244 229	< 1	< 0.01	7	450	26	< 0.01	< 2	1	9	0.01	< 10	< 10	27	< 10	38
K0232	244 229	< 1	< 0.01	6	420	28	0.01	< 2	1	9	0.01	< 10	< 10	20	< 10	32
K0236	244 229	< 1	< 0.01	5	260	24	< 0.01	< 2	1	8	0.01	< 10	< 10	28	< 10	34
K0237	244 229	< 1	< 0.01	6	420	42	0.01	< 2	1	27	< 0.01	< 10	< 10	15	< 10	48
K0238	244 229	< 1	< 0.01	5	370	30	0.02	2	< 1	11	< 0.01	< 10	< 10	10	< 10	34
K0239	244 229	< 1	< 0.01	3	440	26	0.01	< 2	< 1	10	< 0.01	< 10	< 10	11	< 10	34
K0240	244 229	< 1	< 0.01	13	180	12	< 0.01	2	3	8	0.04	< 10	< 10	63	< 10	44
K0241	244 229	< 1	< 0.01	16	230	10	0.01	2	1	13	0.02	< 10	< 10	41	< 10	50

CERTIFICATION: _____



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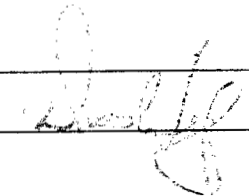
10: KSL EXPLORATION (YUKON) LIMITED
C/O BSE, AUS, A PT, LTD
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 12-A
Page: 12
Certificate Date: 04-JUL-2001
Invoice No.: I0119232
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Account: SDQ

CERTIFICATE OF ANALYSIS A0119232

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K0242	244 229	0.2	1.29	422	10	210	< 0.5	< 2	0.03	< 0.5	4	9	10	2.06	< 10	< 1	0.08	10	0.52	130
K0243	244 229	< 0.2	1.68	36	< 10	180	< 0.5	< 2	0.05	< 0.5	5	23	10	3.19	< 10	< 1	0.03	< 10	0.24	235
K0244	244 229	< 0.2	2.03	52	< 10	220	< 0.5	< 2	0.04	< 0.5	7	25	16	2.90	< 10	< 1	0.04	< 10	0.45	195
K0245	244 229	< 0.2	1.59	122	< 10	370	< 0.5	< 2	0.06	< 0.5	5	18	14	2.30	< 10	< 1	0.05	30	0.57	175
K0246	244 229	< 0.2	2.10	76	< 10	380	0.5	< 2	0.07	< 0.5	7	25	15	2.98	< 10	< 1	0.04	10	0.54	200
K0247	244 229	< 0.2	1.67	152	< 10	250	< 0.5	< 2	0.06	< 0.5	6	21	12	2.97	< 10	< 1	0.06	10	0.45	190
K0248	244 229	< 0.2	1.77	22	< 10	240	< 0.5	< 2	0.06	< 0.5	6	19	12	2.35	< 10	< 1	0.06	20	0.58	145
K0249	244 229	< 0.2	1.53	40	< 10	330	< 0.5	< 2	0.09	< 0.5	8	24	14	2.36	< 10	< 1	0.04	10	0.36	230

CERTIFICATION: 

RERUNS from A0023519



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ANALYTICAL CHEMISTS (AUSTRALIA) LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BATCH#2000/3
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 220
Page: 2
Certificate Date: 04-JUL-2001
Invoice No.: I0119232
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS

A0119232

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K0242	244	229	< 1	< 0.01	13	170	14	0.01	< 2	1	8	0.02	< 10	< 10	18	< 10	42
K0243	244	229	< 1	< 0.01	8	410	14	< 0.01	< 2	1	7	0.05	< 10	< 10	78	< 10	36
K0244	244	229	< 1	< 0.01	18	190	12	< 0.01	< 2	1	7	0.04	< 10	< 10	50	< 10	46
K0245	244	229	< 1	< 0.01	12	130	18	< 0.01	< 2	2	9	0.01	< 10	< 10	33	< 10	46
K0246	244	229	< 1	< 0.01	17	170	18	< 0.01	< 2	3	10	0.03	< 10	< 10	50	< 10	46
K0247	244	229	< 1	< 0.01	13	260	18	< 0.01	< 2	1	9	0.03	< 10	< 10	45	< 10	42
K0248	244	229	< 1	< 0.01	13	150	12	< 0.01	< 2	3	10	0.03	< 10	< 10	37	< 10	44
K0249	244	229	< 1	< 0.01	16	160	14	< 0.01	< 2	3	11	0.04	< 10	< 10	48	< 10	36

CERTIFICATION: _____



ALS CHEMEX
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

ALS CHEMEX PTY LTD
C/O BSE & I AUSTRALIA PTY LTD
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY, NSW
2060, AUSTRALIA

INVOICE NUMBER

I 0 1 1 9 2 3 3

BILLING INFORMATION

Date: 04-JUL-2001
Project: KLONDIKE
P.O. No.:
Account: SDQ

Comments:

Billing: For analysis performed on
Certificate A0119233

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
154	244 - Pulp; prev. prepared at Chemex - ME-ICP41	0.00 8.00		

Total Cost \$	1232.00
Client Discount (15%) \$	-184.80
Net Cost \$	1047.20
(Reg# R100938885) GST \$	73.30
TOTAL PAYABLE (CDN) \$	1120.50



ALS Chemex
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KSL EXPLORATION (YUKON) LIMITED
C/O 133 SEASIDE AUSTRIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

A0119233

Comments: ATTN: ROBERT G. ADAMSON

CERTIFICATE

A0119233

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: KLONDIKE
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 04-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
244	154	Pulp; prev. prepared at Chemex
229	154	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ag-ICP41	154	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	154	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	154	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	154	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	154	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	154	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	154	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	154	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	154	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	154	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	154	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	154	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	154	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	154	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	154	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	154	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	154	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	154	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	154	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	154	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	154	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	154	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	154	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	154	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	154	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	154	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	154	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	154	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	154	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	154	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	154	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	154	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	154	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	154	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



ALS
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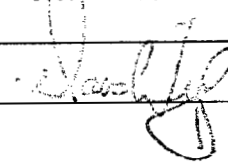
IN: KSL EXPLORATION (YUKON) LIMITED
C/O BSEAL AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 1-A
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0675	244 229	< 0.2	1.50	28	< 10	250	< 0.5	< 2	0.06	< 0.5	4	16	8	2.26	< 10	< 1	0.05	< 10	0.22	85
K- 0676	244 229	< 0.2	0.77	62	< 10	140	< 0.5	< 2	0.03	< 0.5	2	7	6	1.30	< 10	< 1	0.05	10	0.11	60
K- 0677	244 229	< 0.2	0.72	64	< 10	170	< 0.5	< 2	0.04	< 0.5	1	6	4	1.06	< 10	< 1	0.05	< 10	0.08	40
K- 0678	244 229	< 0.2	1.09	84	< 10	280	< 0.5	< 2	0.06	< 0.5	4	10	7	2.49	< 10	< 1	0.05	10	0.15	85
K- 0679	244 229	< 0.2	1.45	36	< 10	290	< 0.5	< 2	0.09	< 0.5	7	21	10	3.05	< 10	< 1	0.04	10	0.32	175
K- 0680	244 229	< 0.2	0.70	184	< 10	110	< 0.5	< 2	0.01	< 0.5	3	5	6	1.76	< 10	< 1	0.07	20	0.19	85
K- 0681	244 229	< 0.2	1.23	118	< 10	160	< 0.5	< 2	0.08	< 0.5	5	16	12	1.99	< 10	< 1	0.04	30	0.31	145
K- 0682	244 229	< 0.2	0.97	104	< 10	180	< 0.5	< 2	0.05	< 0.5	3	8	7	1.50	< 10	< 1	0.05	30	0.19	70
K- 0683	244 229	< 0.2	0.87	126	< 10	190	< 0.5	< 2	0.11	< 0.5	4	9	9	1.54	< 10	< 1	0.07	30	0.24	110
K- 0684	244 229	< 0.2	0.90	122	< 10	180	< 0.5	< 2	0.04	< 0.5	3	7	7	1.51	< 10	< 1	0.08	30	0.17	75
K- 0685	244 229	< 0.2	1.03	124	< 10	140	< 0.5	< 2	0.04	< 0.5	3	12	9	1.89	< 10	< 1	0.05	10	0.16	100
K- 0686	244 229	< 0.2	1.21	226	< 10	180	0.5	< 2	0.07	< 0.5	5	18	14	1.88	< 10	< 1	0.05	50	0.27	165
K- 0687	244 229	< 0.2	0.73	510	< 10	160	< 0.5	< 2	0.06	< 0.5	3	9	9	1.62	< 10	< 1	0.09	20	0.14	110
K- 0688	244 229	< 0.2	0.89	282	< 10	380	0.5	< 2	0.32	< 0.5	4	10	11	1.11	< 10	< 1	0.08	50	0.17	135
K- 0689	244 229	< 0.2	0.79	296	< 10	280	0.5	< 2	0.30	< 0.5	4	9	8	1.42	< 10	< 1	0.07	30	0.17	150
K- 0690	244 229	0.2	1.01	172	< 10	350	< 0.5	< 2	0.34	< 0.5	5	12	9	1.49	< 10	< 1	0.06	30	0.25	135
K- 0692	244 229	0.2	1.19	116	< 10	360	0.5	< 2	0.23	< 0.5	5	16	20	1.77	< 10	< 1	0.04	30	0.24	110
K- 0693	244 229	0.2	1.29	46	< 10	390	0.5	< 2	0.18	< 0.5	5	18	24	1.67	< 10	< 1	0.04	30	0.28	80
K- 0694	244 229	0.2	1.01	50	< 10	140	< 0.5	< 2	0.13	< 0.5	4	15	17	1.53	< 10	< 1	0.04	10	0.25	155
K- 0695	244 229	0.2	1.21	42	< 10	290	< 0.5	< 2	0.17	< 0.5	4	18	27	1.80	< 10	< 1	0.03	20	0.31	105
K- 0696	244 229	0.2	1.17	38	< 10	200	< 0.5	< 2	0.18	< 0.5	4	18	23	1.70	< 10	< 1	0.03	10	0.33	110
K- 0697	244 229	0.2	1.21	50	< 10	130	< 0.5	< 2	0.14	< 0.5	4	17	19	1.83	< 10	< 1	0.03	10	0.29	120
K- 0698	244 229	0.2	1.22	66	< 10	260	0.5	< 2	0.17	< 0.5	5	17	26	1.74	< 10	< 1	0.04	20	0.29	155
K- 0699	244 229	0.2	1.41	68	< 10	270	0.5	< 2	0.18	< 0.5	4	19	23	1.98	< 10	< 1	0.04	20	0.30	105
K- 0700	244 229	< 0.2	1.22	48	< 10	180	< 0.5	< 2	0.16	< 0.5	4	18	19	1.74	< 10	< 1	0.04	10	0.33	90
K- 0701	244 229	< 0.2	1.27	58	< 10	180	0.5	< 2	0.11	< 0.5	3	21	18	1.85	< 10	< 1	0.04	10	0.25	100
K- 0702	244 229	0.2	1.39	86	< 10	280	0.5	< 2	0.17	< 0.5	6	30	26	1.97	< 10	< 1	0.04	20	0.40	185
K- 0703	244 229	< 0.2	1.00	46	< 10	150	< 0.5	< 2	0.17	< 0.5	5	21	13	1.71	< 10	< 1	0.04	10	0.33	165
K- 0704	244 229	< 0.2	1.28	126	< 10	190	< 0.5	< 2	0.17	< 0.5	11	44	22	2.03	< 10	< 1	0.03	10	0.58	365
K- 0705	244 229	0.4	1.61	126	< 10	190	< 0.5	< 2	0.23	< 0.5	15	66	29	2.61	< 10	< 1	0.03	10	0.91	555
K- 0706	244 229	0.8	1.78	158	< 10	150	< 0.5	2	0.20	< 0.5	15	88	25	2.58	< 10	< 1	0.03	10	0.92	430
K- 0751	244 229	< 0.2	1.00	6	< 10	110	< 0.5	< 2	0.05	< 0.5	3	16	10	1.38	< 10	< 1	0.04	20	0.24	90
K- 0752	244 229	< 0.2	0.88	4	< 10	170	< 0.5	< 2	0.04	< 0.5	2	11	6	0.99	< 10	< 1	0.05	20	0.17	55
K- 0753	244 229	< 0.2	0.69	6	< 10	180	< 0.5	< 2	0.05	< 0.5	2	8	6	1.08	< 10	< 1	0.08	20	0.12	70
K- 0754	244 229	< 0.2	1.06	12	< 10	240	< 0.5	2	0.07	< 0.5	4	14	8	1.51	< 10	< 1	0.05	20	0.22	115
K- 0755	244 229	< 0.2	0.85	6	< 10	130	< 0.5	< 2	0.07	< 0.5	3	12	8	1.40	< 10	< 1	0.08	30	0.26	95
K- 0756	244 229	< 0.2	0.94	6	< 10	180	< 0.5	< 2	0.05	< 0.5	4	7	8	1.46	< 10	< 1	0.06	40	0.26	140
K- 0757	244 229	< 0.2	1.25	8	< 10	170	< 0.5	< 2	0.07	< 0.5	4	18	13	1.72	< 10	< 1	0.05	10	0.27	90
K- 0758	244 229	0.2	2.29	14	< 10	270	0.5	2	0.11	< 0.5	6	31	14	3.16	< 10	< 1	0.04	< 10	0.39	240
K- 0759	244 229	< 0.2	0.96	6	< 10	160	< 0.5	< 2	0.09	< 0.5	4	16	10	1.81	< 10	< 1	0.07	20	0.28	145

CERTIFICATION: 



ALS
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British Columbia, Canada V7J 2C1
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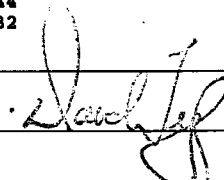
10 KSL EXPLORATION (YUKON) LIMITED
C/O BSEAL AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 1-B
Pages: 1
Certificate Date: 04-JUL-2001
Invoice No.: 10119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K- 0675	244	229	< 1	< 0.01	9	170	18	< 0.01	< 2	1	7	0.02	< 10	< 10	41	< 10	24
K- 0676	244	229	< 1	< 0.01	5	90	18	< 0.01	< 2	1	5	0.01	< 10	< 10	21	< 10	14
K- 0677	244	229	< 1	< 0.01	3	80	14	< 0.01	< 2	< 1	5	0.01	< 10	< 10	21	< 10	10
K- 0678	244	229	< 1	< 0.01	5	200	28	< 0.01	< 2	1	6	0.01	< 10	< 10	35	< 10	22
K- 0679	244	229	< 1	< 0.01	13	300	20	< 0.01	< 2	1	11	0.03	< 10	< 10	46	< 10	36
K- 0680	244	229	< 1	< 0.01	4	370	20	0.01	< 2	< 1	7	< 0.01	< 10	< 10	16	< 10	38
K- 0681	244	229	< 1	< 0.01	12	270	18	< 0.01	< 2	1	8	0.01	< 10	< 10	28	< 10	36
K- 0682	244	229	< 1	< 0.01	5	160	18	< 0.01	< 2	1	8	0.01	< 10	< 10	21	< 10	26
K- 0683	244	229	< 1	< 0.01	7	350	18	< 0.01	< 2	1	10	0.01	< 10	< 10	18	< 10	32
K- 0684	244	229	< 1	< 0.01	5	170	20	< 0.01	< 2	1	5	0.01	< 10	< 10	17	< 10	24
K- 0685	244	229	1	< 0.01	13	110	26	< 0.01	< 2	1	6	0.01	< 10	< 10	30	< 10	30
K- 0686	244	229	< 1	< 0.01	12	160	30	< 0.01	< 2	2	7	0.02	< 10	< 10	31	< 10	36
K- 0687	244	229	1	< 0.01	8	290	26	0.01	< 2	1	8	0.01	< 10	< 10	20	< 10	48
K- 0688	244	229	< 1	< 0.01	8	330	28	0.01	< 2	2	31	< 0.01	< 10	< 10	15	< 10	50
K- 0689	244	229	1	< 0.01	7	250	24	0.01	< 2	1	28	< 0.01	< 10	< 10	18	< 10	46
K- 0690	244	229	< 1	< 0.01	9	320	26	0.01	< 2	2	32	0.01	< 10	< 10	24	< 10	56
K- 0692	244	229	< 1	< 0.01	11	320	44	0.02	< 2	3	23	0.01	< 10	< 10	30	< 10	54
K- 0693	244	229	< 1	< 0.01	13	260	46	0.01	< 2	3	18	0.02	< 10	< 10	34	< 10	54
K- 0694	244	229	1	< 0.01	8	340	36	0.01	< 2	1	13	0.03	< 10	< 10	31	< 10	52
K- 0695	244	229	1	< 0.01	11	380	50	0.01	< 2	3	16	0.03	< 10	< 10	32	< 10	62
K- 0696	244	229	1	< 0.01	11	400	32	< 0.01	< 2	2	15	0.03	< 10	< 10	31	< 10	60
K- 0697	244	229	1	< 0.01	9	390	36	0.01	< 2	1	12	0.03	< 10	< 10	32	< 10	48
K- 0698	244	229	1	< 0.01	12	380	38	0.01	< 2	2	16	0.03	< 10	< 10	31	< 10	56
K- 0699	244	229	< 1	< 0.01	11	490	34	0.01	< 2	2	16	0.03	< 10	< 10	31	< 10	52
K- 0700	244	229	1	< 0.01	11	480	22	0.01	< 2	1	13	0.03	< 10	< 10	32	< 10	50
K- 0701	244	229	1	< 0.01	10	430	26	0.02	< 2	< 1	12	0.01	< 10	< 10	29	< 10	38
K- 0702	244	229	1	< 0.01	19	390	30	< 0.01	< 2	3	15	0.03	< 10	< 10	31	< 10	56
K- 0703	244	229	1	< 0.01	13	500	16	< 0.01	< 2	1	13	0.03	< 10	< 10	31	< 10	56
K- 0704	244	229	2	< 0.01	33	470	14	0.01	< 2	1	15	0.02	< 10	< 10	35	< 10	102
K- 0705	244	229	3	< 0.01	47	630	16	< 0.01	< 2	3	17	0.03	< 10	< 10	49	< 10	122
K- 0706	244	229	3	< 0.01	73	520	16	0.01	< 2	3	16	0.02	< 10	< 10	50	< 10	102
K- 0751	244	229	< 1	< 0.01	9	90	16	< 0.01	< 2	2	6	0.03	< 10	< 10	26	< 10	20
K- 0752	244	229	1	< 0.01	6	90	16	< 0.01	< 2	1	7	0.02	< 10	< 10	19	< 10	14
K- 0753	244	229	< 1	< 0.01	5	110	14	< 0.01	< 2	1	8	0.01	< 10	< 10	14	< 10	12
K- 0754	244	229	1	< 0.01	8	100	14	< 0.01	< 2	2	7	0.02	< 10	< 10	25	< 10	20
K- 0755	244	229	1	< 0.01	7	150	18	< 0.01	< 2	1	8	0.04	< 10	< 10	19	< 10	22
K- 0756	244	229	< 1	< 0.01	6	100	26	< 0.01	< 2	2	5	0.01	< 10	< 10	12	< 10	20
K- 0757	244	229	1	< 0.01	11	100	20	< 0.01	< 2	2	6	0.02	< 10	< 10	29	< 10	32
K- 0758	244	229	3	< 0.01	18	230	16	< 0.01	< 2	2	9	0.04	< 10	< 10	60	< 10	44
K- 0759	244	229	< 1	< 0.01	11	180	20	< 0.01	< 2	1	9	0.04	< 10	< 10	28	< 10	32

CERTIFICATION: 



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10: KSL EXPLORATION (YUKON) LIMITED
C/O BSEAR AUSTRALIA PTY LIMITED
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Project: KLONDIKE
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Page Number: 2-A
Total Pages: 2
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0760	244 229	< 0.2	1.30	8	< 10	180	< 0.5	< 2	0.10	< 0.5	6	21	15	2.17	< 10	< 1	0.06	10	0.35	180
K- 0761	244 229	< 0.2	0.99	8	< 10	130	< 0.5	< 2	0.04	< 0.5	3	10	7	1.58	< 10	< 1	0.09	10	0.18	75
K- 0762	244 229	< 0.2	1.06	10	< 10	140	< 0.5	< 2	0.06	< 0.5	3	13	5	1.90	< 10	< 1	0.05	< 10	0.15	90
K- 0763	244 229	< 0.2	1.90	12	< 10	240	0.5	2	0.09	< 0.5	9	28	12	2.80	< 10	< 1	0.06	10	0.39	315
K- 0764	244 229	< 0.2	1.87	14	< 10	270	0.5	< 2	0.12	< 0.5	6	26	13	3.09	< 10	< 1	0.05	10	0.37	180
K- 0765	244 229	< 0.2	1.38	10	< 10	150	< 0.5	< 2	0.08	< 0.5	5	20	10	2.21	< 10	< 1	0.05	< 10	0.27	165
K- 0766	244 229	< 0.2	1.36	12	< 10	160	< 0.5	< 2	0.10	< 0.5	6	20	8	2.69	< 10	1	0.07	< 10	0.27	230
K- 0767	244 229	< 0.2	1.01	8	< 10	150	< 0.5	< 2	0.08	< 0.5	3	14	9	1.85	< 10	< 1	0.05	10	0.22	135
K- 0768	244 229	< 0.2	1.03	6	< 10	160	< 0.5	< 2	0.10	< 0.5	5	17	11	1.85	< 10	< 1	0.05	10	0.26	190
K- 0769	244 229	< 0.2	1.13	10	< 10	230	< 0.5	< 2	0.14	< 0.5	6	21	15	1.89	< 10	< 1	0.04	10	0.34	170
K- 0770	244 229	< 0.2	1.07	6	< 10	380	< 0.5	< 2	0.17	< 0.5	5	19	16	1.76	< 10	< 1	0.04	10	0.33	150
K- 0771	244 229	< 0.2	0.78	2	< 10	180	< 0.5	< 2	0.13	< 0.5	3	13	9	1.41	< 10	< 1	0.07	20	0.21	180
K- 0772	244 229	< 0.2	0.87	6	< 10	170	< 0.5	< 2	0.12	< 0.5	4	14	10	1.46	< 10	< 1	0.06	10	0.23	150
K- 0773	244 229	< 0.2	0.96	6	< 10	290	< 0.5	< 2	0.25	< 0.5	4	19	17	1.74	< 10	< 1	0.06	10	0.32	145
K- 0774	244 229	< 0.2	1.13	10	< 10	320	< 0.5	< 2	0.28	< 0.5	6	23	19	2.09	< 10	1	0.03	10	0.37	180
K- 0775	244 229	< 0.2	1.24	8	< 10	240	< 0.5	< 2	0.20	< 0.5	5	23	16	1.98	< 10	< 1	0.03	10	0.36	135
K- 0776	244 229	< 0.2	1.04	8	< 10	230	< 0.5	< 2	0.22	< 0.5	5	21	14	1.88	< 10	1	0.03	10	0.35	160
K- 0777	244 229	< 0.2	1.51	6	< 10	290	< 0.5	< 2	0.23	< 0.5	6	25	14	2.26	< 10	< 1	0.03	10	0.41	150
K- 0778	244 229	< 0.2	1.46	8	< 10	200	< 0.5	2	0.19	< 0.5	5	23	16	2.10	< 10	< 1	0.03	10	0.39	115
K- 0779	244 229	< 0.2	1.14	8	< 10	190	< 0.5	< 2	0.17	< 0.5	4	17	10	1.65	< 10	< 1	0.03	10	0.34	125
K- 0780	244 229	< 0.2	1.20	8	< 10	140	< 0.5	< 2	0.09	< 0.5	3	14	7	1.72	< 10	< 1	0.04	< 10	0.28	95
K- 0781	244 229	< 0.2	1.56	40	< 10	220	0.5	< 2	0.13	< 0.5	5	21	13	3.08	< 10	< 1	0.04	< 10	0.24	245
K- 0782	244 229	< 0.2	1.84	24	< 10	230	0.5	< 2	0.10	< 0.5	6	26	13	3.26	< 10	< 1	0.05	< 10	0.28	165
K- 0783	244 229	< 0.2	1.60	18	< 10	190	< 0.5	< 2	0.12	< 0.5	7	25	15	2.51	< 10	< 1	0.05	< 10	0.35	205
K- 0784	244 229	< 0.2	0.94	46	< 10	160	< 0.5	4	0.10	< 0.5	7	15	9	2.01	< 10	< 1	0.07	< 10	0.20	335
K- 0785	244 229	< 0.2	1.54	18	< 10	200	< 0.5	< 2	0.11	< 0.5	5	23	8	2.64	< 10	< 1	0.04	< 10	0.29	155
K- 0786	244 229	< 0.2	1.91	22	< 10	230	0.5	< 2	0.10	< 0.5	10	31	17	3.31	< 10	1	0.05	< 10	0.41	230
K- 0787	244 229	< 0.2	1.25	28	< 10	250	< 0.5	< 2	0.13	< 0.5	4	17	8	2.23	< 10	< 1	0.05	10	0.35	255
K- 0788	244 229	< 0.2	0.85	10	< 10	290	< 0.5	< 2	0.10	< 0.5	3	10	6	1.43	< 10	< 1	0.08	10	0.15	110
K- 0789	244 229	< 0.2	0.81	14	< 10	240	< 0.5	2	0.11	< 0.5	4	12	10	1.62	< 10	< 1	0.10	10	0.16	150
K- 0790	244 229	< 0.2	1.34	14	< 10	280	0.5	< 2	0.12	< 0.5	4	16	10	2.00	< 10	< 1	0.04	10	0.22	110
K- 0791	244 229	< 0.2	1.09	20	< 10	240	< 0.5	< 2	0.11	< 0.5	4	14	10	2.29	< 10	< 1	0.06	< 10	0.19	130
K- 0792	244 229	< 0.2	1.32	12	< 10	230	< 0.5	4	0.22	< 0.5	5	20	16	2.30	< 10	< 1	0.04	10	0.47	170
K- 0793	244 229	< 0.2	1.78	12	< 10	380	0.5	2	0.37	< 0.5	9	17	11	3.41	< 10	< 1	0.05	10	0.49	280
K- 0794	244 229	< 0.2	1.06	6	< 10	210	< 0.5	< 2	0.15	< 0.5	5	19	15	1.85	< 10	< 1	0.05	10	0.31	170
K- 0795	244 229	< 0.2	1.28	6	< 10	140	< 0.5	< 2	0.10	< 0.5	4	21	14	1.94	< 10	< 1	0.04	10	0.35	135
K- 0796	244 229	< 0.2	1.12	6	< 10	210	< 0.5	< 2	0.15	< 0.5	4	18	14	1.73	< 10	< 1	0.06	10	0.29	120
K- 0797	244 229	< 0.2	1.30	4	< 10	190	< 0.5	2	0.16	< 0.5	4	20	14	1.79	< 10	< 1	0.04	10	0.33	115
K- 0798	244 229	< 0.2	1.36	6	< 10	180	< 0.5	< 2	0.13	< 0.5	4	19	13	1.74	< 10	< 1	0.05	10	0.29	100
K- 0799	244 229	< 0.2	1.03	6	< 10	160	< 0.5	< 2	0.14	< 0.5	3	16	10	1.37	< 10	1	0.05	10	0.25	105

