

Klondike Source Ltd

ACN 087 595 980

ASSESSMENT REPORT

for Renewal of

**KLONDIKE, BEAR and WEDGE Claims, Bonanza Creek District,
NTS 115-O-14 and 116-B-03, Dawson Mining District**

June, 2001

by

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Prepared for: The Dawson Mining Recorder,
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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 \$ 78,400.

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



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EXECUTIVE SUMMARY

This report documents the results of an extensive, innovative Mobile Metal Ion (MMI) geochemical soil survey carried out between June and September 2000 in the northern half of the Klondike goldfield. The survey was located within the Klondike-Bear and Wedge claim blocks, an area of approximately 130 km². KSL field observations suggested that conventional -80 mesh soil sampling was unlikely to provide meaningful data because of the paucity of "B" horizon development in this region of immature soils. The dominant characteristic of soils of the Klondike Hills is the presence of an "A" horizon immediately below the moss blanket. Discussions with consultants of MMI Technology suggested this characteristic was probably well suited to MMI geochemistry.

Sample traverses were selected to cross the major structural geological features of the district. Including an initial "orientation-type" survey, a total of 1,216 soil samples were collected from the "A" horizon at 50 metre intervals. The orientation survey indicated that restricting analyses to the MMI Precious Metals Leach "B" for loosely held cations of Au, Ag, Ni & Pd would be cost effective. Comparative -80 mesh soil sampling was carried out on selected ridge line traverses where "B" soil horizons tend to be better developed.

The survey provided coherent gold and/or silver anomaly patterns over several major prospective structures. On traverses where comparative -80 mesh "B" horizon soil sampling was carried out, broad gold anomalies of 10 to 40 ppb are generally supportive of the more-confined MMI anomalies.

The removal in May 2000, of Selective Availability for the Global Positioning System (GPS) permitted a high level of accuracy (+/- 2m) in position fixing in terms of UTM coordinates. KSL made extensive use of hand-held GPS units to control geochemical survey traverses, and to locate claim stakes in the course of claim tagging. The latter work lead to the preparation of a detailed and accurate plan of the claims within the Klondike, Wedge & Bear Blocks.

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1 INTRODUCTION

1.1 Location and Tenements

This Assessment Report on the Klondike-Bear-Wedge claim blocks records work carried out in the 2000 field season and presents the results obtained.

The contiguous Klondike-Bear-Wedge claim blocks are located south west of Dawson City, in the Dawson Mining District, in the northern half of the Klondike Goldfield (Figure 1).

Table 1 is a Schedule of the claims that are the subject of the exploration work reported herein.

Enclosure 2 is a 1:50,000 scale plan of the claim boundaries which is based on a GPS survey by KSL of the claim posts (see Section 4).

1.2 Klondike Source-Barramundi Gold Joint Venture

Klondike Source Limited (KSL), an unlisted Australian public company, is the Operator of a joint venture with Barramundi Gold Limited (BAM), a Canadian company listed on the Canadian Stock Exchange. Operations are presently conducted by KSL under a Joint Venture Heads of Agreement which provides for KSL to earn an interest in the Klondike, Wedge and Bear claims that currently, are registered in the name of BAM.

1.3 Klondike Source Project

The Klondike Source Project (herein referred to as "The Project") consists of the KSL-BAM Joint Venture claims together with various other claim groups in the Klondike district that are held 100% by KSL.

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 2000 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).

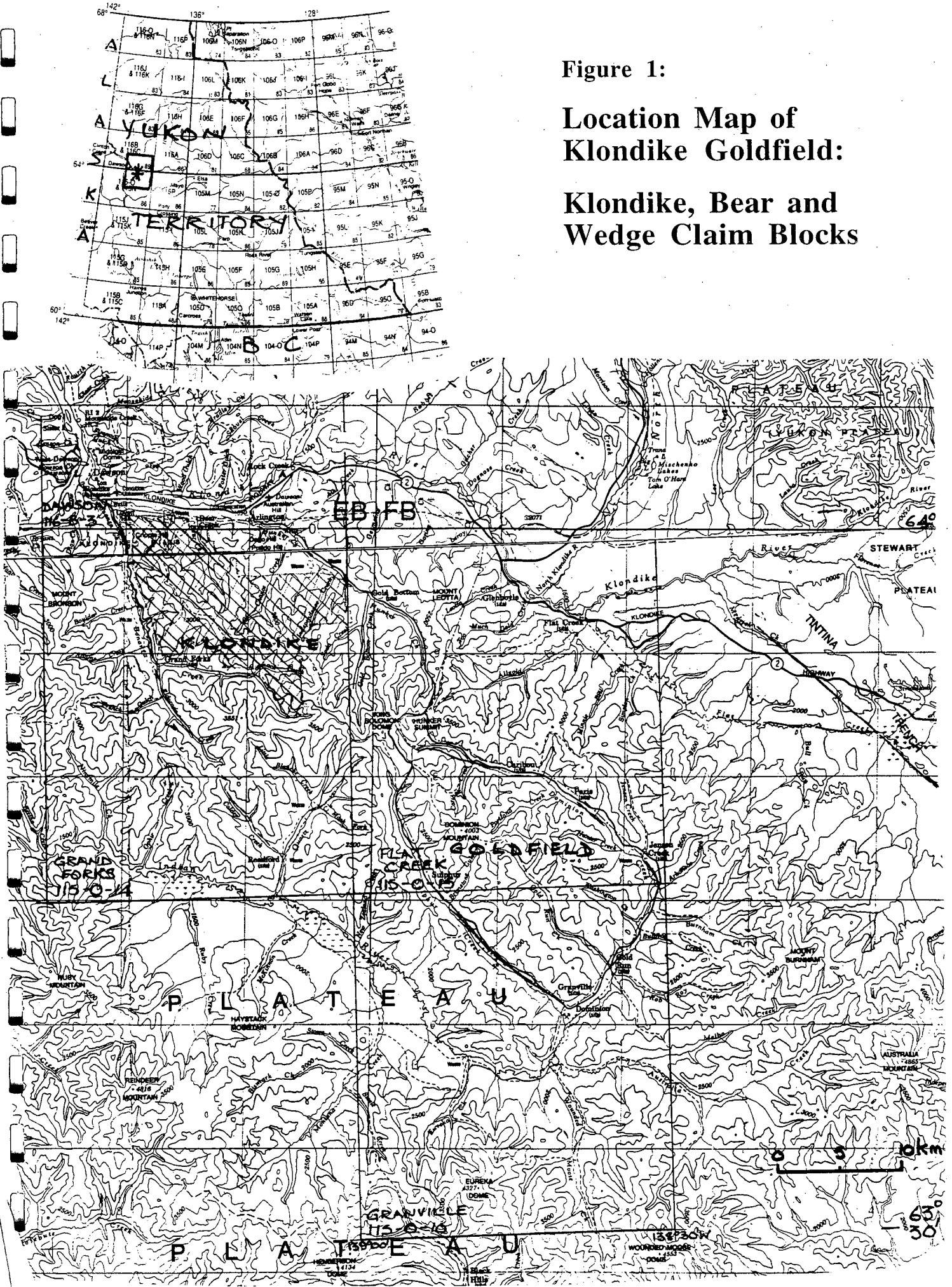
Currently, there is very limited data publicly available on previous gold exploration within the Klondike and Wedge claim groups. It is understood that on July 1, 2001, DIAND will place on open file a large amount of previous exploration data. It is believed this will include several major programs carried out in the late 1980's that were funded and managed by Kennecott.

The presently available exploration data includes a limited, shallow (60m) rotary drilling program on claims in the vicinity of Cripple Gulch on the right bank of lower Bonanza Creek. The program failed to confirm gold prospectivity or to indicate extensive epithermal alteration (Tomlinson, S. and Gonzalez, R., 1991).

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Figure 1:

Location Map of
Klondike Goldfield:
Klondike, Bear and
Wedge Claim Blocks



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TABLE 1
SCHEDULE OF CLAIMS

A. KLONDIKE CLAIMS — Sheet 115-O-14 (Includes BEAR and WEDGE claims)

Claim No.	Grant No.	No. of Claims	Expiry Date	Renewal Requested to
(a) Klondike Claims				
Klondike 2	YC 16217	1	7-Jun-2001	7-Jun-2002
Klondike 4	YC 16219	1	7-Jun-2001	7-Jun-2002
Klondike 6	YC 16221	1	7-Jun-2001	7-Jun-2002
Klondike 9 - 14	YC 16224 - YC 16229	6	7-Jun-2001	7-Jun-2002
Klondike 20 - 29	YC 16235- YC 16244	10	7-Jun-2001	7-Jun-2002
Klondike 47 - 54	YC 16262 - YC 16269	8	7-Jun-2001	7-Jun-2002
Klondike 62	YC 16277	1	7-Jun-2001	7-Jun-2003
Klondike 63	YC 16278	1	7-Jun-2001	7-Jun-2002
Klondike 64	YC 16279	1	7-Jun-2001	7-Jun-2003
Klondike 65 - 73	YC 16280 - YC 16288	9	7-Jun-2001	7-Jun-2002
Klondike 78 - 89	YC 16293 - YC 16304	12	7-Jun-2001	7-Jun-2002
Klondike 96	YC 16311	1	7-Jun-2001	7-Jun-2002
Klondike 97 - 98	YC 16312 — YC 16313	2	7-Jun-2001	7-Jun-2003
Klondike 99	YC 16314	1	7-Jun-2001	7-Jun-2002
Klondike 100	YC 16315	1	7-Jun-2001	7-Jun-2003
Klondike 101	YC 16316	1	7-Jun-2001	7-Jun-2002
Klondike 102	YC 16317	1	7-Jun-2001	7-Jun-2003
Klondike 103 - 106	YC 16318 — YC 16321	4	7-Jun-2001	7-Jun-2002
Klondike 109 - 128	YC 16324 - YC 16343	20	7-Jun-2001	7-Jun-2002
Klondike 133	YC 16348	1	7-Jun-2001	7-Jun-2003
Klondike 134	YC 16349	1	7-Jun-2001	7-Jun-2002
Klondike 135	YC 16350	1	7-Jun-2001	7-Jun-2003
Klondike 136 - 138	YC 16351 - YC 16353	3	7-Jun-2001	7-Jun-2002
Klondike 140	YC 16355	1	7-Jun-2001	7-Jun-2002
Klondike 145	YC 16360	1	7-Jun-2001	7-Jun-2002
Klondike 146 - 147	YC 16361 - YC 16362	2	7-Jun-2001	
Klondike 149 - 166	YC 16364 - YC 16381	18	7-Jun-2001	7-Jun-2002
Klondike 171 - 173	YC 16386 - YC 16388	3	7-Jun-2001	7-Jun-2002
Klondike 174	YC 16389	1	7-Jun-2001	7-Jun-2003
Klondike 175	YC 16390	1	7-Jun-2001	7-Jun-2002
Klondike 176 - 182	YC 16391 - YC 16397	7	7-Jun-2001	7-Jun-2003
Klondike 187 - 204	YC 16402 - YC 16419	18	7-Jun-2001	7-Jun-2002
Klondike 235 - 244	YC 16450 - YC 16459	10	7-Jun-2001	7-Jun-2002
Klondike 247 - 256	YC 16462 - YC 16471	10	7-Jun-2001	7-Jun-2002
Klondike 257 - 260	YC 16472 - YC 16475	4	7-Jun-2001	7-Jun-2003
Klondike 262	YC 16477	1	7-Jun-2001	7-Jun-2003
Klondike 264	YC 16479	1	7-Jun-2001	7-Jun-2003
Klondike 266	YC 16481	1	7-Jun-2001	7-Jun-2003
Klondike 268 - 269	YC 16483 - YC 16484	2	7-Jun-2001	7-Jun-2003
Klondike 292 - 305	YC 16507 - YC 16520	14	7-Jun-2001	7-Jun-2002
Klondike 306 - 310	YC 16521 - YC 16525	5	7-Jun-2001	7-Jun-2003
Klondike 311 - 315	YC 16526 - YC 16530	5	7-Jun-2001	7-Jun-2002

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TABLE 1 (continued)

Claim No.	Grant No.	No. of Claims	Expiry Date	Renewal Requested to
Klondike 316 – 323	YC 16531 – YC 16538	8	7-Jun-2001	7-Jun-2003
Klondike 324	YC 16539	1	7-Jun-2001	7-Jun-2002
Klondike 325	YC 16540	1	7-Jun-2001	7-Jun-2003
Klondike 326	YC 16541	1	7-Jun-2001	7-Jun-2002
Klondike 327	YC 16542	1	7-Jun-2001	7-Jun-2003
Klondike 328	YC 16543	1	7-Jun-2001	7-Jun-2002
Klondike 329	YC 16544	1	7-Jun-2001	7-Jun-2003
Klondike 337 – 351	YC 16552 – YC 16566	15	7-Jun-2001	7-Jun-2002
Klondike 352 – 353	YC 16567 – YC 16568	2	7-Jun-2001	7-Jun-2003
Klondike 354	YC 16569	1	7-Jun-2001	7-Jun-2002
Klondike 355 – 357	YC 16570 – YC 16572	3	7-Jun-2001	7-Jun-2003
Klondike 358 – 364	YC 16573 – YC 16579	7	7-Jun-2001	7-Jun-2002
Klondike 365	YC 16580	1	7-Jun-2001	7-Jun-2003
Klondike 366 – 376	YC 16581 – YC 16591	11	7-Jun-2001	7-Jun-2002
Klondike 384	YC 16598	1	7-Jun-2001	7-Jun-2002
Klondike 386	YC 16600	1	7-Jun-2001	7-Jun-2002
Klondike 388	YC 16602	1	7-Jun-2001	7-Jun-2002
Klondike 390	YC 16604	1	7-Jun-2001	7-Jun-2002
Klondike 392 – 393	YC 16606 – YC 16607	2	7-Jun-2001	7-Jun-2002
Klondike 394 – 397	YC 16608 – YC 16611	4	7-Jun-2001	7-Jun-2003
Klondike 398 – 422	YC 16612 – YC 16636	25	7-Jun-2001	7-Jun-2002
Klondike 424 – 427	YC 16638 – YC 16641	4	7-Jun-2001	7-Jun-2003
Klondike 428 – 451	YC 16642 – YC 16665	24	7-Jun-2001	7-Jun-2002
Klondike 463 – 495 (odd nos. only)	YC 16677 – YC 16709 (odd nos. only)	17	7-Jun-2001	7-Jun-2002
Klondike 497 – 528	YC 16711- YC 16742	32	7-Jun-2001	7-Jun-2002
Klondike 572 – 601	YC 16786 – YC 16815	30	7-Jun-2001	7-Jun-2002
Klondike 637 – 670	YC 16851 – YC 16884	34	7-Jun-2001	7-Jun-2002
(b) Bear Claims				
Bear 1 – 7	YC 20011- YC 20017	7	16-Jun-2001	16-Jun-2003
Bear 8	YC 20018	1	16-Jun-2001	16-Jun-2002
Bear 9	YC 20019	1	16-Jun-2001	16-Jun-2003
Bear 10	YC 20020	1	16-Jun-2001	16-Jun-2002
Bear 11 – 13	YC 20021- YC 20023	3	16-Jun-2001	16-Jun-2003
Bear 14 – 18	YC 20024- YC 20028	5	16-Jun-2001	16-Jun-2002
Bear 19	YC 20029	1	16-Jun-2001	16-Jun-2003
Bear 20	YC 20030	1	16-Jun-2001	16-Jun-2002
Bear 21	YC 20031	1	16-Jun-2001	16-Jun-2003
Bear 22	YC 20032	1	16-Jun-2001	16-Jun-2002
Bear 23	YC 20033	1	16-Jun-2001	16-Jun-2003
Bear 24	YC 20034	1	16-Jun-2001	16-Jun-2002
Bear 25	YC 20035	1	16-Jun-2001	16-Jun-2003
Bear 26	YC 20036	1	16-Jun-2001	16-Jun-2002
Bear 27	YC 20037	1	16-Jun-2001	16-Jun-2003
TOTAL		450		

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TABLE 1 (continued)

Claim No.	Grant No.	No. of Claims	Expiry Date	Renewal Requested to
Wedge 53-56 Incl.	(YC15957-YC15960)	4	3 Feb 2001	03 Feb 2002
Wedge 61-90 incl.	(YC15965-YC15994)	30	3 Feb 2001	03 Feb 2002
Wedge 91-94 incl.	(YC15995-YC15998)	4	3 Feb 2001	03 Aug 2002
Wedge 95	(YC15999)	1	3 Feb 2001	03 Feb 2002
Wedge 96	(YC16000)	1	3 Feb 2001	03 Feb 2002
Wedge 97-100 incl.	(YC16001-YC16004)	4	3 Feb 2001	03 Feb 2002
Wedge 102-127 incl.	(YC16006-YC16031)	26	3 Feb 2001	03 Feb 2002
Wedge 128	(YC16032)	1	3 Feb 2001	03 Aug 2002
Wedge 129	(YC16033)	1	3 Feb 2001	03 Feb 2002
Wedge 130-133 incl.	(YC16034-YC16037)	4	3 Feb 2001	03 Aug 2002
Wedge 136	(YC16040)	1	3 Feb 2001	03 Feb 2002
Wedge 138-158 incl.	(YC16042-YC16062)	21	3 Feb 2001	03 Feb 2002
Wedge 159-162 incl.	(YC16063-YC16066)	4	3 Feb 2001	03 Aug 2002
Wedge 163-164 incl.	(YC16067-YC16068)	2	3 Feb 2001	03 Feb 2002
Wedge 165	(YC16069)	1	3 Feb 2001	03 Feb 2002
Wedge 166-172 incl.	(YC16070-YC16076)	7	3 Feb 2001	03 Feb 2002
Wedge 173	(YC16077)	1	3 Feb 2001	03 Aug 2002
Wedge 174	(YC16078)	1	3 Feb 2001	03 Feb 2002
Wedge 175	(YC16079)	1	3 Feb 2001	03 Aug 2002
Wedge 176	(YC16080)	1	3 Feb 2001	03 Feb 2002
Wedge 177-184 incl.	(YC16081-YC16088)	8	3 Feb 2001	03 Aug 2002
Wedge 186-201 incl.	(YC16090-YC16105)	16	3 Feb 2001	03 Aug 2002
Wedge 204-219 incl.	(YC16108-YC16123)	16	3 Feb 2001	03 Aug 2002
Wedge 220 & 221	(YC16124 & YC16125)	2	3 Feb 2001	03 Feb 2002
Wedge 224-229 incl.	(YC16128-YC16133)	6	3 Feb 2001	03 Aug 2002

B. KLONDIKE CLAIMS — Sheet 116-B-03

Claim No.	Grant No.	No. of Claims	Expiry Date	Renewal to
Klondike 169 – 170	YC16384 – YC16385	2	7-Jun-2001	7-Jun-2002
Klondike 531 – 532	YC16745 – YC16746	2	7-Jun-2001	7-Jun-2002
Klondike 730 – 735	YC16944 – YC16949	6	7-Jun-2001	7-Jun-2002
Klondike 740 – 759	YC16954 – YC16973	20	7-Jun-2001	7-Jun-2002
Klondike 764 – 767	YC16978 – YC16981	4	7-Jun-2001	7-Jun-2002
Klondike 804 – 807	YC17018 – YC17021	4	7-Jun-2001	7-Jun-2002
Klondike 812 – 831	YC17026 – YC17045	20	7-Jun-2001	7-Jun-2002
Klondike 859	YC17069	1	7-Jun-2001	7-Jun-2002
Klondike 861	YC17071	1	7-Jun-2001	7-Jun-2002
Klondike 863	YC17073	1	7-Jun-2001	7-Jun-2002
Klondike 865	YC17075	1	7-Jun-2001	7-Jun-2002
Klondike 867	YC17077	1	7-Jun-2001	7-Jun-2002
Klondike 869 – 889	YC17079 – YC17099	21	7-Jun-2001	7-Jun-2002
Klondike 912 – 933	YC17121 – YC 17142	22	7-Jun-2001	7-Jun-2002
TOTAL		106		

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A grid soil geochemical survey around the confluence of Bear and Lindow Creeks provided spotty gold, barite and arsenic anomalies. Follow-up trenching provided no evidence for the existence of significant mineralised zones (Coutts and Ouellette, 1986).

The majority of available open file exploration reports provide only cursory reviews of the geology of the Klondike Schist and the Yukon-Tanana terrane. Overall, these reports have drawn negative conclusions on the prospectivity of the district for substantial hard rock gold mineralisation.

2.2 Project Exploration Concepts and Program

During 1999, KSL defined a structural geological framework of the Klondike district using airphoto interpretation and structural and lithologic field mapping (Adamson et al, 2000). This work defined the major structural elements in the Klondike Schist as follows:

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

This style of structural framework is considered favourable for the development of sub-horizontal mineralised structures having similar attitude and geometry to the Liese gold lodes of the Pogo deposit, in the westerly continuation of the Yukon-Tanana terrane in Alaska. The "footprint" of the Pogo deposit is of substantial size, in the order of at least 1 km² plan dimensions.

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

2.3 Project Reports

The geochemical and geological survey work described in this report follows through on the district-scale geological and structural studies previously reported by KSL (Adamson et al, 2000).

A comprehensive, independent geologist's technical report on the Klondike Source Project was commissioned in early 2001 by KSL for a Prospectus for an Initial Public Offering and Application for Listing of the Company on the Australian Stock Exchange. This report by Roy Cox & Associates is presented as Appendix I; it contains a comprehensive bibliography pertaining to the exploration geology of the Klondike district and region.

3 2000 GEOCHEMISTRY FIELD PROGRAM

3.1 Outline and Scope of Soil Geochemical Survey

Arising from the 1999 structural studies, a number of areas within the Klondike-Wedge claims were selected as likely to have potential for sub-horizontal structures. These areas were

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designated as targets for the 2000 field season with the objective of using geochemistry to seek evidence of gold mineralisation associated with the structures.

During June–September 2000, KSL carried out 38 soil geochemical sample traverses within the Klondike-Bear-Wedge claims collecting samples at a total of approximately 1,220 sites. In most cases, traverses were oriented NW-SE, normal to the strike of the major NW-dipping thrusts provisionally interpreted as structures related to mid-Cretaceous Tintina Gold Belt gold mineralisation. Within major target areas, traverses generally were spaced at 500m intervals. Line spacings of approximately 1,000m was used for reconnaissance along structures of district-wide extent.

3.2 Methodology

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

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

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

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

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

The method has been treated with some reservation in Australia where -80 mesh B horizon sampling is an accepted and effective method in deeply leached and lateritised terrains. However, in

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northern Europe, including permafrost terrain in Scandinavia, various MMI orientation surveys over known mineralisation have provided convincing evidence of its capabilities. That evidence, together with the A horizon sampling methodology suggested to KSL that MMI soil geochemistry could be particularly effectively in the prevailing soil conditions of the Klondike Goldfield.

3.3 MMI Orientation Program

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

Dr Russell Birrell, the Managing Director of MMI Technology Pty Ltd, Perth, Western Australia was engaged as MMI consultant. Training of KSL staff and employees in MMI sampling techniques and field supervision of the initial "orientation-type" geochemical sampling was conducted by Dr Birrell. A total of 213 samples (seven traverses 1 to 7, see Enclosure 1) were taken in A horizon soils at 15 to 20 cm below base of moss blanket. A mattock was used to chop a small opening in the moss blanket and to make a shallow excavation in the underlying A horizon soil. Sample intervals of 25m, 50m and 100m were trialled. Samples of approximately 250g mass were airfreighted to Toronto, Ontario for MMI analyses by XRAL Laboratories.

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

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

The results of the orientation survey are presented and discussed in Appendix III. Valid anomalies for gold and silver were identified on some traverses. The principal conclusions from this survey were:

- (a) An area of potential gold exploration interest was indicated by Traverses 2, 3 & 4
- (b) At least one traverse (Traverse 6) appeared clearly negative for gold and silver mineralisation
- (c) Results elsewhere were less clear cut – usual for geochemical surveys.
- (d) 50m sampling will reasonably define areas of interpretative/exploration interest; 100 to 200m sampling may suffice for regional reconnaissance.
- (e) Digests and analytical schemes could be reduced to:

Digest B (Au Ag Ni Co)

Digest F (As Se Te Bi)

3.4 MMI and -80 Mesh Soil Geochemical Sampling Program

3.4.1 Design and Location of Survey

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

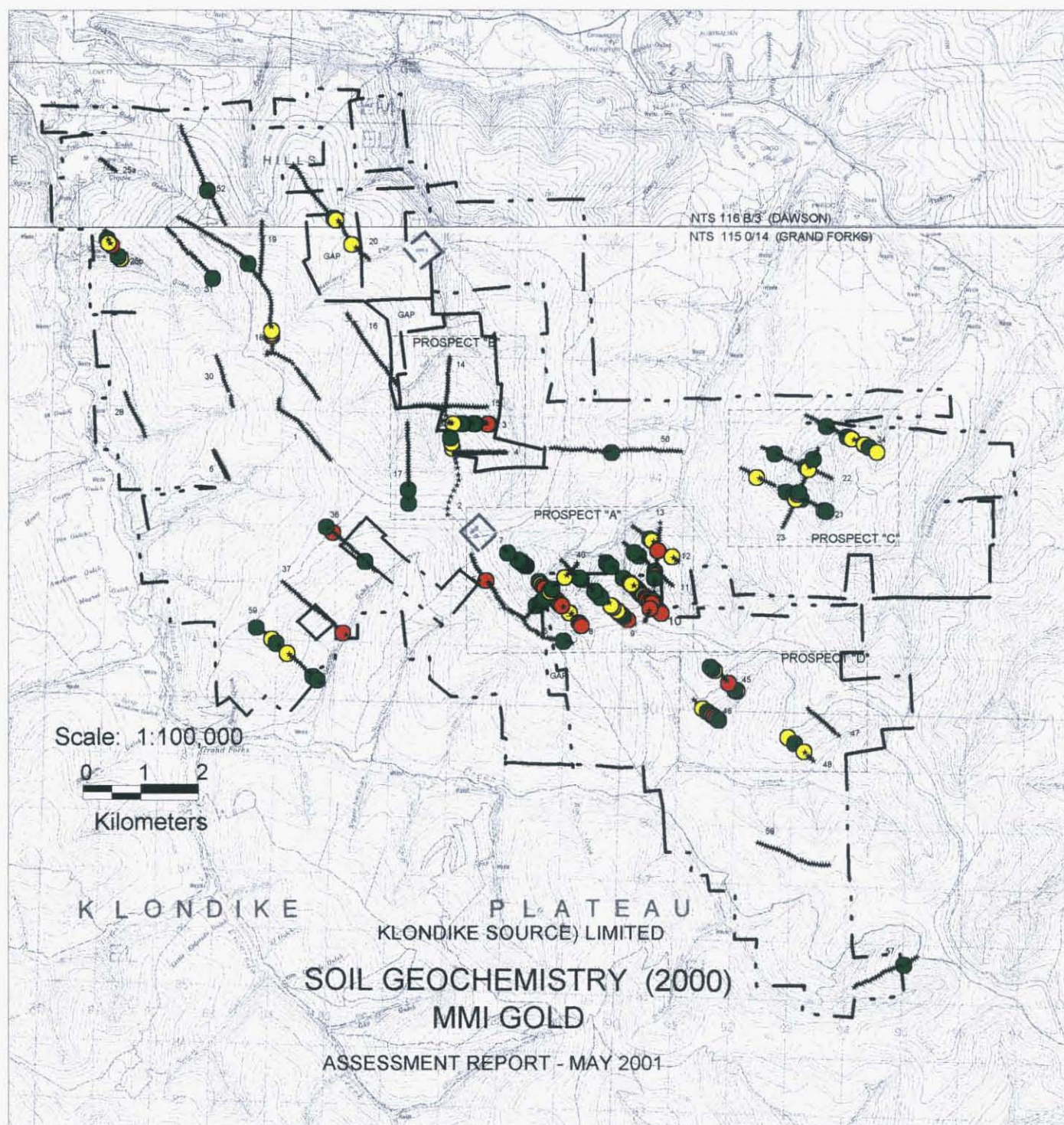


Figure 2

GOLD - MMI RESPONSE RATIOS
Regional Statistics: Mean=3, SD=6

- 15 to 105 (33)
- 9 to 15 (41)
- 6 to 9 (82)
- * all others (1325)

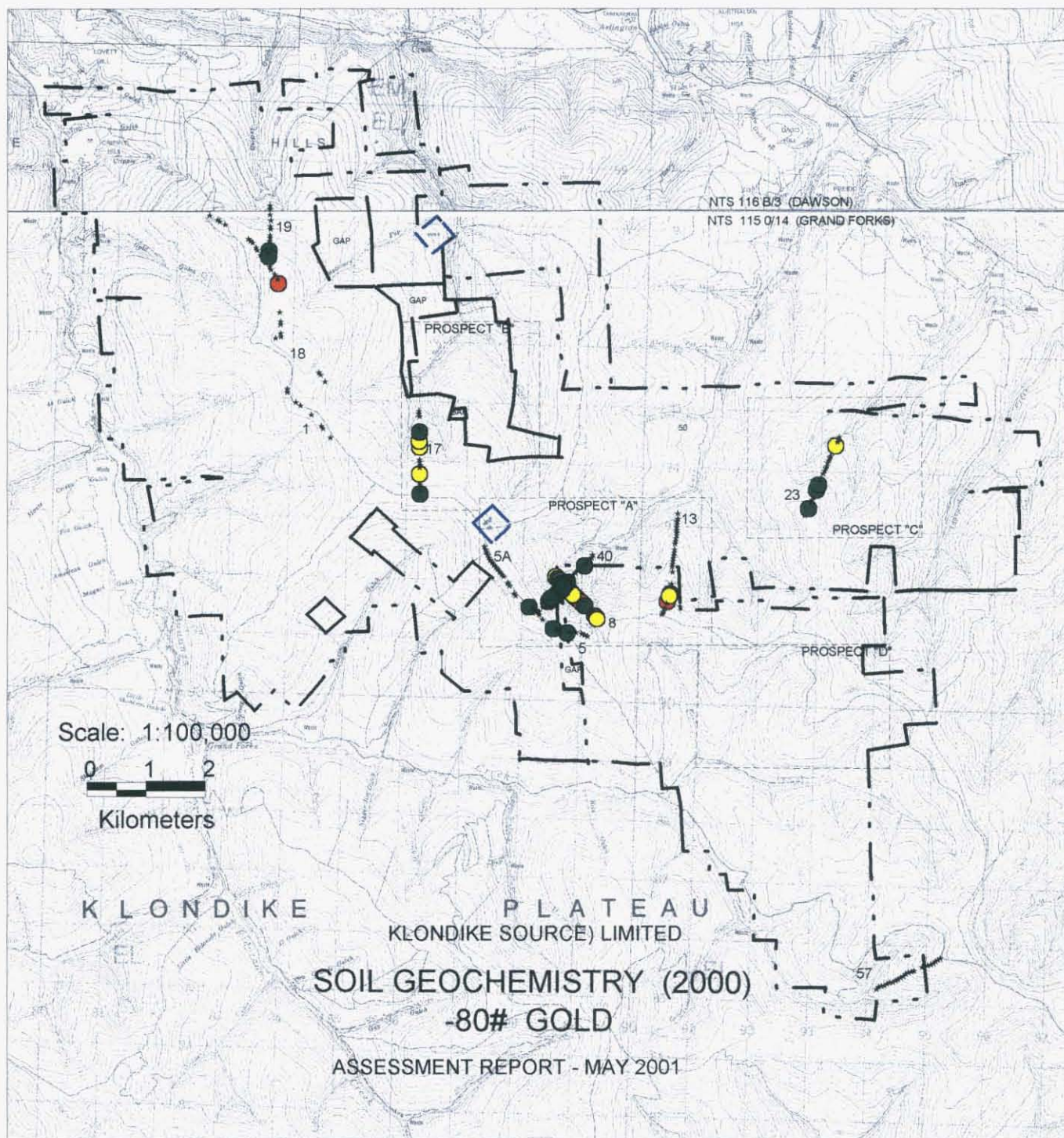
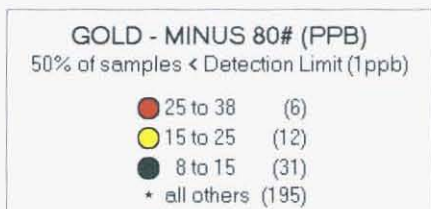


Figure 3



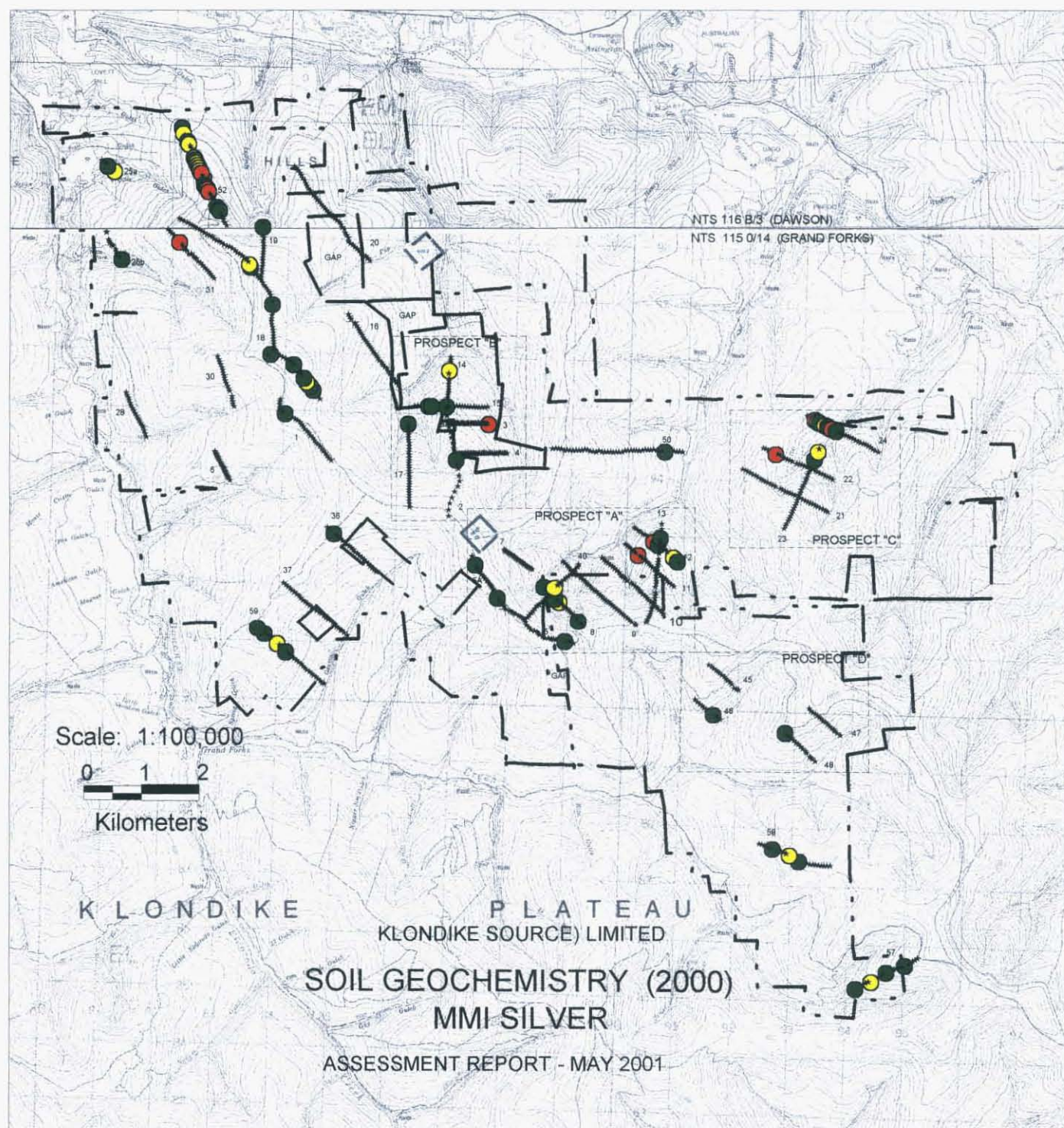


Figure 4

SILVER - MMI RESPONSE RATIOS
Regional Statistics: Mean=6, SD=15

- 36 to 450 (20)
- 21 to 36 (38)
- 13 to 21 (76)
- all others (1337)

Klondike Source Ltd

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

Enclosure 1 shows the location at 1:25,000 scale of all traverse lines (including "orientation-type" traverses) that were sampled during the 2000 field season. Also displayed are the location of Klondike-Bear-Wedge claim boundaries as determined by GPS survey of tagged claim posts.

3.4.2 Survey Procedures

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

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

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

Field log sheets were utilised to record sample identity together with potentially relevant data on topography, soil conditions and identified rock fragments. All data was entered to a Soil 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 (Appendices V & VI) 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 IV) and a digital copy is presented as LEDGER00.XLS (Excel 97 Workbook) on the diskette in Appendix VII.

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3.4.3 MMI Data Presentation

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

MMI Technology recommend use of response ratios to:

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

Determining the Background:

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

Calculating MMI Response Ratios:

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

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

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

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

Cobalt, nickel and palladium (Composite bar charts)

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

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

3.4.4 -80 mesh Soil Gold Data Presentation

No manipulation of this limited dataset was undertaken.

Raw ppb gold values are presented as bar charts to facilitate simple visual comparison with the MMI gold and silver bar chart for the same traverse. These -80 mesh gold plots are incorporated

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in file TRPLOT.PDF (Appendix VII), immediately following the MMI gold & silver plot for the same traverse.

4 GPS SURVEY OF CLAIMS

As previously noted (Section 3.3.2) May, 2000 brought a fundamental improvement in the accuracy of fixes available to the public via the US Global Positioning System.

KSL carried out an initial GPS survey to define the boundary of the KLONDIKE and WEDGE claim blocks. For several reasons, it became clear that the official Mining Records Office maps at 1:31,680 scale (2 inch = 1 mile) did not provide a fair or accurate representation of the extent of the large Klondike claim block.

Field operations during the 2000 field season enabled KSL to tag almost all the KLONDIKE and WEDGE claims at that time. As each claim post was located and tagged, its position in UTM coordinates was digitally recorded to an accuracy of approximately +/- 2m by hand held GPS survey instruments.

GPS data (UTM coordinates of identified and tagged claim posts) was downloaded to Excel files and imported to MapInfo tables for plotting onto NTS map sheet raster images. Claim boundaries were then manually drawn to conform so far as is possible with the staking procedures of the Yukon Quartz Mining Act and regulations.