CERTIFICATION: _____



ALSCHEM
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Analytical Chemists * Geochemists * Registered Assayers
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NSI EXPLORATION (YUKON) LIMITED
C/O BSEAL INDUSTRIES PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 2B
Total Pages: 11
Certificate Date: 04-JUL-2001
Invoice No.: 10119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K- 0760	244 229	< 1 < 0.01		15	100	12 < 0.01		4	2	8	0.04	< 10	< 10	35	< 10	40
K- 0761	244 229	< 1 < 0.01		6	120	14 < 0.01	< 2	1	4	4	0.02	< 10	< 10	22	< 10	18
K- 0762	244 229	< 1 < 0.01		6	160	12 < 0.01	< 2	1	5	5	0.03	< 10	< 10	41	< 10	18
K- 0763	244 229	1 < 0.01		17	180	24 < 0.01	< 2	3	8	8	0.04	< 10	< 10	42	< 10	44
K- 0764	244 229	1 < 0.01		15	210	20 < 0.01		4	2	11	0.04	< 10	< 10	50	< 10	44
K- 0765	244 229	1 < 0.01		11	180	16 < 0.01	< 2	1	7	7	0.03	< 10	< 10	38	< 10	30
K- 0766	244 229	1 < 0.01		11	340	22 < 0.01		2	1	8	0.03	< 10	< 10	37	< 10	36
K- 0767	244 229	1 < 0.01		9	260	18 < 0.01	< 2	< 1	8	8	0.03	< 10	< 10	31	< 10	32
K- 0768	244 229	1 < 0.01		10	240	14 < 0.01	< 2	1	9	9	0.04	< 10	< 10	32	< 10	34
K- 0769	244 229	1 < 0.01		13	400	12 < 0.01		2	3	12	0.04	< 10	< 10	32	< 10	40
K- 0770	244 229	< 1 < 0.01		14	370	12 < 0.01	< 2	3	15	15	0.03	< 10	< 10	30	< 10	36
K- 0771	244 229	< 1 < 0.01		8	320	16 < 0.01	< 2	1	12	12	0.03	< 10	< 10	22	< 10	30
K- 0772	244 229	< 1 < 0.01		8	330	18 < 0.01	< 2	1	11	11	0.04	< 10	< 10	25	< 10	28
K- 0773	244 229	1 < 0.01		14	470	16 < 0.01	< 2	3	20	20	0.06	< 10	< 10	33	< 10	46
K- 0774	244 229	1 < 0.01		16	530	12 < 0.01		4	3	21	0.05	< 10	< 10	35	< 10	54
K- 0775	244 229	1 < 0.01		14	510	10 < 0.01	< 2	3	15	15	0.04	< 10	< 10	35	< 10	50
K- 0776	244 229	1 < 0.01		14	530	8 < 0.01	< 2	3	16	16	0.05	< 10	< 10	34	< 10	44
K- 0777	244 229	1 < 0.01		17	540	10 < 0.01		4	3	16	0.04	< 10	< 10	42	< 10	50
K- 0778	244 229	1 < 0.01		14	350	8 < 0.01	< 2	3	15	15	0.05	< 10	< 10	38	< 10	40
K- 0779	244 229	< 1 < 0.01		9	320	12 < 0.01		2	3	13	0.04	< 10	< 10	30	< 10	34
K- 0780	244 229	< 1 < 0.01		7	220	8 < 0.01	< 2	1	8	8	0.03	< 10	< 10	33	< 10	26
K- 0781	244 229	1 < 0.01		13	290	10 < 0.01		4	4	9	0.01	< 10	< 10	42	< 10	32
K- 0782	244 229	2 < 0.01		13	250	14 < 0.01	< 2	4	8	8	0.02	< 10	< 10	46	< 10	38
K- 0783	244 229	< 1 < 0.01		17	220	14 < 0.01		6	2	11	0.03	< 10	< 10	42	< 10	42
K- 0784	244 229	1 < 0.01		13	370	42 < 0.01	< 2	< 1	11	11	0.03	< 10	< 10	30	< 10	44
K- 0785	244 229	1 < 0.01		11	210	18 < 0.01	< 2	1	9	9	0.04	< 10	< 10	48	< 10	34
K- 0786	244 229	2 < 0.01		21	210	16 < 0.01	< 2	3	9	9	0.05	< 10	< 10	50	< 10	44
K- 0787	244 229	1 < 0.01		10	250	12 < 0.01	< 2	2	9	9	0.03	< 10	< 10	32	< 10	34
K- 0788	244 229	1 < 0.01		6	220	14 < 0.01	< 2	1	8	8	0.02	< 10	< 10	22	< 10	18
K- 0789	244 229	< 1 < 0.01		7	250	16 < 0.01		2	3	10	0.03	< 10	< 10	24	< 10	26
K- 0790	244 229	1 < 0.01		10	100	10 < 0.01		2	3	11	0.03	< 10	< 10	37	< 10	26
K- 0791	244 229	1 < 0.01		9	230	12 < 0.01	< 2	3	8	8	0.02	< 10	< 10	34	< 10	36
K- 0792	244 229	< 1 < 0.01		11	580	10 < 0.01	< 2	4	12	12	0.03	< 10	< 10	33	< 10	50
K- 0793	244 229	1 < 0.01		11	740	6 < 0.01	< 2	6	27	27	0.08	< 10	< 10	68	< 10	54
K- 0794	244 229	1 < 0.01		13	350	12 < 0.01	< 2	3	14	14	0.04	< 10	< 10	32	< 10	38
K- 0795	244 229	1 < 0.01		13	230	12 < 0.01		6	3	9	0.04	< 10	< 10	35	< 10	38
K- 0796	244 229	< 1 < 0.01		11	350	12 < 0.01	< 2	3	14	14	0.04	< 10	< 10	30	< 10	36
K- 0797	244 229	< 1 < 0.01		12	390	10 < 0.01		4	3	14	0.04	< 10	< 10	33	< 10	34
K- 0798	244 229	1 < 0.01		11	410	10 < 0.01	< 2	2	12	12	0.04	< 10	< 10	31	< 10	34
K- 0799	244 229	< 1 < 0.01		9	360	8 < 0.01	< 2	1	13	13	0.04	< 10	< 10	27	< 10	28

CERTIFICATION:



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CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0800	244 229	< 0.2	1.12	6	< 10	180	< 0.5	< 2	0.13	< 0.5	3	17	11	1.45	< 10	< 1	0.04	10	0.25	105
K- 0801	244 229	< 0.2	0.79	6	< 10	170	< 0.5	< 2	0.14	< 0.5	3	13	10	1.27	< 10	< 1	0.06	10	0.20	85
K- 0802	244 229	< 0.2	1.12	8	< 10	350	< 0.5	< 2	0.32	< 0.5	5	18	12	1.79	< 10	< 1	0.04	10	0.30	170
K- 0803	244 229	< 0.2	1.21	8	< 10	450	0.5	4	0.31	< 0.5	20	19	14	2.31	< 10	< 1	0.04	10	0.32	1205
K- 0805	244 229	< 0.2	1.21	8	< 10	280	< 0.5	< 2	0.23	< 0.5	3	17	8	1.80	< 10	< 1	0.04	10	0.27	70
K- 0806	244 229	< 0.2	0.99	6	< 10	270	< 0.5	< 2	0.22	< 0.5	2	14	6	1.46	< 10	< 1	0.03	< 10	0.21	60
K- 0807	244 229	< 0.2	1.08	6	< 10	270	< 0.5	< 2	0.19	< 0.5	3	15	10	1.23	< 10	< 1	0.03	< 10	0.23	55
K- 0808	244 229	< 0.2	1.22	10	< 10	240	< 0.5	< 2	0.16	< 0.5	3	17	10	1.86	< 10	< 1	0.03	10	0.25	75
K- 0810	244 229	< 0.2	1.24	12	< 10	240	< 0.5	< 2	0.18	< 0.5	6	20	15	2.21	< 10	< 1	0.03	10	0.42	145
K- 0812	244 229	0.6	1.13	10	< 10	170	< 0.5	< 2	0.14	0.5	4	19	24	1.76	< 10	< 1	0.03	10	0.40	110
K- 0813	244 229	0.4	1.34	12	< 10	260	< 0.5	< 2	0.18	< 0.5	8	23	30	2.33	< 10	< 1	0.03	10	0.52	245
K- 0814	244 229	< 0.2	1.18	8	< 10	300	< 0.5	< 2	0.23	< 0.5	3	18	10	1.72	< 10	< 1	0.04	10	0.27	80
K- 0825	244 229	< 0.2	1.32	16	< 10	80	< 0.5	< 2	0.12	< 0.5	4	24	8	3.85	< 10	< 1	0.04	< 10	0.28	295
K- 0826	244 229	< 0.2	1.35	20	< 10	360	< 0.5	< 2	0.13	< 0.5	4	18	11	2.11	< 10	< 1	0.07	10	0.29	170
K- 0827	244 229	< 0.2	1.53	16	< 10	370	< 0.5	< 2	0.14	< 0.5	4	23	16	2.08	< 10	< 1	0.05	10	0.32	140
K- 0828	244 229	< 0.2	1.48	14	< 10	310	< 0.5	< 2	0.14	< 0.5	5	22	12	2.05	< 10	< 1	0.05	10	0.36	205
K- 0829	244 229	0.4	2.08	18	< 10	490	0.5	< 2	0.16	< 0.5	6	27	21	2.76	< 10	< 1	0.07	10	0.40	205
K- 0830	244 229	0.2	1.47	34	< 10	400	< 0.5	2	0.15	< 0.5	4	20	12	1.89	< 10	< 1	0.06	10	0.30	130
K- 0831	244 229	< 0.2	1.14	48	< 10	230	< 0.5	< 2	0.11	< 0.5	4	15	7	1.57	< 10	< 1	0.07	10	0.29	135
K- 0832	244 229	< 0.2	1.26	40	< 10	230	< 0.5	< 2	0.14	< 0.5	4	18	8	1.71	< 10	< 1	0.06	10	0.32	135
K- 0833	244 229	0.2	1.23	54	< 10	240	< 0.5	< 2	0.13	< 0.5	4	16	10	1.80	< 10	< 1	0.06	10	0.31	125
K- 0834	244 229	< 0.2	1.36	40	< 10	180	< 0.5	< 2	0.12	< 0.5	4	18	7	1.91	< 10	< 1	0.05	10	0.34	135
K- 0835	244 229	0.2	1.17	26	< 10	260	< 0.5	< 2	0.12	< 0.5	3	15	8	1.51	< 10	1	0.05	10	0.28	85
K- 0836	244 229	0.2	1.38	30	< 10	250	< 0.5	2	0.13	< 0.5	4	18	9	1.89	< 10	< 1	0.05	10	0.35	135
K- 0837	244 229	< 0.2	1.37	30	< 10	140	< 0.5	< 2	0.12	< 0.5	4	17	9	2.03	< 10	< 1	0.05	10	0.40	145
K- 0838	244 229	< 0.2	1.11	74	< 10	150	< 0.5	< 2	0.11	< 0.5	4	14	7	1.74	< 10	1	0.06	10	0.35	125
K- 0839	244 229	< 0.2	1.56	20	< 10	160	< 0.5	< 2	0.12	< 0.5	4	18	11	2.01	< 10	< 1	0.05	10	0.44	140
K- 0840	244 229	0.4	1.67	16	< 10	160	< 0.5	< 2	0.10	< 0.5	5	18	11	2.21	< 10	< 1	0.05	10	0.60	135
K- 0841	244 229	< 0.2	1.33	16	< 10	120	< 0.5	< 2	0.11	< 0.5	4	16	11	1.67	< 10	< 1	0.05	10	0.42	95
K- 0842	244 229	< 0.2	0.96	40	< 10	170	< 0.5	< 2	0.09	< 0.5	3	10	6	1.31	< 10	< 1	0.06	10	0.22	100
K- 0843	244 229	< 0.2	0.94	26	< 10	120	< 0.5	2	0.08	< 0.5	3	13	7	1.50	< 10	< 1	0.05	10	0.23	95
K- 0844	244 229	< 0.2	1.29	24	< 10	100	< 0.5	2	0.06	< 0.5	1	14	4	1.67	< 10	< 1	0.03	10	0.18	65
K- 0845	244 229	< 0.2	0.76	46	< 10	110	< 0.5	< 2	0.12	< 0.5	2	8	5	1.14	< 10	< 1	0.07	10	0.20	75
K- 0846	244 229	< 0.2	0.71	28	< 10	100	< 0.5	< 2	0.06	< 0.5	< 1	6	3	0.79	< 10	< 1	0.06	10	0.09	30
K- 0847	244 229	0.2	1.00	36	< 10	170	< 0.5	< 2	0.10	< 0.5	1	9	11	1.23	< 10	< 1	0.07	10	0.17	60
K- 0848	244 229	< 0.2	1.21	20	< 10	110	< 0.5	< 2	0.10	< 0.5	4	17	11	1.81	< 10	< 1	0.04	10	0.28	115
K- 0849	244 229	0.2	1.05	16	< 10	190	< 0.5	< 2	0.10	< 0.5	3	15	12	1.68	< 10	< 1	0.05	10	0.22	80
K- 0850	244 229	< 0.2	0.96	22	< 10	140	< 0.5	< 2	0.10	< 0.5	4	14	8	1.72	< 10	< 1	0.04	10	0.22	120
K- 0851	244 229	< 0.2	1.61	26	< 10	150	< 0.5	< 2	0.10	< 0.5	4	22	10	2.53	< 10	< 1	0.04	10	0.32	155
LC-001	244 229	0.6	0.82	8	< 10	130	< 0.5	< 2	0.21	1.5	4	20	170	3.64	< 10	< 1	0.05	10	0.18	240

CERTIFICATION:

[Signature]



ALS
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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IC: KSL EXPLORATION (YUKON) LIMITED
CL: KSL EXPLORATION (YUKON) PTY. LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 2-B
Total Pages: 4
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K- 0800	244 229	< 1	< 0.01	9	320	12	< 0.01	< 2	2	12	0.04	< 10	< 10	28	< 10	30
K- 0801	244 229	1	< 0.01	8	370	10	< 0.01	2	1	13	0.03	< 10	< 10	23	< 10	28
K- 0802	244 229	< 1	< 0.01	11	430	12	0.01	< 2	3	32	0.04	< 10	< 10	31	< 10	38
K- 0803	244 229	1	< 0.01	14	460	12	0.01	2	4	31	0.03	< 10	< 10	38	< 10	46
K- 0805	244 229	< 1	< 0.01	9	460	12	0.01	6	2	20	0.03	< 10	< 10	32	< 10	36
K- 0806	244 229	< 1	< 0.01	8	480	8	0.02	< 2	1	22	0.02	< 10	< 10	24	< 10	26
K- 0807	244 229	< 1	< 0.01	9	410	12	0.03	2	1	18	0.02	< 10	< 10	28	< 10	30
K- 0808	244 229	1	< 0.01	9	480	10	0.01	< 2	2	13	0.02	< 10	< 10	32	< 10	36
K- 0810	244 229	1	< 0.01	15	530	12	0.01	2	2	17	0.02	< 10	< 10	32	< 10	68
K- 0812	244 229	3	< 0.01	15	590	10	0.02	< 2	1	15	0.01	< 10	< 10	29	< 10	64
K- 0813	244 229	3	< 0.01	21	620	10	0.01	2	3	17	0.02	< 10	< 10	35	< 10	106
K- 0814	244 229	1	< 0.01	10	550	8	0.01	2	2	23	0.03	< 10	< 10	32	< 10	38
K- 0825	244 229	1	< 0.01	9	630	24	0.02	4	1	7	0.06	< 10	< 10	67	< 10	42
K- 0826	244 229	1	< 0.01	12	480	40	0.03	< 2	< 1	14	0.04	< 10	< 10	52	< 10	40
K- 0827	244 229	1	< 0.01	14	490	32	0.02	< 2	< 1	15	0.03	< 10	< 10	42	< 10	40
K- 0828	244 229	1	< 0.01	14	440	20	0.01	2	2	13	0.04	< 10	< 10	40	< 10	44
K- 0829	244 229	2	< 0.01	17	520	32	0.02	2	3	18	0.04	< 10	< 10	52	< 10	52
K- 0830	244 229	1	< 0.01	12	530	22	0.02	2	1	16	0.02	< 10	< 10	32	< 10	38
K- 0831	244 229	< 1	< 0.01	9	320	10	< 0.01	2	1	10	0.02	< 10	< 10	27	< 10	32
K- 0832	244 229	< 1	< 0.01	10	340	12	0.01	2	2	12	0.03	< 10	< 10	32	< 10	36
K- 0833	244 229	1	< 0.01	9	480	16	0.01	< 2	1	12	0.02	< 10	< 10	30	< 10	36
K- 0834	244 229	1	< 0.01	9	270	12	< 0.01	2	3	10	0.03	< 10	< 10	34	< 10	38
K- 0835	244 229	1	< 0.01	8	280	10	0.01	< 2	1	13	0.03	< 10	< 10	27	< 10	28
K- 0836	244 229	1	< 0.01	10	360	12	0.01	< 2	1	12	0.03	< 10	< 10	35	< 10	38
K- 0837	244 229	1	< 0.01	10	330	14	< 0.01	< 2	2	9	0.03	< 10	< 10	32	< 10	38
K- 0838	244 229	1	< 0.01	9	250	10	< 0.01	2	1	11	0.03	< 10	< 10	31	< 10	34
K- 0839	244 229	1	< 0.01	11	330	12	< 0.01	2	3	10	0.02	< 10	< 10	33	< 10	36
K- 0840	244 229	1	< 0.01	11	160	12	< 0.01	2	4	9	0.02	< 10	< 10	38	< 10	44
K- 0841	244 229	< 1	< 0.01	10	300	14	< 0.01	< 2	2	9	0.02	< 10	< 10	27	< 10	36
K- 0842	244 229	< 1	< 0.01	7	190	26	< 0.01	< 2	1	8	0.01	< 10	< 10	21	< 10	24
K- 0843	244 229	< 1	< 0.01	7	160	16	< 0.01	< 2	1	8	0.03	< 10	< 10	24	< 10	22
K- 0844	244 229	< 1	< 0.01	5	120	14	< 0.01	< 2	1	6	0.03	< 10	< 10	37	< 10	14
K- 0845	244 229	< 1	< 0.01	6	190	38	< 0.01	< 2	1	10	0.01	< 10	< 10	15	< 10	20
K- 0846	244 229	< 1	< 0.01	3	110	10	< 0.01	< 2	1	7	0.01	< 10	< 10	16	< 10	8
K- 0847	244 229	< 1	< 0.01	5	200	36	0.01	< 2	1	10	0.01	< 10	< 10	21	< 10	22
K- 0848	244 229	< 1	< 0.01	9	260	44	0.01	< 2	1	9	0.04	< 10	< 10	32	< 10	34
K- 0849	244 229	1	< 0.01	9	320	120	0.03	4	1	15	0.03	< 10	< 10	27	< 10	28
K- 0850	244 229	1	< 0.01	8	330	72	0.02	< 2	1	12	0.03	< 10	< 10	27	< 10	32
K- 0851	244 229	1	< 0.01	11	250	62	0.01	< 2	2	9	0.03	< 10	< 10	43	< 10	44
LC-001	244 229	2	< 0.01	37	1670	14	0.06	2	1	35	0.05	< 10	< 10	80	< 10	148

CERTIFICATION: _____



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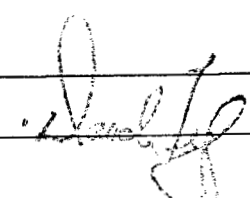
KS EXPLORATION (YUKON) LIMITED
CANADIAN EXPLORATION PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 14 A
Total Pages: 14
Certificate Date: 04-JUL-2001
Invoice No.: 10119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LC-002	244 229	< 0.2	1.23	10	< 10	100	< 0.5	< 2	0.08	< 0.5	3	16	5	2.88	< 10	1	0.03	10	0.18	255
LC-003	244 229	< 0.2	2.94	6	< 10	130	0.5	< 2	0.09	< 0.5	16	64	10	4.68	< 10	< 1	0.01	10	1.00	275
LC-004	244 229	< 0.2	2.28	8	< 10	150	< 0.5	< 2	0.09	< 0.5	8	32	12	3.34	< 10	< 1	0.02	10	0.39	270
LC-005	244 229	< 0.2	1.97	12	< 10	110	< 0.5	< 2	0.08	< 0.5	7	24	12	3.21	< 10	< 1	0.02	10	0.34	240
LC-006	244 229	< 0.2	1.72	10	< 10	110	< 0.5	< 2	0.09	< 0.5	13	28	20	4.29	< 10	< 1	0.03	10	0.47	420
LC-007	244 229	< 0.2	1.43	12	< 10	740	< 0.5	< 2	0.09	< 0.5	6	23	29	2.32	< 10	< 1	0.03	< 10	0.32	260
LC-008	244 229	< 0.2	1.63	12	< 10	190	< 0.5	< 2	0.08	< 0.5	6	23	16	2.76	< 10	< 1	0.03	< 10	0.25	250
LC-009	244 229	< 0.2	1.48	10	< 10	100	< 0.5	< 2	0.08	< 0.5	7	26	67	4.05	< 10	< 1	0.03	10	0.23	245
LC-010	244 229	< 0.2	2.22	12	< 10	170	< 0.5	< 2	0.09	< 0.5	9	26	70	3.72	< 10	1	0.03	10	0.36	515
W-001	244 229	< 0.2	1.28	8	< 10	110	< 0.5	< 2	0.08	< 0.5	3	17	6	2.34	< 10	< 1	0.04	< 10	0.27	135
W-002	244 229	< 0.2	2.08	12	< 10	150	< 0.5	2	0.11	< 0.5	6	34	11	3.20	< 10	< 1	0.03	< 10	0.45	210
W-003	244 229	< 0.2	2.35	12	< 10	210	< 0.5	< 2	0.10	< 0.5	7	34	13	3.06	< 10	< 1	0.03	< 10	0.42	230
W-004	244 229	< 0.2	2.45	10	< 10	110	< 0.5	< 2	0.10	< 0.5	8	40	10	3.36	< 10	< 1	0.02	< 10	0.52	230
W-005	244 229	< 0.2	2.01	12	< 10	120	< 0.5	< 2	0.10	< 0.5	7	29	10	3.74	< 10	< 1	0.04	< 10	0.56	230
W-006	244 229	< 0.2	2.59	12	< 10	140	< 0.5	< 2	0.11	< 0.5	11	47	14	3.26	< 10	< 1	0.03	< 10	0.86	250
W-007	244 229	< 0.2	1.76	8	< 10	110	< 0.5	< 2	0.10	< 0.5	5	25	7	3.40	< 10	< 1	0.03	< 10	0.39	240
W-008	244 229	< 0.2	2.12	14	< 10	140	< 0.5	< 2	0.13	< 0.5	7	30	12	4.00	< 10	< 1	0.04	< 10	0.45	285
W-009	244 229	0.2	2.03	14	< 10	150	0.5	< 2	0.10	< 0.5	6	30	12	3.05	< 10	1	0.03	10	0.34	160
W-010	244 229	< 0.2	1.44	10	< 10	150	0.5	2	0.10	< 0.5	4	20	9	2.31	< 10	< 1	0.04	10	0.28	160
W-011	244 229	< 0.2	0.76	4	< 10	90	< 0.5	< 2	0.06	< 0.5	1	10	5	1.18	< 10	< 1	0.05	< 10	0.17	65
W-012	244 229	< 0.2	1.01	6	< 10	80	< 0.5	< 2	0.09	< 0.5	4	21	7	1.54	< 10	< 1	0.03	< 10	0.36	110
W-013	244 229	< 0.2	1.41	8	< 10	130	< 0.5	< 2	0.10	< 0.5	4	19	16	2.25	< 10	< 1	0.04	10	0.48	160
W-014	244 229	< 0.2	0.98	8	< 10	80	< 0.5	< 2	0.07	< 0.5	4	13	13	1.54	< 10	< 1	0.07	< 10	0.45	135
W-015	244 229	< 0.2	1.28	30	< 10	140	< 0.5	< 2	0.08	< 0.5	3	15	13	1.86	< 10	< 1	0.06	10	0.54	105
W-016	244 229	< 0.2	0.88	8	< 10	110	< 0.5	< 2	0.11	< 0.5	2	12	6	1.28	< 10	< 1	0.04	< 10	0.18	70
W-017	244 229	< 0.2	1.99	10	< 10	220	0.5	< 2	0.11	< 0.5	7	28	14	2.54	< 10	< 1	0.04	< 10	0.38	225
W-018	244 229	< 0.2	2.23	10	< 10	160	0.5	< 2	0.13	< 0.5	8	27	12	3.81	< 10	< 1	0.12	< 10	0.86	520
W-019	244 229	0.2	2.07	14	< 10	180	< 0.5	< 2	0.12	< 0.5	9	31	13	3.30	< 10	< 1	0.10	< 10	0.51	490
W-020	244 229	< 0.2	1.10	6	< 10	160	< 0.5	< 2	0.09	< 0.5	3	9	6	2.07	< 10	1	0.11	< 10	0.29	410
W-021	244 229	< 0.2	1.59	6	< 10	210	0.5	< 2	0.15	< 0.5	6	23	16	2.24	< 10	1	0.04	< 10	0.42	195
W-022	244 229	< 0.2	1.36	10	< 10	200	< 0.5	< 2	0.14	< 0.5	5	22	14	2.16	< 10	< 1	0.03	< 10	0.39	170
W-023	244 229	< 0.2	1.21	8	< 10	290	< 0.5	< 2	0.22	< 0.5	5	22	15	2.03	< 10	< 1	0.03	< 10	0.41	185
W-024	244 229	< 0.2	1.22	6	< 10	260	< 0.5	< 2	0.24	< 0.5	6	23	16	2.01	< 10	< 1	0.03	< 10	0.46	235
W-025	244 229	< 0.2	1.20	8	< 10	230	< 0.5	2	0.20	< 0.5	7	22	11	2.15	< 10	1	0.05	10	0.44	280

CERTIFICATION: 



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10: KSL EXPLORATION (YUKON) LIMITED
C/O BSE/PTA AUSTRALIA PT LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
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Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 4-B
Total Pages: 4
Certificate Date: 04-JUL-2001
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CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LC-002	244 229	1 < 0.01		7	570	8	0.01	2	< 1	8	0.04	< 10	< 10	57	< 10	26
LC-003	244 229	2 < 0.01		42	360	4	< 0.01	2	5	5	0.02	< 10	< 10	61	< 10	100
LC-004	244 229	2 < 0.01		16	210	8	< 0.01	2	3	7	0.05	< 10	< 10	71	< 10	42
LC-005	244 229	1 < 0.01		17	280	6	< 0.01	2	3	5	0.03	< 10	< 10	52	< 10	34
LC-006	244 229	3 < 0.01		29	440	8	< 0.01	< 2	5	7	0.03	< 10	< 10	61	< 10	114
LC-007	244 229	1 < 0.01		23	280	16	0.01	< 2	2	10	0.04	< 10	< 10	49	< 10	40
LC-008	244 229	1 < 0.01		16	320	6	0.01	< 2	2	8	0.04	< 10	< 10	58	< 10	66
LC-009	244 229	2 < 0.01		30	450	8	0.01	2	3	5	0.04	< 10	< 10	64	< 10	78
LC-010	244 229	3 < 0.01		29	360	8	0.01	2	3	6	0.03	< 10	< 10	57	< 10	60
W-001	244 229	1 < 0.01		7	290	8	< 0.01	2	1	7	0.05	< 10	< 10	53	< 10	22
W-002	244 229	1 < 0.01		14	300	12	< 0.01	4	3	9	0.05	< 10	< 10	61	< 10	38
W-003	244 229	2 < 0.01		17	210	10	< 0.01	< 2	4	9	0.05	< 10	< 10	63	< 10	38
W-004	244 229	2 < 0.01		14	380	6	0.01	< 2	3	7	0.07	< 10	< 10	67	< 10	36
W-005	244 229	1 < 0.01		12	370	8	0.01	6	3	6	0.04	< 10	< 10	58	< 10	36
W-006	244 229	2 < 0.01		14	310	8	0.01	10	3	10	0.08	< 10	< 10	71	< 10	36
W-007	244 229	2 < 0.01		11	320	18	< 0.01	2	2	7	0.05	< 10	< 10	65	< 10	46
W-008	244 229	1 < 0.01		17	390	14	0.01	< 2	3	9	0.06	< 10	< 10	62	< 10	56
W-009	244 229	1 < 0.01		14	240	10	< 0.01	2	3	9	0.05	< 10	< 10	56	< 10	36
W-010	244 229	1 < 0.01		11	250	22	< 0.01	< 2	2	10	0.04	< 10	< 10	47	< 10	34
W-011	244 229	< 1 < 0.01		3	230	10	< 0.01	< 2	< 1	7	0.03	< 10	< 10	36	< 10	6
W-012	244 229	1 < 0.01		8	280	8	< 0.01	< 2	1	8	0.04	< 10	< 10	33	< 10	18
W-013	244 229	2 < 0.01		15	180	28	< 0.01	2	2	8	0.04	< 10	< 10	40	< 10	36
W-014	244 229	< 1 < 0.01		13	140	36	< 0.01	< 2	1	6	0.03	< 10	< 10	21	< 10	34
W-015	244 229	< 1 < 0.01		12	140	30	< 0.01	2	2	8	0.02	< 10	< 10	30	< 10	26
W-016	244 229	1 < 0.01		6	120	10	< 0.01	< 2	1	10	0.05	< 10	< 10	44	< 10	14
W-017	244 229	1 < 0.01		14	200	12	< 0.01	6	3	9	0.06	< 10	< 10	51	< 10	36
W-018	244 229	3 < 0.01		15	1020	4	< 0.01	8	3	9	0.10	< 10	< 10	61	< 10	74
W-019	244 229	3 < 0.01		18	850	8	0.01	< 2	2	12	0.07	< 10	< 10	56	< 10	104
W-020	244 229	1 < 0.01		4	650	6	< 0.01	< 2	1	8	0.05	< 10	< 10	27	< 10	62
W-021	244 229	1 < 0.01		15	180	8	< 0.01	2	2	15	0.05	< 10	< 10	42	< 10	42
W-022	244 229	1 < 0.01		14	180	6	< 0.01	2	3	14	0.05	< 10	< 10	41	< 10	38
W-023	244 229	1 < 0.01		14	310	4	< 0.01	2	3	18	0.05	< 10	< 10	38	< 10	36
W-024	244 229	1 < 0.01		15	490	2	< 0.01	< 2	3	19	0.04	< 10	< 10	36	< 10	38
W-025	244 229	1 < 0.01		12	350	2	< 0.01	< 2	3	16	0.04	< 10	< 10	35	< 10	38

CERTIFICATION: _____

[Signature]



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KLONDIKE EXPLORATION (YUKON) LIMITED
CORPORATE OFFICE
11TH FLOOR, 80 ARTHUR ST.
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NSW 2060, AUSTRALIA

Page Number: 1-A
Page: 1
Certificate Date: 04-JUL-2001
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Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0675	244 229	< 0.2	1.50	28	< 10	250	< 0.5	< 2	0.06	< 0.5	4	16	8	2.26	< 10	< 1	0.05	< 10	0.22	85
K- 0676	244 229	< 0.2	0.77	62	< 10	140	< 0.5	< 2	0.03	< 0.5	2	7	6	1.30	< 10	< 1	0.05	10	0.11	60
K- 0677	244 229	< 0.2	0.72	64	< 10	170	< 0.5	< 2	0.04	< 0.5	1	6	4	1.06	< 10	< 1	0.05	< 10	0.08	40
K- 0678	244 229	< 0.2	1.09	84	< 10	280	< 0.5	< 2	0.06	< 0.5	4	10	7	2.49	< 10	< 1	0.05	10	0.15	85
K- 0679	244 229	< 0.2	1.45	36	< 10	290	< 0.5	< 2	0.09	< 0.5	7	21	10	3.05	< 10	< 1	0.04	10	0.32	175
K- 0680	244 229	< 0.2	0.70	184	< 10	110	< 0.5	< 2	0.01	< 0.5	3	5	6	1.76	< 10	< 1	0.07	20	0.19	85
K- 0681	244 229	< 0.2	1.23	118	< 10	160	< 0.5	< 2	0.08	< 0.5	5	16	12	1.99	< 10	< 1	0.04	30	0.31	145
K- 0682	244 229	< 0.2	0.97	104	< 10	180	< 0.5	< 2	0.05	< 0.5	3	8	7	1.50	< 10	< 1	0.05	30	0.19	70
K- 0683	244 229	< 0.2	0.87	126	< 10	190	< 0.5	< 2	0.11	< 0.5	4	9	9	1.54	< 10	< 1	0.07	30	0.24	110
K- 0684	244 229	< 0.2	0.90	122	< 10	180	< 0.5	< 2	0.04	< 0.5	3	7	7	1.51	< 10	< 1	0.08	30	0.17	75
K- 0685	244 229	< 0.2	1.03	124	< 10	140	< 0.5	< 2	0.04	< 0.5	3	12	9	1.89	< 10	< 1	0.05	10	0.16	100
K- 0686	244 229	< 0.2	1.21	226	< 10	180	0.5	< 2	0.07	< 0.5	5	18	14	1.88	< 10	< 1	0.05	50	0.27	165
K- 0687	244 229	< 0.2	0.73	510	< 10	160	< 0.5	< 2	0.06	< 0.5	3	9	9	1.62	< 10	< 1	0.09	20	0.14	110
K- 0688	244 229	< 0.2	0.89	282	< 10	380	0.5	< 2	0.32	< 0.5	4	10	11	1.11	< 10	< 1	0.08	50	0.17	135
K- 0689	244 229	< 0.2	0.79	296	< 10	280	0.5	< 2	0.30	< 0.5	4	9	8	1.42	< 10	< 1	0.07	30	0.17	150
K- 0690	244 229	0.2	1.01	172	< 10	350	< 0.5	< 2	0.34	< 0.5	5	12	9	1.49	< 10	< 1	0.06	30	0.25	135
K- 0692	244 229	0.2	1.19	116	< 10	360	0.5	< 2	0.23	< 0.5	5	16	20	1.77	< 10	< 1	0.04	30	0.24	110
K- 0693	244 229	0.2	1.29	46	< 10	390	0.5	< 2	0.18	< 0.5	5	18	24	1.67	< 10	< 1	0.04	30	0.28	80
K- 0694	244 229	0.2	1.01	50	< 10	140	< 0.5	< 2	0.13	< 0.5	4	15	17	1.53	< 10	< 1	0.04	10	0.25	155
K- 0695	244 229	0.2	1.21	42	< 10	290	< 0.5	< 2	0.17	< 0.5	4	18	27	1.80	< 10	< 1	0.03	20	0.31	105
K- 0696	244 229	0.2	1.17	38	< 10	200	< 0.5	< 2	0.18	< 0.5	4	18	23	1.70	< 10	< 1	0.03	10	0.33	110
K- 0697	244 229	0.2	1.21	50	< 10	130	< 0.5	< 2	0.14	< 0.5	4	17	19	1.83	< 10	< 1	0.03	10	0.29	120
K- 0698	244 229	0.2	1.22	66	< 10	260	0.5	< 2	0.17	< 0.5	5	17	26	1.74	< 10	< 1	0.04	20	0.29	155
K- 0699	244 229	0.2	1.41	68	< 10	270	0.5	< 2	0.18	< 0.5	4	19	23	1.98	< 10	< 1	0.04	20	0.30	105
K- 0700	244 229	< 0.2	1.22	48	< 10	180	< 0.5	< 2	0.16	< 0.5	4	18	19	1.74	< 10	< 1	0.04	10	0.33	90
K- 0701	244 229	< 0.2	1.27	58	< 10	180	0.5	< 2	0.11	< 0.5	3	21	18	1.85	< 10	< 1	0.04	10	0.25	100
K- 0702	244 229	0.2	1.39	86	< 10	280	0.5	< 2	0.17	< 0.5	6	30	26	1.97	< 10	< 1	0.04	20	0.40	185
K- 0703	244 229	< 0.2	1.00	46	< 10	150	< 0.5	< 2	0.17	< 0.5	5	21	13	1.71	< 10	< 1	0.04	10	0.33	165
K- 0704	244 229	< 0.2	1.28	126	< 10	190	< 0.5	< 2	0.17	< 0.5	11	44	22	2.03	< 10	< 1	0.03	10	0.58	365
K- 0705	244 229	0.4	1.61	126	< 10	190	< 0.5	< 2	0.23	< 0.5	15	66	29	2.61	< 10	< 1	0.03	10	0.91	555
K- 0706	244 229	0.8	1.78	158	< 10	150	< 0.5	2	0.20	< 0.5	15	88	25	2.58	< 10	< 1	0.03	10	0.92	430
K- 0751	244 229	< 0.2	1.00	6	< 10	110	< 0.5	< 2	0.05	< 0.5	3	16	10	1.38	< 10	< 1	0.04	20	0.24	90
K- 0752	244 229	< 0.2	0.88	4	< 10	170	< 0.5	< 2	0.04	< 0.5	2	11	6	0.99	< 10	< 1	0.05	20	0.17	55
K- 0753	244 229	< 0.2	0.69	6	< 10	180	< 0.5	< 2	0.05	< 0.5	2	8	6	1.08	< 10	< 1	0.08	20	0.12	70
K- 0754	244 229	< 0.2	1.06	12	< 10	240	< 0.5	2	0.07	< 0.5	4	14	8	1.51	< 10	< 1	0.05	20	0.22	115
K- 0755	244 229	< 0.2	0.85	6	< 10	130	< 0.5	< 2	0.07	< 0.5	3	12	8	1.40	< 10	< 1	0.08	30	0.26	95
K- 0756	244 229	< 0.2	0.94	6	< 10	180	< 0.5	< 2	0.05	< 0.5	4	7	8	1.46	< 10	< 1	0.06	40	0.26	140
K- 0757	244 229	< 0.2	1.25	8	< 10	170	< 0.5	< 2	0.07	< 0.5	4	18	13	1.72	< 10	< 1	0.05	10	0.27	90
K- 0758	244 229	0.2	2.29	14	< 10	270	0.5	2	0.11	< 0.5	6	31	14	3.16	< 10	< 1	0.04	< 10	0.39	240
K- 0759	244 229	< 0.2	0.96	6	< 10	160	< 0.5	< 2	0.09	< 0.5	4	16	10	1.81	< 10	< 1	0.07	20	0.28	145

CERTIFICATION: _____



ALS CHEMEX
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10: KSL EXPLORATION (YUKON) LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 1-B
Page: 4
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K- 0675	244 229	< 1	< 0.01	9	170	18	< 0.01	< 2	1	7	0.02	< 10	< 10	41	< 10	24
K- 0676	244 229	< 1	< 0.01	5	90	18	< 0.01	< 2	1	5	0.01	< 10	< 10	21	< 10	14
K- 0677	244 229	< 1	< 0.01	3	80	14	< 0.01	< 2	< 1	5	0.01	< 10	< 10	21	< 10	10
K- 0678	244 229	< 1	< 0.01	5	200	28	< 0.01	< 2	1	6	0.01	< 10	< 10	35	< 10	22
K- 0679	244 229	< 1	< 0.01	13	300	20	0.01	< 2	1	11	0.03	< 10	< 10	46	< 10	36
K- 0680	244 229	< 1	< 0.01	4	370	20	0.01	< 2	< 1	7	< 0.01	< 10	< 10	16	< 10	38
K- 0681	244 229	< 1	< 0.01	12	270	18	< 0.01	< 2	1	8	0.01	< 10	< 10	28	< 10	36
K- 0682	244 229	< 1	< 0.01	5	160	18	< 0.01	< 2	1	8	0.01	< 10	< 10	21	< 10	26
K- 0683	244 229	< 1	< 0.01	7	350	18	< 0.01	< 2	1	10	0.01	< 10	< 10	18	< 10	32
K- 0684	244 229	< 1	< 0.01	5	170	20	< 0.01	< 2	1	5	0.01	< 10	< 10	17	< 10	24
K- 0685	244 229	1	< 0.01	13	110	26	< 0.01	< 2	1	6	0.01	< 10	< 10	30	< 10	30
K- 0686	244 229	< 1	< 0.01	12	160	30	< 0.01	< 2	2	7	0.02	< 10	< 10	31	< 10	36
K- 0687	244 229	1	< 0.01	8	290	26	0.01	< 2	1	8	0.01	< 10	< 10	20	< 10	48
K- 0688	244 229	< 1	< 0.01	8	330	28	0.01	< 2	2	31	< 0.01	< 10	< 10	15	< 10	50
K- 0689	244 229	1	< 0.01	7	250	24	0.01	< 2	1	28	< 0.01	< 10	< 10	18	< 10	46
K- 0690	244 229	< 1	< 0.01	9	320	26	0.01	< 2	2	32	0.01	< 10	< 10	24	< 10	56
K- 0692	244 229	< 1	< 0.01	11	320	44	0.02	< 2	3	23	0.01	< 10	< 10	30	< 10	54
K- 0693	244 229	< 1	< 0.01	13	260	46	0.01	2	3	18	0.02	< 10	< 10	34	< 10	54
K- 0694	244 229	1	< 0.01	8	340	36	0.01	< 2	1	13	0.03	< 10	< 10	31	< 10	52
K- 0695	244 229	1	< 0.01	11	380	50	0.01	2	3	16	0.03	< 10	< 10	32	< 10	62
K- 0696	244 229	1	< 0.01	11	400	32	< 0.01	2	2	15	0.03	< 10	< 10	31	< 10	60
K- 0697	244 229	1	< 0.01	9	390	36	0.01	< 2	1	12	0.03	< 10	< 10	32	< 10	48
K- 0698	244 229	1	< 0.01	12	380	38	0.01	< 2	2	16	0.03	< 10	< 10	31	< 10	56
K- 0699	244 229	< 1	< 0.01	11	490	34	0.01	4	2	16	0.03	< 10	< 10	31	< 10	52
K- 0700	244 229	1	< 0.01	11	480	22	0.01	4	1	13	0.03	< 10	< 10	32	< 10	50
K- 0701	244 229	1	< 0.01	10	430	26	0.02	< 2	< 1	12	0.01	< 10	< 10	29	< 10	38
K- 0702	244 229	1	< 0.01	19	390	30	< 0.01	4	3	15	0.03	< 10	< 10	31	< 10	56
K- 0703	244 229	1	< 0.01	13	500	16	< 0.01	2	1	13	0.03	< 10	< 10	31	< 10	56
K- 0704	244 229	2	< 0.01	33	470	14	0.01	< 2	1	15	0.02	< 10	< 10	35	< 10	102
K- 0705	244 229	3	< 0.01	47	630	16	< 0.01	8	3	17	0.03	< 10	< 10	49	< 10	122
K- 0706	244 229	3	< 0.01	73	520	16	0.01	2	3	16	0.02	< 10	< 10	50	< 10	102
K- 0751	244 229	< 1	< 0.01	9	90	16	< 0.01	< 2	2	6	0.03	< 10	< 10	26	< 10	20
K- 0752	244 229	1	< 0.01	6	90	16	< 0.01	< 2	1	7	0.02	< 10	< 10	19	< 10	14
K- 0753	244 229	< 1	< 0.01	5	110	14	< 0.01	< 2	1	8	0.01	< 10	< 10	14	< 10	12
K- 0754	244 229	1	< 0.01	8	100	14	< 0.01	< 2	2	7	0.02	< 10	< 10	25	< 10	20
K- 0755	244 229	1	< 0.01	7	150	18	< 0.01	6	1	8	0.04	< 10	< 10	19	< 10	22
K- 0756	244 229	< 1	< 0.01	6	100	26	< 0.01	< 2	2	5	0.01	10	< 10	12	< 10	20
K- 0757	244 229	1	< 0.01	11	100	20	< 0.01	< 2	2	6	0.02	< 10	< 10	29	< 10	32
K- 0758	244 229	3	< 0.01	18	230	16	< 0.01	2	2	9	0.04	< 10	< 10	60	< 10	44
K- 0759	244 229	< 1	< 0.01	11	180	20	< 0.01	< 2	1	9	0.04	< 10	< 10	28	< 10	32

CERTIFICATION: _____



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INSTRUMENTATION (TUBES) LIMITED
OBSE AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
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NSW 2060, AUSTRALIA

PAGE NUMBER 2-A
Page 4
Certificate Date: 04-JUL-2001
Invoice No. : I0119233
P.O. Number :
Account : SDQ

Project : KLONDIKE
Comments : ATTN: ROBERT G. ADAMSON

CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0760	244 229	< 0.2	1.30	8	< 10	180	< 0.5	< 2	0.10	< 0.5	6	21	15	2.17	< 10	< 1	0.06	10	0.35	180
K- 0761	244 229	< 0.2	0.99	8	< 10	130	< 0.5	< 2	0.04	< 0.5	3	10	7	1.58	< 10	< 1	0.09	10	0.18	75
K- 0762	244 229	< 0.2	1.06	10	< 10	140	< 0.5	< 2	0.06	< 0.5	3	13	5	1.90	< 10	< 1	0.05	< 10	0.15	90
K- 0763	244 229	< 0.2	1.90	12	< 10	240	0.5	2	0.09	< 0.5	9	28	12	2.80	< 10	< 1	0.06	10	0.39	315
K- 0764	244 229	< 0.2	1.87	14	< 10	270	0.5	< 2	0.12	< 0.5	6	26	13	3.09	< 10	< 1	0.05	10	0.37	180
K- 0765	244 229	< 0.2	1.38	10	< 10	150	< 0.5	< 2	0.08	< 0.5	5	20	10	2.21	< 10	< 1	0.05	< 10	0.27	165
K- 0766	244 229	< 0.2	1.36	12	< 10	160	< 0.5	< 2	0.10	< 0.5	6	20	8	2.69	< 10	1	0.07	< 10	0.27	230
K- 0767	244 229	< 0.2	1.01	8	< 10	150	< 0.5	< 2	0.08	< 0.5	3	14	9	1.85	< 10	< 1	0.05	10	0.22	135
K- 0768	244 229	< 0.2	1.03	6	< 10	160	< 0.5	< 2	0.10	< 0.5	5	17	11	1.85	< 10	< 1	0.05	10	0.26	190
K- 0769	244 229	< 0.2	1.13	10	< 10	230	< 0.5	< 2	0.14	< 0.5	6	21	15	1.89	< 10	< 1	0.04	10	0.34	170
K- 0770	244 229	< 0.2	1.07	6	< 10	380	< 0.5	< 2	0.17	< 0.5	5	19	16	1.76	< 10	< 1	0.04	10	0.33	150
K- 0771	244 229	< 0.2	0.78	2	< 10	180	< 0.5	< 2	0.13	< 0.5	3	13	9	1.41	< 10	< 1	0.07	20	0.21	180
K- 0772	244 229	< 0.2	0.87	6	< 10	170	< 0.5	< 2	0.12	< 0.5	4	14	10	1.46	< 10	< 1	0.06	10	0.23	150
K- 0773	244 229	< 0.2	0.96	6	< 10	290	< 0.5	< 2	0.25	< 0.5	4	19	17	1.74	< 10	< 1	0.06	10	0.32	145
K- 0774	244 229	< 0.2	1.13	10	< 10	320	< 0.5	< 2	0.28	< 0.5	6	23	19	2.09	< 10	1	0.03	10	0.37	180
K- 0775	244 229	< 0.2	1.24	8	< 10	240	< 0.5	< 2	0.20	< 0.5	5	23	16	1.98	< 10	< 1	0.03	10	0.36	135
K- 0776	244 229	< 0.2	1.04	8	< 10	230	< 0.5	< 2	0.22	< 0.5	5	21	14	1.88	< 10	1	0.03	10	0.35	160
K- 0777	244 229	< 0.2	1.51	6	< 10	290	< 0.5	< 2	0.23	< 0.5	6	25	14	2.26	< 10	< 1	0.03	10	0.41	150
K- 0778	244 229	< 0.2	1.46	8	< 10	200	< 0.5	2	0.19	< 0.5	5	23	16	2.10	< 10	< 1	0.03	10	0.39	115
K- 0779	244 229	< 0.2	1.14	8	< 10	190	< 0.5	< 2	0.17	< 0.5	4	17	10	1.65	< 10	< 1	0.03	10	0.34	125
K- 0780	244 229	< 0.2	1.20	8	< 10	140	< 0.5	< 2	0.09	< 0.5	3	14	7	1.72	< 10	< 1	0.04	< 10	0.28	95
K- 0781	244 229	< 0.2	1.56	40	< 10	220	0.5	< 2	0.13	< 0.5	5	21	13	3.08	< 10	< 1	0.04	< 10	0.24	245
K- 0782	244 229	< 0.2	1.84	24	< 10	230	0.5	< 2	0.10	< 0.5	6	26	13	3.26	< 10	< 1	0.05	< 10	0.28	165
K- 0783	244 229	< 0.2	1.60	18	< 10	190	< 0.5	< 2	0.12	< 0.5	7	25	15	2.51	< 10	< 1	0.05	< 10	0.35	205
K- 0784	244 229	< 0.2	0.94	46	< 10	160	< 0.5	4	0.10	< 0.5	7	15	9	2.01	< 10	< 1	0.07	< 10	0.20	335
K- 0785	244 229	< 0.2	1.54	18	< 10	200	< 0.5	< 2	0.11	< 0.5	5	23	8	2.64	< 10	< 1	0.04	< 10	0.29	155
K- 0786	244 229	< 0.2	1.91	22	< 10	230	0.5	< 2	0.10	< 0.5	10	31	17	3.31	< 10	1	0.05	< 10	0.41	230
K- 0787	244 229	< 0.2	1.25	28	< 10	250	< 0.5	< 2	0.13	< 0.5	4	17	8	2.23	< 10	< 1	0.05	10	0.35	255
K- 0788	244 229	< 0.2	0.85	10	< 10	290	< 0.5	< 2	0.10	< 0.5	3	10	6	1.43	< 10	< 1	0.08	10	0.15	110
K- 0789	244 229	< 0.2	0.81	14	< 10	240	< 0.5	2	0.11	< 0.5	4	12	10	1.62	< 10	< 1	0.10	10	0.16	150
K- 0790	244 229	< 0.2	1.34	14	< 10	280	0.5	< 2	0.12	< 0.5	4	16	10	2.00	< 10	< 1	0.04	10	0.22	110
K- 0791	244 229	< 0.2	1.09	20	< 10	240	< 0.5	< 2	0.11	< 0.5	4	14	10	2.29	< 10	< 1	0.06	< 10	0.19	130
K- 0792	244 229	< 0.2	1.32	12	< 10	230	< 0.5	4	0.22	< 0.5	5	20	16	2.30	< 10	< 1	0.04	10	0.47	170
K- 0793	244 229	< 0.2	1.78	12	< 10	380	0.5	2	0.37	< 0.5	9	17	11	3.41	< 10	< 1	0.05	10	0.49	280
K- 0794	244 229	< 0.2	1.06	6	< 10	210	< 0.5	< 2	0.15	< 0.5	5	19	15	1.85	< 10	< 1	0.05	10	0.31	170
K- 0795	244 229	< 0.2	1.28	6	< 10	140	< 0.5	< 2	0.10	< 0.5	4	21	14	1.94	< 10	< 1	0.04	10	0.35	135
K- 0796	244 229	< 0.2	1.12	6	< 10	210	< 0.5	< 2	0.15	< 0.5	4	18	14	1.73	< 10	< 1	0.06	10	0.29	120
K- 0797	244 229	< 0.2	1.30	4	< 10	190	< 0.5	2	0.16	< 0.5	4	20	14	1.79	< 10	< 1	0.04	10	0.33	115
K- 0798	244 229	< 0.2	1.36	6	< 10	180	< 0.5	< 2	0.13	< 0.5	4	19	13	1.74	< 10	< 1	0.05	10	0.29	100
K- 0799	244 229	< 0.2	1.03	6	< 10	160	< 0.5	< 2	0.14	< 0.5	3	16	10	1.37	< 10	1	0.05	10	0.25	105