The result of these surveys is shown on Enclosures 1 and 2. It should be noted that the NTS 1:50,000 scale maps have been used as a base for these survey plots because these are standard metric scale maps which display the UTM metric grid. Given the high level of accuracy now available by GPS, the UTM grid is the most convenient and precise topographic base on which to plot this data. The NTS 1:50,000 maps are also more recent (late 1980's) and have accurate contour intervals etc, compared with the imperial-scale maps currently used by the Mining Recorder's Office.

REFERENCES

- Adamson, R.G. and Thomas, C.M., 2000: Assessment Report, Klondike and Wedge Claim Blocks, Dawson Mining District. Unpub. report prepared for the Dawson Mining Recorder, Dawson City, Yukon Territory by Klondike Source Limited.
- Coutts, A. and Ouellette, D.: 1986 Report on the Geological Mapping, Geochemical Sampling and Trenching Program on the Bear Creek Property, June to September, 1986. Klondike Area, Dawson Mining District, NTS 115-O-14, Yukon Territory. (Microfiche 091900), Unpub. report prepared by United Keno Hill Mines Limited.
- Mortensen, J.K., 1984: Assessment Report on Klot 1-8 Claims, Dawson Mining District, NTS 115-O-14 and 116-B-03 (Microfiche 091563). Unpub. Report prepared by Archer, Cathro and Assocs.
- Tomlinson, S., and Gonzalez, R., 1991: Geological and Geochemical Report on the Trail Hill Property, Dawson Mining District, Yukon. Assessment Report Trail Hill, NTS 116B/3. Unpub. report prepared by Hastings Management Corp. for Arbor Resources Inc.

KLONDIKE - BEAR - WEDGE CLAIM GROUPS

Expenditure Statement

1 Field exploration surveys

(geology, geochemistry, GPS: 3 June 2000 to 30 September 2000)

1.1 Personnel

57 team days

P. Ledwidge, Geologist	@ \$300 per day	\$17,100	
Field Assistant	@ \$225 per day	\$12,825	

MMI Orientation consultant (Dr R Birrell)

6 days	@ \$725 per day	\$4,350	

Planning & supervision (R G Adamson/C M Thomas)

18 days	@ \$700 per day	\$12,600	<u>\$46,875</u>

1.2 Expenses

Analytical costs	\$28,072	
Sample storage	\$374	
Freight	\$2,005	
Maps	\$316	
Office supplies	\$673	
Computer rent	\$120	
Insurance	\$1,161	
Payroll	\$626	
Field equipment	\$858	
Communications (telephone/fax)	\$1,368	
Accommodation / office rent	\$1,920	
Vehicle hire	\$9,214	
Fuel	\$1,101	<u>\$47,808</u>

2 Data Interpretation; Report compilation

2.1 Professional costs

8 days	@ \$700 per day	\$5,600	

2.2 Expenses

Photocopying, plan printing	\$250	<u>\$5,850</u>	

TOTAL:

\$100,533

Klondike Source Ltd

AUTHORS' PROFESSIONAL STATEMENTS

Robert G Adamson *MSc(Hons) MAusIMM MMICA CPGeo*
Consulting Economic Geologist

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Telephone +61 2 9489 8217 Facsimile +61 2 9489 0914
Cellphone & Voicemail +61 402 073 609 E-mail adamsonr@ozemail.com.au

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

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

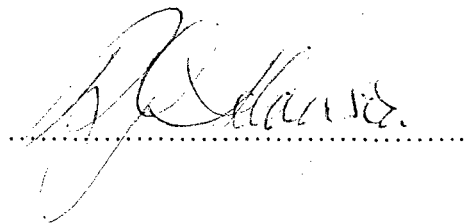
I hold the degrees of BSc and MSc (First Class Honours in Geology).

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

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

8 June, 2001

Signed



Klondike Source Ltd

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

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

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

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

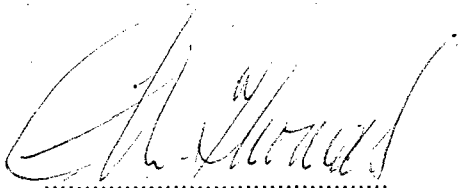
I graduated with 2nd Class (Div.1) Honours in Geology from the University of St Andrews, Scotland in 1960.

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

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

I am a founding Director of Klondike Source Limited.

Signed



C M Thomas

June 8, 2001

KLONDIKE - BEAR - WEDGE CLAIM GROUPS

Expenditure Statement

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(geology, geochemistry, GPS: 3 June 2000 to 30 September 2000)

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TOTAL:

\$100,533

APPENDIX I

**Independent Report
for a Prospectus on the Klondike Source Project
for Klondike Source Limited**



Roy Cox & Associates

(A.B.N. 25.473.849.057)

Pty. Limited

1 Brigalow Place, Westleigh, NSW 2120, Australia

Telephone +61 2 9484 7729; Fax +61 2 9484 4317

E-mail address: roycoc@optusnet.com.au

19 February 2001

The Directors
 Klondike Source Limited
 Level 11, 80 Arthur Street
 North Sydney NSW 2060
 Australia

Dear Sirs,

Independent Geologist's Report

This Report has been prepared for inclusion in a Prospectus to be dated on or about 9th April 2001 by Klondike Source Limited ("KSL") for the purpose of offering for subscription 25,000,000 Shares at an issue price of 20 cents each.

EXECUTIVE SUMMARY

Klondike Source Limited is proposing to raise A\$5 million to finance its exploration for large primary gold deposits in the Klondike Goldfield, in Canada's Yukon Territory. The primary source(s) of the Goldfield's recorded production of 12.2 million ounces gold (recovered almost entirely from alluvial deposits) has never been discovered.

Since 1999 the Company's experienced field geologists have undertaken a re-interpretation of the geology of the Goldfield, conducting their own geological mapping and making full use of all available topographic, geological, remote sensing, geochemical and geophysical data. This work has led to the development of realistic models for the primary gold deposits which sourced the rich alluvials. This interpretation has been used to identify prospective areas for primary gold mineralisation and to acquire exploration tenements over these target areas.

Over the past two field seasons (1999 and 2000) the Company has undertaken geological mapping and geochemical soil surveys. These surveys have identified several prospective targets with potential for hosting large tonnage, primary gold mineralisation. Klondike Source Limited now proposes to test those prospects having the most significant gold geochemical soil anomalies and favourable geological characteristics by diamond drilling to define the nature of the primary gold mineralisation and delineate its subsurface extent.

Roy Cox & Associates Pty. Limited considers that the Company's geological interpretation, exploration concept and strategy, together with its proposed work programs, are technically sound, pragmatic, well focused and conform to best industry practice. The proposed exploration budgets are considered to be realistic and cost-effective. They focus clearly on achieving the Company's stated objectives in a timely manner.

The Company's carefully selected exploration tenements are considered to be prospective for hosting large primary gold deposits. Potential investors should, however, be fully aware that gold exploration is a high-risk venture where the potential for substantial rewards has to be carefully weighed against the risks involved. It is not possible for Roy Cox & Associates Pty. Limited to quantify these risks for the potential investor in the Company's Klondike exploration project.

TERMS OF REFERENCE

The terms of reference for the preparation of this Independent Geologist's Report by Roy Cox & Associates Pty. Limited ("RCA") are to:

5. INDEPENDENT GEOLOGIST'S REPORT

- Review and evaluate all technical data available to KSL on the Klondike Goldfield, particularly on its exploration tenements, both published and unpublished, and including the results of newly acquired geological, geochemical, geophysical and remote sensing data, together with the Company's interpretations thereof.
- Critically assess the technical basis of KSL's exploration concept for primary gold deposits in the Klondike Goldfield.
- Review and assess KSL's exploration strategy, technical programs and budgets proposed to test these concepts.
- Express an independent opinion on the technical merits, exploration potential and risks involved.

This Report has been prepared in conformity with the requirements of the ASX and the VALMIN Code of the Australasian Institute of Mining & Metallurgy. However, with respect to the VALMIN Code, it should be noted that RCA has not undertaken a specific field examination of KSL's exploration interests in the Klondike Goldfield because RCA's Principal Consultant has had professional working experience in the Canadian Cordillera and is familiar with the Klondike district. Furthermore, KSL's exploration is at an early stage with only geological mapping and geochemical sampling completed to date. There are no mineralised outcrops or drill core to inspect at this stage so a site visit was not considered to be warranted. RCA is satisfied that there is sufficient current information available to allow an informed appraisal to be made without a site inspection.

It should be noted that the Australasian Code for Reporting Mineral Resources and Ore Reserves (JORC Code) is not directly relevant in this Prospectus because KSL is an exploration company in the early phase of exploration and does not have Mineral Resources to report at this stage. Furthermore, resource figures quoted for other gold deposits and mines in this Report are those widely quoted in North American publications. Such figures may not conform to the JORC Code but they are largely derived from mining company sources and, as such, can be considered reasonably reliable. However, it should be noted that references to past alluvial production refer to unrefined gold ("crude ounces"), sources of which have a range of 550 to 950 fineness (i.e. 55% to 95% pure gold).

INTRODUCTION

Project Location

KSL's exploration tenements are located within the Klondike Goldfield, in the central western part of the Yukon Territory, Canada (Figure 1). The Klondike Goldfield, covering approximately 1,000 km² (an area measuring about 50 km by 20 km), is located to the immediate southeast of Dawson City (latitude 64°03'N, longitude 139°20'W), some 280 km south of the Arctic Circle and 536 km (by road) north of Whitehorse, the capital of the Yukon Territory.

The historic town of Dawson City, at the confluence of the Yukon and Klondike rivers, was the centre for the famous Klondike gold rush at the end of the 19th Century. Dawson City is now readily accessible year round by sealed road (the Klondike Highway from Whitehorse) and by air (from Vancouver via Whitehorse). It has good infrastructure including electricity, water, sewerage, telecommunications, Government services, etc.). The district has a permanent population of about 2,000 people that at least doubles during the summer tourist season (May through September).

The Klondike Goldfield is centrally located in the Tintina Gold Belt (Figure 1), which extends from Fairbanks (Alaska) for over 1,000 km southeastwards to central Yukon (southeast of Dawson City). In the Yukon, the Tintina Gold Belt hosts the Brewery Creek gold mine located some 50 km northeast of the Klondike Goldfield. In Alaska, the Tintina Gold Belt includes the famous Fairbanks alluvial goldfield, with 7.65 million ounces gold production, as well as important primary gold deposits at Fort Knox, Far North and the newly discovered major deposit (5.2 million ounces gold "geological resource") at Pogo, approximately 300 km westnorthwest of the Klondike Goldfield.

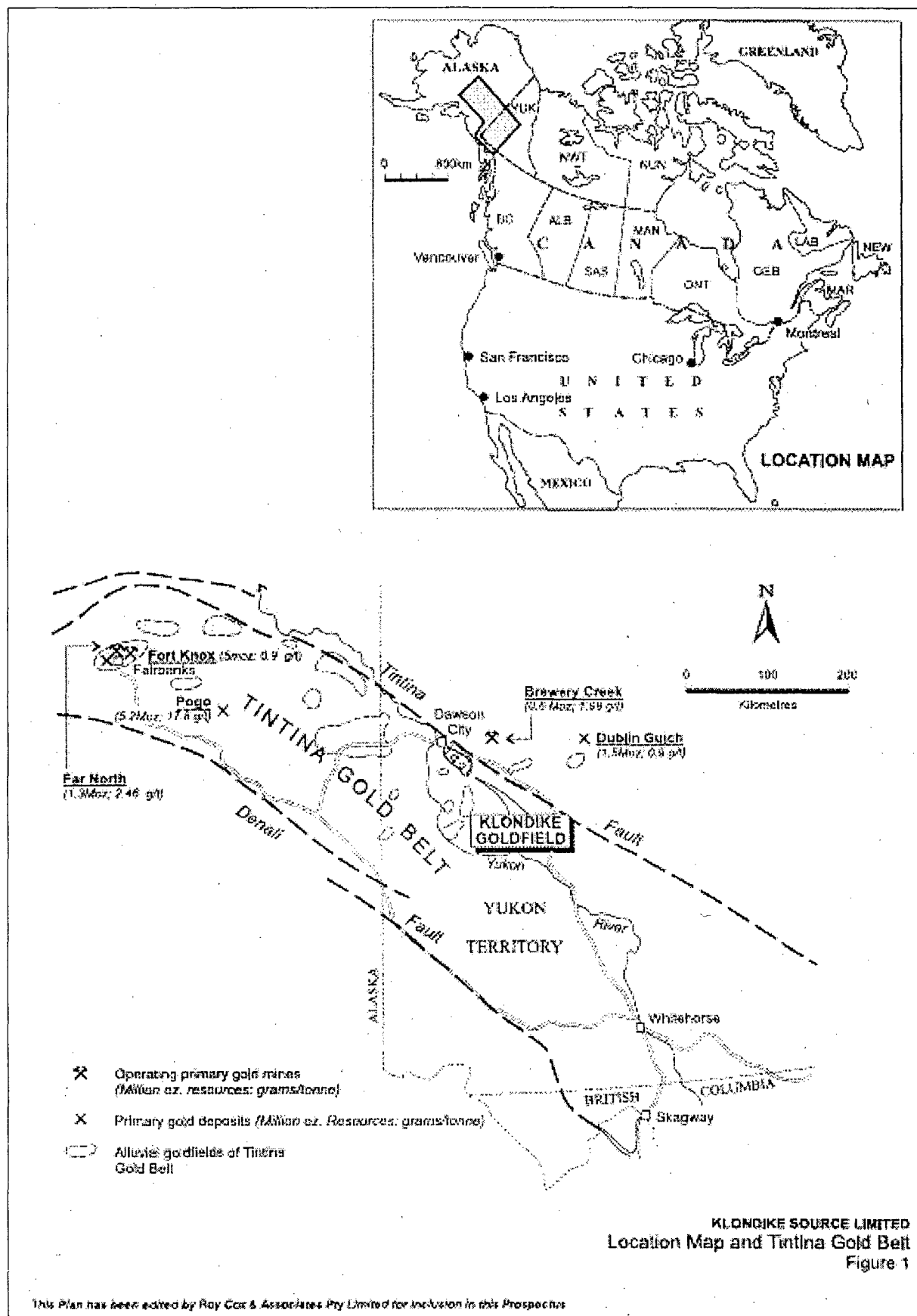
Topography & Climate

The Dawson district is a well-dissected upland plateau with elevations ranging from less than 350 m to over 1,200 m above sea level. It is characterised by rounded hills and numerous rivers and creeks. The district's hillsides were clear-felled during the gold rush such that present-day vegetation comprises second-growth scrub forest. Below the tree line (at approximately 1,100 m above sea level) bedrock is blanketed by moss, locally up to 0.5 m thick.

The area has a typical northern continental climate, with low annual precipitation and a wide range of temperatures. Summers are short and warm whilst the winters are long and extremely cold.

The district is exceptional in Canada, having escaped Plio-Pleistocene glaciation. It is, however, presently subject to permafrost, up to 65 m deep.

5. INDEPENDENT GEOLOGIST'S REPORT



Mining Tenements

The Klondike Goldfield consists of unoccupied Crown Lands open to prospecting and claim staking, except for several small National Park reserves over small historic mining sites. Most of the valley floors are held under placer (alluvial) mining claims that have precedence only for the surface mining rights. Indigenous land rights in this part of the Yukon Territory have been settled. Areas of Indigenous Title occur close to the Yukon River but outside KSL's area of interest.

KSL's exploration interests (Figure 2) comprise 1,045 Claims, totalling 174 km², within the Dawson Mining District, as set out in Schedule 1 of the Canadian Solicitors' Report in this Prospectus. The majority of these claims (787, totalling 131 km²) are subject to a farm-in Heads of Agreement with Barramundi Gold Ltd ("BAM"), a Canadian public company.

It is not within RCA's terms of reference to validate the title of these claims or the terms of the farm-in Heads of Agreement.

Mining History

Rich alluvial gold deposits were discovered in the Klondike Goldfield in 1896 and led to the last major gold rush (1897-98) of the 19th Century. Total recorded gold production from the Klondike Goldfield is 12.2 million ounces, of which 7.2 million ounces came from the Bonanza Creek drainage covering approximately 140 km². This production came almost entirely from secondary (alluvial) sources, making the Klondike one of the world's largest alluvial goldfields.

The main period of alluvial production was between 1897 and 1923, initially by hand workings and then, from 1905 onwards, by dredging. Limited production (50,000-70,000 ounces gold per annum) continues today, using bulldozers and trommel and sluice box methods.

Primary (lode) production for the entire Klondike Goldfield totals about 1,000 ounces gold, from the Lone Star mine (7,650 tonnes ore at 5.1 g/t gold) between 1912-1914.

PREVIOUS EXPLORATION

Up to the present day primary (hard rock) gold exploration has been largely focussed on prospecting. Easily identifiable quartz lode prospects have been staked under the little-modified Yukon Quartz Mining Act (see Canadian Solicitors' Report in this Prospectus for details). This Act requires ground to be staked with small Mineral Claims measuring 1500 ft by 1500 ft (i.e. 457 m by 457 m). Prospectors and junior exploration companies with prospective claim blocks have traditionally farmed these out to larger exploration/mining companies for systematic exploration.

Only one major, goldfield-wide exploration program has been conducted in the Klondike Goldfield. This was a Kennecott/Arbor Resources program, undertaken during the late 1980's and early 1990's. This program covered a large number of claim blocks amalgamated to cover the northern half of the Klondike Goldfield. Kennecott identified from alluvial production records that almost 60% of historic gold production came from the Bonanza Creek drainage area. This area included the sole hard rock locality with any primary gold production above a few ounces, namely Lone Star mine (Figure 2). A large part of this venture's exploration database, which covers KSL's exploration areas, remains confidential until 1st July 2001. However, Kennecott/Arbor focussed most of their attention and drilling budget on the Lone Star area. They had limited success in defining a "resource" of approximately 900,000 tonnes at 2 g/t gold, based largely on percussion drilling. Elsewhere, geochemical soil and geophysical (induced polarisation) surveys were undertaken, with very limited follow-up, shallow percussion drilling.

During the mid-1990's BAM considered the Klondike Goldfield prospective for primary gold deposits and ambitiously staked and acquired claim blocks over approximately half the area. With limited funding BAM conducted a systematic geochemical drainage survey, albeit on creeks extensively worked historically for alluvial gold, completed one detailed geochemical soil survey over optioned claims covering two small gold and/or base metal quartz lodes, and a small detailed, low-level aeromagnetic survey. None of this work led to BAM defining any targets for drilling.

Thus, exploration since 1896 has failed to locate the primary source(s) of the numerous rich alluvial gold deposits in the Klondike Goldfield. To date only about 25-30 individual quartz lodes have been discovered in the entire Goldfield. These lodes are all of small dimensions and limited tonnage potential. Only four lodes have been extensively explored, without success. Of these, only one lode (Lone Star shear zone with sulphidic quartz veins) has been mined. It has very small dimensions and limited tonnage potential.

One explanation for the failure to locate the primary source(s), favoured by some, is that virtually all the gold in the alluvial deposits was derived from mesothermal quartz veins in the overlying country rocks and virtually the entire source(s) has been eroded away. This seems rather fortuitous and highly improbable. The paucity of major

5. INDEPENDENT GEOLOGIST'S REPORT

quartz vein systems (e.g. sheeted vein swarms and stockworks) suggests an alternative hypothesis would be more credible.

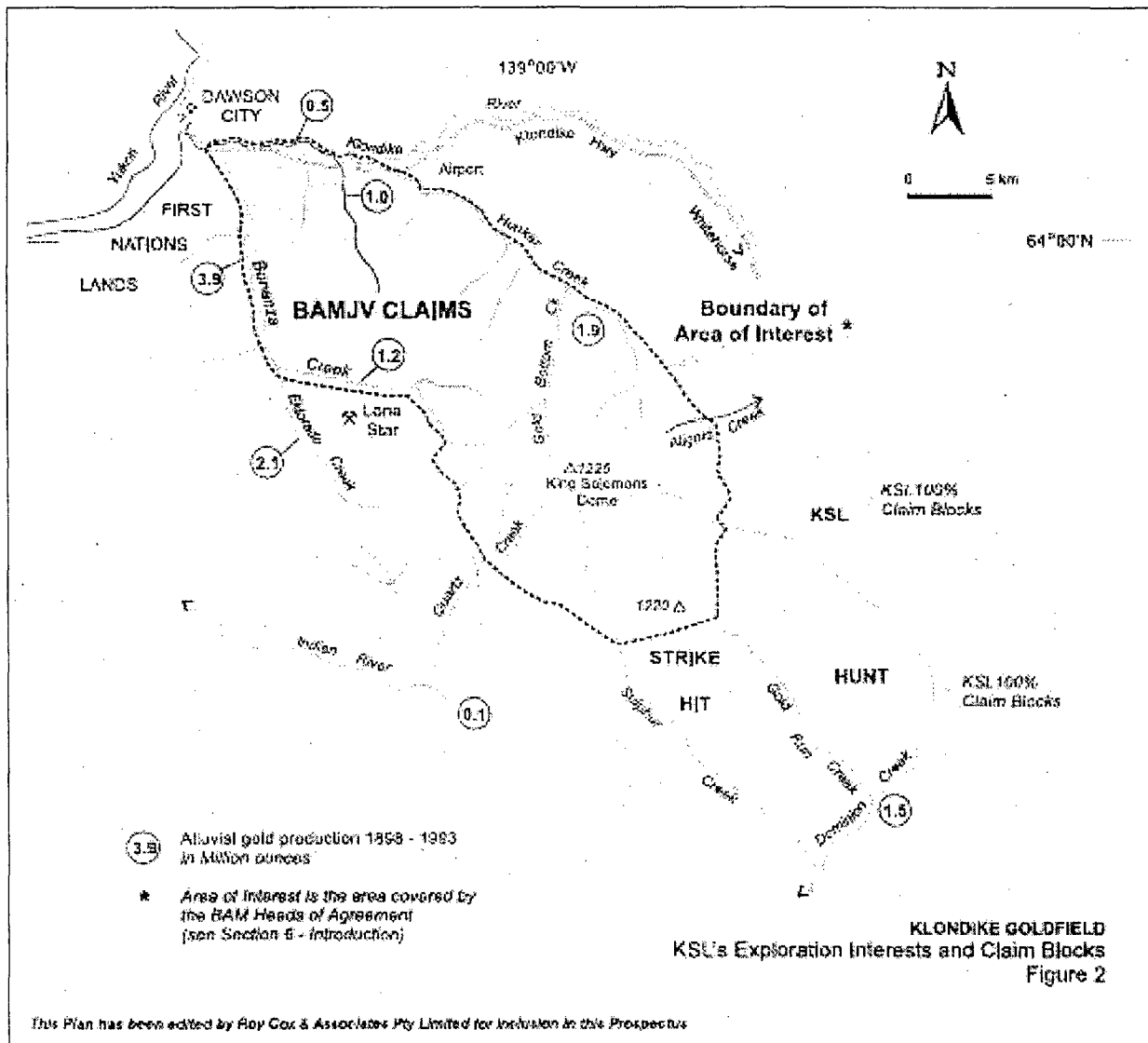
GEOLOGY

Regional Setting

The Klondike Goldfield is located in the northern Canadian Cordillera within a domain of the Upper Palaeozoic Tanana Terrane. It lies west of a major regional strike-slip shear and graben structure, the WNW-trending Tintina Fault Zone (Figures 1 and 3), which separates the Precambrian North American continent from the younger Cambrian volcano-sedimentary arcs bordering the northeast Pacific Ocean. This Fault zone, some 1,000 km long, shows a right-lateral displacement of approximately 400 km, mainly of Late Tertiary age.

The Tanana Terrane, which was the actively moving component relative to the Archaean/Proterozoic craton to the northeast of the Tintina Fault Zone, is highly deformed.

The Klondike Goldfield covers an ovoid area of low-grade metamorphic rocks (Klondike Schist), centred 15 km southwest of and extending approximately 50 km parallel to the Tintina Fault Zone. It is bounded on the north by the Klondike River, on the east by Hunker Creek, on the south by Dominion Creek, Sulphur Creek and Quartz Creek, and on the west by Eldorado Creek and Bonanza Creek (Figures 2 and 3).



Geomorphology & Surficial Cover

The Klondike Goldfield forms part of the Yukon Plateau, a well-dissected uplifted erosional surface (dipping gently south) of Tertiary age characterised by rounded hills and a multitude of small streams tributary to the main rivers. Remnants of the plateau surface outcrop at 1,200-1,400 m above sea level.

This subdued mature landscape is the result of extensive subaerial Miocene erosion with drainage patterns dominantly to the southwest (to the Pacific Ocean), followed by Pliocene uplift and drainage rejuvenation that initiated and maintained White Channel Gravel sedimentation until the early Pleistocene. Subsequent uplift of the Yukon Plateau resulted in drainage reversals (the Yukon River basin is now drained in a north-westerly direction to the Arctic Ocean) that were completed with the onset of Pleistocene glaciation. Continued uplift during the Pleistocene resulted in down cutting and incision of the drainage systems to their present levels.

The main geomorphological features of the Klondike Goldfield are:

- The district is underlain by permafrost, up to 65m depth.
- The valleys are flat and wide in their lower reaches, gradually narrowing towards their heads into steep-sided, V-shaped gullies ending abruptly in broad amphitheatres.
- Many of the lower valley slopes are terraced.
- Alluvial deposits formed initially during the late Tertiary uplift, derived from deep weathering and erosion of the bedrock (including primary gold deposits).
- A later period of uplift (Late Pleistocene-Recent) resulted in deeper erosion, reworking of the earlier alluvials and the formation of Recent alluvials in the present-day valleys. Remnants of the earlier alluvials are preserved as terrace deposits.
- The alluvial deposits of the district have been classified into three main groups: High Level Gravels (including White Channel Gravels), Intermediate Level Gravels, and Low Level Gravels (present-day rivers, creeks and gullies).

The Klondike Goldfield was not, somewhat surprisingly, subject to Plio-Pleistocene glaciation. Nevertheless the present-day river systems and associated fluvial sediments were formed under near-glacial conditions.

The alluvial deposits of the Klondike Goldfield were formed from erosion of the Klondike Schist over the past 5 million years. They occur as two major types:

- Remnant terraces (White Channel Gravels) of Plio-Pleistocene age between 40-100 m above the current valley floors.
- Recent alluvial gravels at the bases of the present-day drainage systems.

The White Channel Gravels are rich in hydrothermal and metamorphic vein quartz and suggest rapid erosion of an old plateau or erosion surface. They were extensively sluiced to recover gold from the basal one to two metres.

Gold in the Recent alluvial gravels is considered to have been largely derived from erosion of the White Channel Gravels (i.e. secondary deposits). However, a significant component was almost certainly derived from the recent erosion cycle of bedrock (primary) resources, as evidenced by the presence of dendritic rather than flattened gold specimens.

Lithologies

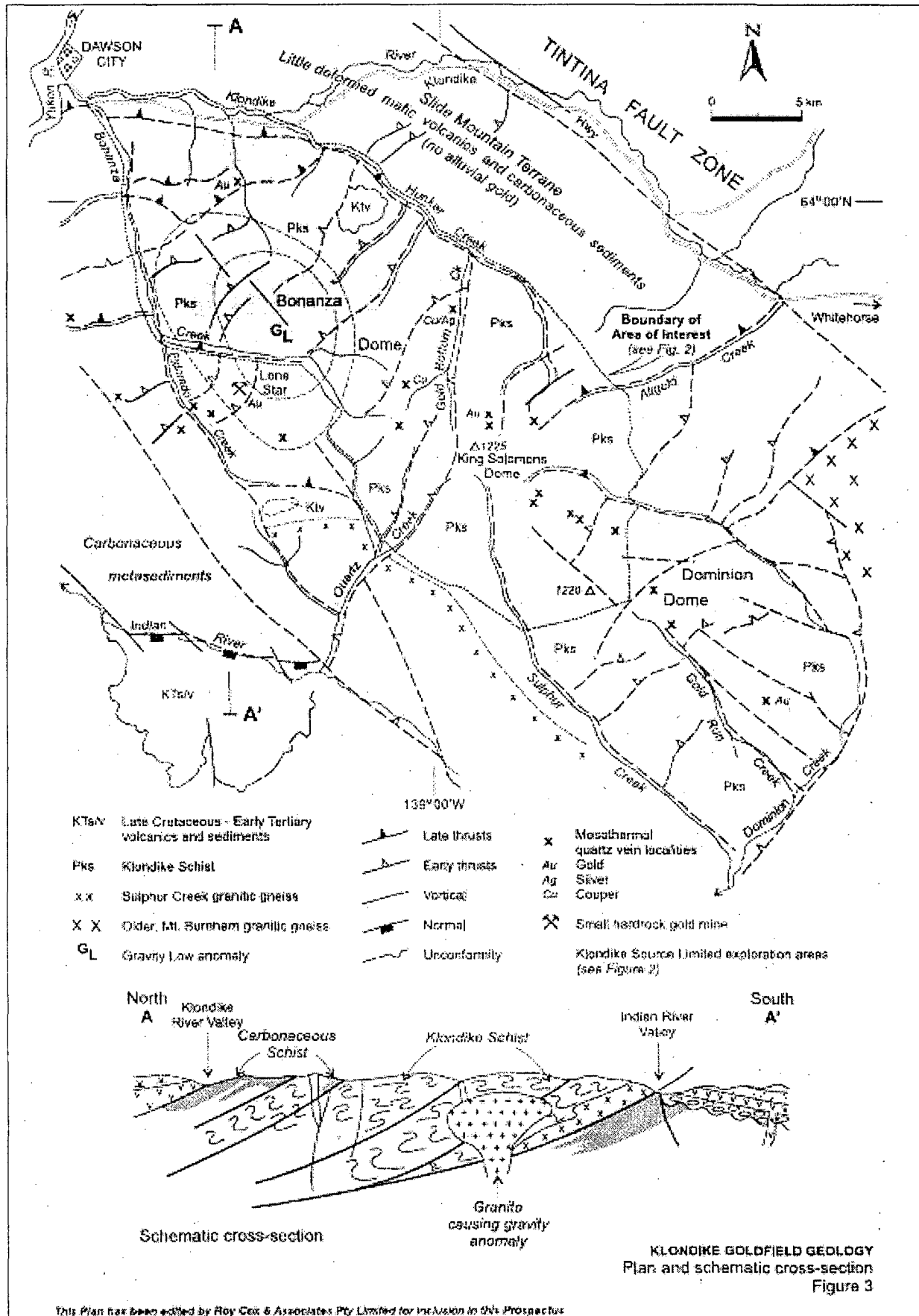
A simplified lithologic/stratigraphic sequence for the structurally complex Klondike Goldfield, based on KSL's geological mapping and interpretation (Figure 3), is summarised below:

Plio-Pleistocene	Two erosional cycles resulting in two major types of alluvial deposit
Eocene	Major uplift & displacement along Tintina Fault Zone
Cretaceous	Porphyry intrusions, with associated felsite and rhyolite dykes. One intrusion (in Hunker Creek) has an Eocene age (by K-Ar)
Permian	Regional metamorphism and deformation
Palaeozoic (?)	"Klondike Schist" "Sulphur Creek Granitic Gneiss"
Major unconformity	"Mt Burnham Granitic Gneiss"

The geological basement of the Klondike Goldfield consists of the low-grade metamorphic Klondike Schist, an intensely deformed sequence of largely felsic metavolcanic rocks. The age of this unit is probably Upper Palaeozoic. The Klondike Schist consists of a probably lower stratigraphic unit of chloritic schists (of basaltic lava derivation), overlain by pyritic quartz-muscovite schist (of intermediate to dominantly acid volcanic derivation). A quartz-eye porphyry schist is an easily identifiable unit characteristic of acid volcanic origin. Minor carbonaceous schists, often pyritic, are a notable minor component of sedimentary origin.

Closely associated with the Klondike Schist, and also strongly deformed, are intrusive rocks of probably subvolcanic origin, including metagabbro, metadiorite and metaporphyry.

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The Klondike Schist has also been extensively intruded by several suites of younger (Tertiary), less deformed, acid and basic intrusive rocks, occurring as dykes.

In the northern and north-eastern part of the Goldfield, between the Tintina Fault Zone/Klondike River and Hunker Creek, the Klondike Schist is bounded by the much less deformed "Slide Mountain Terrane" consisting of carbonaceous metasediments and mafic/ultramafic volcanics (with pillow lava structures). The age of this sequence is unknown. These rocks lack any evidence of gold mineralisation.

In the southern part of the Goldfield the Klondike Schist has been extensively granitised and mapped as the Sulphur Creek Granitic Gneiss. These two units, which merge into one another, provide evidence that the regional metamorphism was of Permian age.

In the south-eastern part of the Goldfield, close to the Tintina Fault Zone, the Klondike Schist is bounded by an older, coarse-grained pegmatitic gneissic unit, the Mt. Burnham Granitic Gneiss.

During the early Tertiary the Klondike district experienced several episodes of mafic and felsic dyke intrusion, local andesitic volcanism and emplacement of small granitic intrusions. Extensive low-temperature hydrothermal alteration (quartz veinlets, argillic and pyritic) is associated with these magmatic events, even affecting the lower auriferous White Channel Gravels. There is, however, no evidence of these alteration systems being associated with the source(s) of the district's rich alluvial gold deposits.

Structures

KSL has developed an elegant structural interpretation for the Klondike Goldfield based on field mapping and checking. The complexity of the structural deformation, particularly that due to the Tertiary uplift and displacement along the Tintina Fault Zone, has been identified.

The Klondike Schist has a dominantly shallow-dipping (20°) early schistosity, which probably parallels lithological boundaries. Folding evident in outcrop cannot be identified at larger scales. Doming related to the metamorphic deformation of the Klondike Schist may be inferred. Small deformed quartz veins of metamorphic origin are ubiquitous and demonstrably do not carry gold. There is also a prominent younger crenulation cleavage, which partly obliterates early schistosity and reflects more than one period of high strain folding.

Most important is the inference of two major sets of shallow-dipping brittle fracture thrusts and related vertical strike-slip faults. The oldest shallow (less than 45°), NW-dipping set of structures post-dates the major early schistosity and pre-dates the suites of Late Cretaceous to Early Tertiary dykes. Inferred dilational fracture zones related to this set of faults are KSL's major exploration targets. The youngest set of N-dipping thrusts is most prominent in the northern part of the Klondike district. These structures are probably related to early to mid-Tertiary strike-slip movement along the Tintina Fault Zone.

The geological interpretation has delineated two major domes within the Goldfield, clearly defined on Landsat images and by the drainage patterns on air photos. The northernmost dome (Bonanza Dome) is bounded by the Bonanza and Hunker creek drainages, and displays an asymmetrically located ridgeline. The southern dome (Dominion Dome) is bounded by the Sulphur Creek and Dominion Creek drainages. Both domes are elongated NW-SE, with their long axes parallel to the Tintina Fault Zone. KSL has postulated that there could be a causative pluton at depth (Figure 3). The existence of feldspar porphyry dykes and sills within the northernmost dome is possibly related to such a pluton.

KSL has noted the significance of dip and scarp slopes – the steeper, shorter scarp slopes consist of older, more complex metamorphic rocks, whilst the gentler, longer (pediment) dip slopes consist of colluvium and minor, younger volcanics overlying the Klondike Schist. Both the topographic maps and Landsat images show that the ridge-line is asymmetrically located between the major drainages within the Goldfield.

DISTRICT GOLD MINERALISATION

The spatial distribution of secondary (alluvial) gold mineralisation within the Klondike Goldfield may well reflect the original distribution of primary (hard rock) mineralisation. It is therefore important to thoroughly analyse the type, nature and distribution of secondary gold within the Goldfield to gain clues as to possible primary mineralisation characteristics. From production records it is evident that almost 60% of the total recorded Goldfield production (12.2 million ounces gold) came from the north-western Bonanza Creek/Eldorado Creek drainage area, the eastern part of which represents only about 15% of the total Goldfield area.

Secondary

The main features of secondary (alluvial) gold mineralisation are:

- The Low Level Gravels are the most important in terms of gold production. The valley floor gravels are 1.2 – 3.0 m thick and rest on weathered schist bedrock. They are generally overlain by 0.6 – 9.0 m black, frozen

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"muck". The pebbles consist of flat, rounded discs of schist and other rocks of local origin. The most productive creeks were Bonanza, Hunker, Dominion, Gold Run, Sulphur and Quartz (Figures 2 and 3).

- The Intermediate Level Gravels were produced during the deepening of the present-day valleys and represent remnants of former valley-bottom deposits. Most are small, seldom exceeding a few metres in width or a few hundred metres in length, and are 2 – 5 m thick.
- The High Level River Gravels are extensively distributed, especially in the Bonanza and Hunker creeks. They consist mainly of ancient creek deposits and lie at elevations of 135 m above present-day valley bottoms. Payable gold grades were reported in only one locality. They are not of economic significance.
- The High Level Creek (White Channel) Gravels are ancient creek deposits laid down in flat-bottomed valleys before the last uplift (of 180 – 215 m). They now occur as wide benches at elevations of 45 – 90 m above present-day valley floors. They are irregularly distributed due to subsequent erosion. Their age is unknown but is considered to be Pliocene or earlier. Their characteristic white colouration is due to leaching out of iron, by circulating surface waters, before they were permanently frozen.
- The gold in the Klondike alluvials has passed through several stages of erosion and concentration, each stage resulting in successive enrichment, the last stage resulting in the phenomenally rich Low Level Gravels of Recent age.
- Most alluvial pay streaks were remarkably persistent in grade over considerable lengths, especially in Eldorado Creek which yielded 65 ounces gold per running foot for 4 miles (6.65 kg. gold per running metre for 6.4 km).
- Within the Goldfield the rich alluvials, especially those of the Low Level Gravels, show an asymmetric distribution pattern that offers the key to designing an exploration strategy for locating the primary gold source(s).
- The grain size of gold particles in the alluvial deposits was coarsest near the stream heads (Low Level Gravels), where it was angular in shape. Further downstream the particles became more rounded, flattened, finer grained and developed larger rims of purer gold (i.e. higher fineness) due to leaching of silver. Large nuggets are uncommon. These grains show significant signs of physical transport and leaching. A study of over 2,000 gold particles from 36 alluvial deposits established relationships between various parameters (e.g. roundness, flatness, thickness and percentage of high fineness rims) and distance of transport of the particle. The roundness and flatness in particular show a rapid increase within the first 5km from source.
- The morphology of the gold grains in the pay streaks of the Low Level Gravels provides some interesting information of relevance to gold genesis. The coarser gold particles from gullies, at the heads of streams, include angular grains, flakes, sprigs, wires and nuggets of fairly large size. These grains provide evidence of multiple primary sources. Their relatively coarse size and lack of rounding and flattening indicate that they are close to source. The presence of some sprig and wire gold in association with pyrite is genetically significant because such fine and delicate gold particles would not withstand transportation in a high-energy stream. It is probable, therefore, that the pyrite enclosing such gold particles was leached out after transportation.
- The fineness of the alluvial gold is variable, not only in different creeks but also along different portions of the same creek. These fineness variations, from 650 to 850, suggest a variety of primary sources.
- Commonly associated minerals in the Low Level Gravels include barite, goethite, pyrite and tourmaline.