CERTIFICATION:



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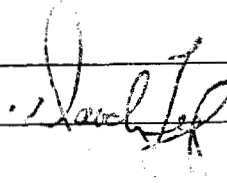
ROBERTSON (AUSTRALIA) LIMITED
OBSERVATION AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 2-D
Page: 4
Certificate Date: 04-JUL-2001
Invoice No.: 10119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
K- 0760	244 229	< 1	< 0.01	15	100	12	< 0.01	4	2	8	0.04	< 10	< 10	35	< 10	40
K- 0761	244 229	< 1	< 0.01	6	120	14	< 0.01	< 2	1	4	0.02	< 10	< 10	22	< 10	18
K- 0762	244 229	< 1	< 0.01	6	160	12	< 0.01	< 2	1	5	0.03	< 10	< 10	41	< 10	18
K- 0763	244 229	1	< 0.01	17	180	24	< 0.01	< 2	3	8	0.04	< 10	< 10	42	< 10	44
K- 0764	244 229	1	< 0.01	15	210	20	< 0.01	4	2	11	0.04	< 10	< 10	50	< 10	44
K- 0765	244 229	1	< 0.01	11	180	16	< 0.01	< 2	1	7	0.03	< 10	< 10	38	< 10	30
K- 0766	244 229	1	< 0.01	11	340	22	< 0.01	2	1	8	0.03	< 10	< 10	37	< 10	36
K- 0767	244 229	1	< 0.01	9	260	18	< 0.01	< 2	< 1	8	0.03	< 10	< 10	31	< 10	32
K- 0768	244 229	1	< 0.01	10	240	14	< 0.01	< 2	1	9	0.04	< 10	< 10	32	< 10	34
K- 0769	244 229	1	< 0.01	13	400	12	< 0.01	2	3	12	0.04	< 10	< 10	32	< 10	40
K- 0770	244 229	< 1	< 0.01	14	370	12	< 0.01	< 2	3	15	0.03	< 10	< 10	30	< 10	36
K- 0771	244 229	< 1	< 0.01	8	320	16	0.01	< 2	1	12	0.03	< 10	< 10	22	< 10	30
K- 0772	244 229	< 1	< 0.01	8	330	18	< 0.01	< 2	1	11	0.04	< 10	< 10	25	< 10	28
K- 0773	244 229	1	< 0.01	14	470	16	< 0.01	< 2	3	20	0.06	< 10	< 10	33	< 10	46
K- 0774	244 229	1	< 0.01	16	530	12	< 0.01	4	3	21	0.05	< 10	< 10	35	< 10	54
K- 0775	244 229	1	< 0.01	14	510	10	< 0.01	< 2	3	15	0.04	< 10	< 10	35	< 10	50
K- 0776	244 229	1	< 0.01	14	530	8	< 0.01	< 2	3	16	0.05	< 10	< 10	34	< 10	44
K- 0777	244 229	1	< 0.01	17	540	10	< 0.01	4	3	16	0.04	< 10	< 10	42	< 10	50
K- 0778	244 229	1	< 0.01	14	350	8	< 0.01	< 2	3	15	0.05	< 10	< 10	38	< 10	40
K- 0779	244 229	< 1	< 0.01	9	320	12	< 0.01	2	3	13	0.04	< 10	< 10	30	< 10	34
K- 0780	244 229	< 1	< 0.01	7	220	8	< 0.01	< 2	1	8	0.03	< 10	< 10	33	< 10	26
K- 0781	244 229	1	< 0.01	13	290	10	< 0.01	4	4	9	0.01	< 10	< 10	42	< 10	32
K- 0782	244 229	2	< 0.01	13	250	14	< 0.01	< 2	4	8	0.02	< 10	< 10	46	< 10	38
K- 0783	244 229	< 1	< 0.01	17	220	14	< 0.01	6	2	11	0.03	< 10	< 10	42	< 10	42
K- 0784	244 229	1	< 0.01	13	370	42	0.01	< 2	< 1	11	0.03	< 10	< 10	30	< 10	44
K- 0785	244 229	1	< 0.01	11	210	18	0.01	< 2	1	9	0.04	< 10	< 10	48	< 10	34
K- 0786	244 229	2	< 0.01	21	210	16	0.01	< 2	3	9	0.05	< 10	< 10	50	< 10	44
K- 0787	244 229	1	< 0.01	10	250	12	0.01	< 2	2	9	0.03	< 10	< 10	32	< 10	34
K- 0788	244 229	1	< 0.01	6	220	14	< 0.01	< 2	1	8	0.02	< 10	< 10	22	< 10	18
K- 0789	244 229	< 1	< 0.01	7	250	16	0.01	2	3	10	0.03	< 10	< 10	24	< 10	26
K- 0790	244 229	1	< 0.01	10	100	10	< 0.01	2	3	11	0.03	< 10	< 10	37	< 10	26
K- 0791	244 229	1	< 0.01	9	230	12	< 0.01	< 2	3	8	0.02	< 10	< 10	34	< 10	36
K- 0792	244 229	< 1	< 0.01	11	580	10	< 0.01	< 2	4	12	0.03	< 10	< 10	33	< 10	50
K- 0793	244 229	1	0.01	11	740	6	< 0.01	< 2	6	27	0.08	< 10	< 10	68	< 10	54
K- 0794	244 229	1	< 0.01	13	350	12	0.01	< 2	3	14	0.04	< 10	< 10	32	< 10	38
K- 0795	244 229	1	< 0.01	13	230	12	< 0.01	6	3	9	0.04	< 10	< 10	35	< 10	38
K- 0796	244 229	< 1	< 0.01	11	350	12	< 0.01	< 2	3	14	0.04	< 10	< 10	30	< 10	36
K- 0797	244 229	< 1	< 0.01	12	390	10	< 0.01	4	3	14	0.04	< 10	< 10	33	< 10	34
K- 0798	244 229	1	< 0.01	11	410	10	< 0.01	< 2	2	12	0.04	< 10	< 10	31	< 10	34
K- 0799	244 229	< 1	< 0.01	9	360	8	< 0.01	< 2	1	13	0.04	< 10	< 10	27	< 10	28

CERTIFICATION: 



Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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NSL EXPLORATION (TUBALIN) LIMITED
CORPORATE SECRETARY
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NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

PAGE NUMBER: 3-A
Page: 1
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
K- 0800	244 229	< 0.2	1.12	6	< 10	180	< 0.5	< 2	0.13	< 0.5	3	17	11	1.45	< 10	< 1	0.04	10	0.25	105
K- 0801	244 229	< 0.2	0.79	6	< 10	170	< 0.5	< 2	0.14	< 0.5	3	13	10	1.27	< 10	< 1	0.06	10	0.20	85
K- 0802	244 229	< 0.2	1.12	8	< 10	350	< 0.5	< 2	0.32	< 0.5	5	18	12	1.79	< 10	< 1	0.04	10	0.30	170
K- 0803	244 229	< 0.2	1.21	8	< 10	450	0.5	4	0.31	< 0.5	20	19	14	2.31	< 10	< 1	0.04	10	0.32	1205
K- 0805	244 229	< 0.2	1.21	8	< 10	280	< 0.5	< 2	0.23	< 0.5	3	17	8	1.80	< 10	< 1	0.04	10	0.27	70
K- 0806	244 229	< 0.2	0.99	6	< 10	270	< 0.5	< 2	0.22	< 0.5	2	14	6	1.46	< 10	< 1	0.03	< 10	0.21	60
K- 0807	244 229	< 0.2	1.08	6	< 10	270	< 0.5	< 2	0.19	< 0.5	3	15	10	1.23	< 10	< 1	0.03	< 10	0.23	55
K- 0808	244 229	< 0.2	1.22	10	< 10	240	< 0.5	< 2	0.16	< 0.5	3	17	10	1.86	< 10	< 1	0.03	10	0.25	75
K- 0810	244 229	< 0.2	1.24	12	< 10	240	< 0.5	< 2	0.18	< 0.5	6	20	15	2.21	< 10	< 1	0.03	10	0.42	145
K- 0812	244 229	0.6	1.13	10	< 10	170	< 0.5	< 2	0.14	0.5	4	19	24	1.76	< 10	< 1	0.03	10	0.40	110
K- 0813	244 229	0.4	1.34	12	< 10	260	< 0.5	< 2	0.18	< 0.5	8	23	30	2.33	< 10	< 1	0.03	10	0.52	245
K- 0814	244 229	< 0.2	1.18	8	< 10	300	< 0.5	< 2	0.23	< 0.5	3	18	10	1.72	< 10	< 1	0.04	10	0.27	80
K- 0825	244 229	< 0.2	1.32	16	< 10	80	< 0.5	< 2	0.12	< 0.5	4	24	8	3.85	< 10	< 1	0.04	< 10	0.28	295
K- 0826	244 229	< 0.2	1.35	20	< 10	360	< 0.5	< 2	0.13	< 0.5	4	18	11	2.11	< 10	< 1	0.07	10	0.29	170
K- 0827	244 229	< 0.2	1.53	16	< 10	370	< 0.5	< 2	0.14	< 0.5	4	23	16	2.08	< 10	< 1	0.05	10	0.32	140
K- 0828	244 229	< 0.2	1.48	14	< 10	310	< 0.5	< 2	0.14	< 0.5	5	22	12	2.05	< 10	< 1	0.05	10	0.36	205
K- 0829	244 229	0.4	2.08	18	< 10	490	0.5	< 2	0.16	< 0.5	6	27	21	2.76	< 10	< 1	0.07	10	0.40	205
K- 0830	244 229	0.2	1.47	34	< 10	400	< 0.5	2	0.15	< 0.5	4	20	12	1.89	< 10	< 1	0.06	10	0.30	130
K- 0831	244 229	< 0.2	1.14	48	< 10	230	< 0.5	< 2	0.11	< 0.5	4	15	7	1.57	< 10	< 1	0.07	10	0.29	135
K- 0832	244 229	< 0.2	1.26	40	< 10	230	< 0.5	< 2	0.14	< 0.5	4	18	8	1.71	< 10	< 1	0.06	10	0.32	135
K- 0833	244 229	0.2	1.23	54	< 10	240	< 0.5	< 2	0.13	< 0.5	4	16	10	1.80	< 10	< 1	0.06	10	0.31	125
K- 0834	244 229	< 0.2	1.36	40	< 10	180	< 0.5	< 2	0.12	< 0.5	4	18	7	1.91	< 10	< 1	0.05	10	0.34	135
K- 0835	244 229	0.2	1.17	26	< 10	260	< 0.5	< 2	0.12	< 0.5	3	15	8	1.51	< 10	1	0.05	10	0.28	85
K- 0836	244 229	0.2	1.38	30	< 10	250	< 0.5	2	0.13	< 0.5	4	18	9	1.89	< 10	< 1	0.05	10	0.35	135
K- 0837	244 229	< 0.2	1.37	30	< 10	140	< 0.5	< 2	0.12	< 0.5	4	17	9	2.03	< 10	< 1	0.05	10	0.40	145
K- 0838	244 229	< 0.2	1.11	74	< 10	150	< 0.5	< 2	0.11	< 0.5	4	14	7	1.74	< 10	1	0.06	10	0.35	125
K- 0839	244 229	< 0.2	1.56	20	< 10	160	< 0.5	< 2	0.12	< 0.5	4	18	11	2.01	< 10	< 1	0.05	10	0.44	140
K- 0840	244 229	0.4	1.67	16	< 10	160	< 0.5	< 2	0.10	< 0.5	5	18	11	2.21	< 10	< 1	0.05	10	0.60	135
K- 0841	244 229	< 0.2	1.33	16	< 10	120	< 0.5	< 2	0.11	< 0.5	4	16	11	1.67	< 10	< 1	0.05	10	0.42	95
K- 0842	244 229	< 0.2	0.96	40	< 10	170	< 0.5	< 2	0.09	< 0.5	3	10	6	1.31	< 10	< 1	0.06	10	0.22	100
K- 0843	244 229	< 0.2	0.94	26	< 10	120	< 0.5	2	0.08	< 0.5	3	13	7	1.50	< 10	< 1	0.05	10	0.23	95
K- 0844	244 229	< 0.2	1.29	24	< 10	100	< 0.5	2	0.06	< 0.5	1	14	4	1.67	< 10	< 1	0.03	10	0.18	65
K- 0845	244 229	< 0.2	0.76	46	< 10	110	< 0.5	< 2	0.12	< 0.5	2	8	5	1.14	< 10	< 1	0.07	10	0.20	75
K- 0846	244 229	< 0.2	0.71	28	< 10	100	< 0.5	< 2	0.06	< 0.5	< 1	6	3	0.79	< 10	< 1	0.06	10	0.09	30
K- 0847	244 229	0.2	1.00	36	< 10	170	< 0.5	< 2	0.10	< 0.5	1	9	11	1.23	< 10	< 1	0.07	10	0.17	60
K- 0848	244 229	< 0.2	1.21	20	< 10	110	< 0.5	< 2	0.10	< 0.5	4	17	11	1.81	< 10	< 1	0.04	10	0.28	115
K- 0849	244 229	0.2	1.05	16	< 10	190	< 0.5	< 2	0.10	< 0.5	3	15	12	1.68	< 10	< 1	0.05	10	0.22	80
K- 0850	244 229	< 0.2	0.96	22	< 10	140	< 0.5	< 2	0.10	< 0.5	4	14	8	1.72	< 10	< 1	0.04	10	0.22	120
K- 0851	244 229	< 0.2	1.61	26	< 10	150	< 0.5	< 2	0.10	< 0.5	4	22	10	2.53	< 10	< 1	0.04	10	0.32	155
LC-001	244 229	0.6	0.82	8	< 10	130	< 0.5	< 2	0.21	1.5	4	20	170	3.64	< 10	< 1	0.05	10	0.18	240

CERTIFICATION: _____



0 [REDACTED] BSE [REDACTED] AUS [REDACTED] A PT [REDACTED] ITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Page Number: 4
Certificate Date: 04-JUL-2001
Invoice No. : I0119233
P.O. Number :
Account : SDQ

Project : KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

CERTIFICATE OF ANALYSIS

A0119233

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
K- 0800	244	229	< 1	< 0.01	9	320	12	< 0.01	< 2	2	12	0.04	< 10	< 10	28	< 10	30
K- 0801	244	229	1	< 0.01	8	370	10	< 0.01	2	1	13	0.03	< 10	< 10	23	< 10	28
K- 0802	244	229	< 1	< 0.01	11	430	12	0.01	< 2	3	32	0.04	< 10	< 10	31	< 10	38
K- 0803	244	229	1	< 0.01	14	460	12	0.01	2	4	31	0.03	< 10	< 10	38	< 10	46
K- 0805	244	229	< 1	< 0.01	9	460	12	0.01	6	2	20	0.03	< 10	< 10	32	< 10	36
K- 0806	244	229	< 1	< 0.01	8	480	8	0.02	< 2	1	22	0.02	< 10	< 10	24	< 10	26
K- 0807	244	229	< 1	< 0.01	9	410	12	0.03	2	1	18	0.02	< 10	< 10	28	< 10	30
K- 0808	244	229	1	< 0.01	9	480	10	0.01	< 2	2	13	0.02	< 10	< 10	32	< 10	36
K- 0810	244	229	1	< 0.01	15	530	12	0.01	2	2	17	0.02	< 10	< 10	32	< 10	68
K- 0812	244	229	3	< 0.01	15	590	10	0.02	< 2	1	15	0.01	< 10	< 10	29	< 10	64
K- 0813	244	229	3	< 0.01	21	620	10	0.01	2	3	17	0.02	< 10	< 10	35	< 10	106
K- 0814	244	229	1	< 0.01	10	550	8	0.01	2	2	23	0.03	< 10	< 10	32	< 10	38
K- 0825	244	229	1	< 0.01	9	630	24	0.02	4	1	7	0.06	< 10	< 10	67	< 10	42
K- 0826	244	229	1	< 0.01	12	480	40	0.03	< 2	< 1	14	0.04	< 10	< 10	52	< 10	40
K- 0827	244	229	1	< 0.01	14	490	32	0.02	< 2	< 1	15	0.03	< 10	< 10	42	< 10	40
K- 0828	244	229	1	< 0.01	14	440	20	0.01	2	2	13	0.04	< 10	< 10	40	< 10	44
K- 0829	244	229	2	< 0.01	17	520	32	0.02	2	3	18	0.04	< 10	< 10	52	< 10	52
K- 0830	244	229	1	< 0.01	12	530	22	0.02	2	1	16	0.02	< 10	< 10	32	< 10	38
K- 0831	244	229	< 1	< 0.01	9	320	10	< 0.01	2	1	10	0.02	< 10	< 10	27	< 10	32
K- 0832	244	229	< 1	< 0.01	10	340	12	0.01	2	2	12	0.03	< 10	< 10	32	< 10	36
K- 0833	244	229	1	< 0.01	9	480	16	0.01	< 2	1	12	0.02	< 10	< 10	30	< 10	36
K- 0834	244	229	1	< 0.01	9	270	12	< 0.01	2	3	10	0.03	< 10	< 10	34	< 10	38
K- 0835	244	229	1	< 0.01	8	280	10	0.01	< 2	1	13	0.03	< 10	< 10	27	< 10	28
K- 0836	244	229	1	< 0.01	10	360	12	0.01	< 2	1	12	0.03	< 10	< 10	35	< 10	38
K- 0837	244	229	1	< 0.01	10	330	14	< 0.01	< 2	2	9	0.03	< 10	< 10	32	< 10	38
K- 0838	244	229	1	< 0.01	9	250	10	< 0.01	2	1	11	0.03	< 10	< 10	31	< 10	34
K- 0839	244	229	1	< 0.01	11	330	12	< 0.01	2	3	10	0.02	< 10	< 10	33	< 10	36
K- 0840	244	229	1	< 0.01	11	160	12	< 0.01	2	4	9	0.02	< 10	< 10	38	< 10	44
K- 0841	244	229	< 1	< 0.01	10	300	14	< 0.01	< 2	2	9	0.02	< 10	< 10	27	< 10	36
K- 0842	244	229	< 1	< 0.01	7	190	26	< 0.01	< 2	1	8	0.01	< 10	< 10	21	< 10	24
K- 0843	244	229	< 1	< 0.01	7	160	16	< 0.01	< 2	1	8	0.03	< 10	< 10	24	< 10	22
K- 0844	244	229	< 1	< 0.01	5	120	14	< 0.01	< 2	1	6	0.03	< 10	< 10	37	< 10	14
K- 0845	244	229	< 1	< 0.01	6	190	38	< 0.01	< 2	1	10	0.01	< 10	< 10	15	< 10	20
K- 0846	244	229	< 1	< 0.01	3	110	10	< 0.01	< 2	1	7	0.01	< 10	< 10	16	< 10	8
K- 0847	244	229	< 1	< 0.01	5	200	36	0.01	< 2	1	10	0.01	< 10	< 10	21	< 10	22
K- 0848	244	229	< 1	< 0.01	9	260	44	0.01	< 2	1	9	0.04	< 10	< 10	32	< 10	34
K- 0849	244	229	1	< 0.01	9	320	120	0.03	4	1	15	0.03	< 10	< 10	27	< 10	28
K- 0850	244	229	1	< 0.01	8	330	72	0.02	< 2	1	12	0.03	< 10	< 10	27	< 10	32
K- 0851	244	229	1	< 0.01	11	250	62	0.01	< 2	2	9	0.03	< 10	< 10	43	< 10	44
LC-001	244	229	2	< 0.01	37	1670	14	0.06	2	1	35	0.05	< 10	< 10	80	< 10	148

CERTIFICATION:



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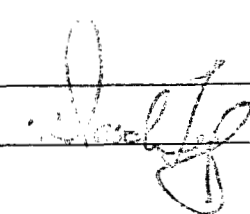
ROBERT G. ADAMSON (PVT) LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

Page Number: 4
Page: 4
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CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LC-002	244 229	< 0.2	1.23	10	< 10	100	< 0.5	< 2	0.08	< 0.5	3	16	5	2.88	< 10	1	0.03	10	0.18	255
LC-003	244 229	< 0.2	2.94	6	< 10	130	0.5	< 2	0.09	< 0.5	16	64	10	4.68	< 10	< 1	0.01	10	1.00	275
LC-004	244 229	< 0.2	2.28	8	< 10	150	< 0.5	< 2	0.09	< 0.5	8	32	12	3.34	< 10	< 1	0.02	10	0.39	270
LC-005	244 229	< 0.2	1.97	12	< 10	110	< 0.5	< 2	0.08	< 0.5	7	24	12	3.21	< 10	< 1	0.02	10	0.34	240
LC-006	244 229	< 0.2	1.72	10	< 10	110	< 0.5	< 2	0.09	< 0.5	13	28	20	4.29	< 10	< 1	0.03	10	0.47	420
LC-007	244 229	< 0.2	1.43	12	< 10	740	< 0.5	< 2	0.09	< 0.5	6	23	29	2.32	< 10	< 1	0.03	< 10	0.32	260
LC-008	244 229	< 0.2	1.63	12	< 10	190	< 0.5	< 2	0.08	< 0.5	6	23	16	2.76	< 10	< 1	0.03	< 10	0.25	250
LC-009	244 229	< 0.2	1.48	10	< 10	100	< 0.5	< 2	0.08	< 0.5	7	26	67	4.05	< 10	< 1	0.03	10	0.23	245
LC-010	244 229	< 0.2	2.22	12	< 10	170	< 0.5	< 2	0.09	< 0.5	9	26	70	3.72	< 10	1	0.03	10	0.36	515
W-001	244 229	< 0.2	1.28	8	< 10	110	< 0.5	< 2	0.08	< 0.5	3	17	6	2.34	< 10	< 1	0.04	< 10	0.27	135
W-002	244 229	< 0.2	2.08	12	< 10	150	< 0.5	2	0.11	< 0.5	6	34	11	3.20	< 10	< 1	0.03	< 10	0.45	210
W-003	244 229	< 0.2	2.35	12	< 10	210	< 0.5	< 2	0.10	< 0.5	7	34	13	3.06	< 10	< 1	0.03	< 10	0.42	230
W-004	244 229	< 0.2	2.45	10	< 10	110	< 0.5	< 2	0.10	< 0.5	8	40	10	3.36	< 10	< 1	0.02	< 10	0.52	230
W-005	244 229	< 0.2	2.01	12	< 10	120	< 0.5	< 2	0.10	< 0.5	7	29	10	3.74	< 10	< 1	0.04	< 10	0.56	230
W-006	244 229	< 0.2	2.59	12	< 10	140	< 0.5	< 2	0.11	< 0.5	11	47	14	3.26	< 10	< 1	0.03	< 10	0.86	250
W-007	244 229	< 0.2	1.76	8	< 10	110	< 0.5	< 2	0.10	< 0.5	5	25	7	3.40	< 10	< 1	0.03	< 10	0.39	240
W-008	244 229	< 0.2	2.12	14	< 10	140	< 0.5	< 2	0.13	< 0.5	7	30	12	4.00	< 10	< 1	0.04	< 10	0.45	285
W-009	244 229	0.2	2.03	14	< 10	150	0.5	< 2	0.10	< 0.5	6	30	12	3.05	< 10	1	0.03	10	0.34	160
W-010	244 229	< 0.2	1.44	10	< 10	150	0.5	2	0.10	< 0.5	4	20	9	2.31	< 10	< 1	0.04	10	0.28	160
W-011	244 229	< 0.2	0.76	4	< 10	90	< 0.5	< 2	0.06	< 0.5	1	10	5	1.18	< 10	< 1	0.05	< 10	0.17	65
W-012	244 229	< 0.2	1.01	6	< 10	80	< 0.5	< 2	0.09	< 0.5	4	21	7	1.54	< 10	< 1	0.03	< 10	0.36	110
W-013	244 229	< 0.2	1.41	8	< 10	130	< 0.5	< 2	0.10	< 0.5	4	19	16	2.25	< 10	< 1	0.04	10	0.48	160
W-014	244 229	< 0.2	0.98	8	< 10	80	< 0.5	< 2	0.07	< 0.5	4	13	13	1.54	< 10	< 1	0.07	< 10	0.45	135
W-015	244 229	< 0.2	1.28	30	< 10	140	< 0.5	< 2	0.08	< 0.5	3	15	13	1.86	< 10	< 1	0.06	10	0.54	105
W-016	244 229	< 0.2	0.88	8	< 10	110	< 0.5	< 2	0.11	< 0.5	2	12	6	1.28	< 10	< 1	0.04	< 10	0.18	70
W-017	244 229	< 0.2	1.99	10	< 10	220	0.5	< 2	0.11	< 0.5	7	28	14	2.54	< 10	< 1	0.04	< 10	0.38	225
W-018	244 229	< 0.2	2.23	10	< 10	160	0.5	< 2	0.13	< 0.5	8	27	12	3.81	< 10	< 1	0.12	< 10	0.86	520
W-019	244 229	0.2	2.07	14	< 10	180	< 0.5	< 2	0.12	< 0.5	9	31	13	3.30	< 10	< 1	0.10	< 10	0.51	490
W-020	244 229	< 0.2	1.10	6	< 10	160	< 0.5	< 2	0.09	< 0.5	3	9	6	2.07	< 10	1	0.11	< 10	0.29	410
W-021	244 229	< 0.2	1.59	6	< 10	210	0.5	< 2	0.15	< 0.5	6	23	16	2.24	< 10	1	0.04	< 10	0.42	195
W-022	244 229	< 0.2	1.36	10	< 10	200	< 0.5	< 2	0.14	< 0.5	5	22	14	2.16	< 10	< 1	0.03	< 10	0.39	170
W-023	244 229	< 0.2	1.21	8	< 10	290	< 0.5	< 2	0.22	< 0.5	5	22	15	2.03	< 10	< 1	0.03	< 10	0.41	185
W-024	244 229	< 0.2	1.22	6	< 10	260	< 0.5	< 2	0.24	< 0.5	6	23	16	2.01	< 10	< 1	0.03	< 10	0.46	235
W-025	244 229	< 0.2	1.20	8	< 10	230	< 0.5	2	0.20	< 0.5	7	22	11	2.15	< 10	1	0.05	10	0.44	280

CERTIFICATION: 



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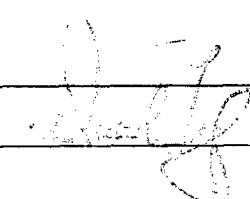
NSL EXPLORATION (YUKON) LIMITED
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Page Number: 4-B
Page: 4
Certificate Date: 04-JUL-2001
Invoice No.: I0119233
P.O. Number:
Account: SDQ

Project: KLONDIKE
Comments: ATTN: ROBERT G. ADAMSON

CERTIFICATE OF ANALYSIS A0119233

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LC-002	244 229	1 < 0.01		7	570	8	0.01	2	< 1	8	0.04	< 10	< 10	57	< 10	26
LC-003	244 229	2 < 0.01		42	360	4	< 0.01	2	5	5	0.02	< 10	< 10	61	< 10	100
LC-004	244 229	2 < 0.01		16	210	8	< 0.01	2	3	7	0.05	< 10	< 10	71	< 10	42
LC-005	244 229	1 < 0.01		17	280	6	< 0.01	2	3	5	0.03	< 10	< 10	52	< 10	34
LC-006	244 229	3 < 0.01		29	440	8	< 0.01	< 2	5	7	0.03	< 10	< 10	61	< 10	114
LC-007	244 229	1 < 0.01		23	280	16	0.01	< 2	2	10	0.04	< 10	< 10	49	< 10	40
LC-008	244 229	1 < 0.01		16	320	6	0.01	< 2	2	8	0.04	< 10	< 10	58	< 10	66
LC-009	244 229	2 < 0.01		30	450	8	0.01	2	3	5	0.04	< 10	< 10	64	< 10	78
LC-010	244 229	3 < 0.01		29	360	8	0.01	2	3	6	0.03	< 10	< 10	57	< 10	60
W-001	244 229	1 < 0.01		7	290	8	< 0.01	2	1	7	0.05	< 10	< 10	53	< 10	22
W-002	244 229	1 < 0.01		14	300	12	< 0.01	4	3	9	0.05	< 10	< 10	61	< 10	38
W-003	244 229	2 < 0.01		17	210	10	< 0.01	< 2	4	9	0.05	< 10	< 10	63	< 10	38
W-004	244 229	2 < 0.01		14	380	6	0.01	< 2	3	7	0.07	< 10	< 10	67	< 10	36
W-005	244 229	1 < 0.01		12	370	8	0.01	6	3	6	0.04	< 10	< 10	58	< 10	36
W-006	244 229	2 < 0.01		14	310	8	0.01	10	3	10	0.08	< 10	< 10	71	< 10	36
W-007	244 229	2 < 0.01		11	320	18	< 0.01	2	2	7	0.05	< 10	< 10	65	< 10	46
W-008	244 229	1 < 0.01		17	390	14	0.01	< 2	3	9	0.06	< 10	< 10	62	< 10	56
W-009	244 229	1 < 0.01		14	240	10	< 0.01	2	3	9	0.05	< 10	< 10	56	< 10	36
W-010	244 229	1 < 0.01		11	250	22	< 0.01	< 2	2	10	0.04	< 10	< 10	47	< 10	34
W-011	244 229	< 1 < 0.01		3	230	10	< 0.01	< 2	< 1	7	0.03	< 10	< 10	36	< 10	6
W-012	244 229	1 < 0.01		8	280	8	< 0.01	< 2	1	8	0.04	< 10	< 10	33	< 10	18
W-013	244 229	2 < 0.01		15	180	28	< 0.01	2	2	8	0.04	< 10	< 10	40	< 10	36
W-014	244 229	< 1 < 0.01		13	140	36	< 0.01	< 2	1	6	0.03	< 10	< 10	21	< 10	34
W-015	244 229	< 1 < 0.01		12	140	30	< 0.01	2	2	8	0.02	< 10	< 10	30	< 10	26
W-016	244 229	1 < 0.01		6	120	10	< 0.01	< 2	1	10	0.05	< 10	< 10	44	< 10	14
W-017	244 229	1 < 0.01		14	200	12	< 0.01	6	3	9	0.06	< 10	< 10	51	< 10	36
W-018	244 229	3 < 0.01		15	1020	4	< 0.01	8	3	9	0.10	< 10	< 10	61	< 10	74
W-019	244 229	3 < 0.01		18	850	8	0.01	< 2	2	12	0.07	< 10	< 10	56	< 10	104
W-020	244 229	1 < 0.01		4	650	6	< 0.01	< 2	1	8	0.05	< 10	< 10	27	< 10	62
W-021	244 229	1 < 0.01		15	180	8	< 0.01	2	2	15	0.05	< 10	< 10	42	< 10	42
W-022	244 229	1 < 0.01		14	180	6	< 0.01	2	3	14	0.05	< 10	< 10	41	< 10	38
W-023	244 229	1 < 0.01		14	310	4	< 0.01	2	3	18	0.05	< 10	< 10	38	< 10	36
W-024	244 229	1 < 0.01		15	490	2	< 0.01	< 2	3	19	0.04	< 10	< 10	36	< 10	38
W-025	244 229	1 < 0.01		12	350	2	< 0.01	< 2	3	16	0.04	< 10	< 10	35	< 10	38

CERTIFICATION: 



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KSL EXPLORATION (YUKON) LIMITED
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NSW 2060, AUSTRALIA

A0120941

Comments: ATTN: BOB ADAMSON

CERTIFICATE

A0120941

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: BAM/JV
P.O.#:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-JUL-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-42	211	-180 micron screen - Save Minus
SCR-01	211	Screen - Save Plus Charge
LOG-22	211	Samples received without barcode
229	211	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	213	Weight of received sample	BALANCE	0.01	1000.0
Au-MS21	211	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	2000
Ag-ICP41	211	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	211	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	211	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	211	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	211	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	211	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	211	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	211	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	211	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	211	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	211	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	211	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	211	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	211	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	211	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	211	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	211	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	211	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	211	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	211	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	211	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	211	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	211	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	211	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	211	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	211	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	211	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	211	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	211	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	211	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	211	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	211	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	211	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	211	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

**ALS Chemex**

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Project : BAM/JV
Comments: ATTN: BOB ADAMSON

Page Number : 1
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Invoice No. : I0120941
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS**A0120941**

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
2156	94069407	0.20	3	< 0.2	1.64	114	< 10	200	0.5	< 2	0.08	< 0.5	6	18	25	2.44	< 10	< 1	0.04	30
2157	94069407	0.28	2	< 0.2	1.67	22	< 10	310	0.5	< 2	0.12	< 0.5	7	23	30	2.56	< 10	< 1	0.06	30
2158	94069407	0.32	1	< 0.2	0.97	12	< 10	150	< 0.5	< 2	0.06	< 0.5	5	13	13	1.64	< 10	< 1	0.04	10
2159	94069407	0.34	3	0.2	0.87	14	< 10	260	< 0.5	2	0.08	< 0.5	5	12	20	1.98	< 10	< 1	0.09	20
2160	94069407	0.36	2	< 0.2	1.74	50	< 10	250	0.5	2	0.11	< 0.5	10	34	41	2.87	< 10	< 1	0.03	10
2161	94069407	0.32	4	< 0.2	1.62	26	< 10	360	0.5	2	0.16	< 0.5	12	31	44	3.09	< 10	< 1	0.04	10
2162	94069407	0.24	6	0.2	1.54	40	< 10	460	0.5	< 2	0.32	< 0.5	14	34	57	3.30	< 10	< 1	0.04	10
2163	94069407	0.28	5	< 0.2	1.91	38	< 10	270	0.5	< 2	0.14	< 0.5	10	72	31	2.75	< 10	< 1	0.03	10
2164	94069407	0.34	3	< 0.2	2.56	30	< 10	360	0.5	2	0.33	< 0.5	15	71	52	3.50	< 10	< 1	0.03	< 10
2165	94069407	0.26	4	< 0.2	1.95	46	< 10	320	0.5	2	0.21	< 0.5	12	46	38	2.98	< 10	< 1	0.03	< 10
2166	94069407	0.30	2	< 0.2	1.56	24	< 10	470	0.5	2	0.28	< 0.5	9	27	26	2.51	< 10	< 1	0.03	10
2167	94069407	0.28	3	< 0.2	2.39	40	< 10	420	0.5	2	0.56	< 0.5	22	96	69	4.20	< 10	< 1	0.03	< 10
2168	94069407	0.34	2	< 0.2	2.36	8	< 10	270	0.5	< 2	0.28	< 0.5	17	76	57	3.24	< 10	< 1	0.02	< 10
2169	94069407	0.28	1	< 0.2	2.77	12	< 10	220	< 0.5	2	0.28	< 0.5	23	81	34	3.95	< 10	< 1	0.02	< 10
2170	94069407	0.22	2	< 0.2	2.25	36	< 10	230	0.5	2	0.19	< 0.5	16	64	43	3.39	< 10	< 1	0.03	< 10
2171	94069407	0.24	8	1.0	2.24	130	< 10	420	0.5	< 2	0.39	< 0.5	27	82	81	4.61	< 10	< 1	0.05	20
2172	94069407	0.26	3	0.2	1.21	12	< 10	190	< 0.5	2	0.14	< 0.5	4	16	10	1.66	< 10	< 1	0.04	10
2173	-- --	0.00	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
2174	-- --	0.00	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
2175	94069407	0.30	4	< 0.2	1.76	30	< 10	220	0.5	2	0.17	< 0.5	8	20	12	2.77	< 10	< 1	0.10	10
2176	94069407	0.36	3	< 0.2	1.62	14	< 10	240	0.5	< 2	0.15	< 0.5	6	21	14	2.35	< 10	< 1	0.04	< 10
2177	94069407	0.28	5	< 0.2	1.48	10	< 10	200	< 0.5	2	0.18	< 0.5	6	19	13	2.17	< 10	< 1	0.05	10
2178	94069407	0.34	3	< 0.2	1.63	44	< 10	240	0.5	< 2	0.11	< 0.5	9	31	36	2.71	< 10	< 1	0.03	10
2179	94069407	0.28	< 1	< 0.2	1.56	8	< 10	400	0.5	4	0.07	< 0.5	5	16	11	2.22	< 10	< 1	0.05	10
2180	94069407	0.30	1	< 0.2	1.48	8	< 10	220	0.5	8	0.06	< 0.5	5	20	12	2.39	< 10	< 1	0.04	10
2181	94069407	0.30	2	< 0.2	1.30	8	< 10	230	0.5	2	0.06	< 0.5	6	16	13	1.97	< 10	< 1	0.06	30
2182	94069407	0.26	< 1	< 0.2	0.71	18	< 10	180	< 0.5	< 2	0.03	< 0.5	3	7	8	1.41	< 10	< 1	0.06	40
2183	94069407	0.28	< 1	< 0.2	0.90	8	< 10	180	< 0.5	2	0.03	< 0.5	1	8	5	1.14	< 10	< 1	0.05	10
2184	94069407	0.20	2	< 0.2	1.38	30	< 10	260	< 0.5	< 2	0.05	< 0.5	4	18	7	2.63	< 10	< 1	0.04	10
2185	94069407	0.24	9	0.2	0.61	36	< 10	570	< 0.5	2	0.07	< 0.5	1	5	8	0.86	< 10	< 1	0.07	30
2186	94069407	0.36	2	0.2	0.70	10	< 10	240	< 0.5	2	0.04	< 0.5	1	7	5	0.94	< 10	< 1	0.04	10
2187	94069407	0.28	3	< 0.2	1.54	16	< 10	280	0.5	< 2	0.04	< 0.5	4	18	9	2.25	< 10	< 1	0.05	10
2188	94069407	0.28	1	< 0.2	1.54	26	< 10	290	< 0.5	< 2	0.03	< 0.5	5	18	8	2.39	< 10	< 1	0.04	10
2189	94069407	0.30	1	0.2	1.64	16	< 10	290	0.5	< 2	0.04	< 0.5	4	17	8	2.14	< 10	< 1	0.04	20
2190	94069407	0.28	10	0.2	1.12	8	< 10	410	< 0.5	< 2	0.02	< 0.5	2	7	8	1.59	< 10	< 1	0.06	20
2191	94069407	0.36	1	0.2	1.43	8	< 10	500	0.5	2	0.03	< 0.5	3	12	8	1.76	< 10	< 1	0.04	10
2192	94069407	0.32	4	< 0.2	1.40	22	< 10	530	0.5	< 2	0.06	< 0.5	5	23	10	2.95	< 10	< 1	0.05	10
2193	94069407	0.28	< 1	< 0.2	0.87	6	< 10	310	< 0.5	2	0.05	< 0.5	3	5	7	0.78	< 10	< 1	0.09	40
2194	94069407	0.34	< 1	0.2	1.02	12	< 10	190	< 0.5	< 2	0.04	< 0.5	2	11	7	1.59	< 10	< 1	0.06	30
2195	94069407	0.42	< 1	< 0.2	1.06	8	< 10	230	< 0.5	6	0.03	< 0.5	2	8	5	1.06	< 10	< 1	0.06	40

CERTIFICATION:

**ALS Chemex**

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

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KSL EXPLORATION (YUKON) LIMITED
C/O ROBSEARCH AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIAProject : BAM/JV
Comments: ATTN: BOB ADAMSONPage Number : 13
Total Pages : 16
Certificate Date: 30-JUL-2001
Invoice No. : I0120941
P.O. Number :
Account : SDQ**CERTIFICATE OF ANALYSIS****A0120941**

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2156	94069407	0.63	225	4	0.01	19	350	22	0.01	< 2	2	10	0.02	< 10	< 10	35	< 10	88
2157	94069407	0.45	205	1	0.01	18	420	34	0.01	< 2	3	14	0.03	< 10	< 10	40	< 10	102
2158	94069407	0.19	140	1	0.01	8	210	34	0.01	< 2	1	8	0.02	< 10	< 10	25	< 10	46
2159	94069407	0.18	170	2	0.01	9	440	74	0.11	< 2	1	20	0.01	< 10	< 10	20	< 10	62
2160	94069407	0.52	345	1	< 0.01	24	280	12	< 0.01	< 2	4	12	0.02	< 10	< 10	55	< 10	100
2161	94069407	0.41	460	1	0.01	30	400	12	0.01	< 2	4	16	0.03	< 10	< 10	53	< 10	94
2162	94069407	0.45	595	2	< 0.01	41	930	10	0.02	< 2	5	28	0.02	< 10	< 10	51	< 10	120
2163	94069407	0.70	285	< 1	0.01	44	210	10	< 0.01	< 2	4	13	0.03	< 10	< 10	58	< 10	62
2164	94069407	1.07	355	< 1	0.01	41	250	8	< 0.01	< 2	9	17	0.03	< 10	< 10	89	< 10	62
2165	94069407	0.73	330	< 1	0.01	41	410	8	< 0.01	< 2	4	14	0.02	< 10	< 10	53	< 10	58
2166	94069407	0.41	195	< 1	0.01	22	270	8	< 0.01	< 2	3	15	0.02	< 10	< 10	49	< 10	54
2167	94069407	1.40	785	< 1	0.01	71	840	8	0.01	< 2	12	23	0.01	< 10	< 10	86	< 10	72
2168	94069407	1.16	330	< 1	0.01	47	390	2	< 0.01	< 2	7	15	0.02	< 10	< 10	72	< 10	54
2169	94069407	1.61	390	< 1	< 0.01	44	560	6	< 0.01	< 2	7	13	0.01	< 10	< 10	88	< 10	76
2170	94069407	1.02	415	1	< 0.01	39	530	10	0.01	< 2	6	15	0.01	< 10	< 10	77	< 10	84
2171	94069407	1.10	1015	3	0.01	95	1170	12	0.02	< 2	6	38	0.01	< 10	< 10	78	< 10	150
2172	94069407	0.31	85	< 1	0.01	10	460	20	0.02	< 2	1	15	0.01	< 10	< 10	28	< 10	42
2173	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
2174	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
2175	94069407	0.57	375	< 1	< 0.01	12	540	10	< 0.01	< 2	2	17	0.06	< 10	< 10	37	< 10	66
2176	94069407	0.48	205	< 1	< 0.01	14	470	10	< 0.01	< 2	2	13	0.05	< 10	< 10	39	< 10	56
2177	94069407	0.54	210	< 1	< 0.01	12	560	8	< 0.01	< 2	2	24	0.04	< 10	< 10	30	< 10	56
2178	94069407	0.48	305	1	< 0.01	23	300	10	< 0.01	< 2	4	12	0.02	< 10	< 10	51	< 10	88
2179	94069407	0.24	180	1	< 0.01	10	240	18	0.01	< 2	1	10	0.03	< 10	< 10	50	< 10	42
2180	94069407	0.29	195	< 1	< 0.01	10	250	22	0.01	< 2	1	8	0.04	< 10	< 10	56	< 10	42
2181	94069407	0.44	215	< 1	< 0.01	11	460	22	< 0.01	< 2	1	10	0.04	< 10	< 10	37	< 10	46
2182	94069407	0.12	95	< 1	< 0.01	5	150	18	< 0.01	< 2	1	5	0.01	< 10	< 10	16	< 10	40
2183	94069407	0.12	55	1	< 0.01	4	120	18	< 0.01	< 2	< 1	4	0.03	< 10	< 10	34	< 10	18
2184	94069407	0.24	130	< 1	< 0.01	8	200	34	0.01	< 2	1	7	0.05	< 10	< 10	57	< 10	32
2185	94069407	0.07	45	1	< 0.01	3	260	34	0.01	< 2	< 1	12	0.01	< 10	< 10	11	< 10	18
2186	94069407	0.10	50	< 1	< 0.01	4	100	14	< 0.01	< 2	< 1	6	0.04	< 10	< 10	30	< 10	16
2187	94069407	0.25	165	< 1	< 0.01	9	170	24	< 0.01	< 2	1	6	0.03	< 10	< 10	44	< 10	36
2188	94069407	0.25	130	1	< 0.01	10	170	20	< 0.01	< 2	1	6	0.03	< 10	< 10	40	< 10	34
2189	94069407	0.17	95	< 1	< 0.01	7	160	30	< 0.01	< 2	1	7	0.02	< 10	< 10	45	< 10	26
2190	94069407	0.10	70	< 1	< 0.01	3	130	14	< 0.01	< 2	1	4	0.01	< 10	< 10	26	< 10	32
2191	94069407	0.14	115	< 1	< 0.01	6	110	22	< 0.01	< 2	1	4	0.02	< 10	< 10	37	< 10	28
2192	94069407	0.34	160	< 1	< 0.01	11	290	26	< 0.01	< 2	2	6	0.06	< 10	< 10	69	< 10	38
2193	94069407	0.18	95	< 1	< 0.01	3	290	12	< 0.01	< 2	< 1	14	< 0.01	< 10	< 10	15	< 10	20
2194	94069407	0.22	110	< 1	< 0.01	7	110	26	< 0.01	< 2	1	6	0.02	< 10	< 10	34	< 10	28
2195	94069407	0.24	60	< 1	< 0.01	4	70	20	< 0.01	< 2	1	8	0.01	< 10	< 10	20	< 10	24

CERTIFICATION: _____ +

**ALS Chemex**

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 Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
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KS AUSTRALIA (YUN) LIMITED
 C/O ROBSEARCH AUSTRALIA PTY LIMITED
 11TH FLOOR, 80 ARTHUR ST.
 NORTH SYDNEY
 NSW 2060, AUSTRALIA

Project : BAM/JV
 Comments: ATTN: BOB ADAMSON

Page Number : 2A
 Total Pages : 6
 Certificate Date: 30-JUL-2001
 Invoice No. : 10120941
 P.O. Number :
 Account : SDQ