The origin of the gold in the rich Klondike alluvials has long been debated because no sizeable and/or rich primary deposits have ever been found. Some gold obviously came from the minor quartz lode and shear zone deposits of the district, but no major sheeted vein swarm, stockwork or structurally-controlled stratabound deposits have been found (Note – these would be expected to occur on or close to topographic highs, due to the resistance of quartz to erosion, and therefore would be relatively easy to locate, if present at outcrop).

It is unreasonable to accept the thesis of some earlier workers that the erosion of a few dozen (or even a hundred) minor quartz lodes was mainly responsible for the formation of the phenomenally rich Klondike auriferous alluvials containing over 12.2 million ounces gold.

It is reasonable to conclude that the major primary source(s) have not been identified by earlier explorers.

Primary

Several types of primary gold mineralisation have been identified to date in the Klondike Goldfield. These are:

- Small quartz veins, mostly carrying trace to small amounts of gold (0.1 – 1.5 g/t gold). These veins usually carry small amounts of pyrite ± barite, galena. A few veins contain carbonate and others fluorite and chalcedony.
- NW-trending shear zones (oriented parallel to the Tintina Fault Zone, to which they are genetically related) containing irregular lenses of quartz, pyrite, galena, sphalerite and barite, with marked sericitisation and

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pyritisation of the wallrocks. Gold values are spotty, closely associated with the sulphides, but generally low (0.3 – 1.5 g/t gold) and related to small ragged grains of free gold.

- Auriferous quartz-muscovite schist at the Lone Star occurrence contains narrow conformable bands of pyrite, sphalerite, galena and chalcopyrite. Petrographic studies and metallurgical testing have shown that the gold is extremely small in size (<10 microns) and is intimately associated with disseminated pyrite grains.
- Weakly auriferous bands of pyritic graphite schist. The gold in these bands (average grade 0.005 g/t gold) is associated with pyrite (individual grains contain up to 2 g/t gold).

As discussed above, it is unreasonable to conclude that the few dozen small primary sources identified to date have been responsible for the formation of the phenomenally rich Klondike alluvials containing over 12.2 million ounces gold.

RCA concurs with KSL geologists that it is far more plausible to postulate that the major primary source(s) of the alluvial gold in the Klondike Goldfield was a large tonnage, high grade structurally-controlled, stratabound deposit(s) such as that recently discovered at Pogo in the Alaskan section of the Tintina Gold Belt.

KSL's EXPLORATION

Concepts

KSL's hypothesis is that although some of the original primary gold has been eroded to produce the alluvial deposits, it does not follow that all the primary sources have been eroded away. The lack of major gold-bearing quartz lode deposits in the Klondike Goldfield strongly suggests that such deposits may never have been present in sufficient numbers to be the main source of the alluvial gold. Furthermore, the concentration of high-grade alluvial gold in restricted areas (e.g. Bonanza Creek area) suggests that widespread, low-grade disseminated gold in the country rocks is a very unlikely source. It seems much more plausible that the 7.2 million ounces alluvial gold in the Bonanza Creek area resulted from partial erosion of large high-grade, shallow-dipping and structurally-controlled deposits located above the Bonanza Creek system, close to source. One such high-grade deposit having this geometry has recently been discovered along strike in the Tintina Gold Belt at Pogo in Alaska (about 300km westnorthwest of Dawson City and 145km southeast of Fairbanks – Figure 1). Early exploration at the Pogo deposit has already delineated a "geological resource" of 5.2 million ounces gold in the non-outcropping Liese Zone (9.05 million tonnes with an average grade of 17.8 g/t gold). There could well be other deposits of similar type within the Tintina Gold Belt, especially where alluvial deposits are known, such as in the Klondike Goldfield. With this in mind, KSL commissioned a comparative study of the structural geology and setting of the Pogo deposit, Klondike Goldfield and other primary auriferous deposits in the Tintina Gold Belt.

Up to the present time the Klondike Goldfield has not been considered prospective for granite-associated Tintina Gold Belt deposits (e.g. Pogo, Fort Knox and Brewery Creek), although located geographically in the central sector of this Gold Belt. However, the evidence in the Klondike Goldfield for gold-rich sulphides and shallow-structured schists and gneisses, similar to the Pogo district, allied to major (negative) gravity anomalies (inferring granitic bodies at depth) indicates analogous prospectivity, that is the potential for large (>5 million ounces), high-grade (>5 g/t) gold deposits.

Strategy

The Company's exploration strategy to date has been well focussed on locating large-tonnage primary gold deposits within the Klondike Goldfield. The main points of this strategy have been to:

- Develop a structural geology map of the Klondike Goldfield.
- Compare the structural geology synthesis of the Klondike with other mineralised districts in the Tintina Gold Belt of Alaska and the Yukon.
- Develop an understanding of the Goldfield's geomorphology and surface geology and, in so doing, develop a new "model" for the district's primary gold mineralisation.
- Implement appropriate modern exploration methods, particularly geochemical soil (mobile metal ion) surveys applicable to the terrain, to test the KSL exploration model.

Database

Commencing with a field examination to assess the exploration potential of the Klondike Goldfield in 1999, KSL acquired relevant data from the public domain and initiated discussions with BAM, which led to the signing of a joint venture agreement. Available information that was collected, compiled and interpreted by KSL included:

- Regional aeromagnetic survey data (0.5 mile/0.8 km line spacing) by Geological Survey of Canada, 1965, presented at 1:250,000 and 1:31,360 scales.

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- Regional geochemical stream sediment survey by Geological Survey of Canada, 1980's, presented at 1:250,000 scale.
- National gravity survey database, Geological Survey of Canada.
- Landsat imagery (using only Bands 3, 4 and 5), 1999, presented at 1:100,000 scale.
- Geological map compilation by BAM, 1997, presented at 1:100,000 scale.
- Alluvial gold production data and reports.
- Regional and district geochemical stream sediment survey by BAM, 1997, presented at 1:100,000 scale.
- Aerial photography (black and white, vertical) by Canadian Government, 1986, presented at 1:50,000 scale.
- Public domain exploration reports.
- Proprietary technical data made available by BAM.

Of particular interest to the Company will be the results of the Geological Survey of Canada's recent Stewart River low-level airborne geophysical survey (aeromagnetics/radiometrics/VLF-EM) due for release in the first quarter of 2001.

Exploration Results

During 1999 KSL developed a geological interpretation of the Klondike Goldfield using all available technical data, as detailed above, on a 1:50,000 scale photomosaic base. The interpretation was field checked during the 1999 and 2000 field seasons by experienced field geologists to ensure that it fitted the available data. The depth of experience of KSL's geologists shows through in the final product (interpretive plans and sections) integrating all relevant data. It forms a strong and firm foundation on which the Company has developed a realistic gold genesis hypothesis and exploration strategy to search effectively for primary gold deposits within the Klondike Goldfield. This interpretation was used initially to select prospective areas for staking mining claims and for undertaking follow-up surface exploration.

During the course of the past two field seasons KSL has undertaken well planned and focussed exploration programs comprising:

- District air photo and Landsat interpretations at 1:50,000 scale, using the published Government topographic maps sheets as a base. These interpretations have paid particular attention to (1) structural features of potential significance for locating major primary gold mineralisation, (2) classifying the differences of slope surfaces for designing geochemical soil surveys and (3) regional aeromagnetic features and (4) the results of previous mapping.
- District geological mapping utilising fully the above air photo and Landsat imagery, and aeromagnetic data and interpretations
- District geochemical rock chip orientation sampling in four separate areas, including (1) pyritic sulphide zones in quartz-muscovite schists, (2) mesothermal veins, (3) quartz vein/iron carbonate alteration associated with major thrusts and (4) other areas of quartz veining/iron carbonate alteration.
- An initial orientation program of geochemical soil sampling, using both mobile metal ion (MMI*) and -80 mesh techniques, to compare the effectiveness of the MMI technique in the immature, cold climate soils of the Klondike Plateau uplands. The MMI samples were taken from the base of the "A" soil horizon and the -80 mesh samples from the less well-developed "B" horizon. All samples were analysed for gold and silver, and several suites were analysed for a range of other elements. The program consisted of fourteen widely spaced reconnaissance traverse lines across inferred favourable structural and geological loci. This survey is the first to utilise the recently developed MMI technique in the Klondike Goldfield. Both techniques gave meaningful results.

**Note: The MMI technique utilises extractants containing strong ligands to detach unbound or weakly attached metal ions from soils, resulting in "mobile metal ions" in concentrations readily measurable by inductively coupled plasma (ICP) analysis. MMI geochemistry usually produces an anomaly of sharper and higher contrast than conventional (-80 mesh) techniques. It is generally superior to conventional techniques in those areas where residual soils (particularly the "B" horizon) are poorly developed or have been removed by recent erosion. MMI analytical data are conveniently and uniformly presented as Response Ratios ("RR"), where RR is the ratio of the sample value relative to the survey background value (i.e. a RR of 10 indicates the sample value is 10 times the background).*

- Reconnaissance geochemical MMI soil surveys over a number of areas, selected on the basis of geological and structural criteria as having favourable prospectivity for gold mineralisation, in two main claim blocks as shown in Figures 2 and 3:

1) BAM JV Claims

Four areas (Prospects A, B, C and D – Figure 4) were upgraded to prospects on the basis of reasonably well-defined geochemical gold anomalies. A total of 1,216 MMI samples were collected (mostly at 50m intervals

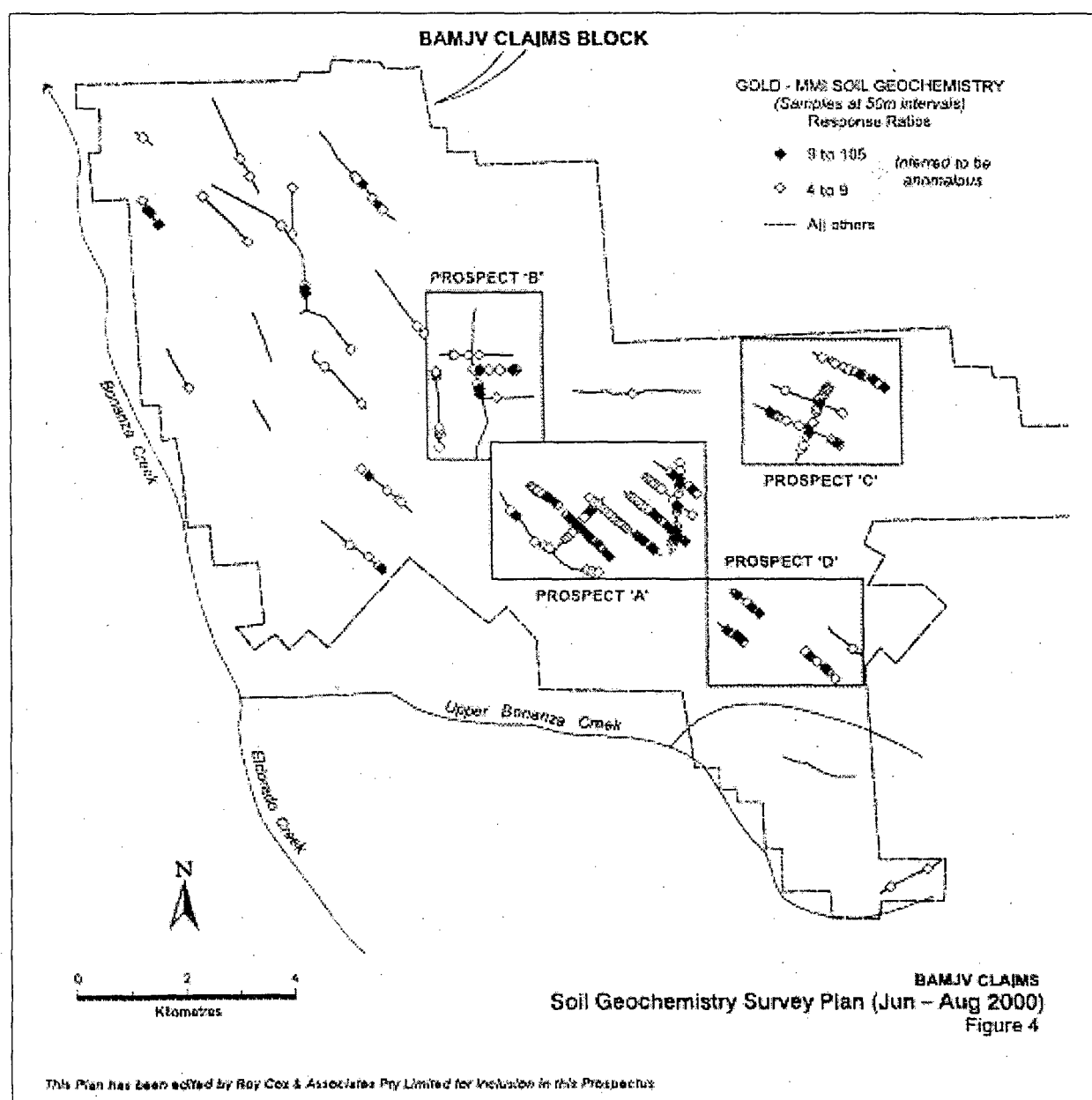
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along each line) on 41 traverse lines, giving 61.8 line kilometres of soil sampling. In addition, a total of 147 -80 mesh samples were collected, mainly on ridge crest traverses where "B" horizon soils are better developed. The traverse lines were oriented NW-SE and spaced at approximately 500 m line centres across the inferred strike of potential mineralised zones.

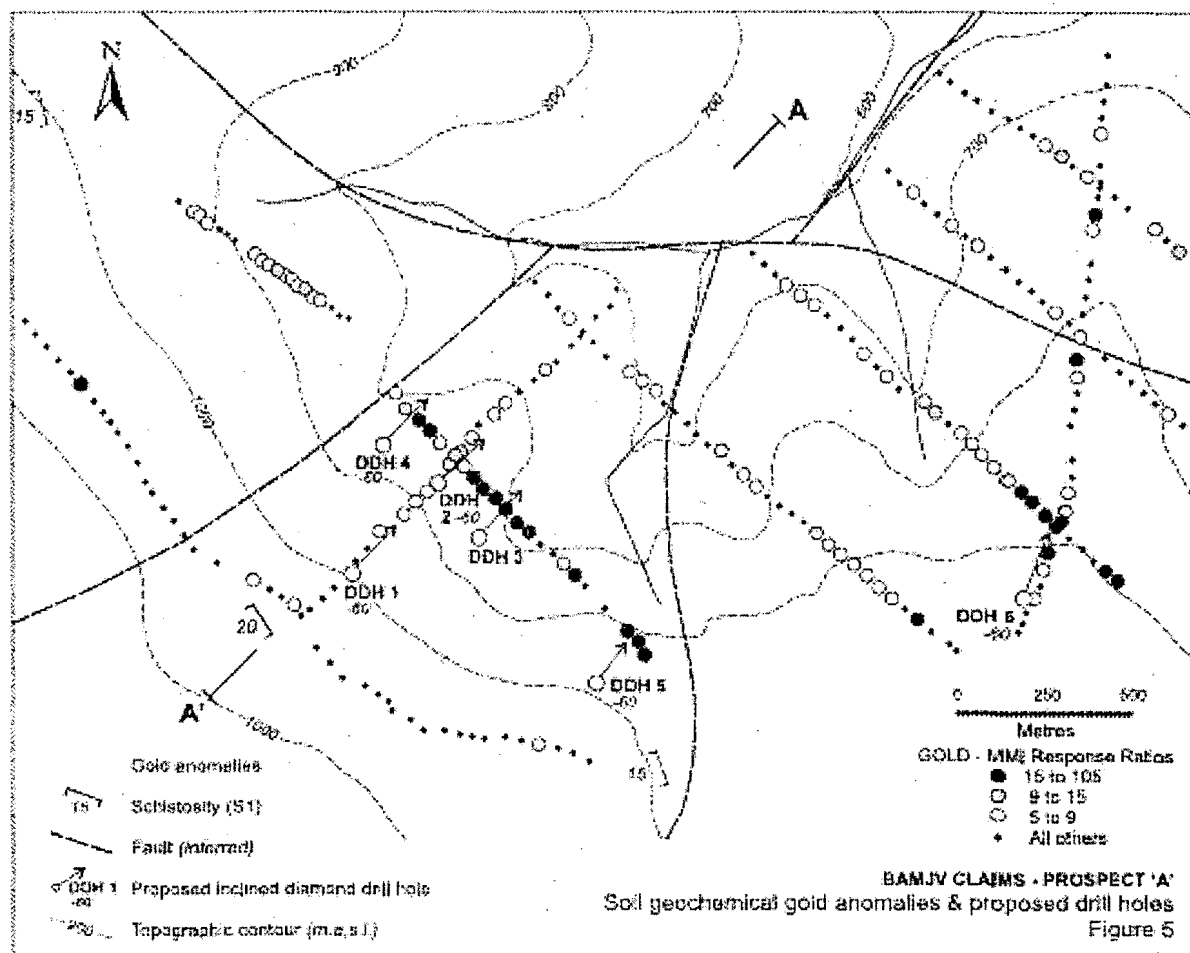
2) KSL 100% Claims

Initial reconnaissance geochemical soil surveys were undertaken on three of the four claim blocks late in the 2000 field season. A total of 307 MMI samples were collected (mostly at 50m intervals along each line) on 20 traverse lines, mainly oriented NW-SE, giving 15.4 line kilometres of sampling. In addition, a total of nine -80 mesh soil samples were collected. Several gold anomalies were detected, with associated high silver values. The gold anomalies are of a lower order, and the silver anomalies of a higher order, of magnitude than those on the BAM JV Claims.

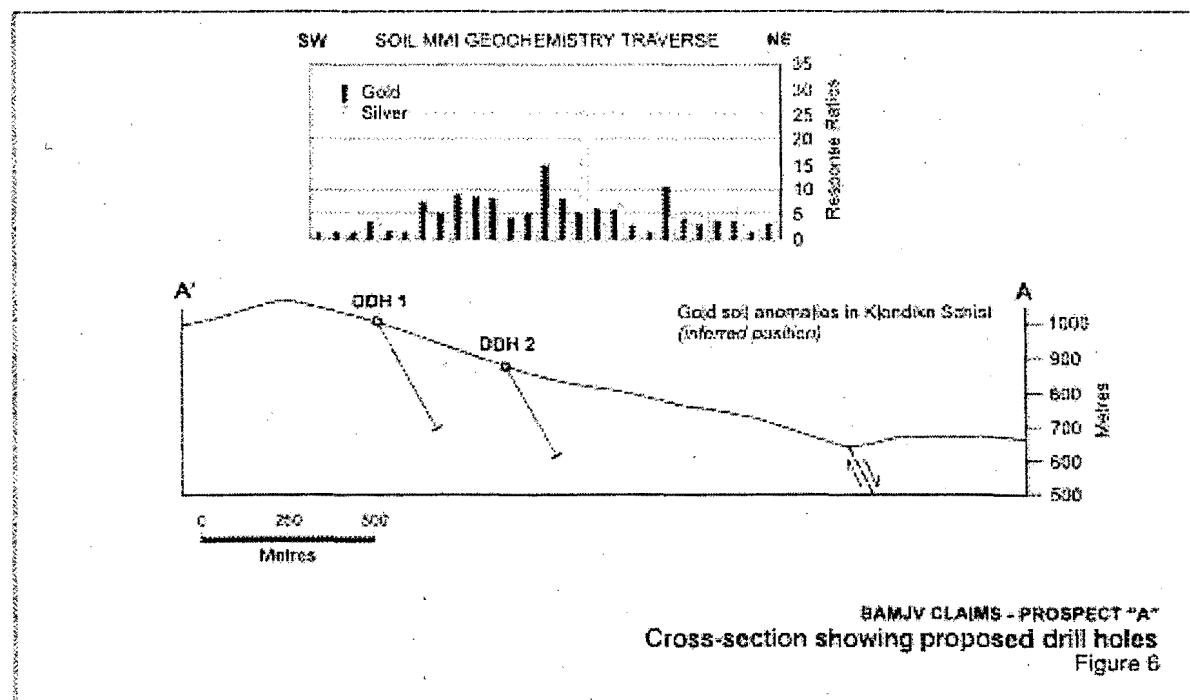
The results obtained from KSL's exploration over the past two field seasons have been particularly encouraging. Target areas considered prospective for hosting significant primary gold mineralisation have been identified from geological, geochemical, geophysical and remote sensing data in the BAM JV Claims. Follow-up geochemical sampling of soils, using two independent techniques (MMI and -80 mesh) on variably-spaced lines, has confirmed the prospectivity for gold mineralisation in at least four of these target areas (Prospects A, B, C and D – Figure 4).



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



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As yet, insufficient soil sampling has been completed on the KSL (100%) claims to define prospective targets, although anomalous gold and silver values have been identified in reconnaissance geochemical (MMI) surveys.

Follow-up testing of Prospects A, B, C and D is now warranted by diamond drilling to confirm the presence of primary gold mineralisation and to delineate its subsurface extent.

Concurrently with this drilling program, further geochemical soil (MMI) surveys are warranted to (1) infill and extend the existing grids over the four prospects defined to date and (2) investigate other, as yet untested, target areas considered prospective for hosting significant primary gold mineralisation.

The main features of the four highest priority drilling targets (for the 2001 field season), located in the BAM JV Claims, are summarised below:

Prospect A

Anomalous gold values, defined by MMI geochemical soil sampling on eight traverse lines (supported by -80 mesh on three lines), occur in at least four main subparallel, easterly-trending zones over a strike length of >2.5 km and an across-strike distance of >1 km (Figure 5). The four zones, hosted by Klondike Schist, are interpreted to represent distinct zones of anomalous bedrock, which appear to dip gently southwards (Figure 6). These anomalous zones, separated by unmineralised country rock, are open along strike in both directions (to the east and west) and warrant further infill and step-out geochemical soil (MMI) sampling to fully delineate the surface extent of anomalous gold values. The true thicknesses of the anomalous bedrock zones are unknown. They are likely to be considerably less than the horizontal widths of the MMI soil anomalies that represent "target" zones of secondary geochemical dispersion.

The anomalous gold values defined to date occur within a target area of approximately 2.5 km². Thus in terms of surface dimensions, structural style, multiple subparallel zones and shallow dip they are comparable to those of the major Pogo deposit.

Prospect A is the most prospective target discovered by KSL to date. It has very substantial surface dimensions for hosting primary gold mineralisation of potential economic significance and warrants thorough subsurface testing by an initial program of diamond drilling to locate and identify potential gold mineralisation.

An initial program of at least 1,500 m of diamond drilling (six inclined drillholes on five cross-sectional lines - Figure 5) is planned to test two of the four main anomalous zones over a strike length of 2 km to a vertical depth of approximately 200 m (Figure 6). Provision has been made in the 2001 budget (Table 1) for two additional drillholes totalling an extra 650 m.

Prospect B

Prospect B is located 4 km northwest from the centre of Prospect A (Figure 4). Anomalous gold values, defined by MMI geochemical soil sampling on five traverse lines, occur in two main subparallel, easterly-trending zones over a strike length of at least 1.5 km and an across-strike distance of approximately 750m. They are supported by -80 mesh sampling on two traverses. The two zones, hosted by Klondike Schist, are interpreted to represent distinct zones of anomalous bedrock that appear to dip gently southwards. These anomalous zones, separated by unmineralised country rock, are open along strike in both directions and warrant further infill and step-out geochemical soil sampling to fully delineate the surface extent of anomalous gold values. The true thicknesses of the anomalous bedrock zones are unknown. The anomalous gold values defined to date occur within a target area of approximately 1 km² (Figure 4).

Prospect B, as presently defined by geochemical soil sampling, has surface dimensions less than half those of Prospect A but it is, nevertheless, a very substantial and prospective target for hosting primary gold mineralisation of potential economic significance. It warrants subsurface testing by diamond drilling to locate and identify potential gold mineralisation. An initial inclined diamond drillhole, totalling approximately 250 m, is planned to test the strongest geochemical (MMI) anomaly in 2001.

Prospect C

Prospect C is located approximately 4-5 km to the northeast from the centre of Prospect A. Anomalous gold values, defined by MMI geochemical soil sampling on four traverse lines (supported by -80 mesh samples on one line), occur in at least three subparallel, easterly-trending zones over a strike length of >1.2 km and an across-strike distance of >1 km. The three zones, hosted by Klondike Schist, are interpreted to represent distinct zones of anomalous bedrock that appear to dip gently southwards. These anomalous zones, separated by unmineralised country rock, are open along strike to the east and warrant further infill and step-out geochemical soil sampling to fully delineate the surface extent of anomalous gold values. The true thicknesses of the anomalous bedrock zones are unknown. The anomalous gold values defined to date occur within a target area of approximately 1 km² (Figure 4).

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Prospect C, as presently defined by geochemical soil sampling, has surface dimensions less than half those of Prospect A but it is, nevertheless, a very substantial and prospective target for hosting primary gold mineralisation of potential economic significance. It warrants subsurface testing by diamond drilling to locate and identify potential gold mineralisation. An initial inclined diamond drillhole, totalling approximately 250 m, is planned to test the strongest geochemical (MMI) anomaly in 2001.

Prospect D

Prospect D is located approximately 3-5 km to the southeast from the centre of Prospect A. Anomalous gold values, defined by MMI geochemical soil sampling on two traverse lines, occur in at least three main subparallel, northeasterly-trending zones over a strike length of at least 750 m and a similar distance across strike. The three zones, hosted by Klondike Schist, are interpreted to represent distinct zones of anomalous bedrock that appear to dip gently northwestwards. These anomalous zones, separated by unmineralised country rock, are open along strike in both directions and warrant further infill and step-out geochemical soil sampling to fully delineate the surface extent of anomalous gold values. The true thicknesses of the anomalous bedrock zones are unknown. The anomalous gold values defined to date occur within a target area of at least 0.5 km² (Figure 4).

Prospect D, as presently defined by geochemical soil sampling, has surface dimensions approximately one fifth those of Prospect A but it is, nevertheless, a substantial and prospective target for hosting primary gold mineralisation of potential economic significance. It warrants subsurface testing by diamond drilling to locate and identify potential gold mineralisation. An initial inclined diamond drillhole, totalling approximately 350 m, is planned to test the strongest geochemical (MMI) anomaly in 2001.

Exploration Potential

Primary Gold Mineralisation

The exploration strategy developed by KSL for discovering large tonnage, primary gold deposits in the Klondike Goldfield is based upon new district geological and metallogenic models interpreted from geological mapping, remote sensing data (Landsat images and aerial photography), geochemical soil surveys (especially MMI) and geophysical surveys (especially aeromagnetic and gravity surveys). The exploration targets are large tonnage, structurally controlled, stratabound deposits such as that recently discovered at Pogo in nearby southeastern Alaska.

KSL clearly recognised the inadequacies of the metallogenic models previously postulated as the source of the rich Klondike alluvial deposits. Furthermore, the majority of the world's largest gold systems (by an order of magnitude) are stratabound/sediment-hosted (e.g. Ballarat/Bendigo, Murantau, Sukoi Log, Carlin, Witwatersrand) and the major structural components are either dilational areas of folds (anticlinal saddle reefs) or reactive permeable rocks. These structural domains are essentially flat lying or have a plumbing seal that is shallow dipping.

KSL has, by diligent analysis and interpretation of available and new data, developed and identified metallogenic models, some with the prospective parameters noted above. The four prospects defined to date offer potentially rewarding exploration targets within the Klondike Goldfield, one of the world's largest alluvial goldfields, where the primary source(s) have never been recognised or found.

Secondary Gold Mineralisation

KSL is not focussing its attention on the alluvial gold potential within the Klondike Goldfield because the intensive level of prospecting and alluvial mining over the past 105 years leaves little room for the discovery of new major alluvial deposits.

PROPOSED EXPLORATION & BUDGETS

Exploration Strategy

The Company's exploration strategy is soundly based on a firm geological foundation. The main criteria and methodologies employed to date, and proposed for future exploration, consist of:

- Obtaining tenure over key geology (stratigraphy and structures), with associated favourable geochemical and geophysical signatures, as soon as possible.
- Detailed checking of geology and mineralisation using appropriate and cost-effective techniques (photo interpretation, geological mapping, soil and bedrock geochemistry), with due attention to orientation surveys, to define target areas considered prospective for hosting significant primary gold mineralisation.
- Reconnaissance then grid-based geochemical soil surveys (MMI, supported by -80 mesh) to define anomalous areas of gold mineralisation.
- Selection and ranking of mineralised targets for testing by diamond drilling.

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- Diamond drill testing (Phase 1) of first priority targets, using HQ-size core to maximise recovery, to investigate the nature and extent of the sub-surface primary gold mineralisation. Orientation of drill core to provide three-dimensional structural data.
- Independent monitoring of sampling, sample preparation and assaying for all bedrock and drill core samples.
- Follow-up (Phase 2) diamond drilling of favourable Phase 1 targets to delineate gold mineralisation and resources in three dimensions.

The Company's stated objective is to locate primary gold deposits with a minimum of 5 million ounces, which are amenable to low cost mining (operating and capital costs <US\$150-200/ounce gold) by means of open pit or mechanised underground methods.

Field Programs

The Company's proposed exploration programs (Phases 1 and 2), to be carried out during the 2001 and 2002 field seasons (essentially from mid-June to mid-September) have been reviewed and discussed in detail with KSL's directors and technical management. In their present form they are considered to be practical and cost-effective, focussing clearly on the Company's stated objectives and exploration strategy. The major components of these programs consist of:

- Detailed geological mapping of the prospective targets to delineate lithologies, structures and alteration as an aid to maximising the effectiveness of the planned diamond drilling.
- Geochemical soil (MMI, supported by -80 mesh) surveys to fully delineate the surface extent of the existing (already defined) mineralised targets and to define additional (new) targets.
- Diamond drilling of prospective gold target areas defined by geochemical soil sampling.

The major components of the Phase 1 field program consist of diamond drilling at Prospects A, B, C and D; geological and geochemical soil surveys to infill and/or step-out at these prospects and other target areas on the BAM JV Claims, and at other prospective areas in the KSL (100%) Claims, together with staking of claims over new target areas followed up by geological and geochemical surveys. Provision has also been made for environmental baseline surveys.

The details and priorities of the Phase 2 field program will obviously be dependent on the results obtained from the Phase 1 program. Nevertheless it is anticipated that the major components of the Phase 2 field program will consist of follow-up diamond drilling, where warranted, at existing prospects, diamond drilling of new targets, together with further geological and geochemical surveys.

Budgets

The budgets prepared for the Company's proposed Phase 1 and 2 exploration programs have been analysed in detail, and reviewed with KSL's technical management. The main components of these budgets are summarised in Table 1. In their present form they are considered to be realistic and cost-effective. They focus clearly on achieving the Company's stated objectives in a timely manner.

The degree of precision in preparing the exploration program and budget for Phase 2 is obviously less than for Phase 1, and will be dependent to a large extent on the nature and significance of the results obtained during Phase 1. Nevertheless, the program and budget prepared for Phase 2 conforms to best industry practice in terms of what can be realistically expected to be achieved from the Phase 1 program planned for this coming field season.

It should be noted that the proposed exploration programs may be subject to amendment as new exploration data become available, or as a result of changes in underlying market or economic factors.

CONCLUSIONS

RCA has reviewed all the technical data on the Klondike Goldfield available to the Company, both published and unpublished. It has critically analysed and assessed KSL's geological interpretations of the Klondike Goldfield, and the gold genesis hypothesis developed there from. RCA has also reviewed the Company's exploration strategy and the initial exploration programs and budgets proposed to test these concepts.

On the basis of this assessment of the available technical data and the Company's interpretation of these data, RCA is of the opinion that:

- The geological interpretations fit the available factual database in a realistic and plausible manner. They represent a significant advance on all earlier interpretations because they were undertaken by experienced field geologists and utilise all presently available data, including air photos, Landsat images, topographic maps, geological mapping, geochemical and geophysical surveys, and historical gold production data. KSL's interpretation forms a strong and firm foundation on which the Company has developed a realistic

5. INDEPENDENT GEOLOGIST'S REPORT

gold genesis hypothesis and exploration strategy to search effectively for major primary gold deposits within the Klondike Goldfield.

- The Company's carefully selected exploration tenements are prospective for hosting large primary gold deposits. Several prospective target areas have already been identified by anomalous gold values in geochemical soil surveys.
- The exploration strategy and programs (Phases 1 and 2) proposed by the Company for its tenements are pragmatic, well focussed and technically sound. The proposed exploration budgets are realistic, practical and cost-effective.
- On the above basis, RCA endorses the geological interpretation, the gold exploration concept, and the proposed exploration strategy, programs and budgets for Phases 1 and 2.
- It should be clearly understood, however, that gold exploration is a high-risk venture where the potential for substantial rewards has to be carefully weighed against the risks involved. It is not possible for RCA to quantify these risks for the potential investor in this Project. Furthermore, it must be appreciated that there is no guarantee that this exploration venture will define and delineate a significant major deposit with economic gold reserves.

**TABLE 1
EXPLORATION BUDGETS**

	2001 (\$)	2002 (\$)	TOTALS (\$)
BAM JV Claims (KSL earning 50%)			
Drilling - (3,000 metres)		(2,900 metres)	
diamond coring	700,000	650,000	1,350,000
Soil Geochemistry	100,000	50,000	150,000
Geological Surveys / Prospecting	60,000	50,000	110,000
Geophysics	70,000	20,000	90,000
			1,700,000
KSL CLAIMS (KSL 100%)			
Drilling - (1,000 metres)		(2,000 metres)	
diamond coring	250,000	480,000	730,000
Soil Geochemistry	120,000	50,000	170,000
Geological Surveys / Prospecting	50,000	40,000	90,000
Geophysics	60,000	40,000	100,000
			1,090,000
SUPPORT & SUPERVISION			
Exploration Management & Consulting	210,000	190,000	400,000
Field Logistics/Support	140,000	130,000	270,000
Tenement Administration	25,000	20,000	45,000
Environmental & Rehabilitation	75,000	100,000	175,000
			890,000
TOTALS	1,860,000	1,820,000	3,680,000

DECLARATIONS

Qualifications & Experience

RCA is a well-established firm of economic and mining geology consultants, formed in January 1980 by Dr. Roy Cox, its principal consultant. The firm has undertaken consulting assignments throughout Australasia as well as many overseas locations in Africa, Asia, Europe, North America and South America. Dr Cox is the sole author of this Report.

Dr. Cox has 40 years of professional experience in the international exploration and mining industries. He is a graduate of the Royal School of Mines, London (B.Sc. [Special], ARSM in Mining Geology, 1961) and Sydney University (Ph.D. in Economic Geology, 1968). He also holds a Diploma in Exploration Management from the Australian Mineral Foundation, Adelaide (1980). Dr. Cox is a Fellow of the Australian Institute of Geoscientists and a past Fellow of the Society of Economic Geologists, Institution of Mining & Metallurgy and Australasian Institute of Mining & Metallurgy. Prior to establishing his consultancy, Dr. Cox was Chief Geologist for seven years with Placer Exploration Limited, operating exploration programs and feasibility studies throughout Australia and the southwest Pacific for gold, base metals, coal and uranium.

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Dr. Cox has extensive experience in gold, base metals and tin-tungsten. He has played significant roles in the exploration, evaluation and feasibility studies of a number of important projects and mines, including (in chronological order) Geevor tin mine (Cornwall), Levant tin-copper mine (Cornwall), Cleveland tin-copper mine (Tasmania), Pioneer nickel-copper project (Western Australia), Lady Loretta zinc-lead-silver mine (Queensland), Kidston gold mine (Queensland), Porgera gold mine (Papua New Guinea), Wolgan coal project (New South Wales), Benambra copper-zinc mine (Victoria), Forrestania nickel mine (Western Australia) and the Rosia Montana and Certej gold-silver mines (Romania).

Independence

RCA is a completely independent company and has no interest or association with KSL or any of its directors. RCA hereby warrants that its directors, management and staff have no material present or contingent interest or involvement not only with the owners or promoters of, or related parties to, KSL, but also in the outcome of this Independent Geologist's Report.

This Independent Geologist's Report has been commissioned by KSL's directors with payment to be made solely on a time-charge fee basis, as per RCA's standard "Terms of Reference & Professional Fees" dated 1st July 2000. The payment of fees to RCA is not contingent upon the outcome of the Prospectus.

Limitations

This Independent Geologist's Report is based on a review of published information and information proprietary to, and provided by, KSL. A site inspection was not undertaken by RCA, as it was not considered to be warranted. The data provided and detailed discussions with the technical management of KSL cause RCA to be confident of the veracity of the proprietary information. However, the views expressed in this Report are solely those of RCA.

Consents

RCA has given its consent in writing to the issue of the Prospectus with this Independent Geologist's Report included in the form and context in which it is included and has not withdrawn its consent before the lodgement of the Prospectus with the Australian Securities and Investments Commission.

RCA was only commissioned to prepare this Independent Geologist's Report, and has authorised only the issue of this Report. RCA has not been involved in the preparation of, nor has authorised or caused the issue of any other part of, the Prospectus in which this Report is included.

Yours faithfully,

Roy Cox & Associates Pty. Limited,



Roy Cox PhD, BSc[Special], ARSM, FAIG
Principal Consultant & Managing Director

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APPENDIX II

Mobile Metal Ion Geochemistry

Background Data

APPENDIX II

Mobile Metal Ion Geochemistry

Background Data

Overview of MMI Geochemistry®

Mobile Metal Ion

Powerful Exploration Technology: Mobile Metal Ion (MMI) Geochemistry is an advanced surface exploration technique for finding mineral deposits. If your company is serious about its mineral exploration then MMI Geochemistry is the exploration tool for you.

What is the difference between MMI and other geochemical methods?

MMI (MOBILE METAL ION) geochemistry:

1. *Primarily targets ore elements*

- Cu, Pb, Zn, Cd (MMI suite A)
- Au, Ag, Ni, Co and Pd (MMI suite B)
- Cu, Pb, Zn, Cd (MMI suite C)
- Ni, Co, Pd, Nb, Cr and Mg (MMI suite D)
- As, Sb, Hg, Mo, Se and Fe (MMI suite F)

2. *Is substrate independent*

- extracts unbound metals attached to clays, organic matter, iron oxides, etc.
- does not require a specific substrate, e.g. MnO₂

3. *Samples the A horizon of soils (5-15 cm below surface)*

- avoids B horizon sampling problems
- sampling is cheaper, and easier to access

4. *Utilizes strong ligands to retain metals in solution after extraction*

- prevents re-adsorption of metals
- allows Au to be analyzed with confidence
- provides more reproducible results

5. *Produces sharp positive anomalies for easy, direct interpretation*

- accurate siting of drilling over mineralization
- no rabbit's ears, negative anomalies
- does not rely on electro-geochemical cells

6. *Discriminates against surface transported material*

- highlights "active" source areas of metals

- of special use in laterites, carbonates, areas with cover
- highlights targets in conventional "corridors"

7. Is high resolution geochemistry

- better signal to noise ratio for detecting deep sources
- better spatial resolution for drill targeting

Mining Companies world wide are now using the MMI Technique® to find Gold, Base Metal and Nickel mineralization and Kimberlite Intrusives. MMI is a powerful geochemical exploration tool that is enabling companies to explore areas that have been previously too difficult for surface geochemistry. MMI is a must for companies searching for the next generation of bigger, often concealed, ore deposits.....MMI will take your company to new limits in geochemical exploration!.

The quest for new mineral discoveries is continually increasing. With a majority of the outcropping and shallow mineral deposits already discovered, exploration companies are now looking to explore areas with deep soil cover to discover newer and bigger hidden ore deposits. This often involves committing to large expensive and 'risky' drill programmes in the hope of striking it rich. Now with MMI, explorationists have a much better chance of success, with more precise drill hole targetting and without having to forego big dollars.

MMI Geochemistry is a cost effective surface exploration tool. The MMI Technique measures Mobile Metal Ions in surface soils. These mobile metal ions are released from ore bodies and travel upward toward the surface. Using sophisticated chemical processes and instrumentation, the MMI Technique is able to measure these ions, in surface soils, to determine accurately where buried mineralization is located.

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Puolalaki Prospect, Sweden

Company and acknowledgments:

The work described herein was compiled by Mr J Karajas,

KJIRT Exploration Services Pty Ltd

e-mail : kjirt@cygnus.uwa.edu.au

and Golden Eagle Mines AB,

Location: Puolalaki Prospect, Sweden

Background:

The Puolalaki Prospect is located 40 kilometers southwest of the town of Gällivare in northern Sweden. The prospect is held by Golden Eagle Mines (GEM) AB, a Swedish registered company. The region containing this prospect is characterised by low hills covered by pine and birch forest interspersed with marshes and lakes. Outcrop is poor and the area generally contains Pleistocene glacial till cover, which usually ranges between 2-20m in thickness.

The GEM tenements in the area encompass highly mineralised Early Proterozoic rocks which include felsic volcanics and sediments deposited about 1.9Ga and then intruded by two phases of granitoids, diorites and gabbros between 1.89 to 1.87Ga and 1.83 to 1.77Ga.

Past exploration in the region has been predominantly based on drilling around mineralised outcrops and in the vicinity of mineralized boulders found in glacial tills well as the drilling of geophysical anomalies. Prospective styles of mineralisation in the region include :

Volcanogenic massive Cu-Zn sulphide deposits as well as stratiform Ag-Pb-Zn sulphide deposits associated with felsic to intermediate volcanic sequences interbedded with thick sequences of sulphide and graphitic shales. Shear-zone hosted gold bearing quartz veins formed during the 1.89 to 1.87 Ga orogenic period.

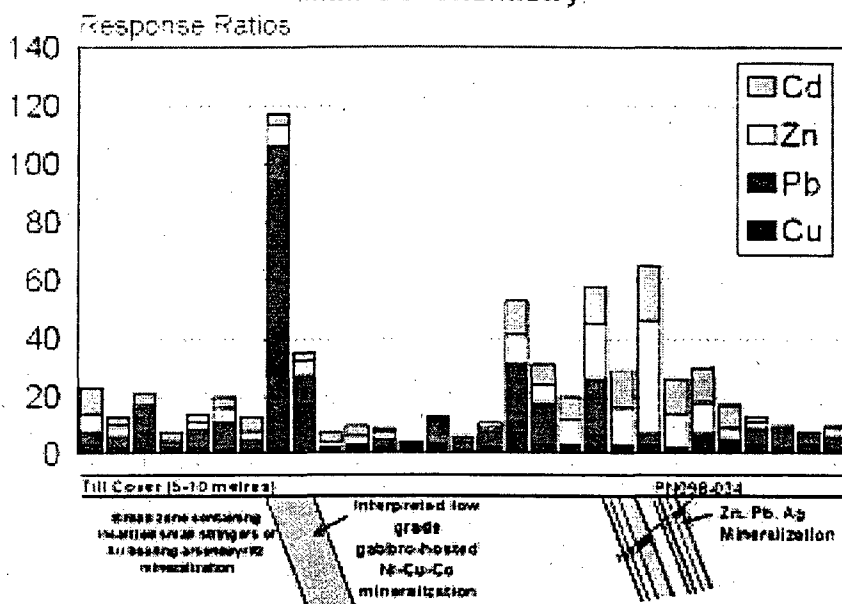
Epigenetic copper/gold deposits formed during the 1.83 to 1.77Ga period. The most prominent example of this style of deposit in the region is the Aitik mine, 15 km southwest of Gällivare, which held a total resource, prior to mining, of 600 million tonnes of 0.4% Cu and 0.2g/t Au.

Exploration History at the Puolalaki Prospect:

Exploration at the Puolalaki Prospect has been

ARCTIC BOREAL FOREST

MMI Geochemistry



Conventional Geochemistry

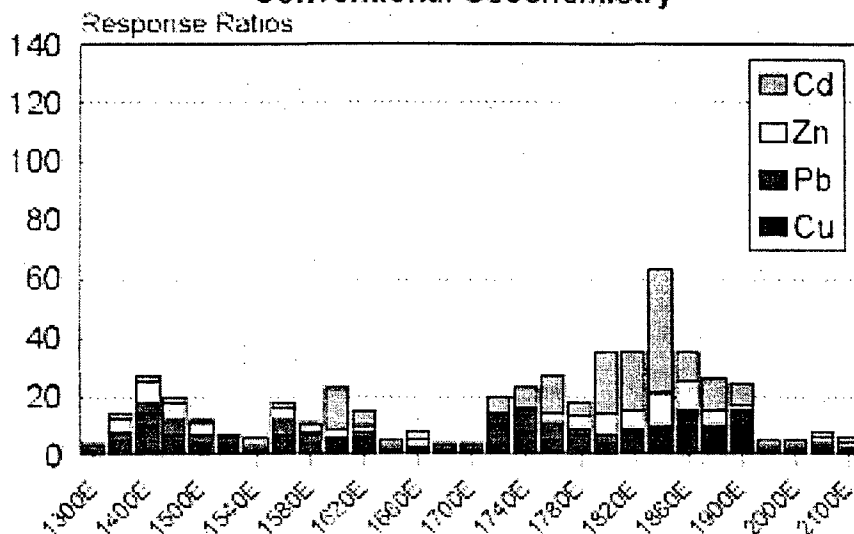
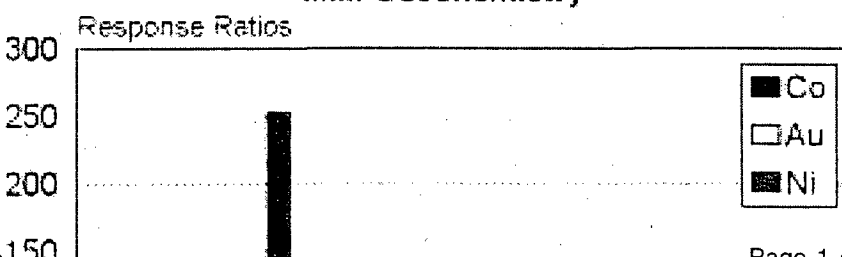


Figure 1

ARCTIC BOREAL FOREST

MMI Geochemistry



dominantly oriented towards the delineation of gold mineralization. Following discovery of peat geochemical anomalies in the mid 1980's, an intensive basal till geochemical sampling program, carried out during 1989/1990 by LKAB, delineated a zone 500m long X 300m wide of basal till gold values of up to 9g/t. Drilling of this anomalous zone delineated two small zones of bedrock mineralization as follows:

- Northern Zone – 110,000t @ 7.61 g/t Au, 0.18%Cu, 0.15%W,
- Southern Zone – 70,000t @ 2.96g/t Au.

The extensive zone of highest basal till gold values is probably derived from fluvioglacial shearing of gold from bedrock mineralisation. The basal till sampling therefore has delineated a placer deposit rather than discrete anomalies over bedrock mineralization.

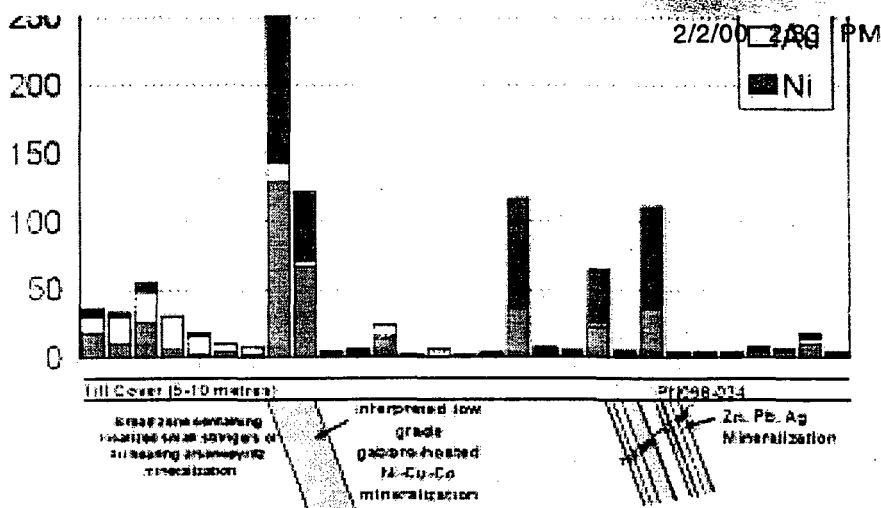
Further drilling completed by NAN AB during 1998 confirmed that the bedrock gold mineralisation has limited extent. This phase of drilling has also shown that the prospect occurs within a significantly anomalous sulphide zone. It is characterized by abundant disseminated to semi-massive pyrrhotite, which yields good responses to airborne and ground EM. Many of the 1998 drillholes have intersected zones of minor sphalerite/galena mineralisation contained within sequences of black shales, geywakes and acid to intermediate tuffs. A typical sequence of such mineralisation was encountered in drillhole PNO98-034 (see figures 1 and 2) as follows:

- 27.53 – 31.55m - 4.0m @ 0.2%Pb, 0.36%Pb, 0.36%Zn,
- 45.55 – 47.55m - 2.0m @ 4.8g/tAg, 0.45%Pb, 0.94%Zn,
- 59.55 – 73.55m - 14.0m @ 0.14% Pb, 0.2%Zn,
- 87.55- 89.55m - 2.0m @ 1.7g/tAg, 0.19%Pb, 0.42%Zn.

The 1998 drilling also encountered low-grade Ni-Cu-Co mineralization of up to 35-50m of 0.15%Ni, 0.1%Cu, and 0.05%Co within semi-massive sulphides at the margin of a gabbroic intrusive. The mineralisation is ascribed to assimilation of country rock sulphides by the gabbro.

MMI Survey:

A preliminary MMI orientation survey was undertaken by GEM at Puolalaki during 1998 to test the technique in areas with glacial overburden. Samples comprised glacial tillitic sand or black carbonaceous peat and were all collected within 20cm of the surface. Sufficient material was collected for both MMI and conventional analyses. Figure 1 shows results for MMI-A analyses, Cu, Pb, Zn and Figure 2 presents data for MMI-B, Au, Ni, and Co.



Conventional Geochemistry

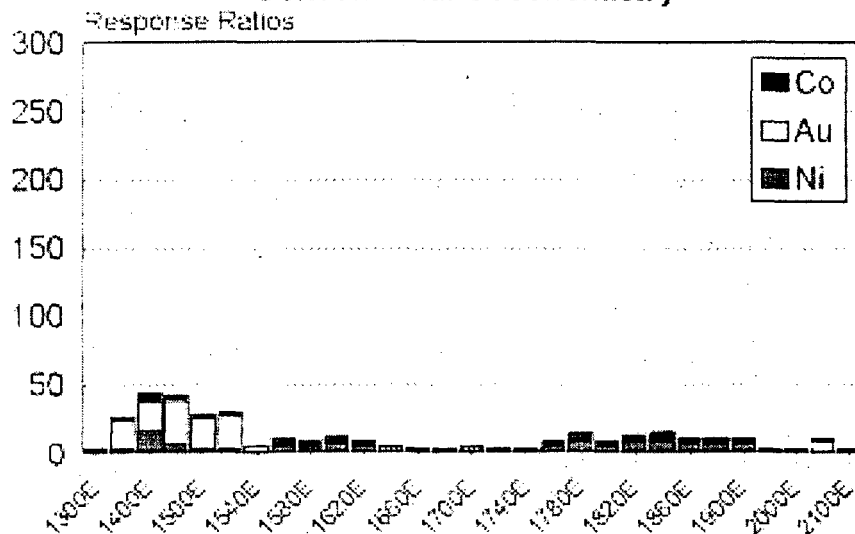


Figure 2

MMI Zn and Cd show a very clear response to Ag-Pb-Zn mineralisation encountered in drill hole PNO90-034 in the eastern section of the sampling line. MMI Zn soil values range up to 12,000ppb over the mineralisation (whereas subsequent sampling during 1998 suggested a regional MMI Zn soil background of between 20-30 ppb). Conventional Zn analyses, however, are much more subdued and display a low signal to noise ratio. Interestingly, both MMI and conventional Cd soil analyses show a clear response to the mineralisation indicating that Cd is mobile through the glacial till at this locality, and that the majority of Cd in the soil is still in a mobile or unbound form.

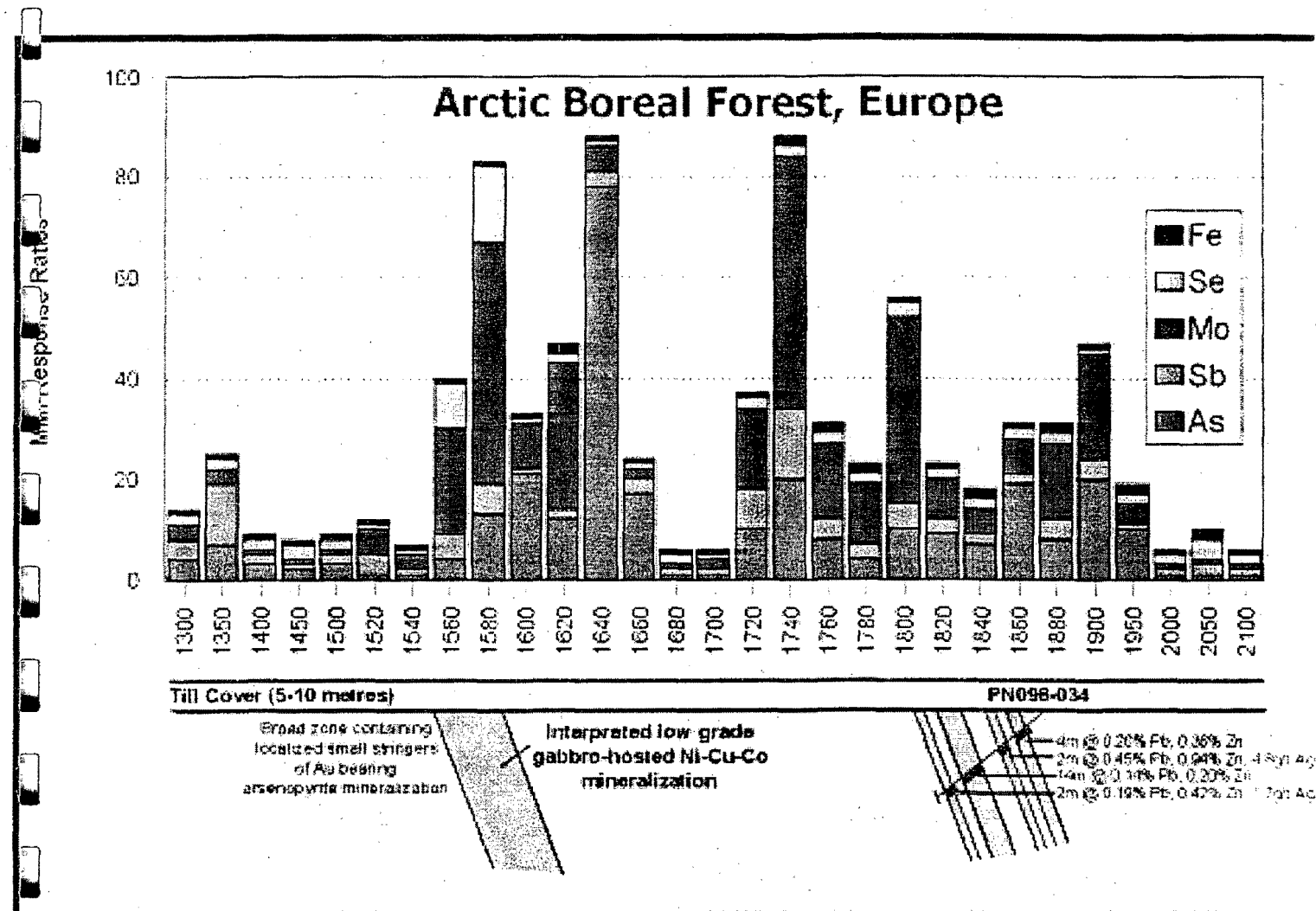
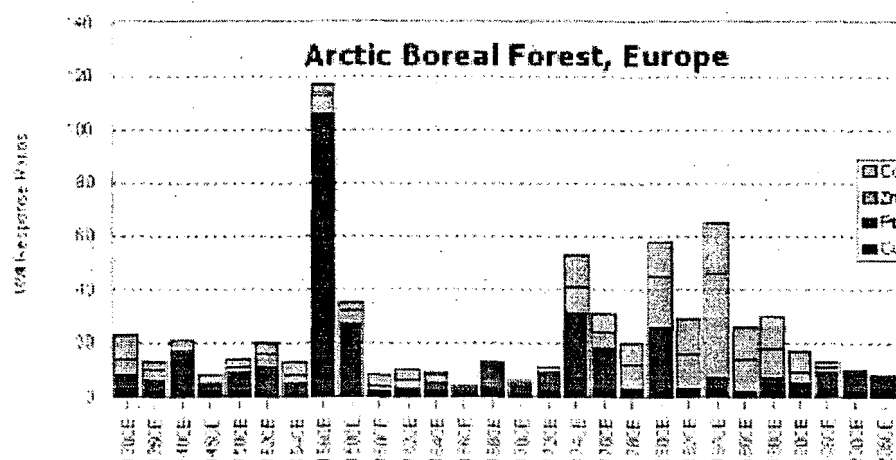


Figure 3

A very distinct Cu/Ni MMI anomaly occurs in the western section of the orientation line. Cu values reach 3050ppb over a background of about 30ppb whilst Ni responses reach 2050ppb with backgrounds of 20ppb. By contrast, conventional Cu and Ni soil values are very subdued. The anomaly is interpreted to occur over low-grade gabbro hosted Ni-Cu-Co mineralisation.

MMI Au soil responses confirm the bedrock gold mineralisation at Puolalaki is of limited extent. A subtle Au anomaly at the western section of the sampling line suggests weak disseminated Au mineralisation, similar to that already encountered in drillholes in the vicinity. Alternatively it may represent a response to weak surface placer Au (see conventional Au analyses in Figure 2).

A pathfinder element suite MMI F, comprising As, Sb, Mo, Se and Fe (see Figure 3) was also determined for the soil samples from Puolalaki. The most significant elements include As and Mo over base metals and Se in addition over Ni-Cu-Co mineralisation. A direct element



In summary, the orientation line demonstrated that MMI geochemistry recorded clear commodity element responses over base metal mineralisation in glacial till mantled terrains in northern Sweden. A pathfinder element leach also defined mineralisation centers but gave broader, less constrained anomalies.

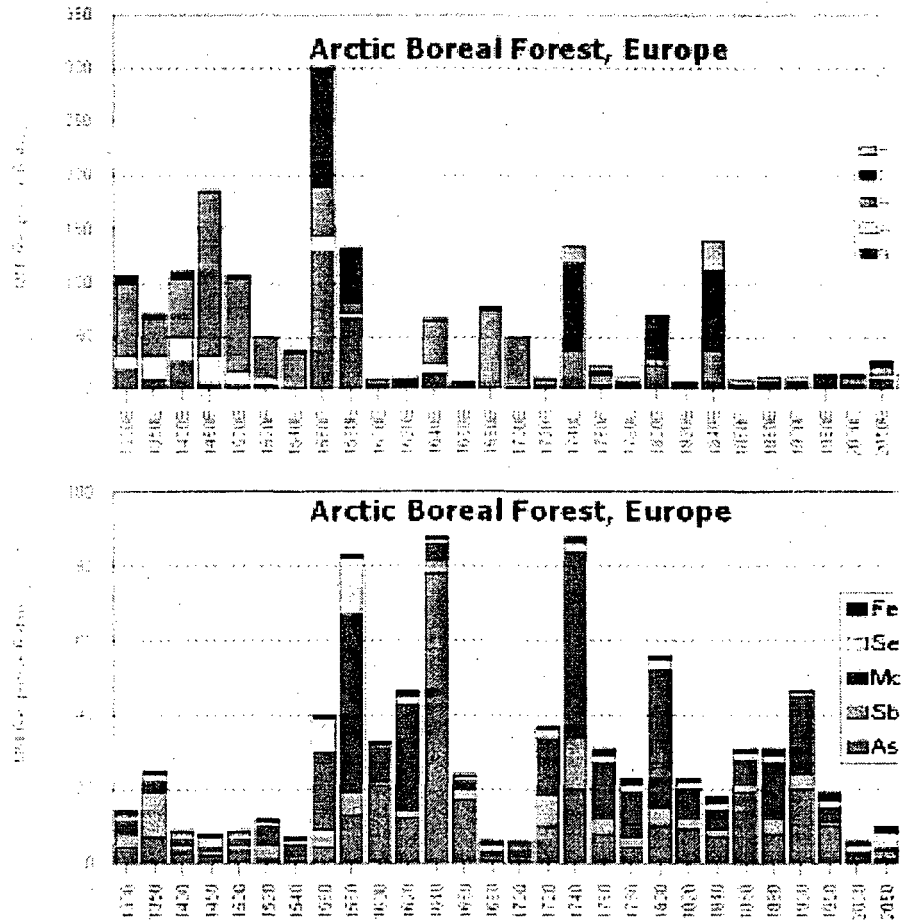


Figure 4

Follow-up Regional MMI Sampling:

During late 1998 additional MMI sampling was completed over other GEM AB tenements. Good responses to previously drilled Cu/Au mineralisation was recorded at the Sorvanen South Prospect near the Aitik Mine.

In the vicinity of the Puolalaki Prospect district MMI responses were recorded over weak Ag-Pb-Zn mineralisation at the Navartu and Artuvaara South Prospects. The area surrounding Puolalaki contains thick sequences of graphitic sulphidic shales which are clearly delineated by airborne EM. The area is interpreted to have been a pull-apart basin during early Proterozoic deposition. Widespread weak Ag-Pb-Zn mineralisation occurs within the anomalous beds and the area is inferred to hold prime potential for the discovery of large Ag-Pb-Zn stratiform sulphide deposits.

Implications for Exploration:

Important implications for exploration in northern Sweden arising from the MMI surveys include:

- an ability to detect buried mineralisation beneath a significant thickness of glacial till overburden,
- substantial cost savings could be achieved by combining geochemical and geophysical information to prioritize targets and reduce the meterage of first pass exploration drilling,
- reconnaissance MMI sampling over the extensive airborne EM anomalies holds good potential for the discovery of large stratiform/stratabound base metal deposits, and
- commodity element responses are the most useful for drill targeting.

APPENDIX III

Adamson, R.G. 2000

MMI Orientation Survey, June 2000

Some Initial Observations and Preliminary Interpretation

APPENDIX III

MMI ORIENTATION SURVEY – JUNE 2000

SOME INITIAL OBSERVATIONS & PRELIMINARY INTERPRETATION

R G ADAMSON

2 JULY, 2000

INTRODUCTION

A total of 213 orientation samples were collected between 3 and 9 June. Analytical results by XRAL Labs of Toronto were received in batches during 23-37 June.

Three different digestions for separate element suites were carried out:

Digest A	Base Metals	Cu Pb Zn Cd
Digest B	Precious Metals	Au Ag Ni Co Pd
Digest F	Pathfinders	Fe As Se Mo Sb Hg Te Bi

In line with data presentation procedures discussed with Russell Birrell (MMI Consultant) and further described in the MMI Operations Manual, the analytical data has been rationalised to Response Ratios and plotted as bar charts – see attached document.

RESPONSE RATIOS

Theoretically, MMI digests take up ONLY the loosely held metal ions and the analyses are considered to be independent of the TOTAL quantum of metal in the sample; ie they are RELATIVE numbers, not absolute metal values.

On that basis MMI values are scanned to determine a background value for each element. It has been MMI practice to assume that the values in the lowest quartile are the background. Metal values that are greater than the lowest quartile are then divided by the lowest quartile/background value in order to obtain a measure of anomalism. The resulting numbers (the multiple by which any particular sample value exceeds the background value established for the survey) are termed "Response Ratios". This is simply another way of saying "the anomaly is x times the background value accepted for that element in a particular survey/environment/domain etc".

TREATMENT OF KLONDIKE DATA

The first decision was whether or not to regard all the orientation samples as a single survey. Given the geographic spread and interpreted differences in geological setting for most of the chosen traverses, it seems reasonable to determine individual backgrounds for each particular traverse.

The exception comprises traverses 2, 3 & 4 which are essentially a baseline and two crosslines covering a single area. The data for these three lines were treated as a single set for the purposes of estimating a background for that area as a whole.

A number of differing trial plots were made and assessed for ease of comprehension and interpretation. The scheme adopted consists of separate plots of groups of Response Ratios (RR), as follows:

Au & Ag as side-by-side bars	– the target precious metals
Pd Ni Co as stacked bars	- basically platinoid associates but may have some local relevance (see later comment)
As Se Mo Sb Te Bi as stacked bars	- the "pathfinder" metals
Cu Zn Cd Pb as stacked bars	- base metals

DISCUSSION OF RESULTS

1. The Survey Overall

Precious metals:

Au and/or Ag anomalies of 10 or greater occur on all lines except 6 and 7 which are notably less anomalous in precious metals.

Platinoid associates:

Co - has a tendency to elevate in association with Au but (?significantly) not with Ag. May be a useful discriminant.

Ni - probably reflects lithology (local greenschist/ultramafic components of the Klondike Schist group).

Pd - is fairly constant and unremarkable.

Pathfinders:

Te - generally anomalous along with Au

As, Se, Bi, Sb, Mo - with rare exceptions little association with Au; do not appear particularly useful.

Hg - almost totally at or below detection (?as expected).

Basemetals:

Cd, Cu - some general correlation with precious metal anomalies.

Pb, Zn - unremarkable.

Sampling Intervals:

50m intervals appear quite adequate across strike. For lines along strike with a regional exploration objective, 100m and possibly 200m would suffice.

2. Area of Traverses 2, 3 & 4

Line 2 is a N-S baseline sampled at 100m intervals.

Line 3 is a crossline to the east; the sample for 0 East is baseline sample K0033 (25m samples).

Line 4 is a crossline to the east; the sample for 0 East is baseline sample K0075 (25m samples).

Background values were determined for the combined set of results for each element.

Au - RRs of 5 to 10 x b/g on each of the lines. These are the strongest gold RRs in the entire survey.

Ag - is less anomalous in this area. There are stronger Ag anomalies in other parts of the survey.

This area is regionally more anomalous in the Pathfinder elements - as might be expected given that Au and Ag are more anomalous here. Tends to suggest MMI results are congruent with the general geochemical/geological expectations.

Traverse 2 - the 200m section from K0072 to K0074 has Au up to 10X b/g, together with 20X Te and 7X Co. Altogether, the strongest anomaly in the survey wrt to Au RRs and that of apparently favourable associated elements. This lies between the western ends of Traverses 3 and 4.

Traverse 3 - The strong (20 - 40 RR) Au at K0038-39 is at the eastern, downhill end of the line where considerable permafrost was encountered and soil was skeletal, possibly rock slide/glacier environment. It is "anomalously" anomalous wrt to magnitude and the absence of supporting elements and therefore, possibly spurious. Another explanation might be the presence of transported fine

grained particulate gold in this colluvial, steep slope situation. This could demonstrate the need to collect conventional soil samples as well in order to differentiate such possibilities.

Samples K0047-58 locate Au and Ag with RRs of c. 5X over a 300m section. This has good Te support, lesser so with other metals. Samples K0064-66 show Au to 10X and Te to 22X; the strongest combined Au/Te anomaly in the survey. These appear to be two important anomalies with metal associations suggesting correlation with the strong anomaly of Traverse 2.

Traverse 4 – Samples K0090-96 over 100-150m at downhill, eastern end have RRs of 2 to 5X for Au and Ag; though a weak precious metal anomaly, it does have support from Co, Te and basemetals. The strongest precious metal in the line is Au of 5-10 RR (samples K0111-112 over 50m) with moderate support by Co and Te. Near the uphill end (west) samples K0116-122 show a weak Au anomaly with slight pathfinder support.

3. Traverses 1 & 5

Only Au Ag Co Ni Pd were originally requested MMI. Base metals have been added but are not yet to hand.

Traverse 1 – has the strongest and broadest Ag anomaly of the survey (RR of 10-20X over 200m). Au is weak (RR 5x) and restricted and is not supported by Co. The conventional –80# samples of 1999 did not report anomalous Ag in this line. The exploration relevance if any, of strong MMI Ag anomalism in this area is not yet clear.

Traverse 2 – the single 25X RR for Au at the northwest end is suspect because it lacks any Co signature. It appears similar to the strong Au at the east end of Traverse 3 but is in a very different sampling environment (ice free residual soil along a ridge). This site is easy to access and will be resampled and extended say 150m northwest.

4. Traverse 6

This line has the weakest precious metal profile of the entire survey – all Au and Ag RRs <5. Although Mo and As are somewhat more anomalous here than elsewhere there would appear to be no exploration interest in this particular area.

5. Traverse 7

On this line the reported MMI values of Au and, to a lesser extent Ag were the highest for the survey. However, when rationalised to RRs there are few if any precious metal anomalies on this line (maximum RR of 5) A 150m section (samples K0194-200) which is weakly anomalous in Ag and slightly so for Au has some support from anomalous Te and Bi. This area has uncertain relevance which may become more clear when further sampling is done on the neighbouring Traverse 5.

CONCLUSIONS

In the absence of identified mineralisation the interpretation of these MMI data remain problematic.

However, taken at face value there appears reasonable confidence that an area of at least 200m x 250m near the junction of Traverses 2, 3 & 4 is definitely anomalous wrt Au and Ag. With RRs of 5 to 10 the defining anomalies are strong relative to background and the associated anomalous elements are those which would be expected for primary granitoid intrusive related mineralisation in this region. This anomalous zone should be further defined up using duplicate -80 soil geochemistry and MMI geochemistry to verify and extend the anomaly.

The exploration significance of lesser MMI anomalies remains to be determined.

It seems clear that MMI can define some areas (eg Traverse 6) as conspicuously lacking precious metal anomalism. This suggests that the method suppresses geochemical "noise" and is at least, a useful exploration tool for discriminating favourable and unfavourable environments.

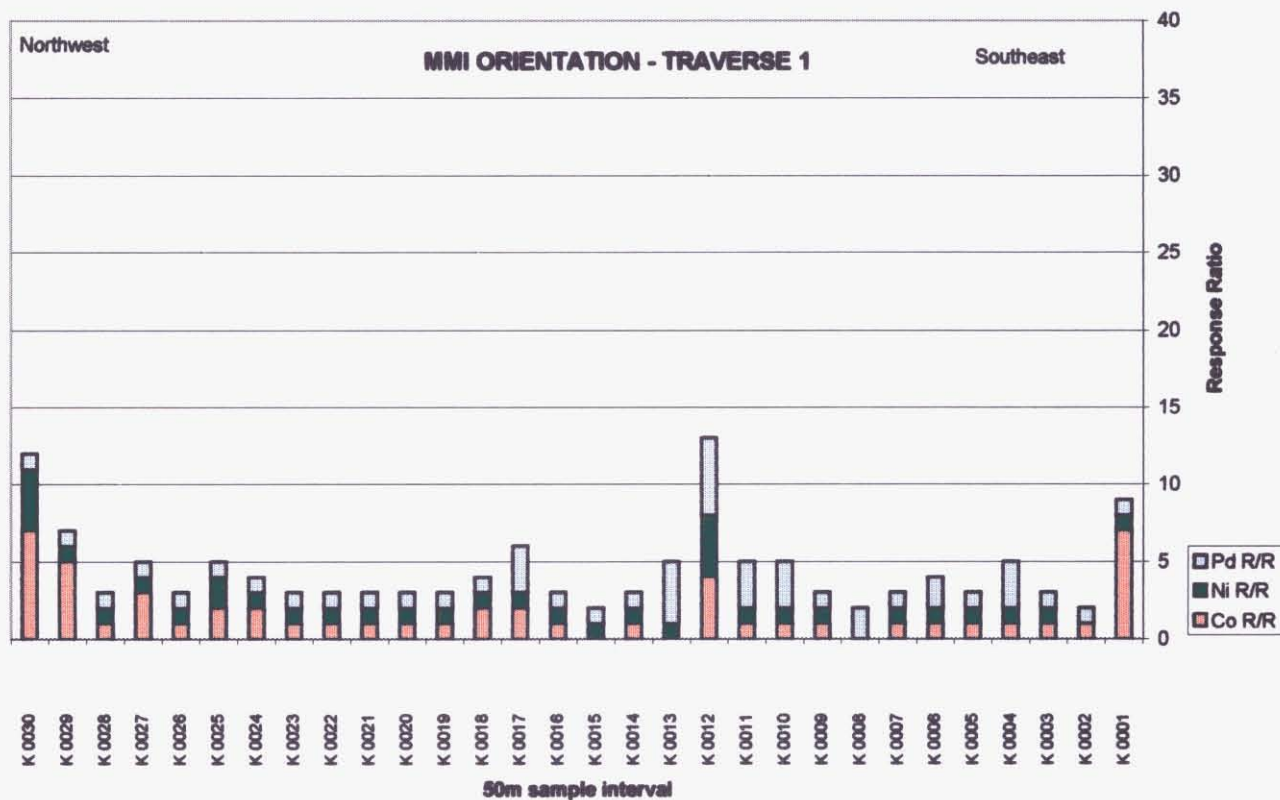
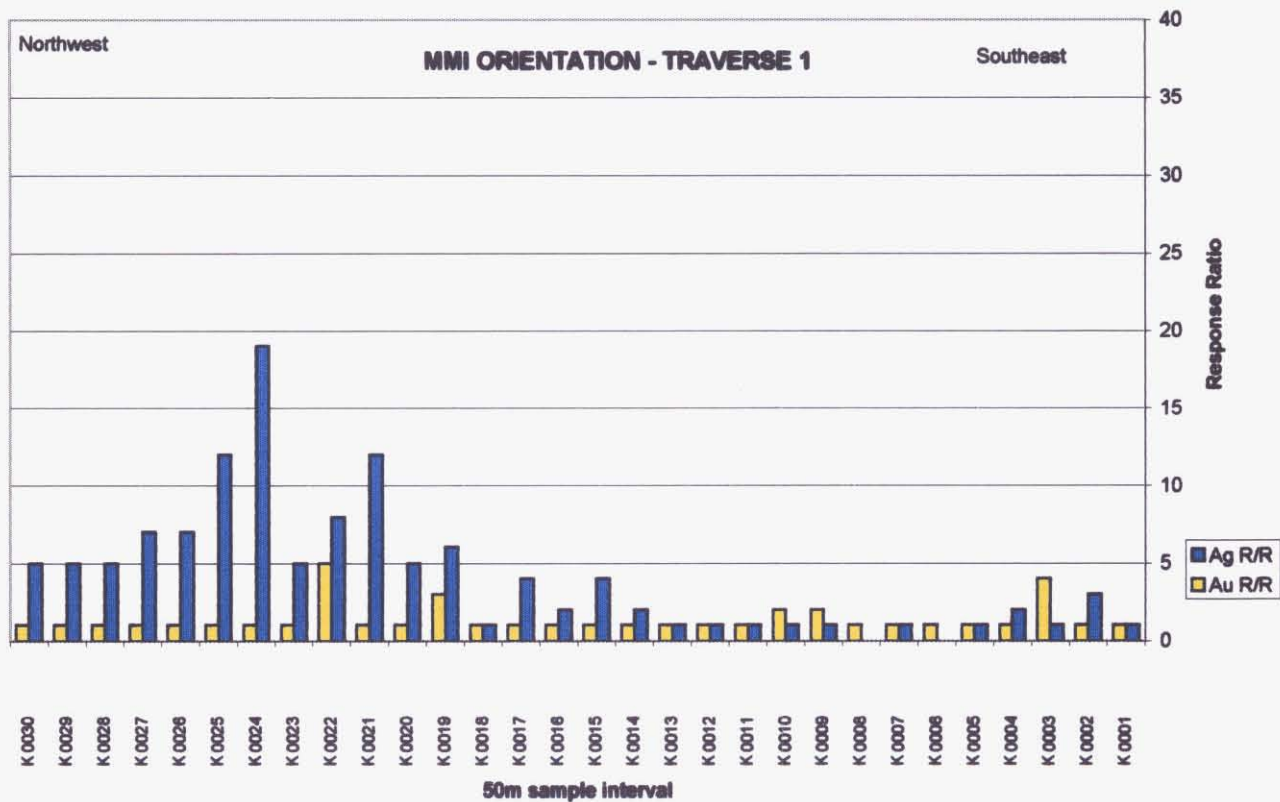
Considering the usefulness/applicability of the various digests/analysis schemes, it appears that Digest A (for base metals) can be safely dispensed with on the grounds that the metals show a fairly uniform background and only a limited correlation with the precious metals. In Digest B (precious metals) the Pd analyses could be left out if there is a cost saving to be had. Digest F likewise should be restricted if cost effective to As Se Te Bi.