CERTIFICATE OF ANALYSIS**A0120941**

SAMPLE	PREP CODE	Weight Au ppb Kg ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	
2196	94069407	0.30	< 1	< 0.2	1.27	8	< 10	320	< 0.5	< 2	0.03	< 0.5	3	10	9	1.82	< 10	< 1	0.06	20
2197	94069407	0.34	2	< 0.2	1.47	8	< 10	300	< 0.5	< 2	0.05	< 0.5	6	17	14	2.05	< 10	< 1	0.04	10
2198	94069407	0.28	2	0.2	1.30	12	< 10	300	< 0.5	2	0.07	< 0.5	4	18	11	1.92	< 10	< 1	0.04	10
2199	94069407	0.26	2	0.2	1.58	8	< 10	320	0.5	< 2	0.06	< 0.5	5	23	11	2.51	< 10	< 1	0.05	10
2200	94069407	0.28	1	< 0.2	1.24	6	< 10	250	< 0.5	< 2	0.04	< 0.5	4	14	11	1.79	< 10	< 1	0.05	20
2201	94069407	0.32	1	< 0.2	1.25	8	< 10	250	< 0.5	2	0.03	< 0.5	5	13	11	1.72	< 10	< 1	0.05	30
2202	94069407	0.34	1	< 0.2	1.25	2	< 10	230	< 0.5	< 2	0.04	< 0.5	4	14	11	1.66	< 10	< 1	0.05	30
2203	94069407	0.26	< 1	0.2	1.49	8	< 10	570	0.5	2	0.09	< 0.5	10	17	13	2.08	< 10	< 1	0.06	10
2204	94069407	0.28	< 1	< 0.2	0.83	4	< 10	290	< 0.5	< 2	0.05	< 0.5	3	10	7	1.25	< 10	< 1	0.07	20
2205	94069407	0.34	1	< 0.2	0.90	6	< 10	340	< 0.5	2	0.08	< 0.5	3	13	9	1.33	< 10	< 1	0.06	30
2206	94069407	0.28	1	0.2	1.25	4	< 10	290	< 0.5	2	0.06	< 0.5	4	14	10	1.69	< 10	< 1	0.06	20
2207	94069407	0.30	3	< 0.2	1.13	8	< 10	390	0.5	2	0.08	< 0.5	8	13	13	1.84	< 10	< 1	0.08	20
2208	94069407	0.36	1	< 0.2	1.09	6	< 10	340	< 0.5	< 2	0.10	< 0.5	5	12	11	1.74	< 10	< 1	0.10	30
2209	94069407	0.24	1	< 0.2	1.35	8	< 10	180	0.5	2	0.05	< 0.5	5	18	8	2.19	< 10	< 1	0.04	10
2210	94069407	0.38	1	< 0.2	1.25	6	< 10	240	< 0.5	2	0.04	< 0.5	4	13	9	1.78	< 10	< 1	0.05	20
2290	94069407	0.32	2	0.2	1.65	6	< 10	240	0.5	6	0.09	< 0.5	7	23	26	2.36	< 10	< 1	0.03	10
2291	94069407	0.26	3	0.2	2.00	6	< 10	260	0.5	2	0.06	< 0.5	8	27	24	2.81	< 10	< 1	0.03	10
2292	94069407	0.24	3	0.2	2.06	10	< 10	220	0.5	2	0.05	< 0.5	8	28	15	3.32	< 10	< 1	0.02	< 10
2293	94069407	0.30	3	0.6	1.92	6	< 10	240	0.5	< 2	0.07	< 0.5	8	26	20	2.96	< 10	< 1	0.02	10
2294	94069407	0.30	2	0.2	2.19	14	< 10	270	0.5	8	0.07	< 0.5	10	30	28	3.62	< 10	< 1	0.03	10
2295	94069407	0.34	3	< 0.2	1.73	10	< 10	230	0.5	< 2	0.07	< 0.5	9	28	36	2.87	< 10	< 1	0.03	10
2296	94069407	0.30	3	< 0.2	1.95	12	< 10	330	0.5	2	0.07	< 0.5	13	30	37	3.15	< 10	< 1	0.03	10
2297	94069407	0.30	2	< 0.2	2.05	< 2	< 10	110	0.5	< 2	0.11	< 0.5	10	30	39	3.63	< 10	< 1	0.03	40
2298	94069407	0.42	2	0.2	1.40	< 2	< 10	90	0.5	< 2	0.14	< 0.5	13	24	39	3.81	< 10	< 1	0.03	50
2299	94069407	0.30	7	< 0.2	1.47	6	< 10	400	< 0.5	< 2	0.10	< 0.5	10	22	45	2.81	< 10	< 1	0.04	30
2300	94069407	0.30	1	< 0.2	1.24	10	< 10	140	< 0.5	< 2	0.04	< 0.5	3	13	7	1.73	< 10	< 1	0.04	20
2301	94069407	0.32	6	< 0.2	1.26	12	< 10	80	0.5	< 2	0.03	< 0.5	4	21	7	2.85	< 10	< 1	0.03	< 10
2302	94069407	0.32	2	< 0.2	1.71	6	< 10	140	< 0.5	6	0.04	< 0.5	4	21	13	2.43	< 10	< 1	0.02	< 10
2303	94069407	0.32	6	< 0.2	1.60	8	< 10	280	0.5	< 2	0.19	< 0.5	9	30	23	2.60	< 10	< 1	0.05	< 10
2304	94069407	0.32	2	< 0.2	1.34	8	< 10	100	< 0.5	2	0.03	< 0.5	3	18	8	2.36	< 10	< 1	0.03	10
2305	94069407	0.24	2	< 0.2	1.72	10	< 10	190	0.5	2	0.07	< 0.5	11	27	8	2.82	< 10	< 1	0.05	< 10
2306	94069407	0.30	2	< 0.2	1.48	6	< 10	220	0.5	2	0.05	< 0.5	5	20	8	2.61	< 10	< 1	0.04	10
2307	94069407	0.26	< 1	< 0.2	0.93	6	< 10	90	< 0.5	< 2	0.03	< 0.5	4	15	12	2.96	< 10	< 1	0.06	30
2308	94069407	0.30	1	< 0.2	1.67	8	< 10	120	0.5	< 2	0.04	< 0.5	7	26	9	2.81	< 10	< 1	0.06	< 10
2309	94069407	0.40	1	< 0.2	0.52	2	< 10	80	< 0.5	< 2	0.01	< 0.5	< 1	3	4	0.86	< 10	< 1	0.03	10
2310	94069407	0.36	2	< 0.2	1.25	6	< 10	120	< 0.5	< 2	0.08	< 0.5	5	16	8	2.19	< 10	< 1	0.06	10
2311	94069407	0.28	3	< 0.2	1.72	8	< 10	290	0.5	< 2	0.06	< 0.5	9	24	26	2.49	< 10	< 1	0.05	30
2312	94069407	0.28	1	< 0.2	1.19	10	< 10	90	< 0.5	< 2	0.04	< 0.5	3	20	8	3.01	< 10	< 1	0.04	< 10
2313	94069407	0.28	1	< 0.2	1.24	6	< 10	120	0.5	2	0.10	< 0.5	5	17	9	2.37	< 10	< 1	0.09	10
2314	94069407	0.30	1	< 0.2	1.64	6	< 10	150	0.5	< 2	0.04	< 0.5	5	19	8	2.30	< 10	< 1	0.04	10

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SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2196	94069407	0.32	160	< 1 < 0.01		7	200	20 < 0.01	< 2		1	7	0.02	< 10	< 10	32	< 10	56
2197	94069407	0.43	150	< 1 < 0.01		12	110	20 < 0.01	< 2		2	8	0.03	< 10	< 10	33	< 10	50
2198	94069407	0.34	145	< 1 < 0.01		10	150	20 < 0.01	< 2		1	8	0.05	< 10	< 10	46	< 10	40
2199	94069407	0.36	210	< 1 < 0.01		12	200	20 < 0.01	< 2		2	8	0.04	< 10	< 10	55	< 10	42
2200	94069407	0.41	120	< 1 < 0.01		8	110	18 < 0.01	< 2		2	7	0.03	< 10	< 10	29	< 10	42
2201	94069407	0.42	95	< 1 < 0.01		9	120	16 < 0.01	< 2		2	8	0.03	< 10	< 10	25	< 10	40
2202	94069407	0.49	110	< 1 < 0.01		9	140	12 < 0.01	< 2		2	7	0.03	< 10	< 10	24	< 10	40
2203	94069407	0.40	1260	< 1 < 0.01		13	470	22 < 0.01	< 2		1	11	0.03	< 10	< 10	37	< 10	48
2204	94069407	0.23	100	< 1 < 0.01		7	150	12 < 0.01	< 2		1	7	0.03	< 10	< 10	24	< 10	26
2205	94069407	0.35	115	< 1 < 0.01		8	80	14 < 0.01	< 2		2	11	0.03	< 10	< 10	23	< 10	32
2206	94069407	0.39	130	< 1 < 0.01		9	110	22 < 0.01	< 2		1	8	0.03	< 10	< 10	25	< 10	38
2207	94069407	0.35	250	< 1 < 0.01		10	450	30 < 0.01	< 2		2	12	0.03	< 10	< 10	28	< 10	40
2208	94069407	0.45	155	< 1 < 0.01		10	340	16 < 0.01	< 2		3	15	0.03	< 10	< 10	24	< 10	44
2209	94069407	0.27	180	< 1 < 0.01		9	210	18 < 0.01	< 2		1	7	0.04	< 10	< 10	52	< 10	32
2210	94069407	0.41	120	< 1 < 0.01		8	110	18 < 0.01	< 2		2	7	0.03	< 10	< 10	29	< 10	38
2290	94069407	0.37	140	3 < 0.01		26	290	12 < 0.01	< 2		2	9	0.02	< 10	< 10	42	< 10	56
2291	94069407	0.38	200	1 < 0.01		25	200	10 < 0.01	< 2		3	8	0.04	< 10	< 10	53	< 10	60
2292	94069407	0.35	220	< 1 < 0.01		21	360	10 < 0.01	< 2		2	7	0.04	< 10	< 10	62	< 10	54
2293	94069407	0.33	245	3 < 0.01		21	350	12 < 0.01	< 2		2	8	0.03	< 10	< 10	58	< 10	68
2294	94069407	0.44	265	3 < 0.01		31	360	10 < 0.01	< 2		3	11	0.03	< 10	< 10	58	< 10	68
2295	94069407	0.41	260	6 < 0.01		26	390	10 < 0.01	< 2		4	11	0.03	< 10	< 10	50	< 10	78
2296	94069407	0.44	435	6 < 0.01		27	240	14 < 0.01	< 2		6	13	0.04	< 10	< 10	57	< 10	74
2297	94069407	0.70	355	2 < 0.01		31	780	16 < 0.01	< 2		4	12	< 0.01	< 10	< 10	31	< 10	82
2298	94069407	0.50	415	1 < 0.01		40	860	12 < 0.01	< 2		5	13	< 0.01	< 10	< 10	22	< 10	92
2299	94069407	0.39	540	< 1 < 0.01		22	720	8 < 0.01	< 2		3	14	0.01	< 10	< 10	37	< 10	60
2300	94069407	0.21	105	< 1 < 0.01		8	210	20 < 0.01	< 2		1	6	0.03	< 10	< 10	35	< 10	30
2301	94069407	0.23	195	1 < 0.01		7	400	16 < 0.01	< 2		1	5	0.04	< 10	< 10	56	< 10	34
2302	94069407	0.59	105	< 1 < 0.01		15	210	56 < 0.01	< 2		1	5	0.02	< 10	< 10	40	< 10	44
2303	94069407	0.60	205	< 1 < 0.01		17	480	8 < 0.01	< 2		2	12	0.07	< 10	< 10	75	< 10	38
2304	94069407	0.30	115	< 1 < 0.01		8	140	12 < 0.01	< 2		1	7	0.05	< 10	< 10	50	< 10	42
2305	94069407	0.49	360	< 1 < 0.01		16	390	10 < 0.01	< 2		1	9	0.06	< 10	< 10	56	< 10	44
2306	94069407	0.25	200	< 1 < 0.01		9	280	60 < 0.01	< 2		2	9	0.05	< 10	< 10	57	< 10	50
2307	94069407	0.24	225	4 < 0.01		7	400	12 < 0.01	< 2		2	5	0.04	< 10	< 10	39	< 10	60
2308	94069407	0.43	285	< 1 < 0.01		18	430	12 < 0.01	< 2		3	5	0.05	< 10	< 10	43	< 10	50
2309	94069407	0.06	50	< 1 < 0.01		1	280	10 < 0.01	< 2	< 1		1	0.02	< 10	< 10	31	< 10	18
2310	94069407	0.30	215	< 1 < 0.01		10	550	10 < 0.01	< 2		2	8	0.03	< 10	< 10	34	< 10	38
2311	94069407	0.38	305	< 1 < 0.01		17	230	12 < 0.01	< 2		4	8	0.03	< 10	< 10	37	< 10	48
2312	94069407	0.24	175	< 1 < 0.01		9	370	12 < 0.01	< 2		1	5	0.05	< 10	< 10	61	< 10	36
2313	94069407	0.36	230	< 1 < 0.01		9	630	14 < 0.01	< 2		3	5	0.03	< 10	< 10	31	< 10	44
2314	94069407	0.27	155	< 1 < 0.01		11	290	26 < 0.01	< 2		2	6	0.04	< 10	< 10	44	< 10	34

CERTIFICATION: _____



ALS name
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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KSL EXPLORATION (YUKON) LIMITED
C/O SEASIDE INDUSTRIES PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project : BAM/JV
Comments : ATTN: BOB ADAMSON

Page Number : 1-A
T. Pages :
Certificate Date: 30-JUL-2001
Invoice No. : I0120941
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS

A0120941

SAMPLE	PREP CODE	Weight Au ppb Kg ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	
3067	94069407	0.34	27	< 0.2	0.71	36	< 10	230	< 0.5	2	0.07	< 0.5	2	7	7	1.01	< 10	< 1	0.06	10
3068	94069407	0.10	7	0.2	0.66	24	< 10	200	< 0.5	8	0.10	< 0.5	1	7	6	0.72	< 10	< 1	0.05	< 10
3069	94069407	0.24	15	< 0.2	1.41	48	< 10	320	< 0.5	4	0.07	< 0.5	4	18	8	2.12	< 10	< 1	0.04	10
3070	94069407	0.28	12	< 0.2	1.14	28	< 10	210	< 0.5	2	0.05	< 0.5	3	13	8	1.55	< 10	< 1	0.05	10
3071	94069407	0.38	4	< 0.2	1.08	14	< 10	310	< 0.5	2	0.05	< 0.5	3	14	7	1.53	< 10	< 1	0.05	10
3092	94069407	0.32	7	< 0.2	2.16	10	< 10	450	0.5	< 2	0.06	< 0.5	8	24	15	2.63	< 10	< 1	0.04	10
3093	94069407	0.28	2	< 0.2	1.60	14	< 10	240	0.5	< 2	0.05	< 0.5	4	18	10	3.64	< 10	< 1	0.06	10
3094	94069407	0.38	4	< 0.2	0.85	16	< 10	280	< 0.5	2	0.07	< 0.5	3	12	6	1.04	< 10	< 1	0.04	20
3095	94069407	0.32	3	< 0.2	1.43	4	< 10	270	< 0.5	< 2	0.09	< 0.5	3	17	8	1.73	< 10	< 1	0.05	10
3096	94069407	0.32	1	< 0.2	1.63	10	< 10	850	0.5	< 2	0.06	< 0.5	3	15	7	2.45	< 10	< 1	0.06	10
3097	94069407	0.44	1	0.2	2.05	8	< 10	320	0.5	< 2	0.05	< 0.5	7	23	9	2.87	< 10	< 1	0.05	10
3098	94069407	0.36	1	< 0.2	1.09	14	< 10	220	< 0.5	< 2	0.07	< 0.5	4	15	8	1.65	< 10	< 1	0.06	20
3099	94069407	0.38	2	< 0.2	1.49	10	< 10	240	0.5	< 2	0.09	< 0.5	6	22	13	2.12	< 10	< 1	0.05	10
3100	94069407	0.42	2	< 0.2	1.31	4	< 10	450	0.5	< 2	0.11	< 0.5	6	21	17	1.98	< 10	< 1	0.05	20
3101	94069407	0.46	2	0.2	1.78	6	< 10	230	0.5	< 2	0.06	< 0.5	7	23	20	2.51	< 10	< 1	0.07	30
3102	94069407	0.36	2	< 0.2	1.64	6	< 10	270	< 0.5	< 2	0.06	< 0.5	5	17	14	2.47	< 10	< 1	0.06	30
3103	94069407	0.38	2	< 0.2	2.50	14	< 10	220	0.5	< 2	0.06	< 0.5	8	35	17	3.40	< 10	< 1	0.03	10
3104	94069407	0.46	< 1	< 0.2	1.16	4	< 10	150	< 0.5	< 2	0.05	< 0.5	4	9	13	1.89	< 10	< 1	0.08	40
3105	94069407	0.38	5	< 0.2	2.03	12	< 10	250	0.5	< 2	0.07	< 0.5	7	28	23	2.78	< 10	< 1	0.06	20
3106	94069407	0.36	1	< 0.2	1.51	16	< 10	150	< 0.5	< 2	0.04	< 0.5	4	19	9	2.68	< 10	< 1	0.04	10
3107	94069407	0.26	2	0.2	1.00	12	< 10	140	< 0.5	< 2	0.05	< 0.5	1	12	6	1.54	< 10	< 1	0.05	10
3108	94069407	0.42	4	0.2	2.07	12	< 10	250	0.5	< 2	0.06	< 0.5	7	24	14	2.73	< 10	< 1	0.06	10
3109	94069407	0.34	1	< 0.2	1.44	12	< 10	220	0.5	< 2	0.08	< 0.5	4	21	8	2.93	< 10	< 1	0.05	10
3110	94069407	0.34	2	0.4	1.93	16	< 10	270	0.5	< 2	0.07	< 0.5	6	24	9	3.24	< 10	< 1	0.04	10
3111	94069407	0.30	6	< 0.2	1.85	28	< 10	250	0.5	< 2	0.07	< 0.5	7	22	9	2.82	< 10	< 1	0.06	10
3112	94069407	0.24	2	0.4	1.31	14	< 10	390	0.5	< 2	0.11	< 0.5	3	12	5	1.73	< 10	< 1	0.07	10
3113	94069407	0.38	7	0.8	1.96	14	< 10	220	0.5	< 2	0.06	< 0.5	6	27	12	3.09	< 10	< 1	0.04	10
3114	94069407	0.32	1	0.2	2.28	10	< 10	230	0.5	< 2	0.05	< 0.5	6	25	9	3.03	< 10	< 1	0.04	10
3115	94069407	0.40	< 1	0.2	1.15	4	< 10	160	< 0.5	< 2	0.03	< 0.5	2	9	5	1.31	< 10	< 1	0.06	30
3116	94069407	0.32	1	< 0.2	1.34	6	< 10	200	< 0.5	< 2	0.04	< 0.5	4	16	9	1.58	< 10	< 1	0.05	40
3117	94069407	0.24	1	0.2	1.84	10	< 10	370	0.5	< 2	0.07	< 0.5	7	23	9	2.49	< 10	< 1	0.03	< 10
3118	94069407	0.34	1	< 0.2	1.29	6	< 10	260	< 0.5	< 2	0.08	< 0.5	4	17	10	1.77	< 10	< 1	0.04	20
3119	94069407	0.32	< 1	0.6	0.67	< 2	< 10	460	< 0.5	< 2	0.06	< 0.5	< 1	4	4	0.82	< 10	< 1	0.06	50
3120	94069407	0.34	< 1	0.2	0.94	< 2	< 10	180	< 0.5	< 2	0.04	< 0.5	2	9	4	1.31	< 10	< 1	0.04	20
3121	94069407	0.32	< 1	0.4	1.00	18	< 10	260	< 0.5	< 2	0.04	< 0.5	2	9	4	1.82	< 10	< 1	0.06	< 10
3122	94069407	0.36	1	0.2	1.11	6	< 10	330	< 0.5	< 2	0.05	< 0.5	5	14	3	1.90	< 10	< 1	0.04	< 10
3123	94069407	0.48	< 1	< 0.2	0.90	6	< 10	260	< 0.5	< 2	0.03	< 0.5	1	9	3	1.16	< 10	< 1	0.05	10
3124	94069407	0.26	1	0.2	0.55	< 2	< 10	370	< 0.5	< 2	0.04	< 0.5	6	4	1	0.76	< 10	< 1	0.07	30
3125	94069407	0.22	< 1	< 0.2	1.29	8	< 10	350	0.5	< 2	0.06	< 0.5	10	15	5	2.05	< 10	< 1	0.07	10
3126	94069407	0.38	3	< 0.2	1.03	4	< 10	260	< 0.5	< 2	0.03	< 0.5	1	10	3	1.40	< 10	< 1	0.06	10

CERTIFICATION:

[Signature]

**ALS Chemex**

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Analytical Chemists * Geochemists * Registered Assayers
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Project : BAM/JV
Comments: ATTN: BOB ADAMSON

Page Number: 88
Total Pages: 10
Certificate Date: 30-JUL-2001
Invoice No.: 10120941
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS**A0120941**

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3067	94069407	0.16	90	< 1	< 0.01	4	290	22	0.01	< 2	< 1	9	0.01	< 10	< 10	18	< 10	34
3068	94069407	0.06	75	< 1	< 0.01	3	690	18	0.03	< 2	< 1	10	< 0.01	< 10	< 10	19	< 10	24
3069	94069407	0.29	150	< 1	< 0.01	9	230	26	< 0.01	< 2	1	9	0.02	< 10	< 10	40	< 10	40
3070	94069407	0.22	120	< 1	< 0.01	7	160	20	< 0.01	< 2	1	7	0.01	< 10	< 10	29	< 10	32
3071	94069407	0.19	80	< 1	< 0.01	7	340	20	< 0.01	< 2	< 1	7	0.02	< 10	< 10	32	< 10	28
3092	94069407	0.36	225	< 1	< 0.01	17	190	20	0.01	< 2	3	7	0.03	< 10	< 10	44	< 10	46
3093	94069407	0.26	175	< 1	< 0.01	9	350	24	0.01	< 2	1	6	0.01	< 10	< 10	44	< 10	38
3094	94069407	0.19	75	< 1	< 0.01	7	80	22	< 0.01	< 2	1	10	0.03	< 10	< 10	22	< 10	22
3095	94069407	0.31	100	< 1	< 0.01	11	280	24	< 0.01	< 2	1	11	0.03	< 10	< 10	30	< 10	34
3096	94069407	0.24	135	3	< 0.01	9	170	24	< 0.01	< 2	1	8	0.01	< 10	< 10	40	< 10	30
3097	94069407	0.32	320	1	< 0.01	12	270	20	< 0.01	< 2	2	8	0.04	< 10	< 10	61	< 10	40
3098	94069407	0.26	105	< 1	< 0.01	9	140	24	< 0.01	< 2	1	10	0.03	< 10	< 10	28	< 10	28
3099	94069407	0.40	160	1	< 0.01	12	170	16	< 0.01	4	2	12	0.05	< 10	< 10	37	< 10	42
3100	94069407	0.38	170	< 1	< 0.01	13	210	24	< 0.01	< 2	3	13	0.04	< 10	< 10	35	< 10	40
3101	94069407	0.47	210	1	< 0.01	16	200	24	< 0.01	6	2	12	0.03	< 10	< 10	36	< 10	50
3102	94069407	0.35	145	1	< 0.01	11	180	24	< 0.01	< 2	2	10	0.03	< 10	< 10	35	< 10	40
3103	94069407	0.44	305	2	< 0.01	17	240	18	< 0.01	2	4	10	0.06	< 10	< 10	66	< 10	44
3104	94069407	0.45	125	< 1	< 0.01	8	220	22	< 0.01	< 2	1	10	0.02	< 10	< 10	19	< 10	38
3105	94069407	0.40	185	1	< 0.01	18	200	18	< 0.01	2	3	11	0.04	< 10	< 10	50	< 10	42
3106	94069407	0.28	160	1	< 0.01	10	260	18	< 0.01	< 2	2	7	0.04	< 10	< 10	48	< 10	36
3107	94069407	0.17	95	< 1	< 0.01	7	180	20	< 0.01	< 2	< 1	8	0.04	< 10	< 10	44	< 10	24
3108	94069407	0.43	190	1	< 0.01	17	180	26	< 0.01	8	3	11	0.03	< 10	< 10	48	< 10	48
3109	94069407	0.36	170	1	< 0.01	10	290	18	0.01	4	1	9	0.05	< 10	< 10	58	< 10	36
3110	94069407	0.35	295	1	< 0.01	13	300	20	< 0.01	< 2	2	10	0.05	< 10	< 10	66	< 10	42
3111	94069407	0.41	235	2	< 0.01	13	210	18	< 0.01	2	3	8	0.03	< 10	< 10	47	< 10	48
3112	94069407	0.21	95	< 1	< 0.01	6	190	16	< 0.01	< 2	1	11	0.01	< 10	< 10	39	< 10	24
3113	94069407	0.39	230	2	< 0.01	13	270	18	< 0.01	< 2	3	9	0.05	< 10	< 10	59	< 10	52
3114	94069407	0.32	170	1	< 0.01	14	380	24	< 0.01	< 2	2	8	0.03	< 10	< 10	56	< 10	44
3115	94069407	0.16	70	< 1	< 0.01	4	130	16	< 0.01	< 2	1	8	0.01	< 10	< 10	26	< 10	22
3116	94069407	0.39	160	1	< 0.01	8	90	26	< 0.01	2	2	9	0.03	< 10	< 10	26	< 10	34
3117	94069407	0.38	270	2	< 0.01	13	170	16	< 0.01	8	2	9	0.04	< 10	< 10	54	< 10	38
3118	94069407	0.45	145	1	< 0.01	11	110	18	< 0.01	< 2	1	11	0.04	< 10	< 10	34	< 10	36
3119	94069407	0.27	45	1	< 0.01	3	330	12	< 0.01	< 2	1	10	< 0.01	< 10	< 10	9	< 10	18
3120	94069407	0.33	85	< 1	< 0.01	5	120	12	< 0.01	2	1	5	0.02	< 10	< 10	20	< 10	32
3121	94069407	0.30	95	< 1	< 0.01	6	150	10	< 0.01	< 2	1	6	0.03	< 10	< 10	22	< 10	42
3122	94069407	0.26	195	1	< 0.01	7	200	18	< 0.01	< 2	1	6	0.04	< 10	< 10	40	< 10	30
3123	94069407	0.17	70	1	< 0.01	5	80	24	< 0.01	< 2	1	4	0.02	< 10	< 10	22	< 10	20
3124	94069407	0.07	810	< 1	< 0.01	4	270	10	< 0.01	< 2	< 1	7	0.01	< 10	< 10	13	< 10	20
3125	94069407	0.24	985	2	< 0.01	10	440	20	< 0.01	< 2	1	7	0.03	< 10	< 10	39	< 10	40
3126	94069407	0.20	70	< 1	< 0.01	6	90	24	< 0.01	< 2	1	5	0.01	< 10	< 10	22	< 10	22

CERTIFICATION: _____

**ALS Chemex**

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

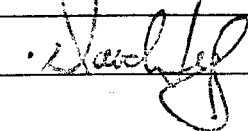
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KSL LABORATORY (YUKON) LIMITED
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NSW 2060, AUSTRALIAProject : BAM/JV
Comments: ATTN: BOB ADAMSONPage Number : 1
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Invoice No. : 10120941
P.O. Number :
Account : SDQ**CERTIFICATE OF ANALYSIS****A0120941**