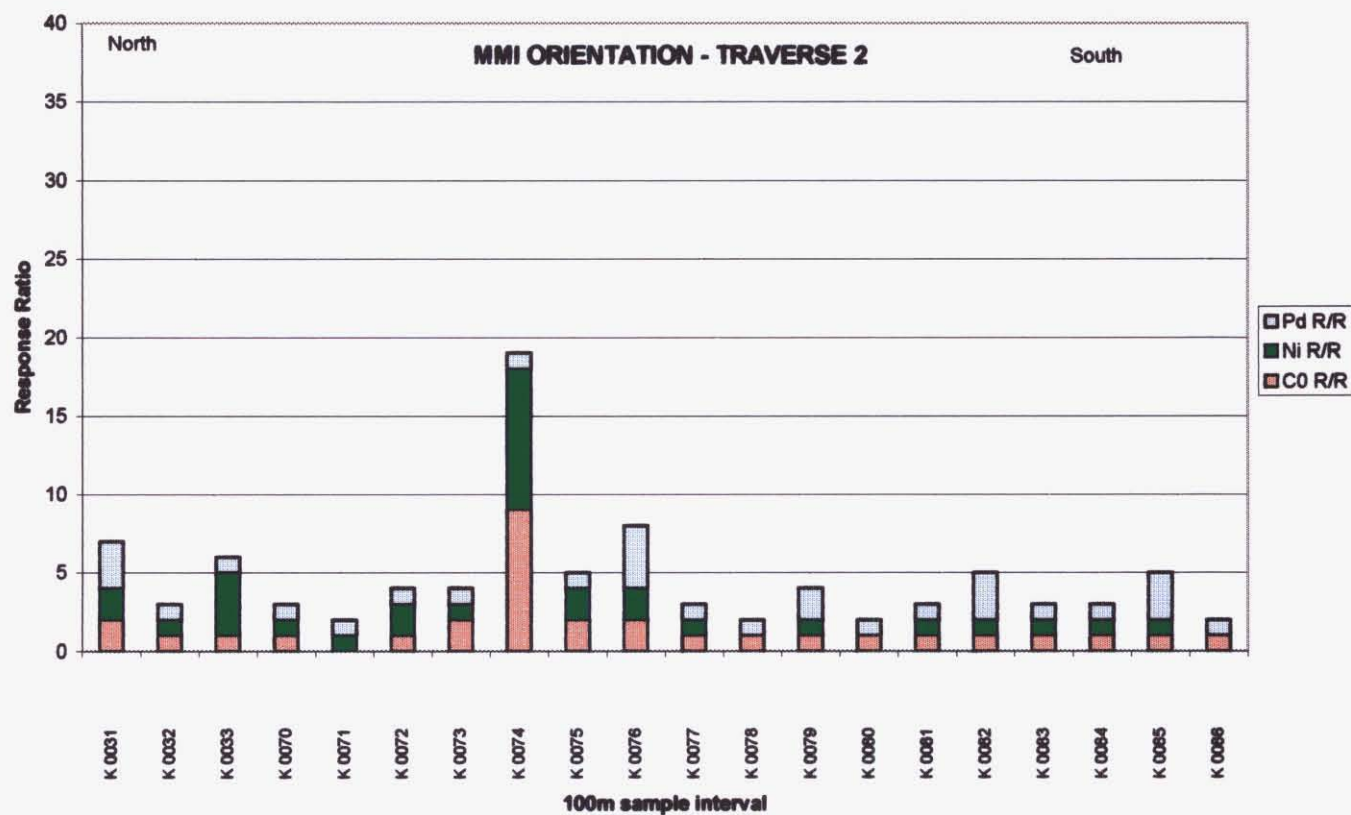
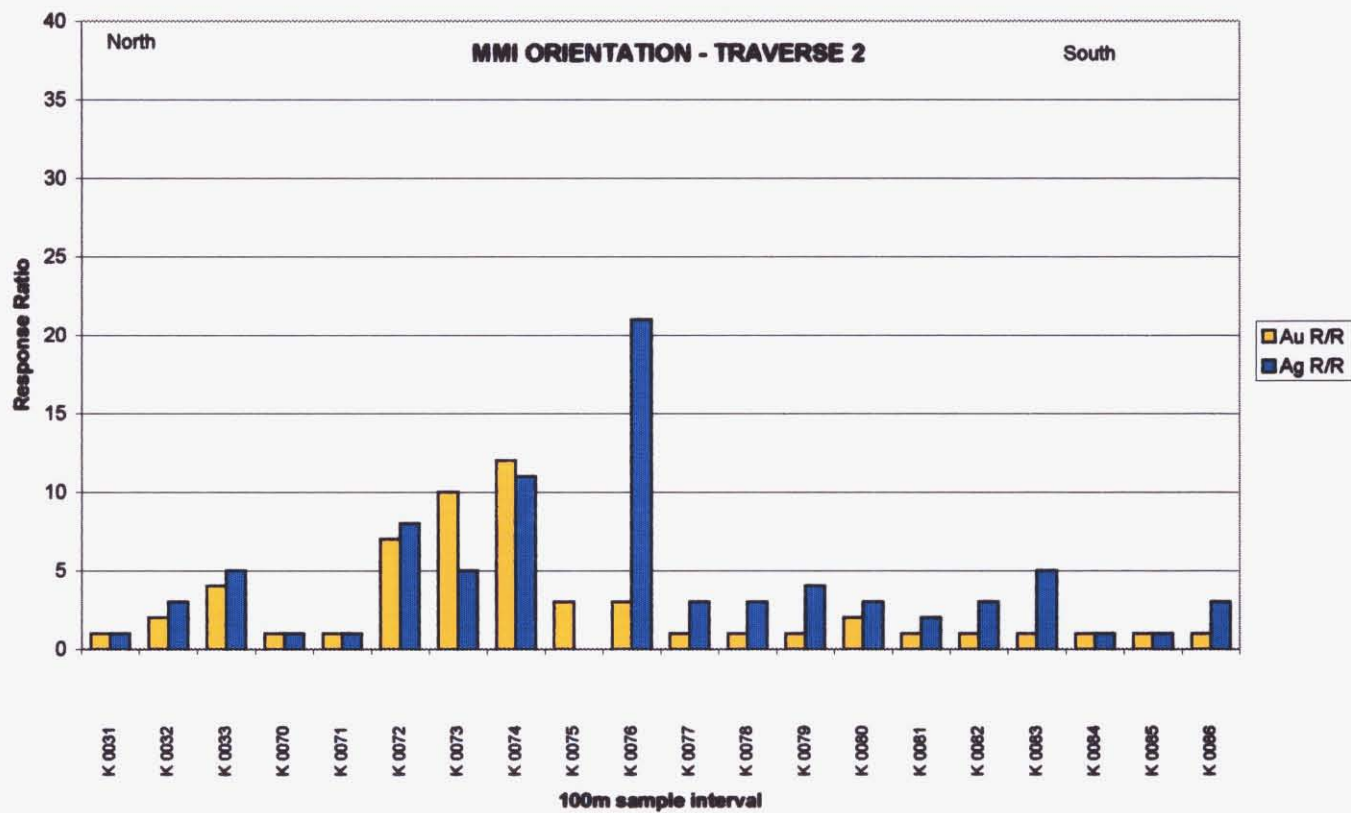
The provisional conclusions from this orientation survey include:

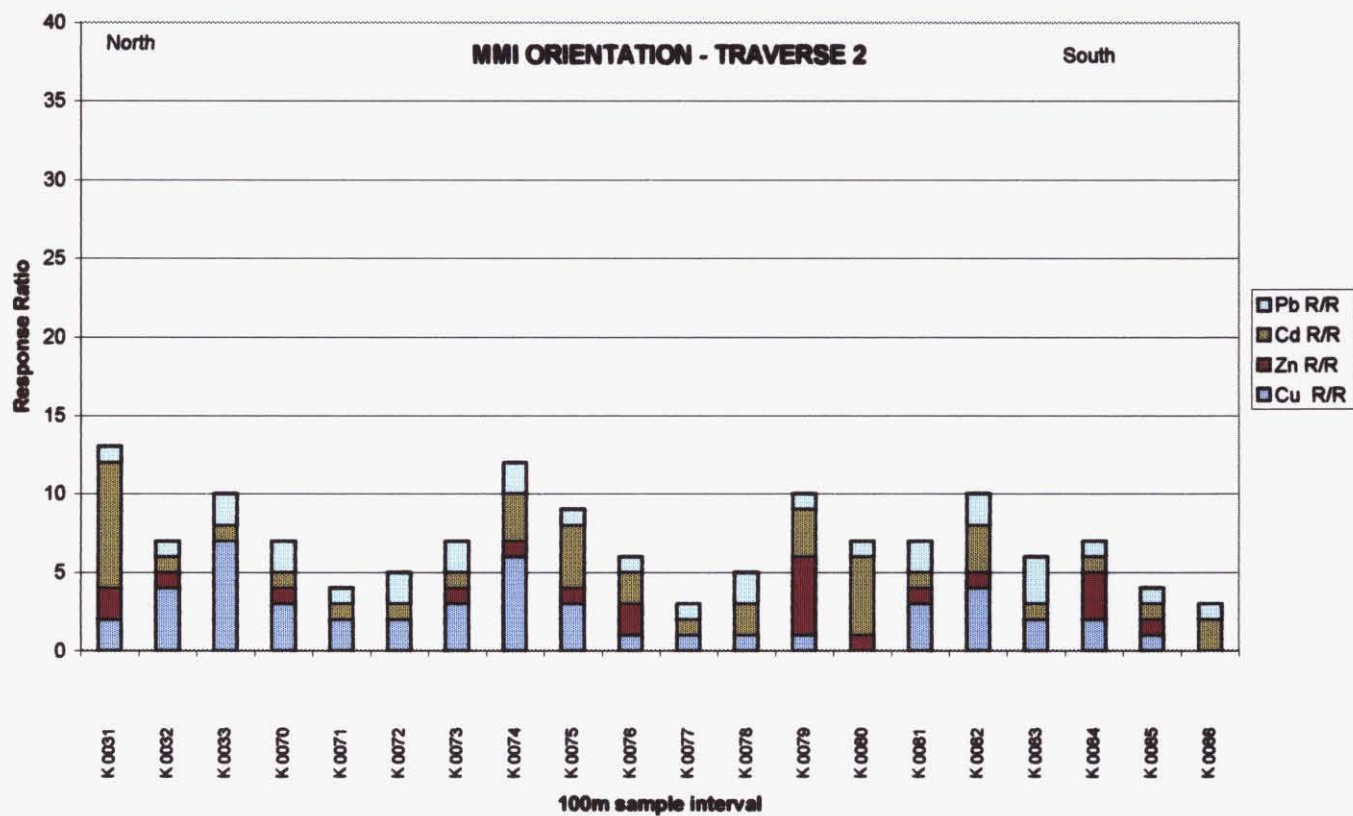
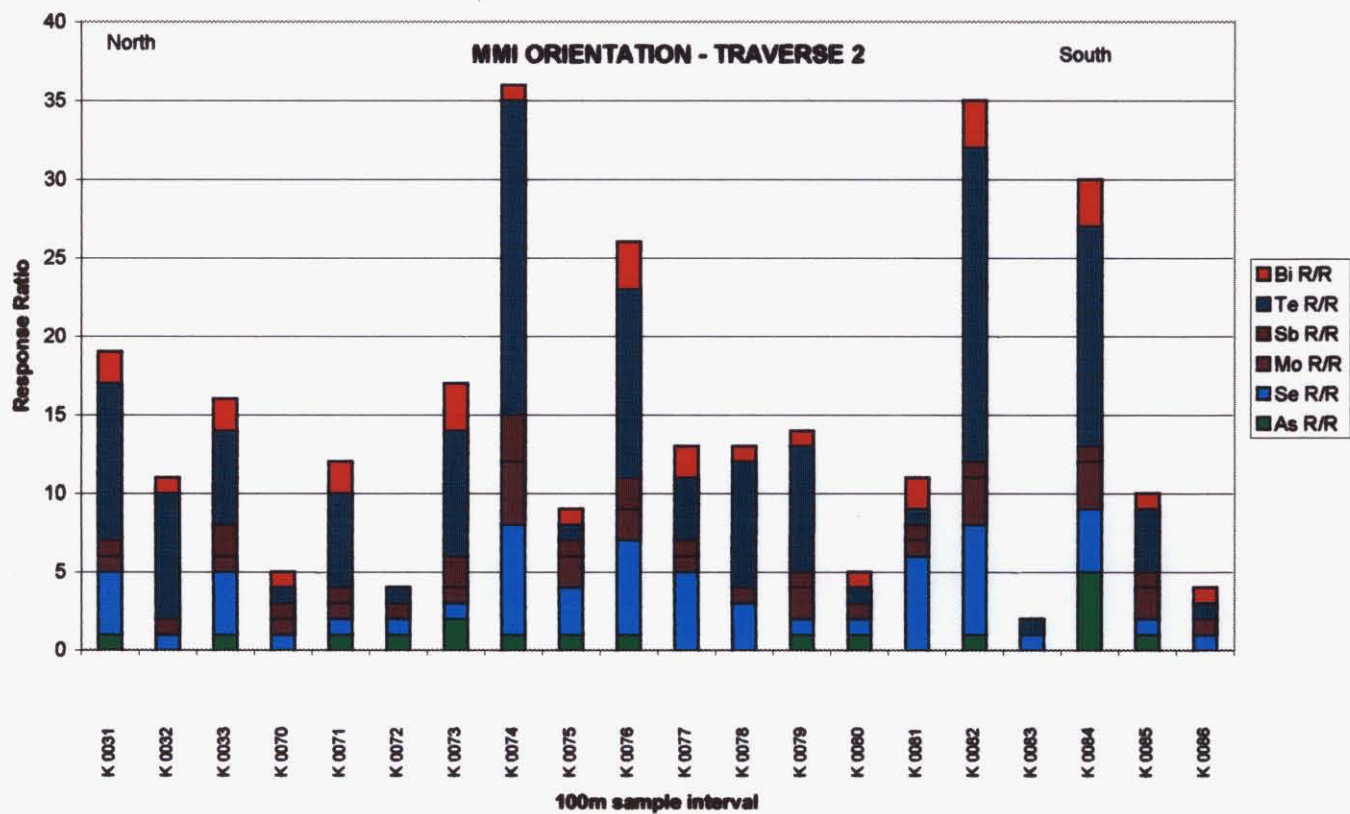
- An area of potential gold exploration interest has been indicated by Traverses 2,3 & 4
- At least one traverse (Traverse 6) appears clearly negative for gold and silver mineralisation
- Results elsewhere are less clearcut – pretty much the usual case for any geochemical survey.
- 50m sampling will reasonably define areas of interpretative/exploration interest; 100 to 200m sampling may suffice for regional reconnaissance.
- Digests and analytical schemes could be reduced to:

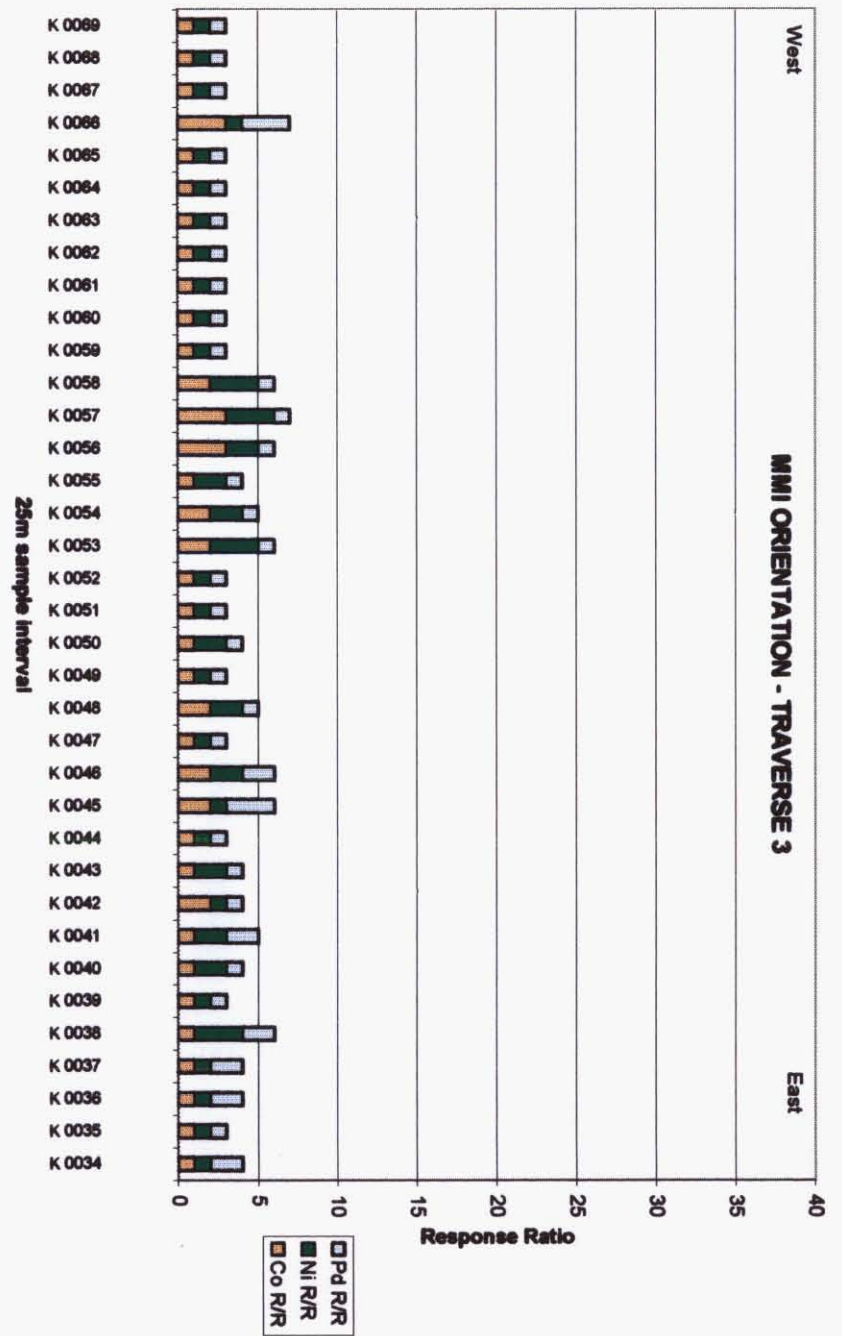
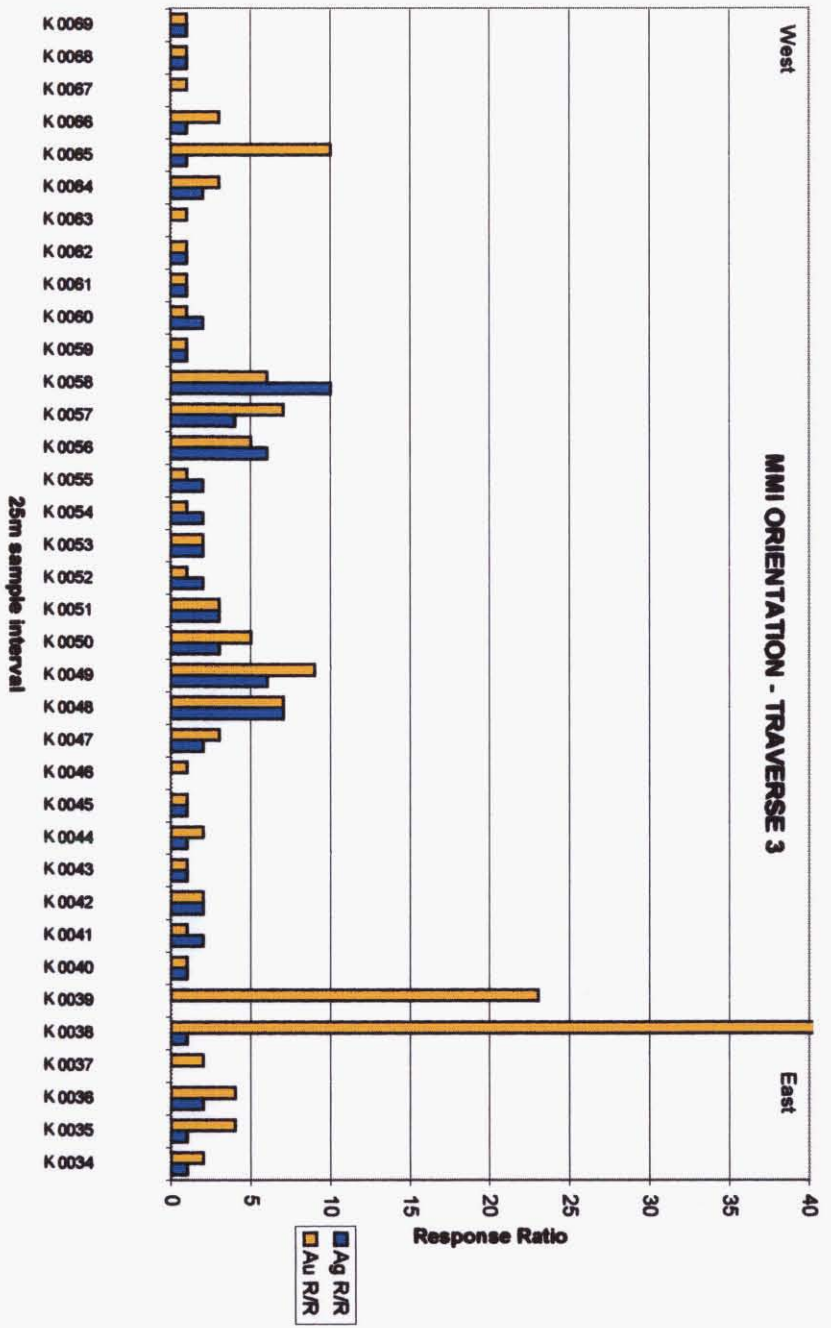
Digest B (Au Ag Ni Co)
Digest F (As Se Te Bi)

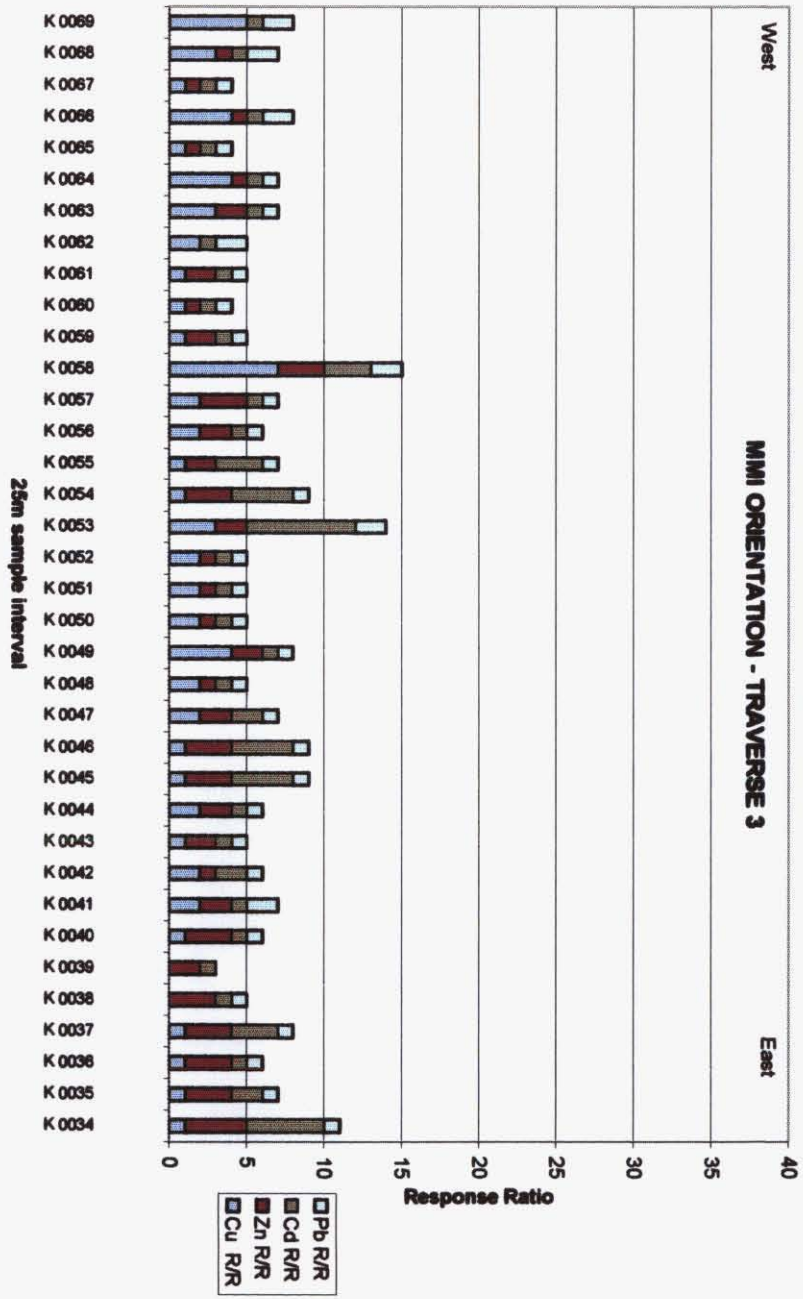
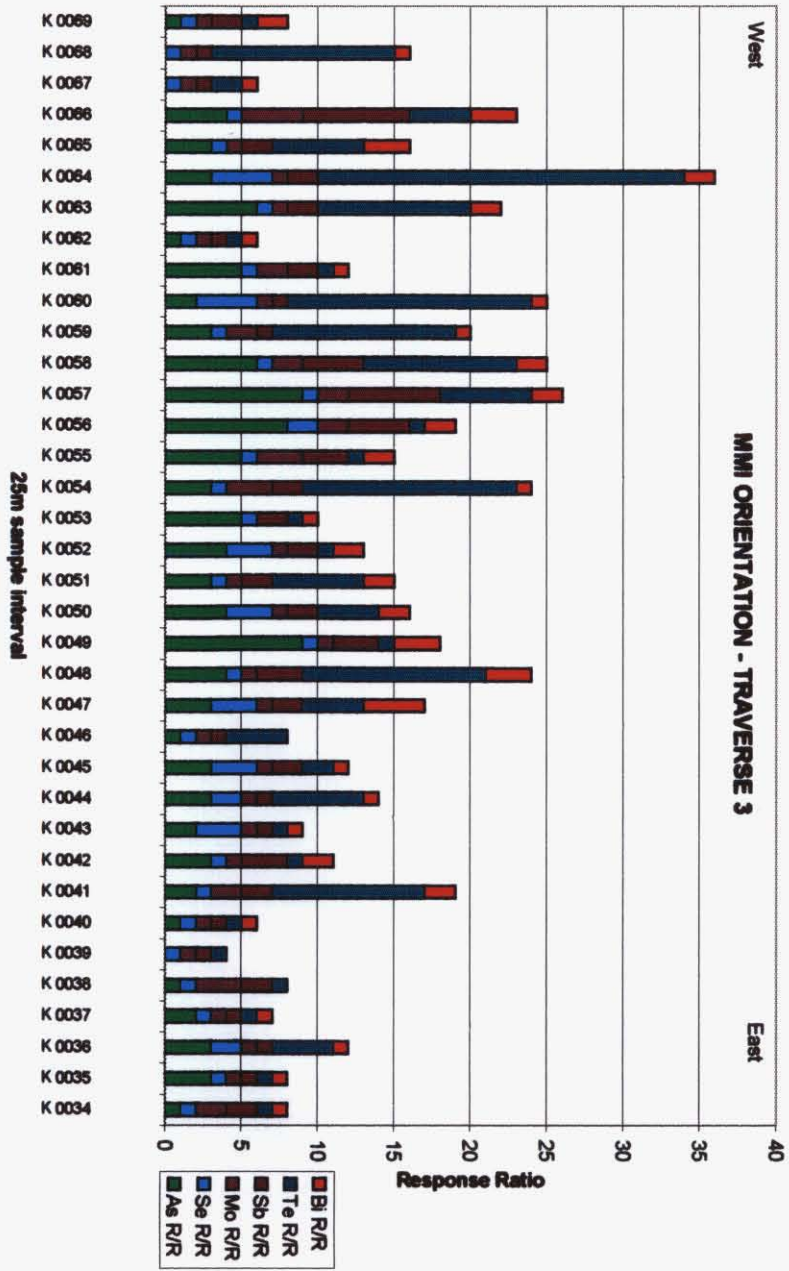
R G Adamson
Dawson City 2/7/00

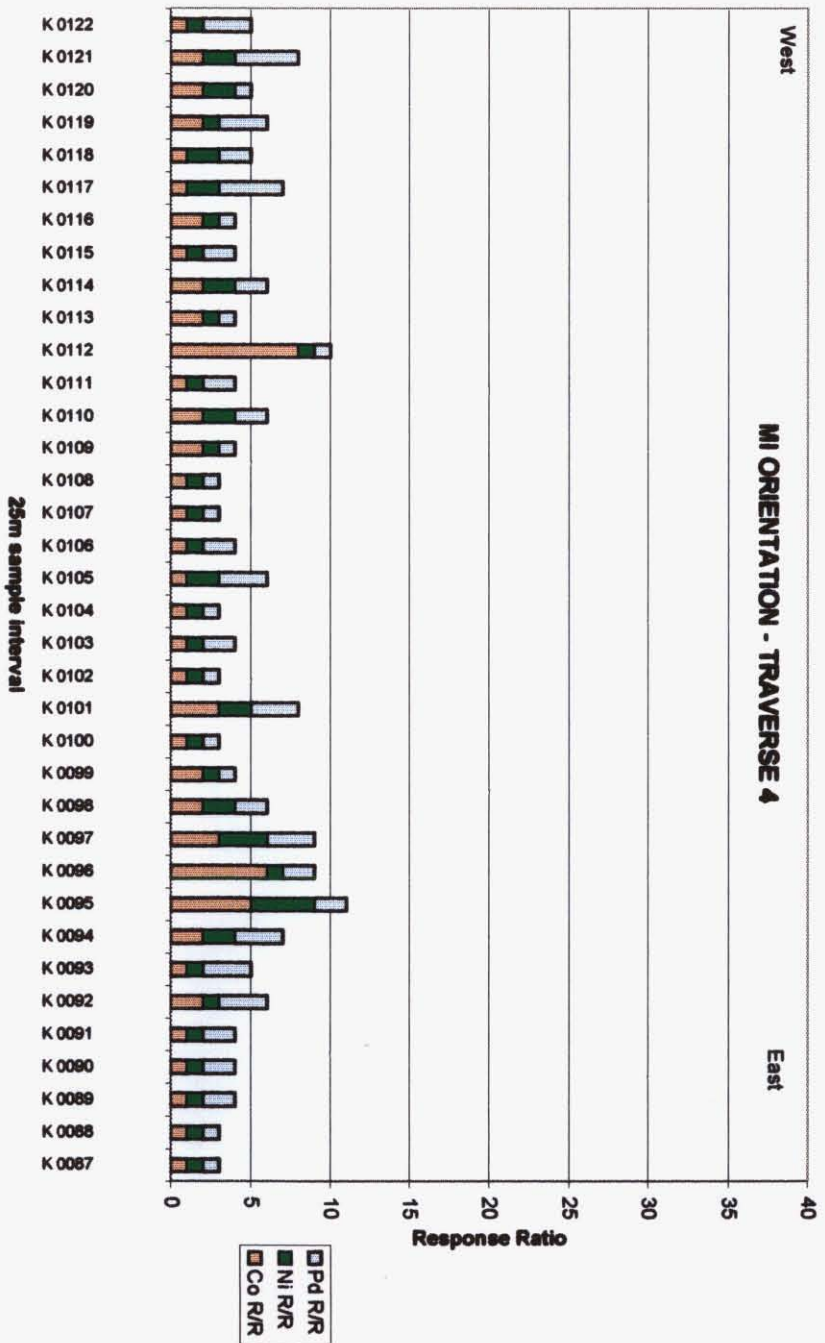
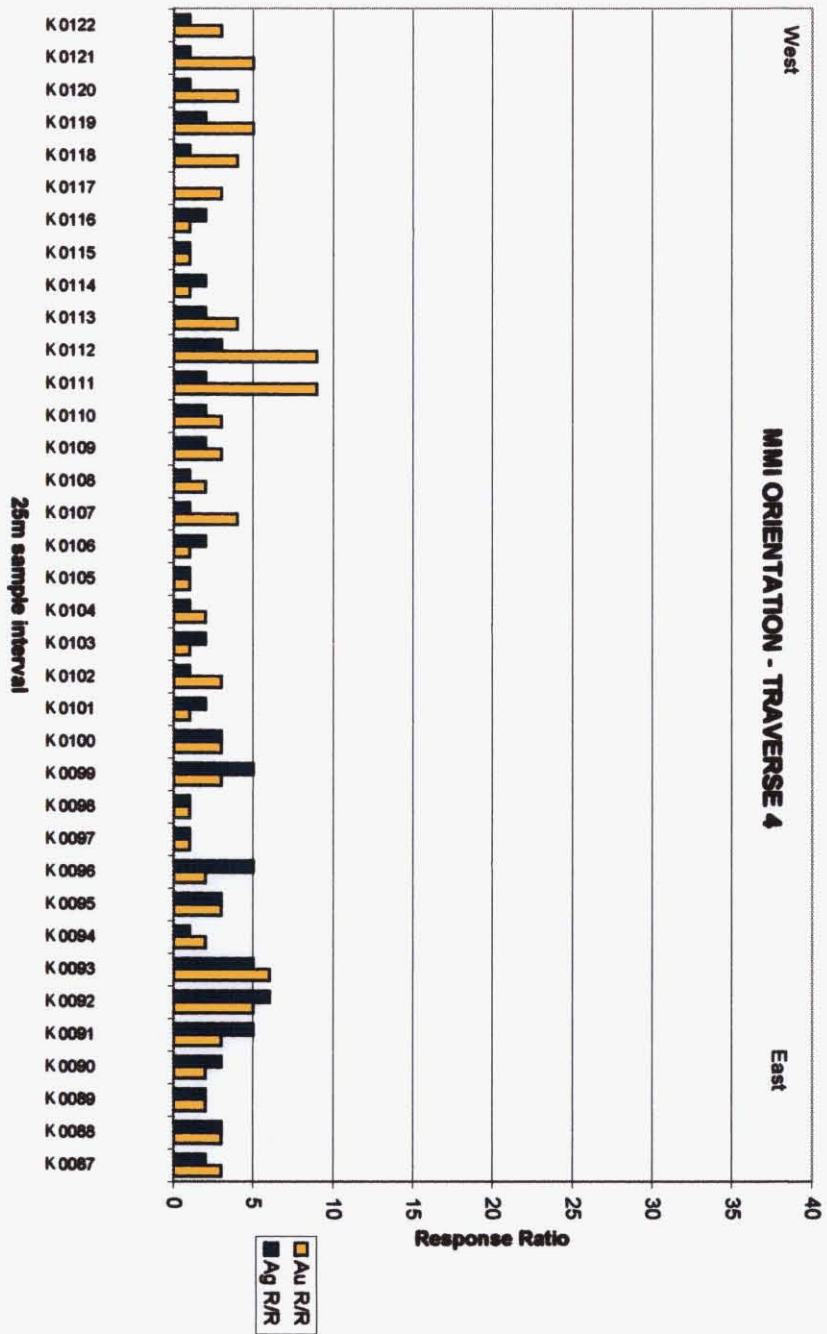


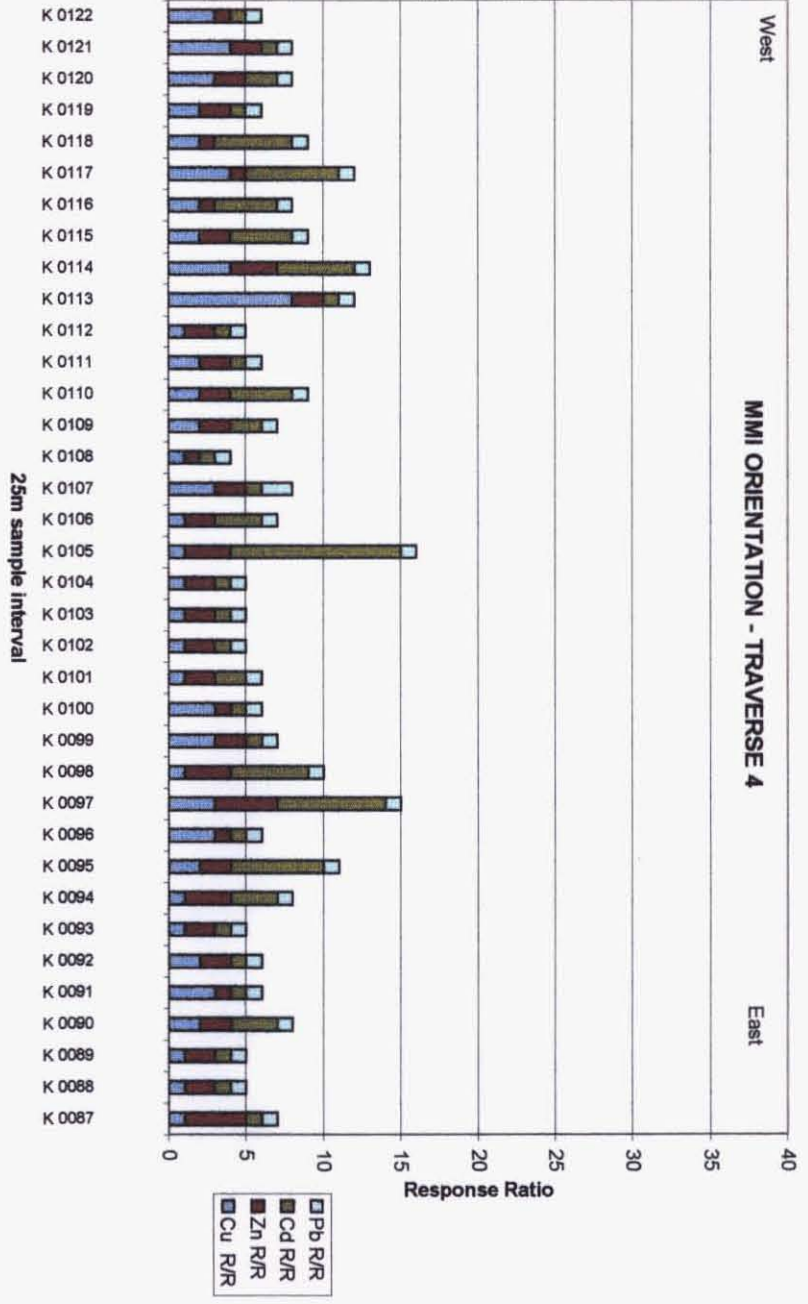
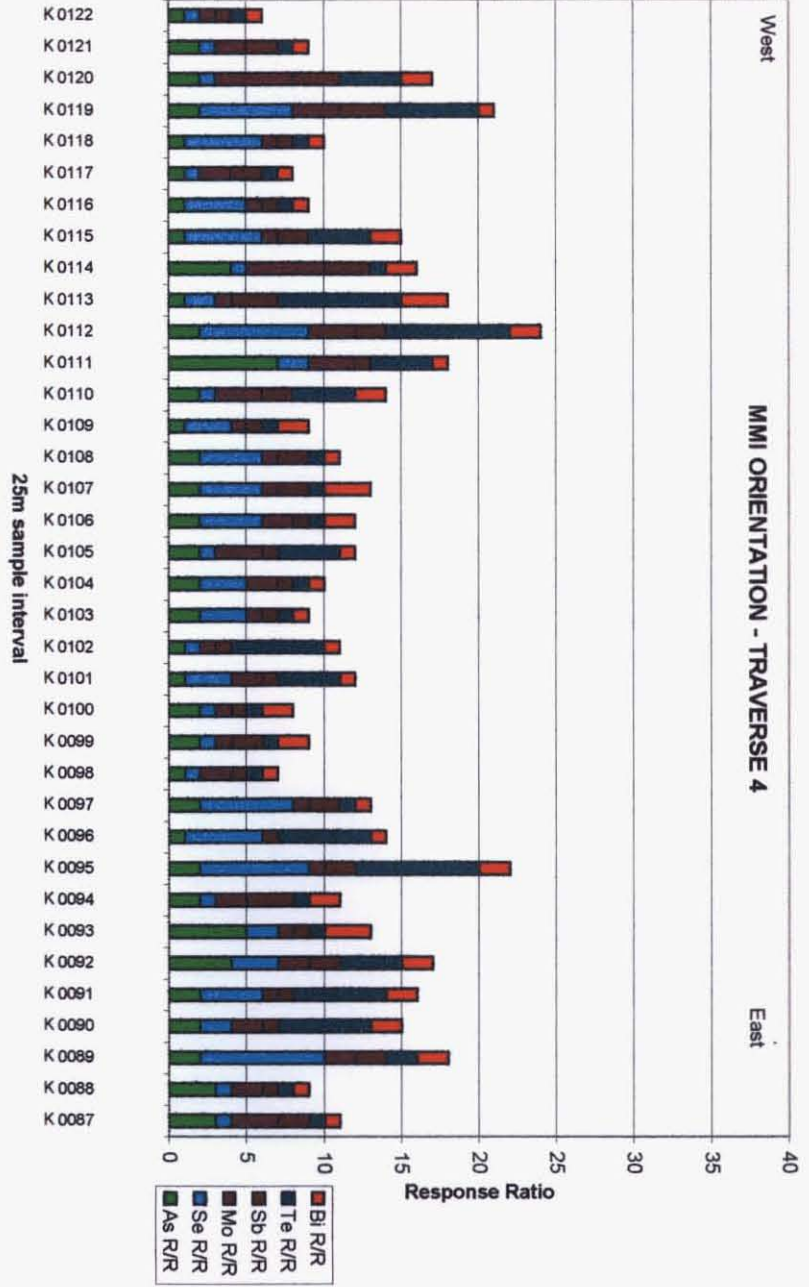


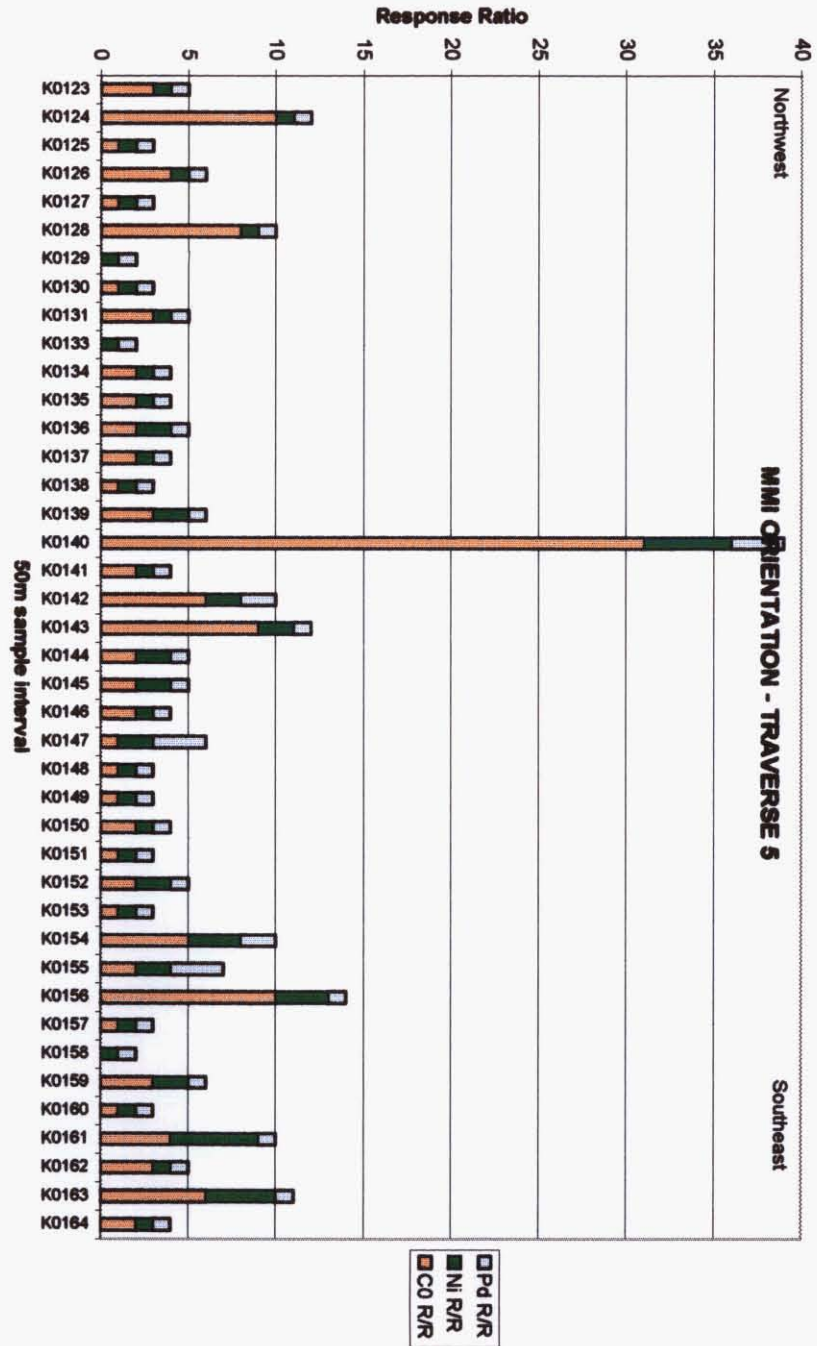
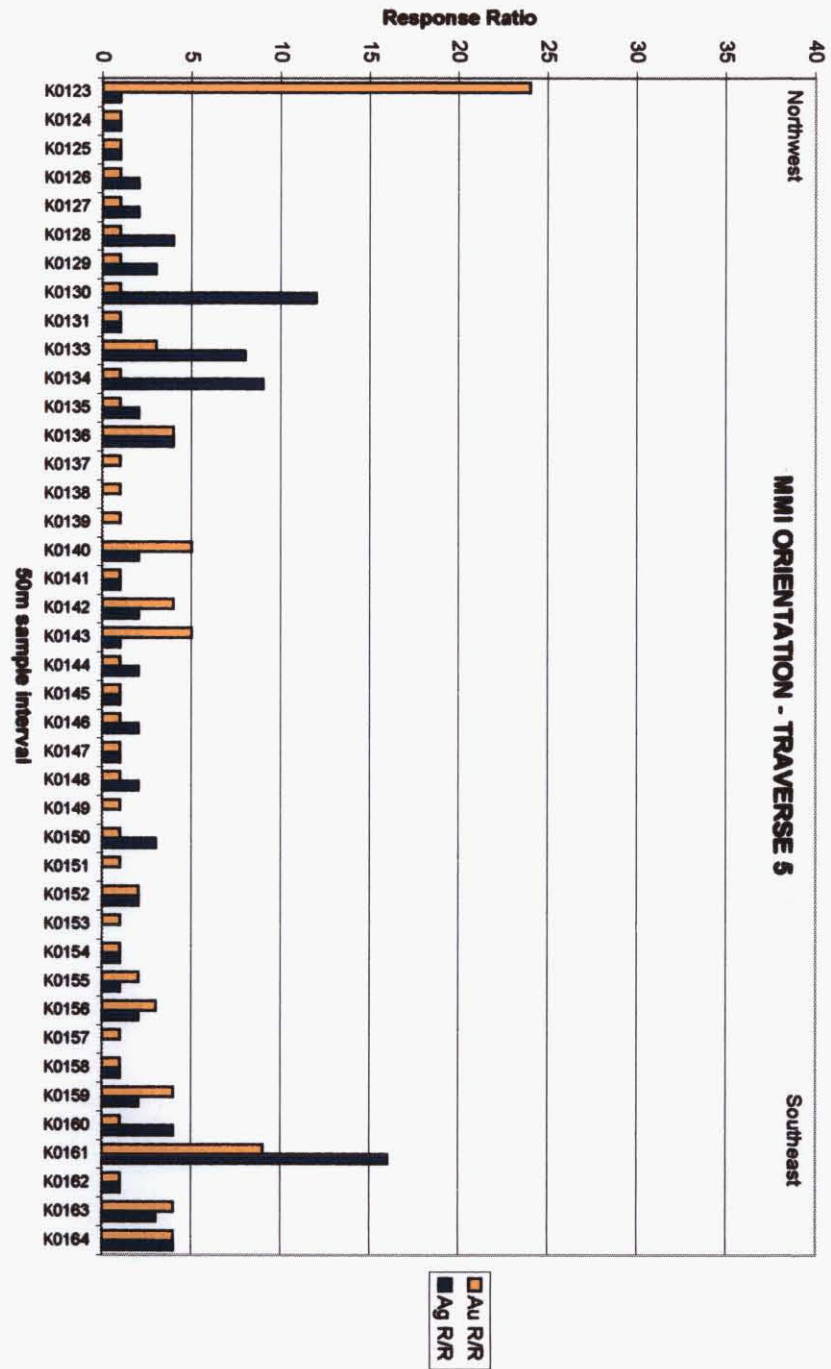


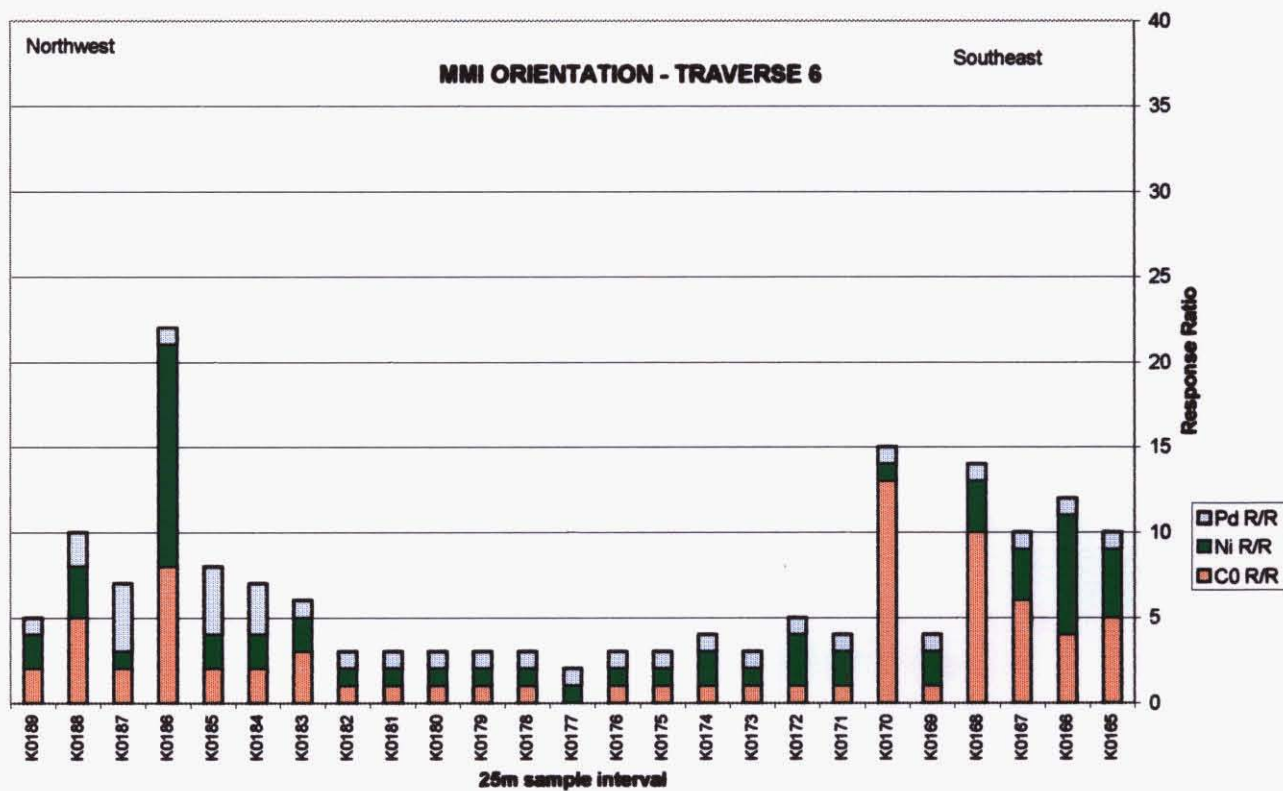
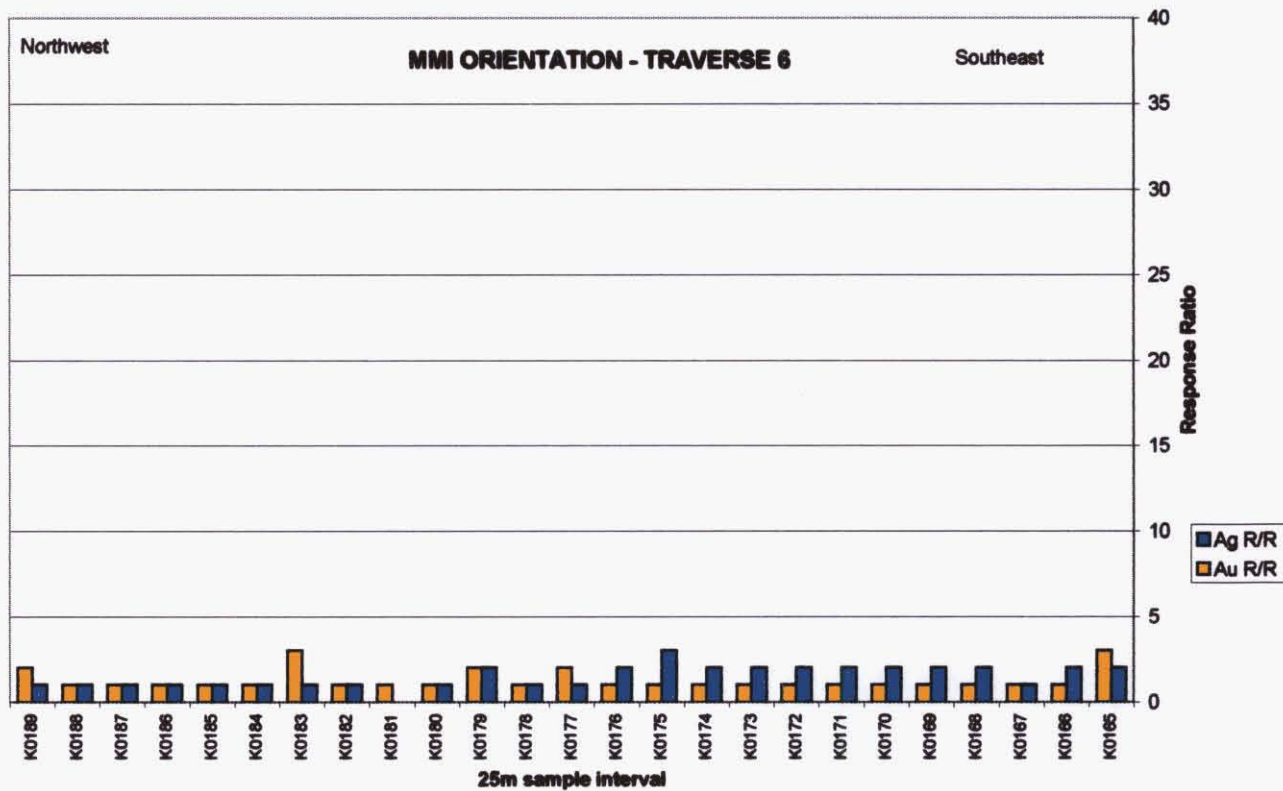


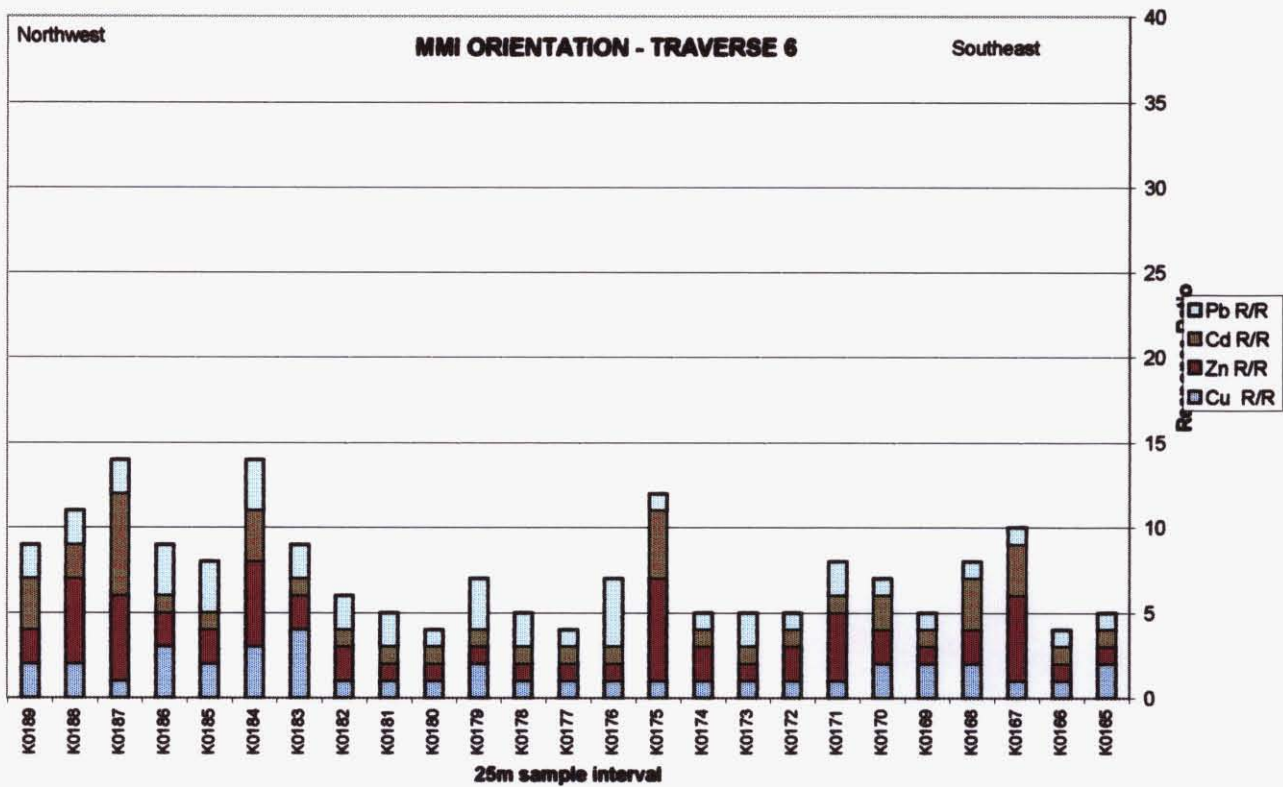
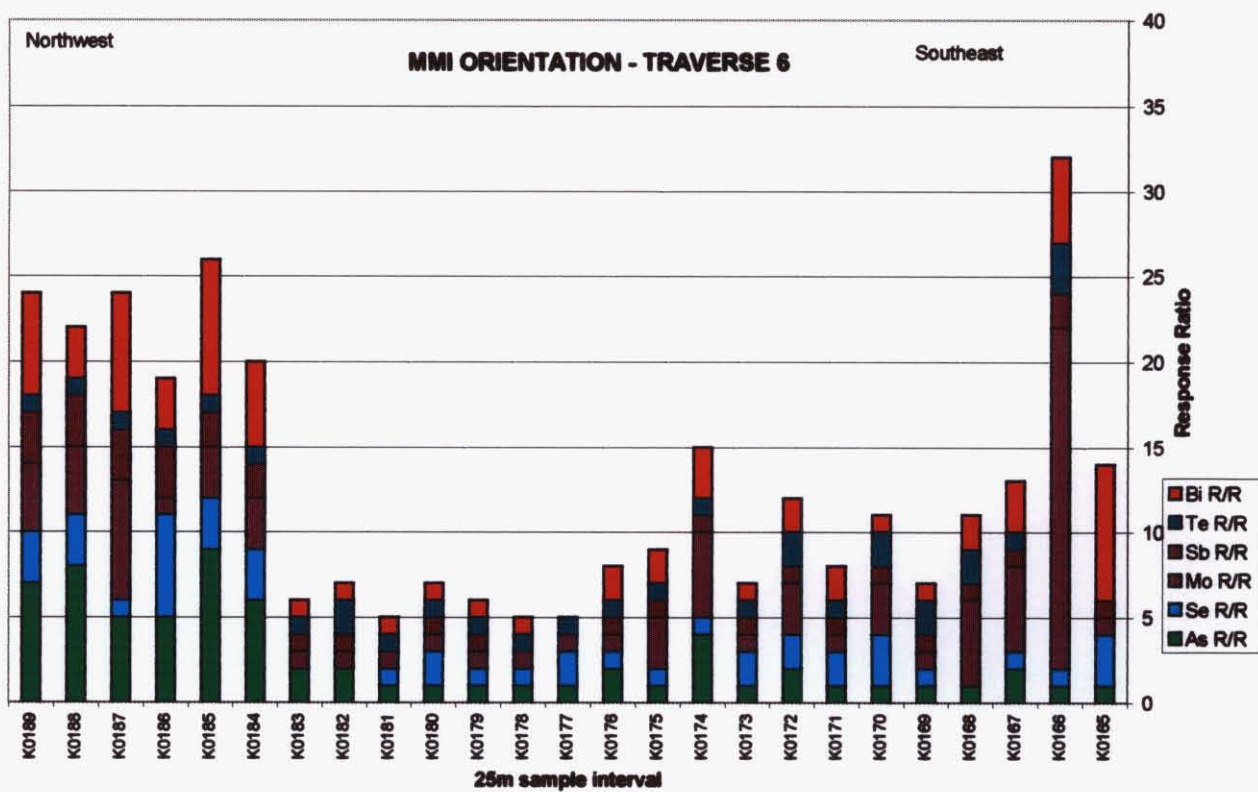


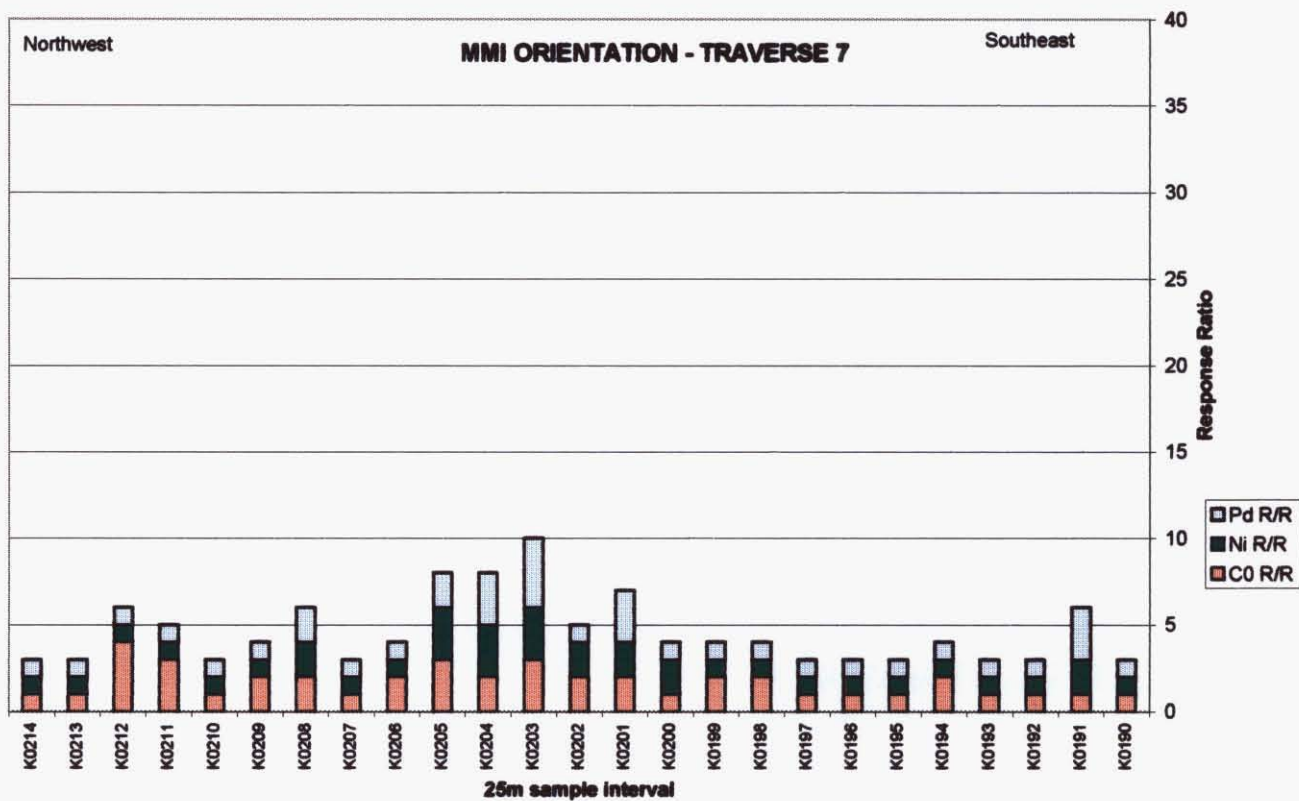
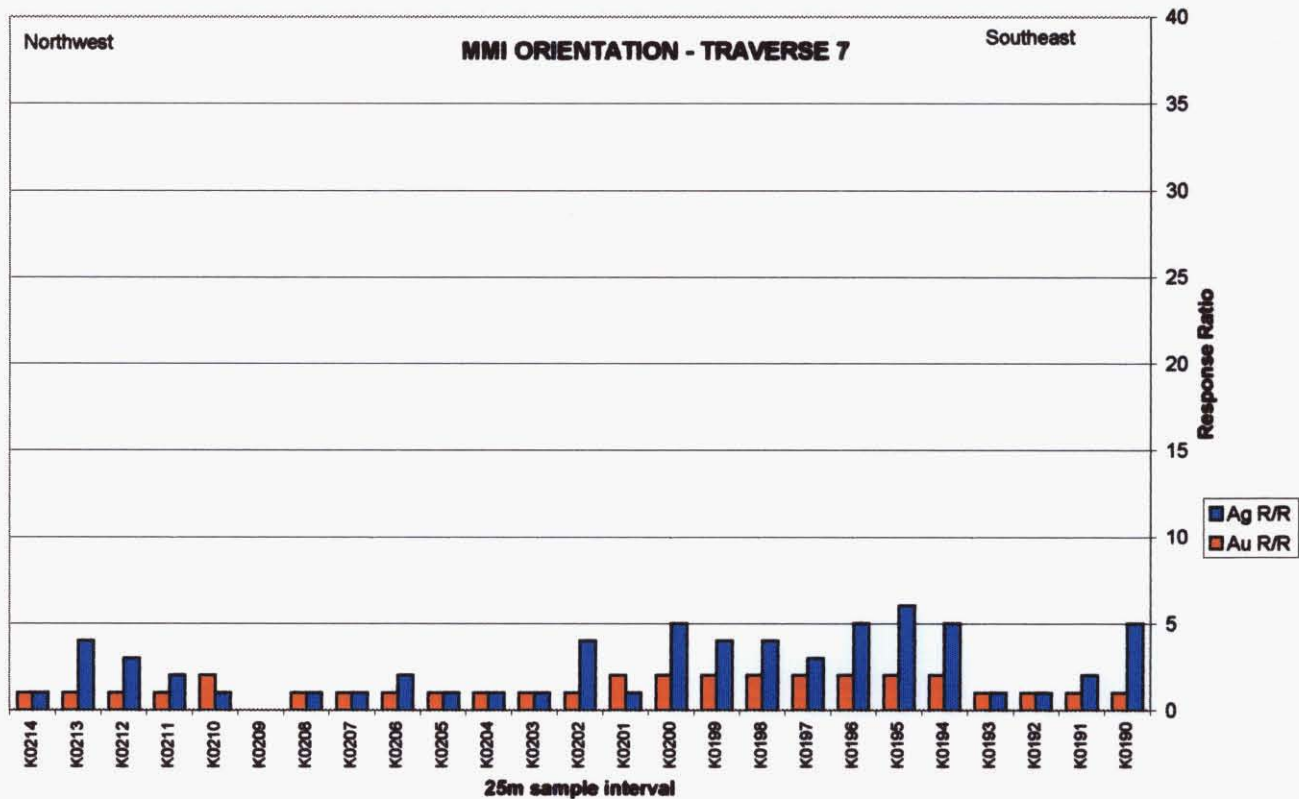


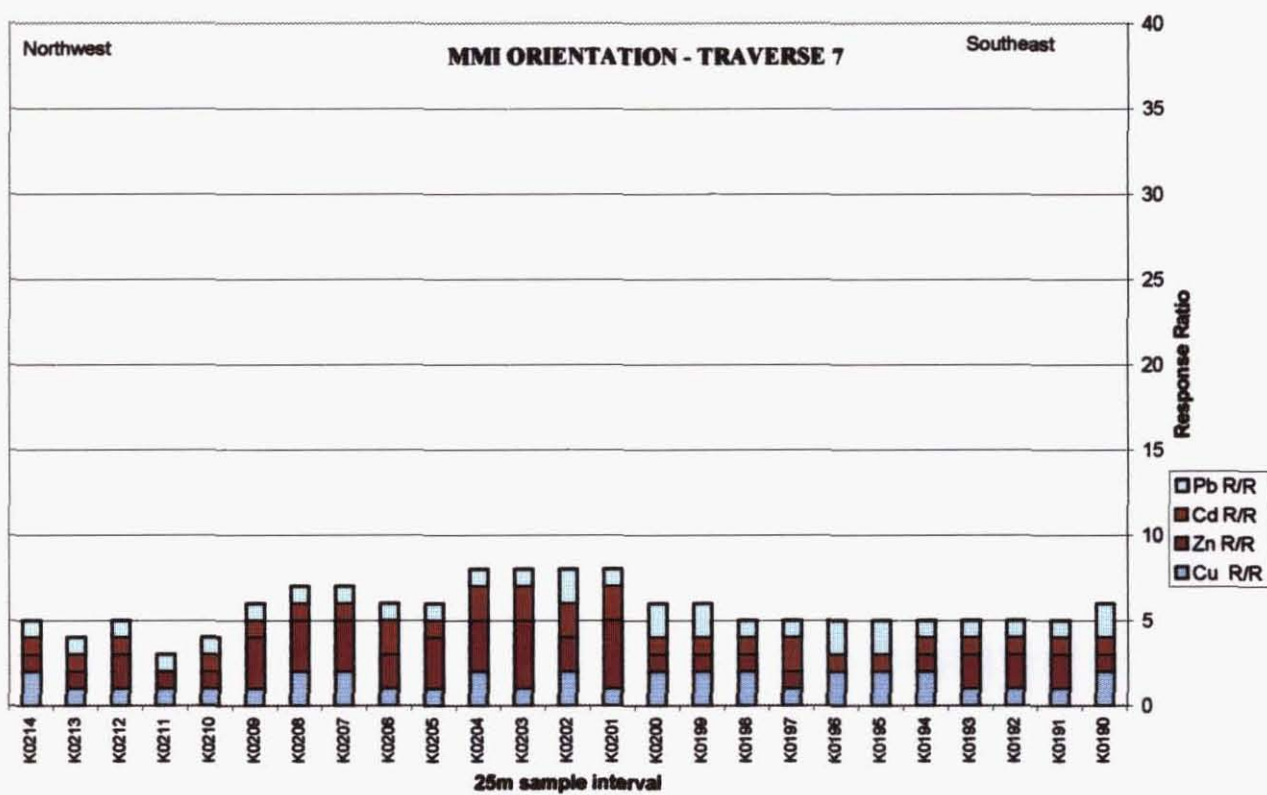
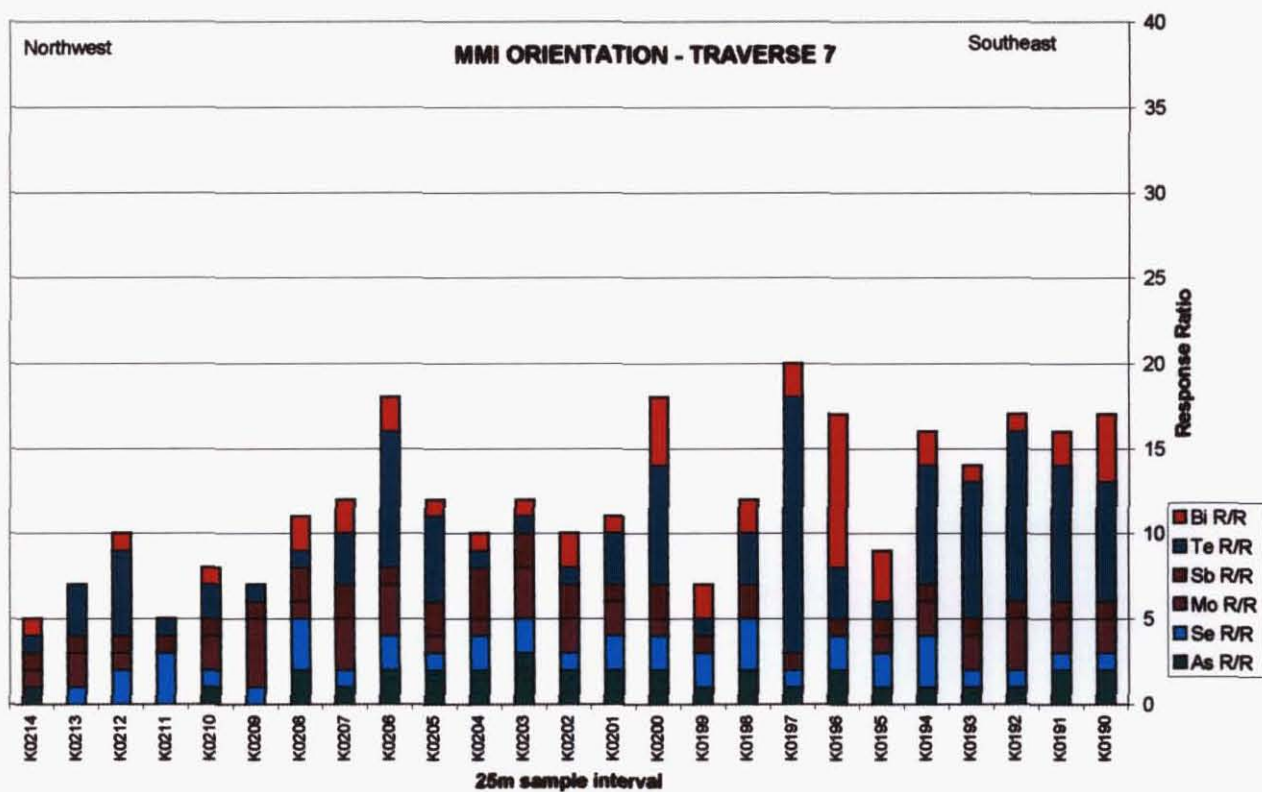












APPENDIX IV

Soil Sample Register —

Survey Co-ordinates

Analytical Results

Coded Geology

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	gdt	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

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

TRAVERSE 1

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

Sampled: 4-Jun-00

By: RGA, PL, RB

Sample Interval (m): 50

K0001	584870	7094160				10 to 15		y-b	si lm rfg	qf s	
K0002	584830	7094200				10 to 15		y-b	si lm, rfg	qf s	
K0003	584800	7094240				10 to 15		y-b	si lm, rfg	qf por, qte	
K0004	584770	7094280				10 to 15		y-b	si lm, rfg	qv meso, qm s	
K0005	584730	7094320				10 to 15		y-b	si lm, rfg	qv meso, qf por	
K0006	584700	7094350				10 to 15		y-b	si lm, rfg	qv meso, f por	
K0007	584670	7094400				10 to 15		y-b	si lm, rfg	qv meso, qm s	
K0008	584630	7094430				10 to 15		y-b	si lm, rfg	qmp s, qv meso	
K0009	584600	7094460				10 to 15	f	y-b	si lm, rfg	qmp s, qv meso	
K0010	584570	7094500				10 to 15		y-b	si lm, rfg	qf por	cf Sample 1999/17
K0011	584540	7094540				10 to 15		y-b	si lm, rfg	qf por, qmp s	cf Sample 1999/16
K0012	584500	7094580				10 to 15		b	si lm		cf Sample 1999/15
K0013	584470	7094620				10 to 15		b	si lm	qmp s	cf Sample 1999/14
K0014	584440	7094650				10 to 15		y-b	si cl	qm s, qc s	cf Sample 1999/13
K0015	584400	7094690				10 to 15		ptly lim	si cl	qf por	cf Sample 1999/12
K0016	584370	7094730				10 to 15		b	si cl	lim qm s	cf Sample 1999/11
K0017	584340	7094770				10 to 15		ptly lim	si cl	qmp s	
K0018	584310	7094810				10 to 15		ptly lim	si cl	qmp s, qf por	
K0019	584270	7094840				10 to 15		b	si cl	qmcp s	
K0020	584230	7094860				10 to 15		b	si cl	qmcp s	
K0021	584180	7094880				10 to 15		b	si cl	qte	level section
K0022	584140	7094910				10 to 15		b	si cl	qm s	
K0023	584100	7094930				10 to 15		b	si cl	qm s, qv meso	
K0024	584050	7094960				10 to 15		b	si cl	q por	
K0025	584010	7094980				10 to 15		b	si cl	qmcp s	
K0026	583970	7095010				10 to 15		b	si cl	qmcp s	
K0027	583950	7095040				10 to 15		b	si cl	qmc s	
K0028	583950	7095100				10 to 15		b	si cl	q por, tr hem	
K0029	583950	7095150				10 to 15		b	si cl	lim bands in qmp s	
K0030	583960	7095190				10 to 15		b	si cl gr	qf por, fol	

K 0001
DUP-K 0001

K 0010
DUP-K 0010

K 0013
DUP-K 0013

K 0025
DUP-K 0025

SAMPLE No.