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
3127	94069407	0.34	4	< 0.2	0.84	10	< 10	270	< 0.5	< 2	0.09	< 0.5	3	11	9	1.25	< 10	< 1	0.05	10
3128	94069407	0.36	4	0.2	1.18	6	< 10	250	< 0.5	< 2	0.12	< 0.5	5	21	14	1.87	< 10	< 1	0.04	10
3129	94069407	0.32	2	< 0.2	1.49	2	< 10	370	< 0.5	< 2	0.23	< 0.5	5	22	16	2.29	< 10	< 1	0.04	10
3130	94069407	0.32	2	< 0.2	1.53	10	< 10	240	< 0.5	< 2	0.06	< 0.5	6	20	14	2.31	< 10	< 1	0.04	10
3131	94069407	0.42	2	0.2	1.19	4	< 10	190	< 0.5	< 2	0.05	< 0.5	4	13	10	1.47	< 10	< 1	0.07	40
3132	94069407	0.38	1	< 0.2	1.14	< 2	< 10	200	< 0.5	< 2	0.04	< 0.5	3	11	10	1.33	< 10	< 1	0.07	50
3133	94069407	0.32	< 1	< 0.2	1.12	< 2	< 10	120	< 0.5	< 2	0.02	< 0.5	2	6	9	1.44	< 10	< 1	0.06	40
3134	94069407	0.36	1	0.2	1.51	< 2	< 10	190	< 0.5	< 2	0.04	< 0.5	5	18	12	1.99	< 10	< 1	0.05	30
3135	94069407	0.22	< 1	0.6	1.46	8	< 10	240	0.5	< 2	0.06	< 0.5	6	19	13	2.42	< 10	< 1	0.06	30
3136	94069407	0.34	1	< 0.2	1.31	< 2	< 10	230	< 0.5	< 2	0.04	< 0.5	4	17	11	1.77	< 10	< 1	0.05	40
3137	94069407	0.28	1	< 0.2	0.97	6	< 10	140	< 0.5	< 2	0.05	< 0.5	3	11	6	1.29	< 10	< 1	0.07	30
3138	94069407	0.20	2	1.0	1.53	10	< 10	350	0.5	< 2	0.14	< 0.5	11	19	14	2.67	< 10	< 1	0.11	20
3139	94069407	0.20	2	1.0	0.92	20	< 10	260	< 0.5	< 2	0.09	< 0.5	5	12	7	1.46	< 10	< 1	0.09	30
3140	94069407	0.20	9	0.8	0.93	16	< 10	190	< 0.5	< 2	0.09	< 0.5	3	13	7	1.42	< 10	< 1	0.07	10
3141	94069407	0.44	2	< 0.2	1.27	< 2	< 10	480	0.5	< 2	0.10	< 0.5	7	21	15	1.92	< 10	< 1	0.05	20
3142	94069407	0.28	1	0.4	1.27	6	< 10	200	< 0.5	< 2	0.04	< 0.5	4	13	8	1.77	< 10	< 1	0.04	20
3143	94069407	0.22	7	0.8	0.91	14	< 10	200	< 0.5	< 2	0.09	< 0.5	3	12	7	1.41	< 10	< 1	0.08	20
3144	94069407	0.20	1	0.6	1.85	10	< 10	300	0.5	< 2	0.13	< 0.5	6	22	9	3.17	< 10	< 1	0.09	10
3145	94069407	0.40	1	0.2	1.70	< 2	< 10	220	0.5	< 2	0.06	< 0.5	5	20	11	2.21	< 10	< 1	0.06	30
3146	94069407	0.32	< 1	0.6	1.99	6	< 10	370	0.5	< 2	0.08	< 0.5	8	22	10	2.69	< 10	< 1	0.04	< 10
3147	94069407	0.22	4	< 0.2	0.75	10	< 10	160	< 0.5	< 2	0.04	< 0.5	3	8	7	1.67	< 10	< 1	0.06	20
3148	94069407	0.32	4	1.0	1.31	106	< 10	120	< 0.5	< 2	0.04	< 0.5	4	14	8	2.50	< 10	< 1	0.08	20
3149	94069407	0.32	2	< 0.2	0.90	12	< 10	250	< 0.5	< 2	0.06	< 0.5	3	10	4	1.54	< 10	< 1	0.07	30
3150	94069407	0.28	10	0.6	1.43	8	< 10	270	0.5	< 2	0.05	< 0.5	5	21	11	2.19	< 10	< 1	0.05	10
3151	94069407	0.32	2	0.6	1.26	14	< 10	250	< 0.5	< 2	0.06	< 0.5	5	20	6	2.81	< 10	< 1	0.08	10
3152	94069407	0.30	3	0.2	1.16	12	< 10	340	< 0.5	< 2	0.05	< 0.5	3	15	4	2.03	< 10	< 1	0.05	20
3153	94069407	0.32	2	0.4	1.25	8	< 10	340	< 0.5	< 2	0.02	< 0.5	3	10	4	1.64	< 10	< 1	0.05	20
3154	94069407	0.28	1	0.2	0.94	< 2	< 10	220	< 0.5	< 2	0.04	< 0.5	2	11	5	1.45	< 10	< 1	0.06	30
3155	94069407	0.34	2	0.2	1.33	16	< 10	370	< 0.5	< 2	0.09	< 0.5	5	19	7	2.78	< 10	< 1	0.08	10
3156	94069407	0.32	2	0.6	1.55	10	< 10	270	0.5	< 2	0.09	< 0.5	5	21	6	2.79	< 10	< 1	0.06	10
3157	94069407	0.38	< 1	0.2	0.76	6	< 10	150	< 0.5	< 2	0.03	< 0.5	< 1	6	3	1.18	< 10	< 1	0.07	20
3158	94069407	0.28	< 1	0.8	1.06	2	< 10	210	< 0.5	< 2	0.04	< 0.5	3	11	4	1.65	< 10	< 1	0.06	20
3159	94069407	0.34	< 1	< 0.2	0.49	< 2	< 10	210	< 0.5	< 2	0.01	< 0.5	1	2	< 1	0.56	< 10	< 1	0.06	30
3160	94069407	0.34	< 1	< 0.2	0.93	2	< 10	300	< 0.5	< 2	0.03	< 0.5	1	5	< 1	1.11	< 10	< 1	0.06	30
3161	94069407	0.34	2	0.2	0.68	12	< 10	160	< 0.5	< 2	0.03	< 0.5	2	7	1	1.03	< 10	< 1	0.07	20
3162	94069407	0.26	1	< 0.2	0.51	16	< 10	160	< 0.5	< 2	0.01	< 0.5	2	4	< 1	0.92	< 10	< 1	0.07	30
3163	94069407	0.24	5	0.2	1.50	18	< 10	560	< 0.5	< 2	0.09	< 0.5	5	22	5	2.95	< 10	< 1	0.05	10
3164	94069407	0.32	1	< 0.2	0.99	6	< 10	340	< 0.5	< 2	0.03	< 0.5	1	7	1	1.30	< 10	< 1	0.06	20
3165	94069407	0.22	< 1	0.2	0.86	8	< 10	220	< 0.5	< 2	0.03	< 0.5	1	8	1	1.66	< 10	< 1	0.05	10
3166	94069407	0.28	1	0.2	1.21	6	< 10	360	0.5	< 2	0.07	< 0.5	5	14	5	2.05	< 10	< 1	0.08	10

CERTIFICATION:  +

**ALS**

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KSE INTERNATIONAL (YUKON) LIMITED
C/O SEARCH AUSTRALIA PTY LIMITED
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project: BAM/JV
Comments: ATTN: BOB ADAMSON

Page Number: 4-5
Total Pages: 5
Certificate Date: 30-JUL-2001
Invoice No.: 10120941
P.O. Number:
Account: SDQ

CERTIFICATE OF ANALYSIS**A0120941**

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3127	94069407	0.25	85	< 1	< 0.01	8	200	22 < 0.01	2	1	11	0.03	< 10	< 10	22	< 10	32	
3128	94069407	0.37	120	1	0.01	13	300	12 < 0.01	2	2	11	0.05	< 10	< 10	38	< 10	36	
3129	94069407	0.48	180	< 1	< 0.01	17	470	12 < 0.01	< 2	3	21	0.03	< 10	< 10	38	< 10	40	
3130	94069407	0.42	170	< 1	< 0.01	14	140	12 < 0.01	2	2	10	0.04	< 10	< 10	44	< 10	38	
3131	94069407	0.49	90	< 1	< 0.01	9	210	16 < 0.01	< 2	1	10	0.01	10	< 10	21	< 10	30	
3132	94069407	0.48	80	< 1	< 0.01	7	150	22 < 0.01	14	1	7	0.01	10	< 10	19	< 10	30	
3133	94069407	0.65	85	< 1	< 0.01	5	200	16 < 0.01	2	1	6	0.01	10	< 10	12	< 10	36	
3134	94069407	0.47	125	< 1	< 0.01	14	170	22 < 0.01	6	1	6	0.03	10	< 10	33	< 10	38	
3135	94069407	0.43	205	1	< 0.01	13	200	38 < 0.01	12	1	9	0.04	< 10	< 10	45	< 10	40	
3136	94069407	0.64	135	1	< 0.01	11	140	12 < 0.01	< 2	1	9	0.01	< 10	< 10	25	< 10	38	
3137	94069407	0.36	110	< 1	< 0.01	8	180	16 < 0.01	2	1	7	0.02	10	< 10	24	< 10	26	
3138	94069407	0.33	660	< 1	< 0.01	14	470	24 0.01	6	1	14	0.03	< 10	< 10	54	< 10	42	
3139	94069407	0.27	290	1	< 0.01	8	370	14 0.01	< 2	< 1	10	0.01	10	< 10	28	< 10	28	
3140	94069407	0.27	145	3	< 0.01	8	170	16 < 0.01	< 2	1	10	0.03	< 10	< 10	29	< 10	26	
3141	94069407	0.38	200	1	< 0.01	14	240	22 < 0.01	8	3	12	0.04	< 10	< 10	34	< 10	36	
3142	94069407	0.40	105	< 1	< 0.01	9	140	14 < 0.01	8	1	6	0.02	< 10	< 10	26	< 10	36	
3143	94069407	0.25	120	< 1	< 0.01	8	180	16 < 0.01	6	1	11	0.03	< 10	< 10	29	< 10	26	
3144	94069407	0.42	420	1	< 0.01	11	1030	18 < 0.01	8	3	12	0.02	< 10	< 10	53	< 10	58	
3145	94069407	0.87	200	< 1	< 0.01	13	140	12 < 0.01	8	3	7	0.07	< 10	< 10	30	< 10	50	
3146	94069407	0.38	160	< 1	< 0.01	19	210	14 < 0.01	8	3	14	0.06	< 10	< 10	47	< 10	42	
3147	94069407	0.17	85	< 1	< 0.01	5	300	14 < 0.01	< 2	< 1	7	0.03	10	< 10	33	< 10	22	
3148	94069407	0.29	105	3	< 0.01	9	330	16 < 0.01	2	1	7	0.01	< 10	< 10	34	< 10	40	
3149	94069407	0.18	110	1	< 0.01	6	210	22 < 0.01	10	1	7	0.03	< 10	< 10	39	< 10	20	
3150	94069407	0.36	130	< 1	< 0.01	14	130	18 < 0.01	2	2	6	0.04	< 10	< 10	39	< 10	36	
3151	94069407	0.36	145	1	< 0.01	12	240	16 < 0.01	10	3	7	0.04	< 10	< 10	48	< 10	32	
3152	94069407	0.21	75	< 1	< 0.01	7	160	16 < 0.01	12	1	7	0.03	< 10	< 10	36	< 10	18	
3153	94069407	0.17	75	< 1	< 0.01	5	130	14 < 0.01	6	1	4	0.01	10	< 10	29	< 10	20	
3154	94069407	0.26	110	< 1	< 0.01	5	180	34 < 0.01	4	1	5	0.03	< 10	< 10	27	< 10	34	
3155	94069407	0.34	300	1	< 0.01	10	590	28 < 0.01	< 2	1	8	0.04	< 10	< 10	52	< 10	34	
3156	94069407	0.35	205	< 1	< 0.01	11	250	20 0.01	6	1	11	0.04	< 10	< 10	52	< 10	32	
3157	94069407	0.12	55	1	< 0.01	3	150	22 < 0.01	2	< 1	4	0.01	< 10	< 10	19	< 10	16	
3158	94069407	0.15	105	< 1	< 0.01	6	250	18 < 0.01	8	< 1	6	0.01	< 10	< 10	29	< 10	22	
3159	94069407	0.03	25	< 1	< 0.01	1	120	12 < 0.01	2	< 1	2	0.01	10	< 10	12	< 10	6	
3160	94069407	0.09	55	< 1	< 0.01	3	220	10 < 0.01	8	< 1	6	0.01	10	< 10	27	< 10	12	
3161	94069407	0.16	65	< 1	< 0.01	4	130	14 < 0.01	10	< 1	4	0.02	< 10	< 10	22	< 10	12	
3162	94069407	0.07	60	< 1	< 0.01	2	160	12 < 0.01	6	< 1	4	0.01	10	< 10	20	< 10	10	
3163	94069407	0.35	185	< 1	< 0.01	11	290	18 < 0.01	4	1	10	0.03	< 10	< 10	48	< 10	32	
3164	94069407	0.10	85	1	< 0.01	3	150	18 < 0.01	6	1	4	0.01	< 10	< 10	22	< 10	14	
3165	94069407	0.15	165	< 1	< 0.01	4	300	18 < 0.01	4	1	2	0.03	< 10	< 10	36	< 10	18	
3166	94069407	0.25	510	< 1	< 0.01	10	400	18 < 0.01	4	1	6	0.03	< 10	< 10	45	< 10	34	

CERTIFICATION: _____



Aurora Laboratory Services Ltd.
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NOT FOR SALE (FOR ANALYSIS)
C/O SEAR, AUSTIN PTY LTD
11TH FLOOR, 80 ARTHUR ST.
NORTH SYDNEY
NSW 2060, AUSTRALIA

Project : BAM/JV
Comments: ATTN: BOB ADAMSON

Form Number : 31A
To : Pages :
Certificate Date: 30-JUL-2001
Invoice No. : I0120941
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS A0120941

SAMPLE	PREP CODE	Weight Au ppb Kg ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	
3167	94069407	0.22	1	0.2	0.60	8	< 10	170	< 0.5	< 2	0.03	< 0.5	2	6	1	1.15	< 10	< 1	0.07	10
3168	94069407	0.20	1	0.8	1.21	2	< 10	210	< 0.5	< 2	0.05	< 0.5	4	12	3	1.87	< 10	< 1	0.07	10
3169	94069407	0.22	1	0.2	0.65	10	< 10	170	< 0.5	< 2	0.05	< 0.5	2	7	2	1.21	< 10	< 1	0.07	30
3170	94069407	0.26	2	0.2	1.25	10	< 10	200	< 0.5	< 2	0.07	< 0.5	3	15	3	1.73	< 10	< 1	0.04	10
3171	94069407	0.28	3	0.2	1.02	18	< 10	200	< 0.5	< 2	0.07	< 0.5	1	12	4	1.29	< 10	< 1	0.06	10
3172	94069407	0.20	< 1	0.6	1.05	2	< 10	230	< 0.5	< 2	0.07	< 0.5	4	12	4	1.83	< 10	< 1	0.05	< 10
3173	94069407	0.24	2	< 0.2	1.45	10	< 10	270	< 0.5	< 2	0.07	< 0.5	5	21	5	2.48	< 10	< 1	0.04	10
3174	94069407	0.28	1	0.2	1.95	8	< 10	430	0.5	< 2	0.08	< 0.5	6	23	5	2.73	< 10	< 1	0.04	10
3175	94069407	0.20	1	0.6	1.68	2	< 10	270	0.5	< 2	0.06	< 0.5	6	17	4	2.68	< 10	< 1	0.03	< 10
3176	94069407	0.28	< 1	< 0.2	0.42	8	< 10	110	< 0.5	< 2	0.04	< 0.5	1	1	< 1	0.38	< 10	< 1	0.04	< 10
3177	94069407	0.30	3	< 0.2	1.83	12	< 10	240	0.5	< 2	0.07	< 0.5	8	20	11	2.31	< 10	< 1	0.05	20
3178	94069407	0.24	< 1	< 0.2	1.16	6	< 10	320	< 0.5	< 2	0.04	< 0.5	1	7	< 1	1.27	< 10	< 1	0.06	30
3222	94069407	0.16	1	0.4	1.32	< 2	< 10	460	0.5	< 2	0.21	< 0.5	3	15	19	1.63	< 10	< 1	0.08	40
3223	94069407	0.26	3	< 0.2	0.73	2	< 10	150	< 0.5	< 2	0.07	< 0.5	1	11	4	1.06	< 10	< 1	0.06	10
3224	94069407	0.28	2	0.2	1.61	2	< 10	90	< 0.5	< 2	0.06	< 0.5	4	20	3	2.71	< 10	< 1	0.04	< 10
3225	94069407	0.20	1	0.2	0.89	< 2	< 10	120	< 0.5	< 2	0.05	< 0.5	1	9	4	1.00	< 10	< 1	0.04	< 10
3226	94069407	0.24	2	< 0.2	1.28	< 2	< 10	250	< 0.5	< 2	0.14	< 0.5	5	18	11	1.74	< 10	< 1	0.05	10
3227	94069407	0.24	1	< 0.2	1.49	2	< 10	270	0.5	< 2	0.12	< 0.5	5	24	20	2.17	< 10	< 1	0.06	20
3228	94069407	0.22	1	< 0.2	1.38	6	< 10	220	0.5	< 2	0.11	< 0.5	4	20	12	2.15	< 10	< 1	0.06	10
3229	94069407	0.22	2	< 0.2	1.17	8	< 10	140	< 0.5	< 2	0.08	< 0.5	4	16	6	1.91	< 10	< 1	0.07	10
3230	94069407	0.26	1	0.2	1.15	< 2	< 10	210	< 0.5	< 2	0.09	< 0.5	3	10	5	1.36	< 10	< 1	0.05	10
3231	94069407	0.34	< 1	0.4	1.00	< 2	< 10	140	< 0.5	< 2	0.09	< 0.5	3	10	3	1.20	< 10	< 1	0.04	10
3232	94069407	0.20	1	0.4	0.86	< 2	< 10	240	0.5	< 2	0.09	< 0.5	3	9	12	1.18	< 10	< 1	0.06	20
3233	94069407	0.34	1	< 0.2	1.25	6	< 10	200	< 0.5	< 2	0.07	< 0.5	4	17	8	1.77	< 10	< 1	0.07	20
3234	94069407	0.18	3	0.2	1.34	12	< 10	360	0.5	< 2	0.14	< 0.5	5	19	12	3.09	< 10	< 1	0.08	20
3235	94069407	0.32	3	< 0.2	1.18	2	< 10	150	< 0.5	< 2	0.07	< 0.5	3	15	4	1.56	< 10	< 1	0.05	10
3236	94069407	0.26	1	< 0.2	1.07	8	< 10	210	< 0.5	< 2	0.09	< 0.5	4	13	1	2.11	< 10	< 1	0.07	< 10
3237	94069407	0.36	1	< 0.2	1.39	6	< 10	170	< 0.5	< 2	0.06	< 0.5	4	17	5	1.64	< 10	< 1	0.04	10
3238	94069407	0.34	4	< 0.2	1.09	< 2	< 10	170	< 0.5	< 2	0.11	< 0.5	4	16	6	1.47	< 10	< 1	0.04	10
3239	94069407	0.30	5	< 0.2	1.28	2	< 10	190	< 0.5	< 2	0.12	< 0.5	4	19	6	1.65	< 10	< 1	0.04	10
3240	94069407	0.22	3	< 0.2	1.47	< 2	< 10	200	0.5	< 2	0.14	< 0.5	8	24	12	2.06	< 10	< 1	0.06	10
3241	94069407	0.28	2	0.2	1.52	< 2	< 10	230	0.5	< 2	0.15	< 0.5	5	26	15	2.19	< 10	< 1	0.05	10
3242	94069407	0.26	2	< 0.2	1.25	2	< 10	210	0.5	< 2	0.21	< 0.5	6	23	16	2.08	< 10	< 1	0.05	20
3243	94069407	0.38	2	0.2	1.53	10	< 10	180	0.5	< 2	0.18	< 0.5	6	25	14	2.23	< 10	< 1	0.04	10
3244	94069407	0.38	4	< 0.2	1.40	10	< 10	190	0.5	< 2	0.13	< 0.5	7	23	13	2.09	< 10	< 1	0.04	40
3245	94069407	0.20	1	< 0.2	1.08	14	< 10	140	< 0.5	< 2	0.05	< 0.5	4	14	6	2.67	< 10	< 1	0.05	20
3246	94069407	0.22	1	0.6	1.91	2	< 10	250	0.5	< 2	0.08	< 0.5	9	26	7	3.22	< 10	< 1	0.04	< 10
3247	94069407	0.30	1	0.2	2.57	10	< 10	330	0.5	< 2	0.07	< 0.5	9	34	15	3.40	< 10	< 1	0.05	10
3248	94069407	0.26	1	0.2	1.44	< 2	< 10	220	< 0.5	< 2	0.07	< 0.5	5	19	3	2.71	< 10	< 1	0.04	< 10
3249	94069407	0.24	2	< 0.2	1.11	8	< 10	120	0.5	< 2	0.07	< 0.5	5	15	8	1.80	< 10	< 1	0.04	50

CERTIFICATION: _____ +



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C/O ROBSEAUX AUSTRALIA PTY LIMITED
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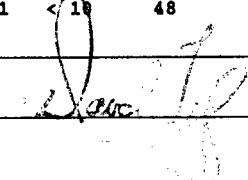
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Page Number : 1-5
Total Pages : 5
Certificate Date: 30-JUL-2001
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CERTIFICATE OF ANALYSIS

A0120941

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3167	94069407	0.09	60	< 1	< 0.01	3	210	10	< 0.01	10	< 1	5	0.03	< 10	< 10	27	< 10	16
3168	94069407	0.21	245	< 1	< 0.01	7	400	10	0.01	< 2	< 1	5	0.02	10	< 10	35	< 10	30
3169	94069407	0.14	80	< 1	< 0.01	5	310	10	< 0.01	8	< 1	4	0.02	< 10	< 10	27	< 10	18
3170	94069407	0.24	90	< 1	< 0.01	8	160	16	< 0.01	8	1	6	0.03	< 10	< 10	41	< 10	22
3171	94069407	0.23	80	1	< 0.01	8	140	22	< 0.01	4	1	5	0.04	< 10	< 10	28	< 10	22
3172	94069407	0.16	455	1	< 0.01	7	610	12	0.01	< 2	< 1	6	0.03	< 10	< 10	46	< 10	32
3173	94069407	0.32	165	1	< 0.01	12	200	20	< 0.01	2	2	11	0.05	< 10	< 10	58	< 10	30
3174	94069407	0.40	220	1	< 0.01	12	200	18	< 0.01	2	3	11	0.04	< 10	< 10	56	< 10	36
3175	94069407	0.17	375	< 1	< 0.01	8	280	12	0.01	< 2	1	7	0.04	< 10	< 10	65	< 10	32
3176	94069407	0.05	20	< 1	< 0.01	1	130	8	< 0.01	< 2	< 1	3	< 0.01	< 10	< 10	6	< 10	2
3177	94069407	0.36	215	< 1	< 0.01	16	220	20	< 0.01	6	3	7	0.03	10	< 10	34	< 10	38
3178	94069407	0.10	100	< 1	< 0.01	4	230	16	< 0.01	6	< 1	6	0.02	10	< 10	31	< 10	18
3222	94069407	0.17	75	1	0.01	10	350	24	0.02	6	1	22	0.01	< 10	< 10	30	< 10	34
3223	94069407	0.14	60	< 1	< 0.01	7	350	12	0.01	2	< 1	9	0.01	10	< 10	21	< 10	22
3224	94069407	0.24	115	1	< 0.01	8	280	16	0.01	8	1	7	0.03	10	< 10	53	< 10	28
3225	94069407	0.10	70	1	< 0.01	4	200	8	< 0.01	< 2	< 1	6	0.01	< 10	< 10	36	< 10	14
3226	94069407	0.30	125	< 1	< 0.01	13	430	10	0.01	< 2	< 1	15	0.01	< 10	< 10	31	< 10	34
3227	94069407	0.34	130	< 1	0.01	17	360	18	< 0.01	6	3	12	0.05	< 10	< 10	41	< 10	42
3228	94069407	0.32	140	3	< 0.01	14	320	18	0.01	10	1	12	0.04	10	< 10	40	< 10	44
3229	94069407	0.27	115	< 1	< 0.01	10	220	22	< 0.01	< 2	1	9	0.06	< 10	< 10	45	< 10	34
3230	94069407	0.17	140	1	< 0.01	6	200	20	< 0.01	10	1	9	0.03	< 10	< 10	33	< 10	30
3231	94069407	0.19	75	< 1	< 0.01	5	140	18	< 0.01	2	1	7	0.05	< 10	< 10	34	< 10	24
3232	94069407	0.09	75	1	0.01	7	240	30	< 0.01	6	< 1	9	0.04	< 10	< 10	32	< 10	18
3233	94069407	0.27	105	1	< 0.01	10	240	20	< 0.01	4	1	8	0.03	< 10	< 10	32	< 10	36
3234	94069407	0.21	250	2	< 0.01	10	1180	62	0.01	6	< 1	15	0.03	< 10	< 10	57	< 10	50
3235	94069407	0.31	95	< 1	< 0.01	10	170	18	< 0.01	2	1	8	0.03	< 10	< 10	28	< 10	30
3236	94069407	0.16	175	< 1	< 0.01	8	400	18	0.01	4	1	10	0.04	< 10	< 10	47	< 10	30
3237	94069407	0.28	85	1	< 0.01	9	110	30	< 0.01	2	2	7	0.03	10	< 10	34	< 10	28
3238	94069407	0.31	120	< 1	< 0.01	10	400	14	< 0.01	10	1	11	0.03	< 10	< 10	27	< 10	30
3239	94069407	0.33	100	< 1	< 0.01	13	320	14	< 0.01	2	1	14	0.03	< 10	< 10	31	< 10	34
3240	94069407	0.41	230	< 1	< 0.01	16	380	20	< 0.01	2	3	11	0.04	< 10	< 10	39	< 10	42
3241	94069407	0.44	170	< 1	< 0.01	18	430	20	< 0.01	< 2	3	14	0.05	< 10	< 10	41	< 10	52
3242	94069407	0.40	235	< 1	0.01	17	620	16	< 0.01	4	3	17	0.05	< 10	< 10	39	< 10	48
3243	94069407	0.44	160	2	0.01	18	500	14	< 0.01	6	3	12	0.05	< 10	< 10	42	< 10	42
3244	94069407	0.40	210	1	< 0.01	16	360	36	0.01	8	3	11	0.04	< 10	< 10	40	< 10	44
3245	94069407	0.17	110	< 1	< 0.01	8	250	60	0.01	6	3	6	0.03	< 10	< 10	34	< 10	38
3246	94069407	0.33	315	3	< 0.01	15	270	16	0.01	2	2	9	0.05	< 10	< 10	71	< 10	46
3247	94069407	0.50	250	2	< 0.01	22	170	20	0.01	< 2	4	10	0.06	< 10	< 10	68	< 10	52
3248	94069407	0.23	230	1	< 0.01	9	260	20	0.01	8	1	7	0.05	< 10	< 10	66	< 10	48
3249	94069407	0.26	210	< 1	< 0.01	11	160	54	< 0.01	8	3	7	0.04	10	< 10	31	< 10	48