TRAVERSE 1

Scheme Code
Analysis Unit
Detection Limit

	Cu MMI-A ppb 5	Zn MMI-A ppb 5	Cd MMI-A ppb 10	Pb MMI-A ppb 20	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	Fe MMI-F ppm 100	As MMI-F ppb 1	Se MMI-F ppb 2	Mo MMI-F ppb 1	Sb MMI-F ppb 1	Hg MMI-F ppb 3	Te MMI-F ppb 1	Bi MMI-F ppb 0.1
K0001	80	71	-10	379	-0.1	35	7	-0.1	0.95	270390	16	16	3	2	5	2	1.2
K0002	85	140	-10	198	-0.1	4	3	-0.1	3.53	343490	25	12	4	2	6	2	2.3
K0003	91	68	-10	478	0.19	6	8	-0.1	1.74	91590	24	14	3	4	4	3	1
K0004	79	30	-10	445	-0.1	3	7	0.15	2.64	213290	13	11	2	3	4	3	1.8
K0005	38	36	-10	335	-0.1	5	7	-0.1	1.07	118990	3	6	-1	2	-3	1	0.6
K0006	66	40	-10	873	-0.1	5	6	0.11	0.51	42540	2	4	-1	1	-3	2	0.2
K0007	84	48	-10	358	-0.1	3	8	-0.1	1.54	139890	12	4	1	2	-3	3	1
K0008					-0.1	2	3	0.1	0.45								
K0009					0.1	6	8	-0.1	0.91								
K0010	80	71	-10	379	0.1	5	10	0.16	1	270390	16	16	3	2	5	2	1.2
K0011	85	140	-10	198	-0.1	6	10	0.16	0.94	343490	25	12	4	2	6	2	2.3
K0012	91	68	-10	478	-0.1	18	26	0.23	1.86	91590	24	14	3	4	4	3	1
K0013	79	30	-10	445	-0.1	2	7	0.2	1.16	213290	13	11	2	3	4	3	1.8
K0014	38	36	-10	335	-0.1	7	10	-0.1	2.22	118990	3	6	-1	2	-3	1	0.6
K0015	66	40	-10	873	-0.1	2	7	-0.1	5.52	42540	2	4	-1	1	-3	2	0.2
K0016	84	48	-10	358	-0.1	5	9	-0.1	2.11	139890	12	4	1	2	-3	3	1
K0017					-0.1	9	7	0.15	5.32								
K0018					-0.1	8	9	-0.1	1.26								
K0019					0.14	5	8	-0.1	7.28								
K0020					-0.1	6	6	-0.1	5.92								
K0021					-0.1	5	6	-0.1	15.4								
K0022					0.25	6	7	-0.1	10.3								
K0023					-0.1	5	4	-0.1	5.7								
K0024					-0.1	12	8	-0.1	23.6								
K0025					-0.1	8	13	-0.1	14.5								
K0026					-0.1	4	4	-0.1	9.13								
K0027					-0.1	17	10	-0.1	9.32								
K0028					-0.1	4	10	-0.1	6.43								
K0029					-0.1	25	6	-0.1	6.87								
K0030					-0.1	35	31	-0.1	6.46								
K 0001					-0.1	35	7	-0.1	0.95								
DUP-K 0001					-0.1	31	6	-0.1	1.11								
K 0010	80	71	-10	379						270390	16	16	3	2	5	2	1.2
DUP-K 0010	75	80	-10	335						303390	15	13	2	2	-3	-1	1.2
K 0013					-0.1	2	7	0.2	1.16								
DUP-K 0013					-0.1	3	11	-0.1	1.36								
K 0025					-0.1	8	13	-0.1	14.5								
DUP-K 0025					-0.1	6	12	-0.1	13.2								

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 1 (-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 13-Jul-00		By:	PL,SJ						
		Sample Interval (m): 50									
K0001		584870	7094160		S++	15		yb	si cl	qf s	"B" HOR
K0002		584830	7094200		S++	15		yb	si cl	qf s	"B" HOR
K0003		584800	7094240		S++	15		yb	gr si cl	qf por, qte	"B" HOR
K0004		584770	7094280		S++	20		yb	si cl	qv meso, qm s	"B" HOR
K0005		584730	7094320		S++	20	PF	yb	si cl	qv meso, qf por	"B" HOR
K0006		584700	7094350		S++	20	PF	yb	gr si cl	qv meso, f por	"B" HOR
K0007		584670	7094400		S++	25	sk org	yb	gr si cl	qv meso, qm s	"B" HOR
K0008		584630	7094430		S++	25	org	yb	gr si cl	qmp s, qv meso	"B" HOR
K0009		584600	7094460		S++	20		yb	gr si cl	qmp s, qv meso	no
K0010		584570	7094500		S++	35	org	yb	si cl	qf por	flags
K0011		584540	7094540		S++	25		rb	gr si cl	qf por, qmp s	here
K0012		584500	7094580		S++	20	sk org	rb	gr si cl		poorly developed
K0013		584470	7094620		S++	25		rb yb	si cl	qmp s	"B" HOR
K0014		584440	7094650		S++	25		yb	si cl	qm s , qc s	"B" HOR
K0015		584400	7094690		saddle	15		yb	gr si cl	qf por	"B" HOR
K0016		584370	7094730		S+	25		yb	si cl	lim qm s	"B" HOR
K0017		584340	7094770		S+	15	org	yb	si cl	qmp s	"B" HOR
K0018		584310	7094810		S++	20		yb	si cl	qmp s, qf por	"B" HOR
K0019		584270	7094840		S++	20		yb	gr si cl	qmcp s	"B" HOR
K0020		584230	7094860		S++	20		ob	si cl	qmcp s	"B" HOR
K0021		584180	7094880		S++	15	minor org	ob	si cl	qte	"B" HOR
K0022		584140	7094910		S++	20		yb	gr si cl	qm s	"B" HOR
K0023		584100	7094930		S++	20		yb	si cl	qm s , qv meso	"B" HOR
K0024		584050	7094960		S++	25		yb	gv gr cl si	q por	"B" HOR
K0025		584010	7094980		S++	20	org	yb	gr si cl	qmcp s	"B" HOR
K0026		583970	7095010		S++	20		yb	si cl gr	qmcp s	"B" HOR
K0027		583950	7095040		S++	15	org	yb	si cl	qmc s	"B" HOR
K0028		583950	7095100		S++	15	minor org	yb	gr si cl	q por, tr hem	"B" HOR
K0029		583950	7095150		S++	15		yb	si cl	lim bands in qmp s	"B" HOR
K0030		583960	7095190		S++	15		yb	cl s si	qf por, fol	"B" HOR

SAMPLE No.

TRAVERSE 1 (-80)

Scheme Code
Analysis Unit

	Au 3993 ppm	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 %
K0001	<1	<0.2	2.55	8	<10	310	0.5	<2	0.06	<0.5	8	35	11	3.46	<10	<1	0.04
K0002	<1	<0.2	1.39	<2	<10	150	<0.5	<2	0.02	<0.5	1	9	2	1.35	<10	<1	0.03
K0003	<1	<0.2	1.44	6	<10	160	<0.5	<2	0.05	<0.5	3	20	8	1.97	<10	<1	0.04
K0004	<1	<0.2	0.97	<2	<10	120	<0.5	<2	0.04	<0.5	1	10	4	1.12	<10	<1	0.04
K0005	<1	<0.2	1.22	2	<10	150	<0.5	<2	0.07	<0.5	1	14	4	1.64	<10	<1	0.03
K0006	3	<0.2	1.92	6	<10	190	<0.5	<2	0.07	<0.5	6	23	9	2.23	<10	<1	0.03
K0007	<1	<0.2	0.68	4	<10	160	<0.5	<2	0.05	<0.5	<1	5	3	0.95	<10	<1	0.06
K0008	<1	<0.2	1.38	20	<10	190	<0.5	<2	0.05	<0.5	4	13	9	1.9	<10	<1	0.07
K0009	<1	<0.2	1.22	8	<10	200	<0.5	<2	0.08	<0.5	3	15	7	1.61	<10	<1	0.05
K0010	2	<0.2	1.5	6	<10	270	<0.5	<2	0.1	<0.5	7	23	14	2.38	<10	<1	0.04
K0011	1	<0.2	1.3	4	<10	180	<0.5	<2	0.07	<0.5	2	13	7	2.01	<10	<1	0.06
K0012	<1	<0.2	1.62	8	<10	130	<0.5	<2	0.06	<0.5	4	19	6	2.74	<10	<1	0.05
K0013	<1	<0.2	1.1	2	<10	130	<0.5	<2	0.04	<0.5	1	13	5	1.53	<10	<1	0.04
K0014	<1	<0.2	1.86	8	<10	230	<0.5	<2	0.07	<0.5	6	23	11	2.48	<10	<1	0.05
K0015	<1	<0.2	0.75	6	<10	140	<0.5	<2	0.03	<0.5	1	5	4	1.18	<10	<1	0.1
K0016	2	<0.2	1.58	10	<10	210	<0.5	<2	0.08	<0.5	3	20	6	2.59	<10	<1	0.06
K0017	<1	<0.2	2.03	8	<10	230	<0.5	<2	0.05	<0.5	5	24	8	2.89	<10	<1	0.05
K0018	<1	<0.2	1.54	6	<10	210	<0.5	<2	0.05	<0.5	3	18	6	2.33	<10	<1	0.06
K0019	<1	<0.2	1.79	6	<10	200	0.5	<2	0.06	<0.5	5	25	12	2.43	<10	<1	0.04
K0020	<1	<0.2	1.13	6	<10	120	<0.5	<2	0.01	<0.5	1	11	4	1.94	<10	<1	0.04
K0021	2	<0.2	1.97	8	<10	270	0.5	<2	0.05	<0.5	5	27	10	2.51	<10	<1	0.04
K0022	<1	<0.2	1.16	6	<10	110	<0.5	<2	0.04	<0.5	3	16	8	1.71	<10	<1	0.04
K0023	3	<0.2	1.68	6	<10	190	<0.5	<2	0.05	<0.5	4	23	6	2.25	<10	<1	0.03
K0024	<1	<0.2	1.6	6	<10	220	0.5	<2	0.05	<0.5	4	21	12	1.98	<10	<1	0.04
K0025	<1	<0.2	1.34	6	<10	160	<0.5	<2	0.04	<0.5	2	16	5	2.01	<10	<1	0.04
K0026	<1	<0.2	0.84	6	<10	170	<0.5	<2	0.04	<0.5	<1	9	3	1.38	<10	<1	0.04
K0027	<1	<0.2	2.34	8	<10	430	0.5	<2	0.06	<0.5	5	27	10	2.96	<10	<1	0.04
K0028	2	<0.2	1.41	4	<10	220	<0.5	<2	0.08	<0.5	4	19	7	1.91	<10	<1	0.03
K0029	2	<0.2	1.29	4	<10	230	<0.5	<2	0.05	<0.5	4	20	11	1.8	<10	<1	0.03
K0030	<1	<0.2	0.94	4	<10	190	<0.5	<2	0.03	<0.5	1	10	4	1.37	<10	<1	0.03

SAMPLE
No.
TRAVERSE 1 (-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
K0001	10	0.44	270	<1	0.01	18	210	14	<0.01	<2	3	8	0.06	<10	<10	68	<10	54
K0002	10	0.21	65	1	<0.01	5	60	14	<0.01	<2	1	4	0.01	<10	<10	18	<10	20
K0003	10	0.3	105	<1	0.01	10	120	14	<0.01	<2	2	7	0.03	<10	<10	35	<10	30
K0004	10	0.27	50	<1	<0.01	5	100	20	<0.01	<2	1	5	0.01	<10	<10	18	<10	22
K0005	<10	0.34	80	<1	0.01	6	140	10	<0.01	<2	1	8	0.03	<10	<10	28	<10	26
K0006	<10	0.43	155	<1	0.01	15	140	14	<0.01	<2	2	9	0.04	<10	<10	36	<10	36
K0007	10	0.19	80	<1	<0.01	2	100	18	<0.01	<2	1	7	<0.01	<10	<10	9	<10	20
K0008	10	0.2	100	<1	0.01	7	140	26	<0.01	<2	3	7	0.01	<10	<10	19	<10	30
K0009	10	0.24	85	<1	<0.01	8	160	18	<0.01	<2	2	9	0.03	<10	<10	28	<10	26
K0010	10	0.38	235	<1	0.01	14	200	12	<0.01	<2	4	12	0.04	<10	<10	40	<10	44
K0011	10	0.25	70	<1	<0.01	8	190	30	<0.01	<2	2	7	0.01	<10	<10	24	<10	26
K0012	10	0.23	155	1	0.01	11	300	32	0.01	<2	2	10	0.02	<10	<10	39	<10	34
K0013	10	0.17	50	<1	<0.01	6	90	22	<0.01	<2	2	5	0.01	<10	<10	25	<10	16
K0014	10	0.37	130	<1	0.01	16	130	14	<0.01	<2	2	9	0.04	<10	<10	43	<10	38
K0015	10	0.06	40	<1	<0.01	4	70	34	<0.01	<2	1	9	<0.01	<10	<10	8	<10	22
K0016	10	0.3	115	1	0.01	10	200	24	<0.01	<2	2	10	0.04	<10	<10	50	<10	30
K0017	<10	0.34	190	<1	0.01	13	160	26	<0.01	<2	2	7	0.02	<10	<10	47	<10	46
K0018	<10	0.27	125	<1	0.01	9	120	16	<0.01	<2	2	8	0.03	<10	<10	38	<10	32
K0019	10	0.33	165	<1	0.01	16	110	22	<0.01	<2	3	7	0.03	<10	<10	41	<10	38
K0020	<10	0.16	75	<1	<0.01	4	90	16	<0.01	<2	2	3	0.01	<10	<10	28	<10	32
K0021	20	0.33	155	<1	0.01	14	90	34	<0.01	<2	4	7	0.04	<10	<10	49	<10	46
K0022	10	0.27	115	<1	<0.01	10	80	20	<0.01	<2	2	6	0.03	<10	<10	31	<10	40
K0023	10	0.31	130	<1	0.01	10	90	18	<0.01	<2	3	7	0.04	<10	<10	48	<10	38
K0024	30	0.31	145	<1	0.01	12	70	30	<0.01	<2	3	8	0.03	<10	<10	32	<10	50
K0025	10	0.21	100	<1	0.01	7	100	20	<0.01	<2	3	6	0.03	<10	<10	36	<10	34
K0026	<10	0.13	65	<1	<0.01	4	80	14	<0.01	<2	1	5	0.04	<10	<10	33	<10	22
K0027	10	0.4	195	1	0.01	14	170	14	<0.01	<2	3	9	0.05	<10	<10	60	<10	48
K0028	<10	0.3	130	<1	0.01	10	90	14	<0.01	<2	2	9	0.04	<10	<10	37	<10	36
K0029	20	0.29	145	<1	<0.01	11	80	22	<0.01	<2	3	7	0.04	<10	<10	32	<10	32
K0030	<10	0.16	70	1	<0.01	5	70	26	<0.01	<2	2	5	0.01	<10	<10	21	<10	24

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

TRAVERSE 2

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

Sampled: 5-Jun-00

By: RGA, PL, RB

Sample Interval (m): 100

K0031	586840	7095060	5-15	f	b	si cl	m qte			
K0032	586860	7094980	5-15	f	b	si cl	qf por			
K0033	586880	7094880	5-15	f	b	si cl	m qte, cs/qte	Line 3 / 0m		
K0070	586900	7094790	15-20	pf	yb	si cl				
K0071	586930	7094700	15-20	pf	yb	si cl	qte, p			
K0072	586950	7094610	15-20		yb	si cl	qmp s			
K0073	586970	7094520	15-20		gb	si cl	qmp s			
K0074	586990	7094430	15-20		gb	si cl	qte, qmc s	much rock frag		
K0075	587010	7094330	15-20	f	yb	si cl	b qte, qb s	Line 4 / 0m		
K0076	587040	7094240	15-20	pf	yb	si cl	qpmc s			
K0077	587060	7094160	15-20		yb	si cl	qmp s			
K0078	587080	7094080	15-20		og	cl	qmp s			
K0079	587100	7093960	15-20		b	si cl	qmp s			
K0080	587105	7093870	15-20		some b	sk org	qte p			
K0081	587080	7093775	15-20	pf	ob	si cl	qmc s			
K0082	587030	7093680	15-20	f		sk	qmp s	poor sample		
K0083	586980	7093575	15-20		or	si cl				
K0084	586950	7093475	15-20	pf	b	si cl				
K0085	586930	7093360	15-20	f	b	si cl				
K0086	586930	7093260	15-20		rb	si cl	qmcp s			

K 0073

DUP-K 0073

K 0085

DUP-K 0085

SAMPLE
No.

TRAVERSE 2

Scheme Code
Analysis Unit
Detection Limit

	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0031	39	267	41	368	-0.1	15	21	0.15	0.48	691	49	4	4	2	-3	5	1.7
K0032	65	96	-10	397	0.1	11	8	-0.1	2.36	151	33	-2	-1	2	-3	4	1
K0033	115	60	-10	516	0.19	6	48	-0.1	4.47	355	76	4	2	3	-3	3	1.4
K0070	49	113	-10	492	-0.1	6	12	-0.1	0.93	593	24	-2	2	2	-3	-1	0.9
K0071	26	74	-10	388	-0.1	4	8	-0.1	0.56	151	75	-2	4	2	-3	3	1.8
K0072	31	46	-10	512	0.36	8	26	-0.1	6.79	-100	50	-2	-1	1	-3	-1	0.1
K0073	48	113	-10	554	0.49	20	12	-0.1	4.39	202	174	-2	3	4	-3	4	2.3
K0074	100	215	13	474	0.59	82	124	-0.1	9.71	225	134	7	12	5	-3	10	0.8
K0075	48	252	21	287	0.17	15	30	-0.1	0.3	948	75	3	5	1	-3	-1	0.5
K0076	20	309	11	310	0.17	19	32	0.21	18.1	948	52	6	6	4	-3	6	2.5
K0077	8	47	-10	374	-0.1	6	9	-0.1	2.73	520	36	5	3	1	-3	2	1.3
K0078	17	71	12	436	-0.1	9	5	-0.1	2.31	112	16	3	2	-1	-3	4	0.5
K0079	12	857	16	378	-0.1	10	9	0.11	3.24	235	112	-2	5	1	-3	4	1.1
K0080	-5	172	25	429	0.11	6	6	-0.1	2.8	208	66	-2	3	-1	-3	-1	0.7
K0081	55	87	-10	630	-0.1	5	9	-0.1	1.52	764	16	6	3	1	-3	-1	1.3
K0082	59	168	14	635	-0.1	6	15	0.14	2.7	153	92	7	10	1	-3	10	2.8
K0083	36	73	-10	781	-0.1	8	7	-0.1	4.44	-100	3	-2	-1	-1	-3	-1	-0.1
K0084	37	497	-10	279	-0.1	7	10	-0.1	0.5	153	432	4	8	2	-3	7	2.2
K0085	13	108	-10	294	-0.1	6	10	0.13	0.57	370	52	-2	6	1	-3	2	0.8
K0086	7	60	10	425	-0.1	5	6	-0.1	2.92	285	39	-2	2	-1	-3	-1	0.6
K 0073	48	113	-10	554	0.49	20	12	-0.1	4.39	202	174	-2	3	4	-3	4	2.3
DUP-K 0073	52	106	-10	533	0.45	23	13	-0.1	3.85	203	156	-2	2	4	-3	5	2.5
K 0085	13	108	-10	294	-0.1	6	10	0.13	0.57	370	52	-2	6	1	-3	2	0.8
DUP-K 0085	11	96	-10	308	-0.10	6	11	0.12	0.42	382	47	-2	4	1	-3	-1	0.9

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

TRAVERSE 3

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

Sampled: 5-Jun-00

By: RGA, PL, RB

Sample Interval (m): 25

c		587700	7094870			5-10	f	gb	si cl		
K0035		587680	7094870			5-10	f	gb	si cl		
K0036		587660	7094870			5-10	f	gb	si cl	qv meso	
K0037		587630	7094870			10-15	f	gb	50% ice		
K0038		587610	7094870			10-15	f	gb	50% ice		
K0039		587590	7094870			10-15	f	gb	hum&ice minor soil		poor sample
K0040		587570	7094870			15-20		gb	si cl		
K0041		587540	7094870			15-20		gb	si cl	qm s	
K0042		587520	7094870			15-20	wet	gb	si cl		
K0043		587500	7094870			15-20	wet	gb	si cl	qmp s	
K0044		587470	7094870			15-20	dry	gb	si cl		
K0045		587450	7094870			15-20	pf	gb	si cl		
K0046		587420	7094870			15-20	f	gb	si cl		
K0047		587400	7094870			15-20		gb	si cl		
K0048		587370	7094870			15-20		gb	si cl		
K0049		587350	7094870			15-20		gb	gr cl	qm s, qte	
K0050		587320	7094870			15-20		gb	gr cl	met qv	
K0051		587300	7094870			15-20		gb	gr cl		
K0052		587270	7094870			15-20	f	gb	gr cl		
K0053		587240	7094870			15-20		gb	gr cl	mc s	
K0054		587230	7094870			15-20	f	gb	gr cl		
K0055		587210	7094860			15-20	pf	gb	gr cl		
K0056		587190	7094860			10-15	pf	gb	gr cl	m qte	
K0057		587160	7094860			10-15		gb	si cl		
K0058		587140	7094860			10-15		gb	si cl	qm s	
K0059		587120	7094860			10-15		gb	si cl	qfm por	rocky
K0060		587100	7094860			10-15		gb	si cl	qmc s, meso qv	
K0061		587070	7094860			10-15		gb	si cl	qc s	
K0062		587050	7094860			10-15		gb	si cl	qmp s	
K0063		587030	7094860			10-15	f	yb	si cl		
K0064		587010	7094860			10-15		gb	si cl	qmp s	
K0065		586990	7094860			15-20		yb	or gr cl	qm s	
K0066		586960	7094860			15-20	f	gb	si cl	qv	
K0067		586930	7094860			15-20	f	yb	si cl	qmp s	
K0068		586910	7094860			15-20		yb	si cl	qv	
K0069		586890	7094860			15-20		yb	si cl	qmp s	
		586870	7094860								

K 0037
DUP-K 0037

K 0049
DUP-K 0049

K 0061
DUP-K 0061

SAMPLE No.		Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
TRaverse 3		MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Scheme Code		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Analysis Unit		5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
Detection Limit																		
c		19	651	26	209	0.1	8	12	0.1	0.75	379	111	-2	5	3	-3	-1	0.5
K0035		20	510	11	238	0.18	11	15	-0.1	1.12	153	235	-2	2	-1	-3	-1	0.8
K0036		15	468	-10	213	0.22	9	14	0.11	2.11	129	287	2	3	2	-3	2	1.1
K0037		12	580	13	209	0.12	12	13	0.12	0.39	202	212	-2	2	1	-3	-1	0.6
K0038		5	474	-10	176	2.07	12	34	0.11	0.55	336	140	-2	10	4	-3	-1	0.3
K0039		-5	411	-10	95	1.16	8	15	-0.1	0.17	-100	22	-2	4	2	-3	-1	-0.1
K0040		12	451	-10	292	-0.1	11	22	-0.1	1.16	715	94	-2	3	2	-3	-1	0.7
K0041		34	297	-10	467	-0.1	12	28	0.11	1.63	1600	145	-2	5	3	-3	5	1.9
K0042		30	230	12	263	0.11	17	16	-0.1	1.98	528	301	-2	4	5	-3	-1	1.5
K0043		14	285	-10	280	-0.1	10	28	-0.1	1.19	274	171	3	2	2	-3	-1	0.8
K0044		30	350	-10	367	0.1	9	16	-0.1	0.67	467	292	2	2	2	-3	3	1.2
K0045		14	466	19	245	-0.1	14	20	0.13	1.13	246	285	3	3	3	-3	1	0.6
K0046		12	473	20	253	-0.1	17	30	0.11	0.42	415	137	-2	3	2	-3	2	0.4
K0047		31	341	11	366	0.14	10	20	-0.1	1.43	442	276	3	2	3	4	2	3.6
K0048		29	213	-10	325	0.35	21	29	-0.1	6.4	355	332	-2	4	5	3	6	2.3
K0049		68	334	-10	417	0.45	8	14	-0.1	5.22	625	855	-2	3	5	-3	-1	2.7
K0050		34	256	-10	355	0.24	13	23	-0.1	2.97	502	380	3	4	4	-3	2	1.8
K0051		34	219	-10	359	0.13	10	14	-0.1	2.73	251	286	-2	4	3	-3	3	1.6
K0052		30	141	-10	206	-0.1	8	12	-0.1	1.7	350	329	3	3	3	-3	-1	1.7
K0053		52	427	34	450	0.1	15	34	-0.1	2.08	3380	449	-2	1	3	-3	-1	1
K0054		11	545	19	217	-0.1	16	23	-0.1	2.01	528	301	-2	9	4	-3	7	1.2
K0055		18	306	15	372	-0.1	13	23	-0.1	2.11	338	511	-2	8	6	-3	-1	1.3
K0056		29	367	-10	306	0.25	24	30	-0.1	5.01	586	782	2	5	7	-3	-1	1.8
K0057		37	462	-10	357	0.34	25	34	-0.1	3.84	1210	874	-2	7	11	-3	3	2.1
K0058		110	433	14	485	0.32	22	38	-0.1	8.82	151	522	-2	6	8	-3	5	1.7
K0059		18	270	-10	303	-0.1	8	14	-0.1	1.28	251	269	-2	6	2	-3	6	0.8
K0060		16	86	-10	361	-0.1	5	12	-0.1	2	140	156	4	4	1	-3	8	0.8
K0061		14	308	-10	296	-0.1	8	14	-0.1	0.96	186	507	-2	7	3	-3	-1	0.7
K0062		34	58	-10	533	-0.1	5	8	-0.1	1.06	239	139	-2	2	1	-3	-1	0.8
K0063		46	287	-10	333	-0.1	7	13	-0.1	0.18	1030	533	-2	4	3	-3	5	1.5
K0064		63	133	-10	397	0.15	7	12	-0.1	1.64	620	281	4	4	4	-3	12	2.1
K0065		16	111	-10	365	0.49	8	14	-0.1	0.75	281	263	-2	3	3	-3	3	2.2
K0066		65	232	-10	442	0.13	23	17	0.15	0.47	491	397	-2	11	13	-3	2	2.7
K0067		15	162	-10	323	-0.1	7	10	-0.1	0.13	3790	23	-2	2	1	-3	1	1
K0068		47	89	-10	564	-0.1	6	14	-0.1	0.5	892	38	-2	2	2	-3	6	0.9
K0069		85	63	-10	576	-0.1	5	13	-0.1	1.2	150	129	-2	3	3	-3	-1	1.4
K 0037		12	580	13	209	0.12	12	13	0.12	0.39	202	212	-2	2	1	-3	-1	0.6
DUP-K 0037		-2000	-2000	-2000	-2000						-2000	-2000	-2000	-2000	-2000	-2000	-2000	-2000
K 0049		68	334	-10	417	0.45	8	14	-0.1	5.22	625	855	-2	3	5	-3	-1	2.7
DUP-K 0049		61	332	-10	416	0.39	7	12	-0.1	4.43	877350	728	19	2	5	-3	2	3.5
K 0061		14	308	-10	296	-0.1	8	14	-0.1	0.96	186	507	-2	7	3	-3	-1	0.7
DUP-K 0061		-2000	-2000	-2000	-2000	-0.1	7	11	0.12	0.92	-2000	-2000	-2000	-2000	-2000	-2000	-2000	-2000

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL	ROCKS	COMMENTS
		EAST	NORTH	ELEV					COMPOSITION		
TRAVERSE 4											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 6-Jun-00 By: RB, PL											
Sample Interval (m): 25											
K0087		587920	7094370			15	f	b	si cl		
K0088		587890	7094370			25-30	pf	b	si cl		
K0089		587870	7094370			25-30	f	b	si cl		
K0090		587840	7094370			20		b	si cl	qtz frag.	
K0091		587810	7094370			25		b	si cl	qm s lim	
K0092		587780	7094370			25	f	b	si cl	qm s	
K0093		587750	7094360			25		b	si cl	qm s	
K0094		587730	7094360			25	f	b			
K0095		587700	7094360			25	pf	b	si cl	q frag	
K0096		587670	7094360			20		b	si cl	qm s	small gravels
K0097		587640	7094360			20		b	si cl		
K0098		587630	7094360			20	f	b	si cl	qm s, p lim	
K0099		587600	7094360			20	pf	b	gr si cl	qm s	
K0100		587570	7094360			20		b	gr si cl	qm s	
K0101		587540	7094360			10		b	gr si cl	qb s	
K0102		587520	7094360			10		b	gr si cl	qb s, lim parallel to fol, bull q	
K0103		587500	7094360			20	pf	b	gr si cl	qm s	
K0104		587480	7094360			20	f	b	gr si cl	qm s	
K0105		587450	7094350			20	f		mixed org	small q frags	
K0106		587430	7094350			20		b	si cl, rfg	qm s, ox py	
K0107		587400	7094350			20		b	si cl		
K0108		587370	7094350			20		b	gv si cl	qm s, QV	
K0109		587350	7094350			20	wet	b	gv si cl	qmp s, QV	v gravelly, wet
K0110		587330	7094350			20	f	b	gv si cl	lim QV	much ice
K0111		587300	7094350			20	f	b	si cl	qmp s	
K0112		587280	7094350			10		b	si cl rfg	lim QV	
K0113		587250	7094350			15		b	si cl rfg	qm s	
K0114		587230	7094350			20	f	b	si cl rfg	tr QV	
K0115		587200	7094350			15		b	si cl	qm s	
K0116		587180	7094340			15		b	si cl rfg	qm s	
K0117		587150	7094340			15	f	b	si cl rfg	qm s	
K0118		587130	7094340			15	pf	b	si cl rfg	qm s, lim foliae	
K0119		587100	7094340			16	pf	b	si cl rfg	qm s ?MnO2 spots	
K0120		587080	7094340			10	pf	b	si cl rfg	qm s	
K0121		587050	7094340			15	pf	b	si cl rfg	qm s	
K0122		587030	7094340			15	wet		si cl		

K 0097
DUP-K 0097

K 0109
DUP-K 0109

K 0121
DUP-K 0121

SAMPLE																			
No.																			
TRAVERSE 4		Scheme Code	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
		Analysis Unit	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
		Detection Limit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
			5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
	K0087		8	636	-10	270	0.14	11	16	-0.1	1.46	666	289	-2	8	4	-3	-1	1.1
	K0088		16	397	-10	344	0.15	10	14	-0.1	2.52	600	254	-2	5	2	-3	-1	1.1
	K0089		18	364	-10	289	0.12	13	15	0.11	1.51	533	208	8	6	3	-3	1	1.3
	K0090		29	394	14	377	0.12	13	19	0.11	3.01	311	193	2	5	2	-3	3	1.3
	K0091		48	205	-10	371	0.14	6	11	0.1	4.21	222	218	4	2	2	-3	3	1.6
	K0092		32	400	-10	317	0.24	14	20	0.13	5.65	260	393	3	5	4	-3	2	1.6
	K0093		21	310	-10	323	0.32	12	19	0.15	4.6	152	484	2	3	2	-3	-1	2.7
	K0094		15	482	13	244	0.11	19	25	0.15	0.69	822	214	-2	6	5	-3	-1	1.5
	K0095		27	373	32	273	0.16	43	56	0.12	2.24	427	151	7	3	3	-3	4	1.3
	K0096		41	160	-10	285	0.11	55	18	0.12	4.25	-100	124	5	1	2	-3	3	0.6
	K0097		41	733	34	333	-0.1	25	38	0.13	0.88	147	156	6	4	4	-3	-1	1.2
	K0098		11	500	26	236	-0.1	18	27	0.1	0.49	681	75	-2	5	2	-3	-1	0.6
	K0099		48	288	-10	309	0.16	17	19	-0.1	4.05	596	160	-2	3	3	-3	-1	1.4
	K0100		45	217	-10	356	0.17	11	17	-0.1	2.27	427	166	-2	2	2	-3	-1	1.6
	K0101		21	274	12	294	-0.1	26	21	0.14	1.8	204	95	3	5	2	-3	2	1
	K0102		20	301	-10	356	0.14	10	14	-0.1	1.29	152	137	-2	3	2	-3	3	1.1
	K0103		15	284	-10	274	-0.1	9	18	0.11	1.87	140	152	3	4	1	-3	-1	1.2
	K0104		15	373	-10	298	0.11	7	13	-0.1	0.47	233	154	3	5	1	-3	-1	1.2
	K0105		12	572	53	260	-0.1	12	23	0.13	0.59	601	193	-2	8	2	-3	2	0.7
	K0106		22	283	13	328	-0.1	11	16	0.11	1.72	391	191	4	6	2	-3	-1	1.5
	K0107		52	304	-10	449	0.22	8	16	-0.1	1.03	761	205	4	3	3	-3	-1	2.2
	K0108		22	244	-10	355	0.1	9	13	-0.1	0.84	-100	142	4	3	3	-3	-1	0.8
	K0109		31	327	10	342	0.13	19	18	-0.1	1.61	458	139	3	4	2	-3	-1	1.7
	K0110		24	367	18	302	0.17	19	21	0.11	2.01	359	229	-2	9	4	-3	2	1.3
	K0111		25	365	-10	349	0.45	11	16	0.1	2.1	138	625	2	8	2	-3	2	1.2
	K0112		17	274	-10	408	0.47	69	14	-0.1	2.55	479	213	7	8	3	-3	4	1.3
	K0113		133	283	-10	367	0.22	14	20	-0.1	1.99	440	115	2	4	6	-3	4	2.2
	K0114		71	475	26	373	-0.1	15	30	0.11	2.06	2310	347	-2	16	5	-3	-1	1.8
	K0115		37	282	20	299	-0.1	11	18	0.11	1.18	658	116	5	4	3	-3	2	2.1
	K0116		29	253	19	330	-0.1	14	18	-0.1	1.77	443	50	4	3	2	-3	-1	1.1
	K0117		62	198	29	252	0.13	9	23	0.21	0.41	2240	102	-2	7	3	-3	-1	1.1
	K0118		38	237	25	301	0.18	12	21	0.11	0.95	264	55	5	4	1	-3	-1	0.5
	K0119		27	327	-10	313	0.24	19	20	0.14	1.67	696	143	6	10	5	-3	3	1.1
	K0120		54	280	12	358	0.21	16	21	-0.1	1.18	842	175	-2	14	6	-3	2	1.7
	K0121		56	288	-10	255	0.24	19	22	0.19	1.12	1090	157	-2	5	4	-3	-1	0.7
	K0122		47	129	-10	361	0.14	8	15	0.14	0.57	626	73	-2	2	2	-3	-1	1.1
	K 0097		41	733	34	333	-0.1	25	38	0.13	0.88	147	156	6	4	4	-3	-1	1.2
	DUP-K 0097		37	715	41	350	-0.1	24	36	0.19	1.02	-9000	128	6	5	4	-3	-1	0.9
	K 0109		31	327	10	342	0.13	19	18	-0.1	1.61	458	139	3	4	2	-3	-1	1.7
	DUP-K 0109		28	350	13	301	0.13	17	17	0.1	1.76	397	149	-2	3	3	-3	-1	0.9
	K 0121		56	288	-10	255	0.24	19	22	0.19	1.12	1090	157	-2	5	4	-3	-1	0.7
	DUP-K 0121		51	309	-10	251	0.17	17	24	-0.1	1.02	1170	151	-2	7	5	-3	-1	1.1

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

TRAVERSE 5

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

Sampled: 6-Jun-00

By: RB, PL

Sample Interval (m): 50

K0123	587630	7092150		15		b	si cl		lim qv		
K0124	587665	7092100		15		o b	si cl		lim qv		
K0125	587695	7092070		15		o b	si cl				
K0126	587715	7092045		15		o b	si cl		qm s		cf Sample 1999/10
K0127	587740	7092010		15		o b	si cl				cf Sample 1999/9
K0128	587770	7091970		10		o b	si cl		qm s		cf Sample 1999/8
K0129	587800	7091920		10		o b	si cl		qmc s (ox)		cf Sample 1999/7
K0130	587825	7091865		10		o b	si cl		mq s		cf Sample 1999/6
K0131	587845	7091835		10		o b	si cl		qmc s		cf Sample 1999/5
K0132	587970	7091670	Duplicate for K0136								
K0133	587880	7091790		10		o b	si cl		mq s		cf Sample 1999/4
K0134	587910	7091755		10		o b	si cl		mq s		cf Sample 1999/3
K0135	587940	7091715		10		o b	si cl		mq s		cf Sample 1999/2
K0136	587970	7091670		10		o b g	si cl		qm s (green sericite)		cf Sample 1999/1
K0137	588040	7091635		10		b blk	org		qm s		
K0138	588075	7091615		10		b g	si cl				
K0139	588100	7091605		10	f	b g	si cl				
K0140	588145	7091585		10		b	si cl		qm s		
K0141	588200	7091555		10		b	si cl		qm s		
K0142	588230	7091540		10	f	b	si cl		qc s		
K0143	588265	7091515		10	f	b	si cl		qc s		
K0144	588290	7091485		10		b	si cl		cq s		
K0145	588320	7091445		10		b	si cl		cq s		
K0146	588335	7091390		10		b	si cl		cq s, blue q eyes		
K0147	588375	7091350		10		b	si cl		cq s, blue q eyes		
K0148	588415	7091305		5		b	s cl rfg				poor sample
K0149	588480	7091285		15		o b	si cl		qc s		
K0150	588520	7091260		15		o b	si cl		qc s		
K0151	588550	7091240		5		g blk	si cl		qm s		
K0152	588565	7091215		15		b	si cl rfg		qm s		
K0153	588620	7091190		15	pf	gb	si cl		qm s		poor sample
K0154	588660	7091160		5	f	b	si cl				
K0155	588720	7091160		5	f	b	si cl		qc s, ox py		
K0156	588765	7091150		5		b	si cl		qc s, ox py		
K0157	588800	7091150		5		b	si cl		qc s, ox py		
K0158	588840	7091140		5		b	si cl		qc s, ox py		
K0159	588900	7091150		5		b	si cl		qc s, ox py		
K0160	588950	7091140		5		b	si cl		qc s, ox py		
K0161	589000	7091130		5		b	si cl		qc s, ox py		
K0162	589050	7091120		5		b	si cl		qc s, ox py		
K0163	589100	7091105		5		b	si cl rfg		qc s, ox py		
K0164	589150	7091085		5		b	si cl rfg		qc s, ox py		abund rfg

K0123

DUP-0123

K0132

DUP-0132

K0135

DUP-0135

SAMPLE No.