CERTIFICATION:  +

**ALS**

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Project : BAM/JV
Comments: ATTN: BOB ADAMSON

Page Number : 1
Total Pages : 6
Certificate Date: 30-JUL-2001
Invoice No. : I0120941
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS**A0120941**

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
3250	94069407	0.26	2	< 0.2	0.88	6	< 10	380	0.5	< 2	0.12	< 0.5	2	12	13	1.33	< 10	< 1	0.04	80
3251	94069407	0.30	1	< 0.2	2.05	10	< 10	350	0.5	< 2	0.13	< 0.5	10	30	11	3.15	< 10	< 1	0.05	10
3252	94069407	0.26	1	0.4	1.69	4	< 10	370	1.5	< 2	0.10	< 0.5	23	26	24	3.47	< 10	< 1	0.06	30
3253	94069407	0.22	2	< 0.2	1.57	2	< 10	360	0.5	< 2	0.15	< 0.5	9	23	13	2.50	< 10	< 1	0.06	20
3254	94069407	0.30	3	0.2	1.59	2	< 10	250	0.5	< 2	0.12	< 0.5	7	27	11	2.42	< 10	< 1	0.05	10
3255	94069407	0.28	2	< 0.2	1.56	2	< 10	360	0.5	< 2	0.17	< 0.5	7	27	16	2.38	< 10	< 1	0.05	20
3256	94069407	0.30	2	< 0.2	1.18	8	< 10	260	0.5	< 2	0.18	< 0.5	5	21	12	1.84	< 10	< 1	0.05	20
3257	94069407	0.20	4	< 0.2	1.25	< 2	< 10	240	< 0.5	< 2	0.15	< 0.5	5	22	8	1.99	< 10	< 1	0.04	10
3258	94069407	0.26	1	< 0.2	1.40	2	< 10	270	0.5	< 2	0.08	< 0.5	6	22	9	2.20	< 10	< 1	0.05	10
3259	94069407	0.24	1	0.2	1.41	< 2	< 10	310	0.5	< 2	0.12	< 0.5	8	22	14	2.15	< 10	< 1	0.05	20
3260	94069407	0.30	2	0.2	1.70	< 2	< 10	380	0.5	< 2	0.17	< 0.5	11	26	12	2.62	< 10	< 1	0.05	20
3261	94069407	0.24	3	0.2	1.41	< 2	< 10	190	0.5	< 2	0.13	< 0.5	7	23	11	1.96	< 10	< 1	0.06	10
3262	94069407	0.24	2	< 0.2	1.55	6	< 10	340	0.5	< 2	0.15	< 0.5	7	24	10	2.38	< 10	< 1	0.05	10

CERTIFICATION: _____



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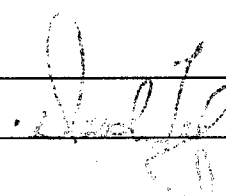
Project : BAM/JV
Comments: ATTN: BOB ADAMSON

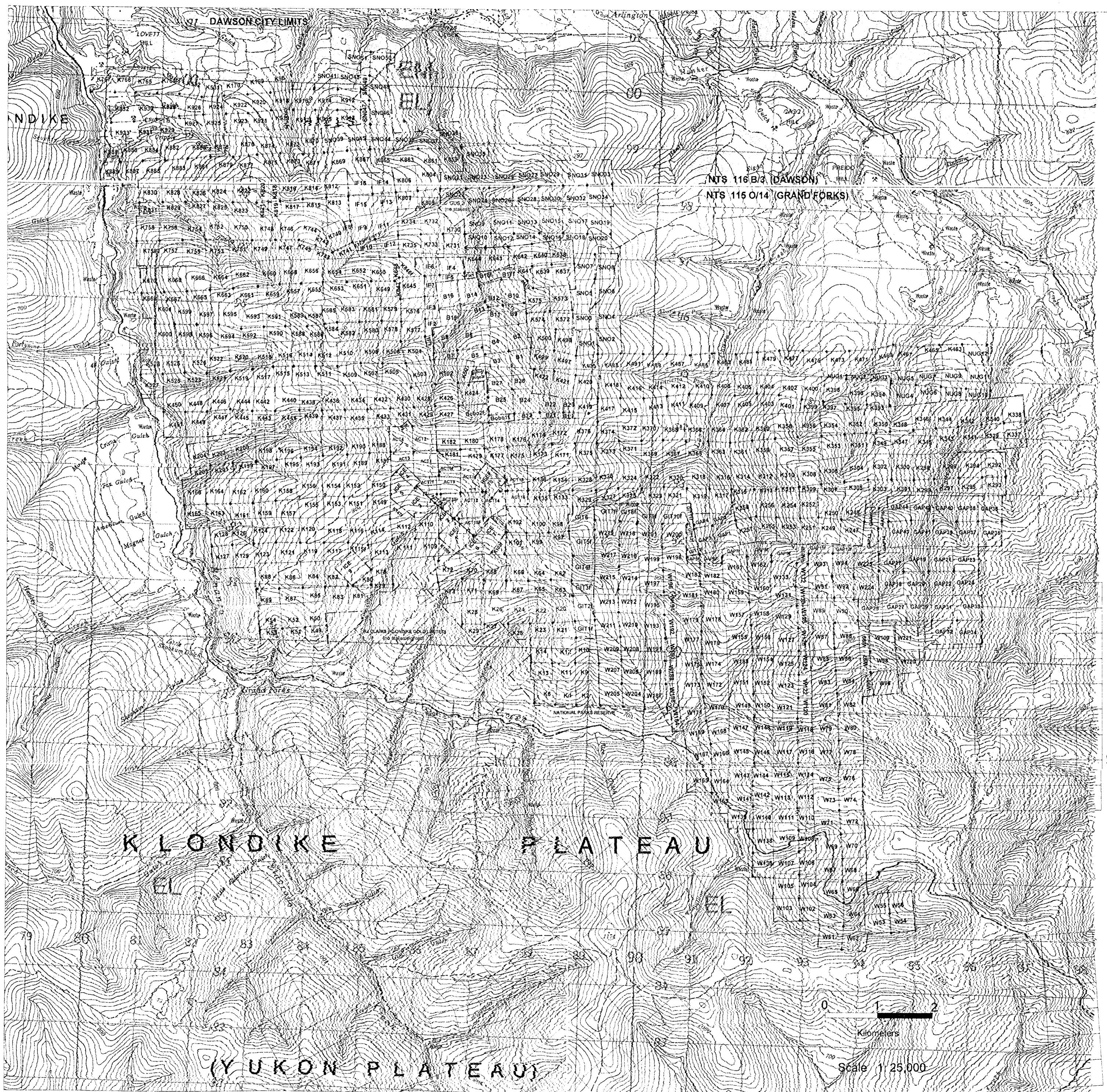
Page Number : 3
Total Pages : 8
Certificate Date: 30-JUL-2001
Invoice No. : I0120941
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CERTIFICATE OF ANALYSIS

A0120941

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3250	94069407	0.10	70	< 1	0.01	8	520	56	0.01	8	1	15	0.04	< 10	< 10	32	< 10	24
3251	94069407	0.46	415	< 1	< 0.01	18	400	16	0.01	< 2	3	15	0.05	< 10	< 10	68	< 10	52
3252	94069407	0.33	1400	< 1	0.01	18	840	42	0.01	8	3	14	0.05	< 10	< 10	64	< 10	50
3253	94069407	0.40	585	1	< 0.01	17	550	28	0.01	6	2	17	0.05	< 10	< 10	49	< 10	54
3254	94069407	0.46	260	1	< 0.01	17	250	20	0.01	8	3	12	0.05	< 10	< 10	48	< 10	50
3255	94069407	0.44	250	< 1	< 0.01	18	380	20	0.01	4	3	18	0.05	< 10	< 10	47	< 10	50
3256	94069407	0.37	155	< 1	0.01	15	460	18	< 0.01	< 2	2	14	0.04	< 10	< 10	35	< 10	42
3257	94069407	0.38	150	1	< 0.01	14	300	10	< 0.01	8	3	13	0.05	< 10	< 10	39	< 10	40
3258	94069407	0.36	200	1	< 0.01	15	360	16	0.01	6	2	10	0.04	< 10	< 10	44	< 10	44
3259	94069407	0.38	320	2	< 0.01	16	570	26	0.01	6	1	15	0.03	< 10	< 10	40	< 10	46
3260	94069407	0.42	485	< 1	0.01	18	600	18	0.01	< 2	2	19	0.03	< 10	< 10	51	< 10	54
3261	94069407	0.39	185	2	< 0.01	15	350	16	< 0.01	10	3	11	0.04	< 10	< 10	37	< 10	40
3262	94069407	0.39	305	1	< 0.01	16	530	16	0.01	6	1	18	0.03	< 10	< 10	47	< 10	50

CERTIFICATION:  +

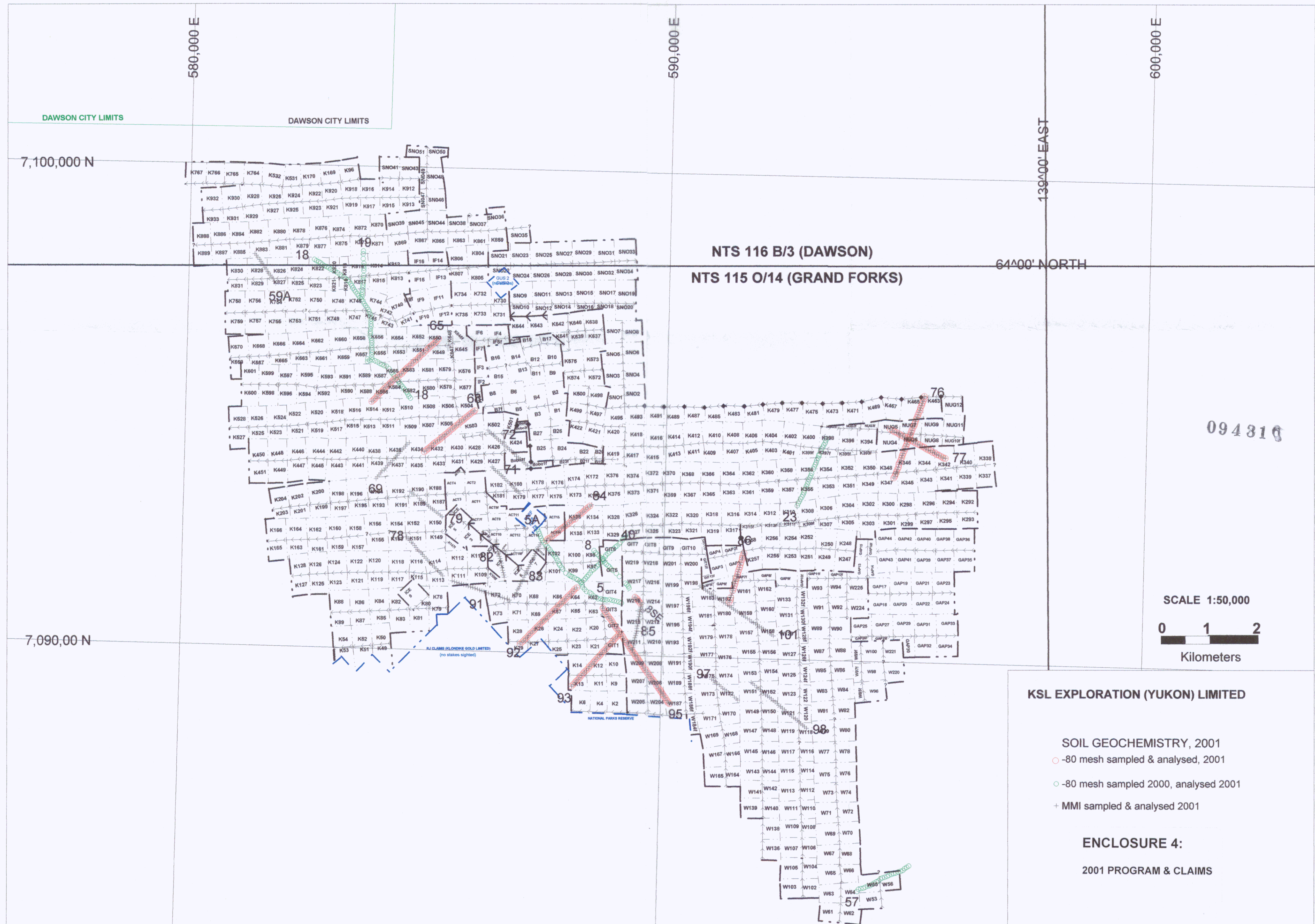


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ENCLOSURE 1:

NOVEMBER 2001

CLAIM MAP



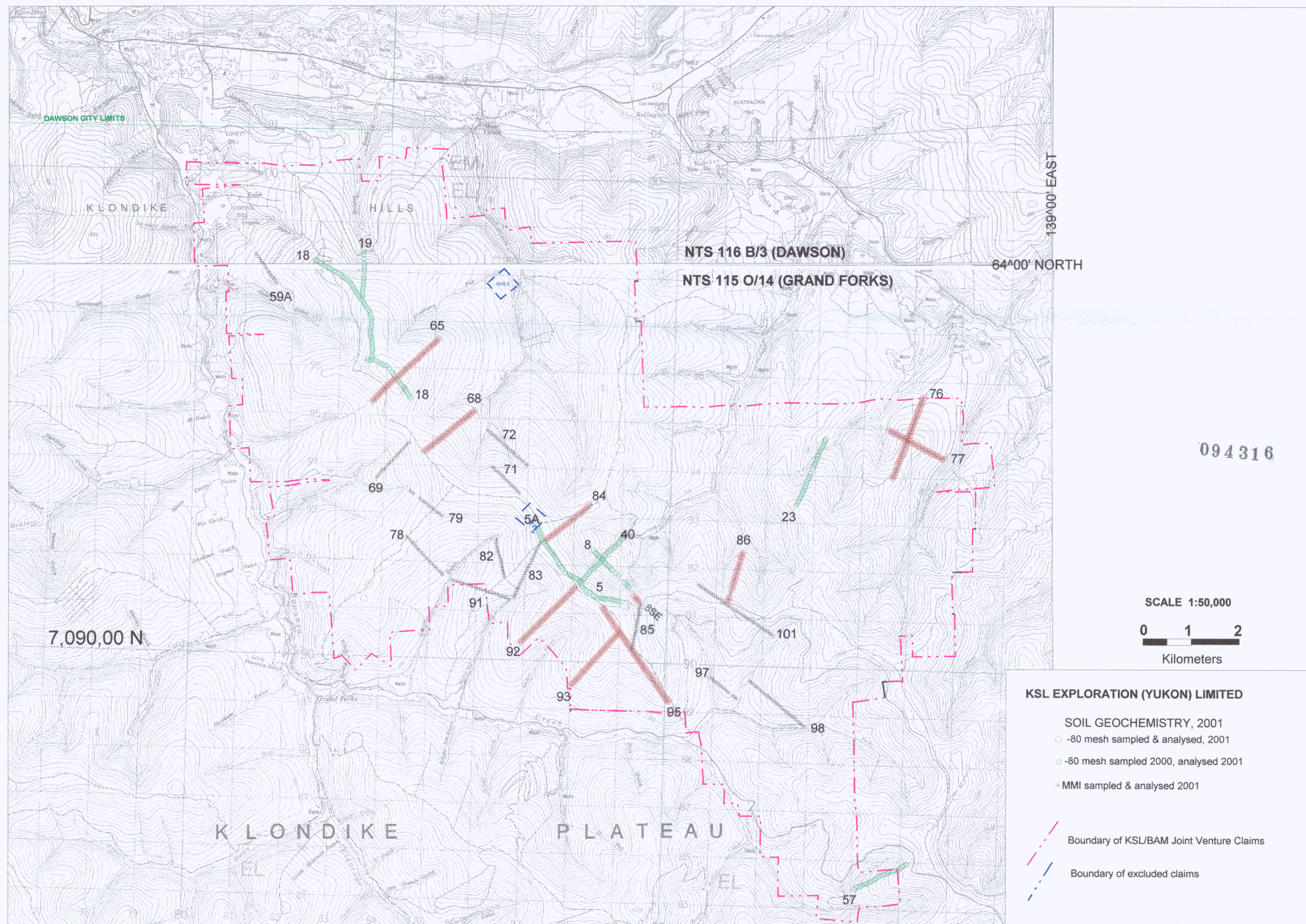
KSL EXPLORATION (YUKON) LIMITED

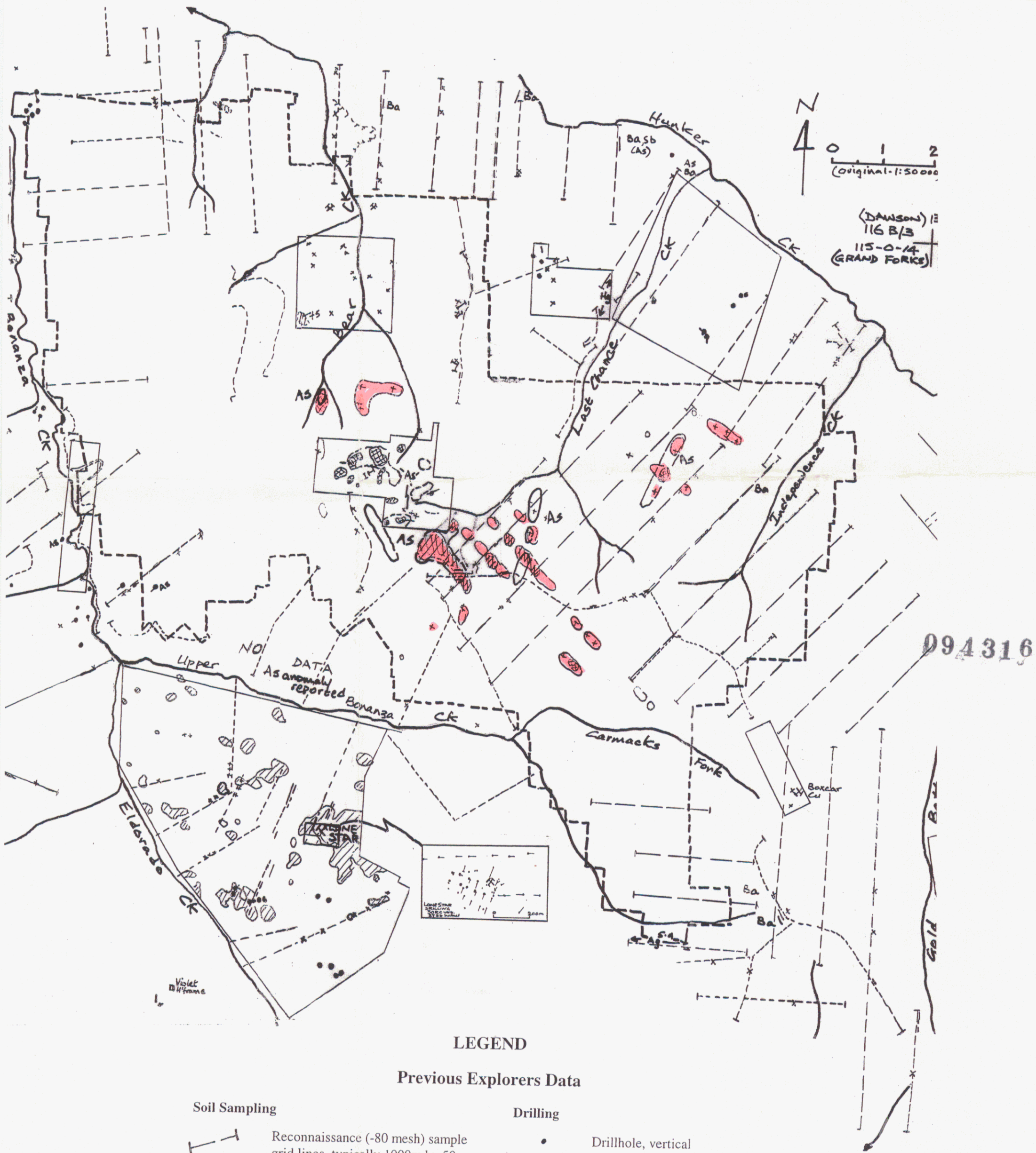
SOIL GEOCHEMISTRY, 2001

- -80 mesh sampled & analysed, 2001
- -80 mesh sampled 2000, analysed 2001
- + MMI sampled & analysed 2001

ENCLOSURE 4:

2001 PROGRAM & CLAIMS





LEGEND

Previous Explorers Data

Soil Sampling

- Reconnaissance (-80 mesh) sample grid lines, typically 1000m by 50m
- Boundary of detailed grids (100m by 25m)
- Trenches
- Isolated soil (+80 mesh) gold values +10 ppb
- More than one contiguous gold value at +10 ppb
- Contoured gold values at +10 ppb
- Anomalous silver and value in ppm
- Anomalous (+100 ppm) arsenic
- Anomalous (+1000 ppm) barium
- Copper mineralisation ("boxcar") only

Drilling

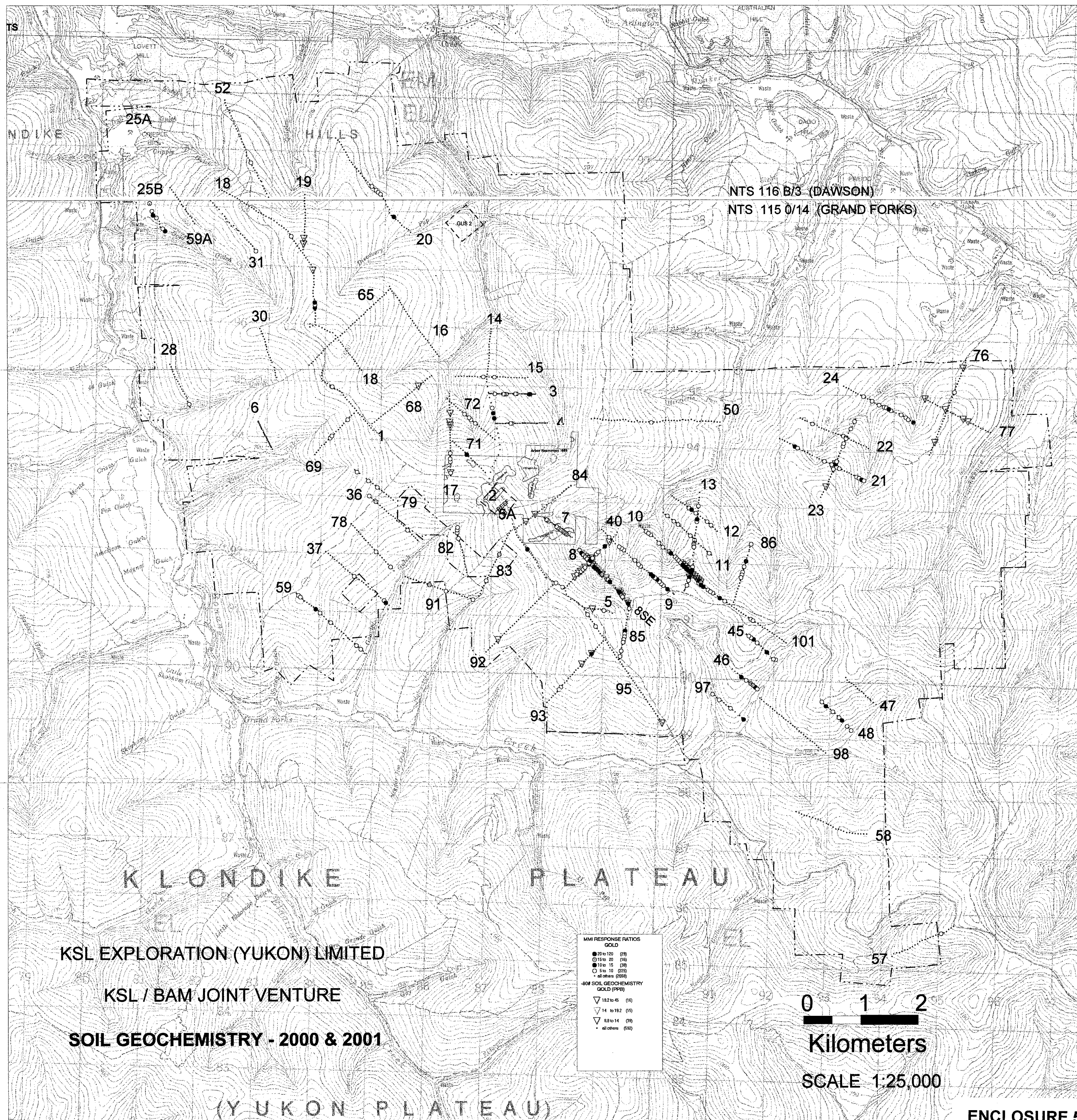
- Drillhole, vertical
- Drillhole, inclined with direction indicated
- Mercury anomaly
- Antimony anomaly

KSL Data

- Major gold (MMI & +80 mesh)
- Lesser spotty gold anomalies
- Arsenic anomalies
- Boundary of KSL Claim Block

ENCLOSURE 2:

PREVIOUS
EXPLORATION



ENCLOSURE 5:

SOIL GEOCHEMICAL
ANOMALIES, 2000 & 2001

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