TRAVERSE 5	Scheme Code	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
	Analysis Unit	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	Detection Limit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0123						1.21	13	7	-0.1	2.41								
K0124						-0.1	46	9	-0.1	2.04								
K0125						-0.1	3	6	-0.1	0.83								
K0126						-0.1	19	8	-0.1	2.77								
K0127		68	113	-10	357	-0.1	4	6	-0.1	3.16	118790	8	-2	-1	2	-3	2	0.2
K0128		94	126	-10	353	-0.1	35	4	-0.1	7.01	97260	4	-2	1	1	-3	1	0.1
K0129		81	162	15	253	-0.1	2	5	-0.1	5.34	166490	7	3	-1	1	-3	-1	0.2
K0130		34	93	13	354	-0.1	3	9	-0.1	19	82820	5	-2	1	1	3	2	0.4
K0131		47	75	-10	315	-0.1	15	6	-0.1	2.24	136690	11	-2	1	2	-3	3	0.6
K0132																		
K0133		29	26	-10	364	0.15	2	6	-0.1	13.8	112790	3	-2	-1	1	-3	2	0.2
K0134		58	46	13	456	-0.1	10	6	-0.1	14.3	52890	2	-2	-1	-1	-3	-1	0.1
K0135		38	183	11	282	-0.1	8	9	-0.1	3.14	138190	3	-2	4	-1	-3	3	0.1
K0136		100	70	-10	631	0.2	7	12	-0.1	6.36	160190	38	7	-1	2	-3	1	0.5
K0137						-0.1	7	8	-0.1	-0.1								
K0138						-0.1	4	5	-0.1	0.25								
K0139						-0.1	13	14	-0.1	0.25								
K0140						0.27	140	33	0.15	2.46								
K0141						-0.1	10	6	-0.1	1.02								
K0142						0.2	28	13	0.1	3.33								
K0143						0.27	42	13	-0.1	2.18								
K0144						-0.1	10	12	-0.1	3.5								
K0145						-0.1	11	13	-0.1	1.99								
K0146						-0.1	8	7	-0.1	3.1								
K0147						-0.1	6	12	0.13	1.64								
K0148						-0.1	4	9	-0.1	2.95								
K0149						-0.1	3	4	-0.1	0.63								
K0150						-0.1	10	9	-0.1	4.79								
K0151						-0.1	5	7	-0.1	0.7								
K0152						0.12	10	13	-0.1	3.06								
K0153						-0.1	3	4	-0.1	-0.1								
K0154						-0.1	21	22	0.12	1.82								
K0155						0.1	8	13	0.13	1.31								
K0156						0.16	43	17	-0.1	2.62								
K0157						-0.1	3	4	-0.1	0.4								
K0158						-0.1	2	5	-0.1	2.15								
K0159						0.21	14	16	-0.1	3.94								
K0160						-0.1	4	7	-0.1	7.37								
K0161						0.43	20	33	-0.1	26.2								
K0162						-0.1	13	7	-0.1	1.78								
K0163						0.21	29	28	-0.1	5.11								
K0164						0.19	8	8	-0.1	6.18								
DUP-0123						1.21	13	7	-0.1	2.41								
						1.01	11	9	-0.1	2.17								
DUP-0132		81	73	-10	237						583190	45	15	-1	2	-3	-1	0.7
		81	73	-10	237						583190	45	15	-1	2	-3	-1	0.7
DUP-0135						-0.1	8	9	-0.1	3.14								
						-0.1	5	9	-0.1	3.13								



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

TRAVERSE 5

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

Sampled: 6-Jun-00

By: RB, PL

Sample Interval (m): 50

K0147

DUP-0147

K0159

DUP-0159

K0136

K132 (dup of K136)

SAMPLE No.

TRAVERSE 5

Scheme Code
Analysis Unit
Detection Limit

Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1

K0147
DUP-0147

-0.1	6	12	0.13	1.64
-0.1	4	14	-0.1	2.57

K0159
DUP-0159

0.21	14	16	-0.1	3.94
0.27	13	15	-0.1	4.32

K0136
K132 (dup of K136)

0.2	7	12	-0.1	6.36
-0.1	4	9	-0.1	0.93

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL	ROCKS	COMMENTS
		EAST	NORTH	ELEV					COMPOSITION		
TRAVERSE 5(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 12-Jul-00			By: PL, SJ						
		Sample Interval (m): 50									
K-0123		587630	7092150		R	25	org	yb	si cl		
K-0124		587665	7092100		R	20	org	yb	si cl		
K-0125		587695	7092070		R	25	org	rb yb	si cl		some grey too
K-0126		587715	7092045		R	15	sk	rb	si cl gr		lots of rocks
K-0127		587740	7092010		R	20		yb	si cl		
K-0128		587770	7091970		R	20	W org	yb	si cl		could be wet due to old hole
K-0129		587800	7091920		R	20		rb	si cl		
K-0130		587825	7091865		R	25	org	rb	gv si cl		poorly developed
K-0131		587845	7091835		R	20	org	rb	si cl		
K-0133		587880	7091790		R	20		yb	si cl		
K-0134		587910	7091755		R	25	org	yb	si cl		
K-0135		587940	7091715		R	too	many	rocks	no	sample	
K-0136		587970	7091670		R	25		g yb	si cl		
K-0137		588040	7091635		R	25		g yb	si cl		
K-0138		588075	7091615		R	25		g yb	si cl		
K-0139		588100	7091605		R	30		g yb	si cl		
K-0140		588145	7091585		R	20		yb	cl si		
K-0141		588200	7091555		R	25		y	si cl		
K-0142		588230	7091540		R	30	org	yb	cl si gv		poorly developed
K-0143		588265	7091515		R	25		b	si cl		
K-0144		588290	7091485		R	20	org	yb g	si s		lots of rocks
K-0145		588320	7091445		R	25	org	yb	si cl		
K-0146		588335	7091390		R	30	org	ob	si cl		
K-0147		588375	7091350		R	30	org	ob	si cl		
K-0148		588415	7091305		R	25	org	ob	si cl		
K-0149		588480	7091285		R	15		ob g	si cl		
K-0150		588520	7091260		R	15	org	rb ob	si cl		"B" very thin
K-0151		588550	7091240		R	no	sample		"B" horizon 1 cm thick		
K-0152		588565	7091215		R	10	sk	yb	si cl		poor develop
K-0153		588620	7091190		R	25	org	ob	si cl		poor sample thin B
K-0154		588660	7091160		R	30	sk org	rb	si cl		"B" HOR
K-0155		588720	7091160		R	30	sk	yb g	si cl		"B" maybe someC
K-0156		588765	7091150		R	20	sk	yb	si cl		poor develop
K-0157		588800	7091150		R	30	org	yb	si cl		
K-0158		588840	7091140		S+	20	sk	yb	si cl		
K-0159		588900	7091150		S+	30		yb	si cl		
K-0160		588950	7091140		S++	20	org	yb	si cl		
K-0161		589000	7091130		S++	30	org	yb	si cl		
K-0162		589050	7091120		S++	30		yb	si cl gv		poor sample
K-0163		589100	7091105		S++	30	org	rb	si cl		
K-0164		589150	7091085		S++	25	org	yb	si cl		

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 %
5																
4																
6																
<1																
<1																
2																
5																
<1																
<1																
3																
3																
<1																
5																
5																
5																
8																
2																
5																
3																
4	<0.2	1.86	12	<10	340	<0.5	<2	0.11	<0.5	7	25	14	2.39	<10	<1	0.05
3	<0.2	1.23	10	<10	260	<0.5	<2	0.09	<0.5	5	17	11	1.63	<10	<1	0.05
<1	<0.2	2.22	14	<10	310	<0.5	<2	0.09	<0.5	8	33	13	3.34	<10	<1	0.05
6	<0.2	2.56	10	<10	330	<0.5	<2	0.11	<0.5	8	36	21	2.96	<10	<1	0.06
<1	0.2	1.58	8	<10	380	<0.5	<2	0.15	<0.5	5	23	8	2.72	<10	<1	0.05
1	<0.2	2.66	10	<10	550	0.5	<2	0.1	<0.5	8	30	12	2.7	<10	<1	0.05
<1	<0.2	2.04	12	<10	330	<0.5	<2	0.08	<0.5	7	30	11	3.17	<10	<1	0.04
8	<0.2	0.82	24	<10	130	<0.5	<2	0.04	<0.5	4	9	7	1.1	<10	<1	0.06
3	<0.2	1.25	14	<10	570	<0.5	<2	0.12	<0.5	5	15	9	1.79	<10	<1	0.06
1	<0.2	1.88	10	<10	360	<0.5	<2	0.1	<0.5	5	25	8	2.18	<10	<1	0.06
<1	<0.2	0.83	6	<10	150	<0.5	<2	0.04	<0.5	1	8	4	0.79	<10	<1	0.07
<1	<0.2	1.04	10	<10	150	<0.5	<2	0.08	<0.5	6	12	15	1.46	<10	<1	0.09
11	<0.2	1.45	28	<10	240	<0.5	<2	0.1	<0.5	5	19	16	1.75	<10	<1	0.07
4	<0.2	1.33	8	<10	180	<0.5	<2	0.1	<0.5	5	17	12	1.57	<10	<1	0.08
1	<0.2	1.44	8	<10	270	<0.5	<2	0.12	<0.5	5	19	11	1.79	<10	<1	0.07
1	<0.2	1.38	6	<10	270	<0.5	<2	0.1	<0.5	5	18	10	1.7	<10	<1	0.06
<1	<0.2	1.14	6	<10	280	<0.5	<2	0.07	<0.5	3	12	5	1.5	<10	<1	0.07
4	<0.2	1.45	10	<10	400	<0.5	<2	0.09	<0.5	5	20	8	2.19	<10	<1	0.06
2	<0.2	1.72	10	<10	350	<0.5	<2	0.08	<0.5	6	23	12	2.15	<10	<1	0.07
3	<0.2	1.59	8	<10	380	<0.5	<2	0.09	<0.5	6	23	13	2.03	<10	<1	0.07

La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	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

TRVERSE 5(-80) Page3

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

TRAVERSE 5A

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

Sampled: 06-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

Au	Co	Ni	Pd	Ag
MMI-A	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.18	13	19	-0.1	9.88
-0.1	12	25	-0.1	3.34
0.21	13	21	-0.1	8.14
-0.1	14	12	-0.1	0.66
-0.1	8	12	-0.1	2.48
-0.1	22	20	-0.1	9.23
-0.1	13	15	-0.1	18.3
-0.1	18	18	-0.1	2.23
-0.1	7	11	-0.1	1.79
-0.1	92	48	-0.1	1.6
-0.1	12	25	-0.1	3.34
0.1	12	24	-0.1	3.31

K0240	1	587596	7092187.3	1052	R	15	ORG	y b	si / cl			
K0241	2	587564.5	7092221.7		R	20	ORG	y b	si / cl / gr	qte p		
K0242	3	587529.2	7092261.4		R	15	ORG	db / yb	si / cl	qte p		
K0243	4	587497.1	7092297.5	1048	R	15	ORG	db / yb	si / cl	q f p		
K0244	5	587464.6	7092339.7		R	15		b	si / cl	0x qte m		
K0245	6	587439.3	7092382		R	15		y b	si / cl	ox qte m		
K0246	7	587420.3	7092430.5		R	15		y b	si / cl / gr	ox qte m		
K0247	8	587401.1	7092477.9	1052	R	20		y b	si / cl / gr	qte m p ox		
K0248	9	587379.8	7092524.5		R	15	W	y b	si / cl	qte m p ox		
K0249	10	587358.2	7092573.5	1054	R	15		b / yb	si / cl / gr			

K0241

DUP-K-0241

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

TRAVERSE 5A (-80)

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

Sampled: 06-Jul-00

By: PL, SJ

Scheme Code

Au

3993

Analysis Unit

ppb

Sample Interval (m): 50

K0240	1	587596	7092187.3	1052	R		ORG	yb	si / cl		4
K0241	2	587564.5	7092221.7		R		ORG	yb	si / cl / gr	qte p	4
K0242	3	587529.2	7092261.4		R		ORG	db / yb	si / cl	qte p	3
K0243	4	587497.1	7092297.5	1048	R		ORG	db / yb	si / cl	q f p	2
K0244	5	587464.6	7092339.7		R			b	si / cl	0x qte m	3
K0245	6	587439.3	7092382		R			yb	si / cl	ox qte m	4
K0246	7	587420.3	7092430.5		R			yb	si / cl / gr	ox qte m	3
K0247	8	587401.1	7092477.9	1052	R			yb	si / cl / gr	qte m p ox	4
K0248	9	587379.8	7092524.5		R		W	yb	si / cl	qte m p ox	<1
K0249	10	587358.2	7092573.5	1054	R			b / yb	si / cl / gr		1

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

TRAVERSE 6

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

Sampled: 8-Jun-00 By:

RGA, PL

Sample Interval (m): 25

K0165	583120	7093780		20				b, tr red	si cl		
K0166	583100	7093810		20				b, tr red	si cl		
K0167	583090	7093830		20				b, tr red	si cl		
K0168	583080	7093840		20				b, tr red	si cl		
K0169	583070	7093860		20				y b	si gr cl, tr rfg		
K0170	583060	7093880		20				rb	si cl		
K0171	583050	7093900		20				b	si cl	q por, meta qv	
K0172	583040	7093920		20				y	si cl	qm s, qv	
K0173	583030	7093940		20				y	si cl	qm s, qv	
K0174	583020	7093960		15				y	si cl	qf por, qm s	
K0175	583010	7093980		15				y	si cl	qmp s	
K0176	583000	7094000		15				yg	s cl	qp por	ridge flattens
K0177	582980	7094020		15				y b	s cl		
K0178	582970	7094040		15				y b	s cl	qm por	
K0179	582960	7094060		15				rb	si sl	qf por	
K0180	582950	7094080		15	wet			b	si cl	qf por	
K0181	582940	7094110		10	wet			y b	gr cl rfg	qmp s	crest of ridge
K0182	582920	7094130		20	wet			y b, g	s si	qm s	
K0183	582910	7094150		20	damp			b	si cl	qm s	
K0184	582900	7094170		20				y b	gr cl	qm s	
K0185	582890	7094190		20	wet			y b	gr cl	qmp s	
K0186	582880	7094210		20	wet			y b, tr red	gr cl	qmp s	
K0187	582870	7094230		30	wet			gb	si cl	qp s	
K0188	582860	7094250		20	wet			gb	si cl	qmp s	
K0189	582850	7094270		20	wet			gb	si cl	qmp s lim	

K0171

DUP-0171

K0183

DUP-0183

K0188

K215 (dup of K188)

SAMPLE No.

TRAVERSE 6

Scheme Code
Analysis Unit
Detection Limit

	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0165	70	40	-10	257	0.13	25	48	-0.1	6.3	67.9	6	12	-1	2	-3	1	2.5
K0166	36	31	-10	151	-0.1	20	81	-0.1	8.07	139	8	4	15	3	-3	9	1.5
K0167	41	204	16	281	-0.1	32	36	-0.1	5.86	186	12	4	4	2	-3	4	0.9
K0168	47	62	16	246	-0.1	55	36	-0.1	8.36	109	4	-2	4	2	-3	6	0.6
K0169	73	60	-10	353	-0.1	4	19	-0.1	6.92	54.6	6	3	1	2	-3	6	0.3
K0170	70	81	12	370	-0.1	72	15	-0.1	8.56	75.2	6	10	2	2	-3	6	0.4
K0171	37	173	-10	418	-0.1	4	21	-0.1	7.63	92	7	6	1	1	-3	4	0.5
K0172	24	83	-10	259	-0.1	5	39	-0.1	6.28	93.3	12	8	2	2	-3	6	0.7
K0173	42	57	-10	387	-0.1	7	17	-0.1	6.61	69.7	8	6	-1	1	-3	5	0.4
K0174	24	70	-10	306	-0.1	5	19	-0.1	8.37	94.6	25	5	4	1	-3	3	1
K0175	30	241	22	360	-0.1	6	10	-0.1	10.3	82.1	8	4	2	1	-3	3	0.6
K0176	35	33	-10	1050	-0.1	3	11	-0.1	6.29	43.2	13	4	-1	2	-3	4	0.5
K0177	36	25	-10	370	0.1	2	6	-0.1	5.74	27.6	4	7	-1	-1	-3	2	0.1
K0178	26	41	-10	489	-0.1	5	9	-0.1	4.56	45.1	3	5	-1	-1	-3	2	0.2
K0179	54	25	-10	811	0.11	5	13	-0.1	5.96	75.3	3	4	-1	1	-3	5	0.2
K0180	30	42	-10	356	-0.1	5	10	-0.1	3.97	47.1	3	7	-1	1	-3	4	0.2
K0181	16	23	-10	381	-0.1	7	12	-0.1	1.87	48.6	4	4	-1	-1	-3	4	0.3
K0182	31	79	-10	494	-0.1	8	10	-0.1	4.09	55.6	9	-2	-1	1	-3	6	0.3
K0183	115	79	-10	502	0.17	17	20	-0.1	2.71	49.3	10	-2	-1	2	-3	3	0.2
K0184	105	189	17	635	-0.1	12	21	0.14	2.24	164	37	13	2	3	-3	5	1.6
K0185	69	92	-10	738	-0.1	9	25	0.2	2.94	138	55	10	2	3	-3	4	2.5
K0186	81	76	-10	641	-0.1	46	155	-0.1	3.15	49.1	31	22	-1	4	-3	4	0.8
K0187	29	217	31	465	-0.1	13	17	0.2	2.69	179	28	3	5	4	-3	4	2.1
K0188	60	217	12	442	-0.1	26	33	0.1	5.09	90.9	46	10	3	4	-3	3	1
K0189	74	90	14	386	0.11	9	21	-0.1	4.04	355	41	11	3	4	-3	3	1.9
K0171	37	173	-10	418	-0.1	4	21	-0.1	7.63	92	7	6	1	1	-3	4	0.5
DUP-0171	35	187	13	411	-0.1	3	19	-0.1	7.91	89	7	4	2	1	-3	2	0.6
K0183	115	79	-10	502	0.17	17	20	-0.1	2.71	49.3	10	-2	-1	2	-3	3	0.2
DUP-0183	129	72	-10	567	-1000	-1000	-1000	-1000	-1000	59.3	11	3	-1	2	-3	2	0.4
K0188	60	217	12	442	-0.1	26	33	0.1	5.09	90.9	46	10	3	4	-3	3	1
K215 (dup of K188)	67	158	16	463	0.11	29	31	-0.1	3.95	68	40	11	2	3	-3	1	0.6

SAMPLE No.	GPS W'PT	UTM COORDS (M)			DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV						

TRAVERSE 7

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

Sampled: 8-Jun-00

By: RGA, PL

Sample Interval (m): 25

K0190	588410	7092370	25	damp	b	si cl, some org	qmp s		
K0191	588380	7092380	25	damp	b	si cl, some org	q s		
K0192	588360	7092400	25	damp	b	cl si	qv		
K0193	588340	7092410	30	sf	b	cl si	qmp s		
K0194	588320	7092420	20		b	gr si cl	qfmp s		
K0195	588300	7092430	20		b	gr si cl	qmp s		
K0196	588280	7092450	20		rb	gr cl			
K0197	588260	7092460	20	wet	b	gr cl	meta qv		
K0198	588240	7092480	20	wet	b	si cl	qm s		
K0199	588220	7092490	20	wet	b	si cl	qm s		
K0200	588200	7092500	20	wet	b	si cl	qmp s		
K0201	588170	7092520	25	pf	org gb	cl	qmcp s		
K0202	588150	7092530	20	wet	org.gb	cl	qmp s		
K0203	588130	7092550	40	f				poor sample	
K0204	588110	7092560	40	f				poor sample	
K0205	588090	7092580	30	f	gb	cl			
K0206	588070	7092590	25	pf	b	cl	qm s, sl goss		
K0207	588050	7092610	25	pf	b	cl, some org	tr qv		
K0208	588030	7092620	25	f	b	si cl			
K0209	588010	7092630	25	f	b	si cl			
K0210	587990	7092640	25	pf	b	gr si cl	?meso qv		
K0211	587970	7092660	10		rb	si cl	qmp s		
K0212	587950	7092670	15		yb	si cl	qmcp s		
K0213	587930	7092680	15		yb	gr cl,rfg	qm s,qv		
K0214	587910	7092700	10		b	si cl,rfg	qv, hem m s		
K0215	582860	7094250	Duplicate for K0188						

K0195

DUP-0195

K0207

DUP-0207

SAMPLE No.

TRAVERSE 7

Scheme Code
Analysis Unit
Detection Limit.

	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0190	81	108	35	404	0.24	11	13	-0.1	10.7	434	1700	5	3	3	-3	4	2.7
K0191	49	288	48	286	0.2	14	19	0.13	4.13	450	1380	2	3	3	-3	5	1.2
K0192	35	286	25	176	0.12	8	8	-0.1	1.18	359	738	4	5	3	-3	6	0.8
K0193	37	290	40	163	0.13	8	8	-0.1	1.45	859	1040	5	4	4	-3	5	0.9
K0194	77	83	30	239	0.33	17	14	-0.1	10.1	186	1270	10	3	4	-3	4	1.3
K0195	87	47	40	499	0.38	7	15	-0.1	13.8	596	1120	8	2	3	-3	-1	2.2
K0196	106	59	33	375	0.46	11	17	-0.1	11.1	1020	1620	9	-1	3	-3	2	6.6
K0197	40	157	53	269	0.34	10	16	-0.1	5.75	120	1270	5	-1	2	-3	9	1.7
K0198	100	153	38	244	0.37	18	15	-0.1	8.43	318	1720	10	-1	6	-3	2	1.7
K0199	80	187	48	345	0.39	15	16	-0.1	8.71	372	789	6	-1	3	-3	-1	1.7
K0200	103	152	45	323	0.49	14	18	-0.1	10.4	894	1670	6	2	5	-3	4	2.5
K0201	43	628	60	192	0.37	24	26	0.14	2.88	212	1570	9	4	3	-3	2	0.8
K0202	96	327	55	383	0.28	17	19	-0.1	9.6	405	2150	3	3	6	-3	-1	1.7
K0203	55	536	75	208	0.26	26	32	0.22	1.78	763	2230	6	6	6	-3	-1	1
K0204	86	387	58	125	0.2	19	31	0.14	2.88	1290	2020	7	2	9	-3	-1	0.6
K0205	47	402	44	266	0.23	27	30	0.12	2.24	433	1320	4	2	6	-3	3	0.5
K0206	63	379	57	200	0.16	16	14	-0.1	4.99	750	1910	6	5	4	-3	5	1.6
K0207	76	453	42	230	0.21	14	15	-0.1	2.81	843	882	5	5	6	-3	2	1.5
K0208	101	437	46	225	0.18	15	19	0.11	2.22	1450	1800	10	2	5	-3	-1	1.5
K0209	35	408	29	163	-0.1	18	14	-0.1	0.87	494	381	4	8	4	-3	-1	0.1
K0210	46	183	46	299	0.3	7	12	-0.1	2.73	453	1130	3	3	2	-3	1	0.9
K0211	38	91	15	210	0.28	27	10	-0.1	3.79	167	197	13	-1	2	-3	-1	-0.1
K0212	42	277	33	261	0.26	44	11	-0.1	5.6	181	413	9	2	3	-3	3	0.4
K0213	45	168	20	286	0.23	6	12	-0.1	8.01	354	354	3	3	3	-3	2	0.3
K0214	65	150	28	290	0.22	5	8	-0.1	1.93	625	864	-2	2	2	-3	-1	0.6
K0215																	
DUP-0195	87	47	40	499	0.38	7	15	-0.1	13.8	596	1120	8	2	3	-3	-1	2.2
	79	51	48	452	0.38	6	16	-0.1	13.5	514	1130	5	1	3	-3	2	1.7
DUP-0207	76	453	42	230	0.21	14	15	-0.1	2.81	843	882	5	5	6	-3	2	1.5
	66	475	49	215	-1000	-1000	-1000	-1000	-1000	804	827	5	5	5	-3	1	1.8

SAMPLE No.	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au	Co	Ni	Pd	Ag
		EAST	NORTH	ELEV									MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
TRAVERSE 8												Analysis Unit	ppb	ppb	ppb	ppb	ppb
GRAND FORKS 1:50,000 115-0/14												Detection Limit	0.1	1	3	0.1	0.1
Sampled: 05-Jul-00 By: PL, SJ																	
Sample Interval (m): 50																	
K0216	111	588549	7092156.7		S++	15	W	gb	si / cl	q m s	thick moss		0.32	29	26	-0.1	4.02
K0217	112	588582	7092109.2		S++	15	W	gb	si / s / cl / gr	qv qte m fol			0.6	30	28	0.13	5.79
K0218	113	588617	7092079.1		S++	22	W	gb	si / s / cl	qv qte m fol			0.82	30	29	-0.1	18.9
K0219	114	588653	7092044.3		S++	15		yb	si / cl	qte m p			0.82	14	18	-0.1	6.49
K0220	115	588685	7092009.9	854	S++	20	org	gb	si / cl	qte m			0.26	10	22	-0.1	8.76
K0221	116	588729	7091977		R	15	sk	yb	si / cl / gr	qte m	poorly developed		0.52	50	24	0.11	4.65
K0222	117	588756	7091942.5		R	20	org	b	gr / si / cl				0.39	17	26	-0.1	3.56
K0223	118	588784	7091908.6		S++	15	org	yb	si / cl / gr	qte m p			0.82	25	23	-0.1	33.9
K0224	119	588813	7091877.7		S++	15		gb	si / cl / gr	qte m p	poorly developed		2.88	92	51	0.2	19
K0225	120	588852	7091848.9		S++	15	org	gb	gr / si / cl	qte m p	poorly developed		1.81	23	22	0.1	15.9
K0226	121	588883	7091819.3		S++	15	org	gb	gr / si / cl	qte m p c			2.21	108	87	-0.1	32.5
K0227	122	588916	7091780.2		V	30	PF / org	gb	si / cl	qte m p	thick moss "A"		3.18	14	54	0.15	6.29
K0228	123	588953	7091752	795	S++	20	W / org	b	si / cl	qte m p	poorly developed		0.8	69	54	0.12	4.86
K0229	124	588986	7091717		S++	25	F / org	b	si / cl		"A"		-0.1	10	17	-0.1	3.73
K0230	125	589025	7091692.4		S++	25	W	yb	gr / si / cl	qte m p	qte eyes		0.23	24	25	-0.1	4.2
K0231	126	589062	7091664.2		S++	30	F (ice) org	db	si / cl				0.27	15	24	-0.1	1.23
K0232	127	589091	7091630.9	851	S++	20	org / W	b	si / cl / gr				0.71	18	24	-0.1	5.48
K0233	128	589121	7091602.4		S++	25	W	yb	gr / gv / si / cl	qte m p c	very poor dev		0.16	19	24	-0.1	3.26
K0234	129	589158	7091567		S++	NO	SAMPLE			qte m p c	boulder field n/s						
K0235	130	589189	7091532.6		S++	20	org	b	si / cl	qte m p c	definite "A"		0.21	8	10	-0.1	7.17
K0236	131	589218	7091495.2		S++	20	org	b	si / cl	qte m p c	HUMUS large samp		-0.1	14	10	-0.1	23
K0237	132	589254	7091468.1		S++	40	F / org	gb	si / cl	qte m p c	50% ice		1.84	151	141	0.15	3.51
K0238	133	589284	7091437.8		S++	40	PF / org	gb	si / cl / gr	qte m c p			1.34	17	25	-0.1	2.71
K0239	134	589301	7091401		S++	40	W	gb	cl / gv / si	qte m c p			0.85	18	24	-0.1	6.97
K0216													0.32	29	26	-0.1	4.02
DUP-K-0216													0.22	28	23	-0.1	3.52
K0228													0.8	69	54	0.12	4.86
DUP-K-0228													0.87	62	51	0.12	4.51

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 / si	qte m c p	

Scheme Code
Analysis Unit

Au
3993
ppb

SAMPLE No.	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 9											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 07-Jul-00 By: PL, SJ											
Sample Interval (m): 50											
K0250	58	590222.7	7091444.5	946	S	15	sk	rb	si / cl / gv	qte b p	BIOT py qte samp
K0251	57	590204.3	7091462.5		R	15	org	yb g	si / cl	qte ser p	
K0252	23	590148.3	7091497.3		R	10		g b yb	si / cl	qte m ox	
K0253	24	590106.8	7091530.2	951	R	10		b	si / cl	qte m p lim	
K0254	25	590072.3	7091561.5		S	20	W	b g yb	si / cl	qte ser	
K0255	26	590032.4	7091593.3		S	20	W	yb	si / cl	qte m	
K0256	27	589994.7	7091622.7		S+	20	W	yb	si / cl	qte m ox	
K0257	28	589959.8	7091656.4	928	S+	20		yb	si / cl	qte m	
K0258	29	589920.2	7091690.5		S+	15	org	b	si / cl / gr	qte m p	
K0259	30	589883.9	7091717.6		S+	15	org	b	si / cl	qte m p c (fg??)	
K0260	31	589845.4	7091747		S+	20		rb	si / cl	qte m p lim	
K0261	32	589808.7	7091778.8	891	S+	15		b	si / cl	qte m p	
K0262	33	589769.4	7091809.4		S++	15	org	b	si / cl	qte ser p	HUMUS & "C"
K0263	34	589734.8	7091834.1		S++	30		rb	<u>si / cl</u>	qm s p ox	
K0264	35	589696	7091857.5		S++	20		rb	si / cl	qm s	
K0265	36	589658.1	7091883.3	825	S++	15	org	yb	si / cl	qte p	
K0266	37	589624.7	7091911.7		S++	10		yb	si / cl / gv	qte ser p	
K0267	38	589587.8	7091943.5		S++	25	W	g yb	si / cl	qte ser p	
K0268	39	589554.3	7091973.7		S++	45	F (ice)org	b	cl		poor sample "A" thick moss
K0269	40	589521.9	7092012.2	759	S++	30		yb	gv / si / cl	qte ser p lim	"C"
K0270	41	589480.6	7092029.6		S++	20		yb g	si / cl	qte ser bxap	
K0271	42	589446.1	7092059.1		S++	15	sk	rb	gr / si / cl	qte ser p	probably "C"
K0272	43	589419.6	7092091.8		S++	25	org	b	si / cl	qte m	
K0273	44	589383.2	7092123.1	702	S++	30	W org	b	si / cl	qte ser p lim	
K0274	45	589348.3	7092149.6		V	35	F org	b	si		"A" 15m from creek
K0275	46	589321.5	7092184.7		V	25	F org	b gb	cl		A & B 10 m from creek
K0276	47	589282.6	7092211.7		S++	30	W	yb	si / cl		
K0277	48	589241.6	7092237.4	704	S++	20		yb	si / cl	qte m s	"A"
K0278 none					S++	20	W org	b	si / cl	qte m p	no WPT
K0279	49	589169.8	7092283.8		S++	20	W	yb	gr / si / cl	qte m	
K0280	50	589134.4	7092324.1		S++	25	sk	yb	gr / si / cl	qte ser p	poorly developed
K0281	51	589099.2	7092351.8	744	R	25		b yb	si / cl	qv	many rocks under moss
K0282	52	589059.4	7092391.9		R	15		b	si / cl	qte ser	
K0283	53	589027.5	7092420.3		R	20		yb	si / cl / gr	qte m	
K0284	54	588996.2	7092458.9		R	25		yb	si / cl	qte m	
K0285	55	588957.8	7092496.1	731	S+	25	W org	b	si / cl	qte ser p	
K0286	56	588927.6	7092521.5	709	S++	20	W	rb	si / cl		

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	3	9	-0.1	4.81
-0.1	7	14	-0.1	5.49
-0.1	8	13	-0.1	3.28
1.34	88	23	-0.1	7.53
-0.1	6	11	-0.1	0.53
0.43	12	16	-0.1	1.27
0.41	18	25	-0.1	2.18
0.4	17	21	-0.1	2.66
0.5	101	45	-0.1	2.46
0.28	10	20	-0.1	0.92
0.61	18	31	-0.1	2.96
0.6	22	20	-0.1	3.63
-0.1	16	31	-0.1	2.74
0.1	5	10	-0.1	0.65
-0.1	27	22	-0.1	4.29
-0.1	51	24	-0.1	3.48
0.43	9	12	-0.1	7.67
0.4	15	25	-0.1	17.4
0.22	13	24	-0.1	1.35
0.38	12	29	-0.1	4.36
0.12	12	31	-0.1	8.69
0.21	8	19	-0.1	4.22
0.22	17	39	-0.1	5.36
0.23	17	40	0.11	2.47
0.14	30	39	0.15	0.59
0.26	91	84	-0.1	2.55
0.31	32	37	-0.1	9.47
0.35	37	51	-0.1	7.46
0.42	20	41	0.1	2.99
0.22	16	29	-0.1	4.14
0.2	15	23	-0.1	2.15
0.11	9	23	-0.1	4.45
0.27	26	62	-0.1	4.49
0.1	6	12	-0.1	2.9
0.18	23	32	-0.1	2.61
0.22	25	38	-0.1	2.32
0.16	19	24	-0.1	3.12

K0287 duplicate K0 251

K0251

K0253

DUP-K-0253

K0265

DUP-K-0265

K0277

DUP-K-0277

-0.1	15	15	-0.1	8.31
-0.1	7	14	-0.1	5.49
1.34	88	23	-0.1	7.53
1.09	94	23	-0.1	5.58
-0.1	51	24	-0.1	3.48
0.11	51	28	-0.1	3.27
0.35	37	51	-0.1	7.46
0.31	41	53	-0.1	6.15

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

TRAVERSE 10 GRAND FORKS 1:50,000 115-0/14

Sampled: 08-Jul-00

By: PL,SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K0288	59	589603.1	7092600	648	S++	40	F org	b	si / cl			-0.1	8	18	-0.1	0.72
K0289	60	589640.6	7092568.8		S++	35	W	b	gr / si / cl	qte s ox		0.13	106	64	-0.1	11
K0290	61	589669.7	7092542.2		S++	40	F org (ice)	b	si / cl	qte ser p	poor sam org "A"	0.13	16	31	-0.1	1.84
K0291	62	589708	7092511.5		S++	30	sk org	b	gr / si / cl	qte p m	"C" poorly dev	0.41	15	27	-0.1	1.23
K0292	63	589745.9	7092481.5	715	R	30	sk org	b / yb	gv / si / cl	qte ser lim	"C"	0.3	12	18	-0.1	1.92
K0293	64	589788	7092455.2		R	10	org	b	gr / si / cl	qte ser		0.34	16	27	-0.1	3.58
K0294	65	589827.3	7092423.5		S++	15	org	b	gr / si / cl	qte ser s		0.19	11	28	-0.1	2.06
K0295	66	589865	7092392.3		S++	35	F org	b	si / cl	qte ser		0.2	19	28	-0.1	2.12
K0296	67	589902.3	7092356.3	708	S++	20	sk	yb	gr / si / cl	qte ser s	"C" poorly dev	0.15	10	21	-0.1	9.04
K0297	68	589934.3	7092314.7		S++	25		b	si / cl	qte ser	"A"	0.25	28	37	-0.1	1.7
K0298	69	589974.2	7092280		S++	25	W	b	si / cl	qte m	"A"	0.16	11	25	-0.1	2.03
K0299	70	590004.3	7092250.3		S++	30	org	b	si / cl	qte ser s	"A"	0.41	20	26	-0.1	1.41
K0300	71	590041.3	7092216.7	686	S++ V	20	org	b	gv / si / cl	qte ser		0.19	12	21	-0.1	2.04
K0301	72	590086.8	7092197.7		S++ V	poor	sample	location								
K0302	73	590118.3	7092180.7		S++	50	org	b	si / cl		"A"	0.86	29	18	-0.1	1.56
K0303	74	590152.4	7092148.8		S++	35	W org	b	si / cl		"A"	0.53	25	24	0.12	1.77
K0304	75	590191	7092114.6	784	S++	30	F org	b	si / cl		"A"	0.21	13	17	-0.1	0.67
K0305	76	590227.5	7092089.9		S++	30		b	si / cl		"A"	0.38	22	26	0.14	2.07
K0306	77	590263.2	7092056.3		S++	35	F	black	si / cl		"A"	0.39	49	35	-0.1	1.89
K0307	78	590290.6	7092027.1		S++	20	W	b	si / cl		"A"	0.44	45	32	-0.1	1.87
K0308	79	590325.4	7091989.3	838	S++	30		yb	si / cl	qte m	"A"	0.41	46	36	-0.1	2.39
K0309	80	590363.9	7091957.5		S+	30		b	si / cl	qte ser ox p	"A"	0.56	13	18	-0.1	2.77
K0310	81	590403.5	7091923.4		S+	30	W org	b	si / cl	qte s m	"A"	3.37	24	29	-0.1	3.8
K0311	82	590434.4	7091893.2		S++	30	sk org	yb	gv / si / cl	qte m lim p	poor sam "B"	1.82	6	13	-0.1	6.77
K0312	83	590472	7091856.6	822	S++	25	sk	yb	si / cl / gv	qte m p lim	"B"	5.07	11	13	-0.1	8.72
K0313	84	590507.9	7091825.9		S+	25		yb	gr / si / cl	qte ser p	srtong lim ser	3.8	14	11	-0.1	3.75
K0314	85	590545.9	7091786.9		S+	30	sk	g yb	gv / si / cl	qte ser p lim	"B"	-0.1	2	6	-0.1	5.54
K0315	86	590583.5	7091759.3		S++	25	sk org	yb	si / cl	qte ser p lim	"B"	0.18	3	5	-0.1	2.1
K0316	87	590613.7	7091723.7	894	S++	30	sk org	b	si / cl	qte ser p ox	"A"	0.13	3	7	-0.1	10.9
K0317	88	590652.4	7091697.3		S++	30	org	b	si / cl	qte m s	"A"	2.3	33	40	-0.1	4.29
K0318	89	590687.2	7091666.6	896	S++	30	org	yb	si / cl / gr	qte m ox p	"b"	0.81	25	21	-0.1	3.51

K0319 duplicate K0290

-0.1	15	27	-0.1	1.64
0.13	16	31	-0.1	1.84

K0320 duplicate K0300

0.21	23	36	-0.1	1.95
0.19	12	21	-0.1	2.04

K0321 duplicate K0310

4.24	27	33	-0.1	3.6
3.37	24	29	-0.1	3.8

DUP-K-0289

0.13	106	64	-0.1	11
0.17	107	75	0.13	9.77

DUP-K-0302

0.86	29	18	-0.1	1.56
0.95	27	22	-0.1	1.45

DUP-K-0314

-0.1	2	6	-0.1	5.54
-0.1	2	6	-0.1	5.21

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

TRAVERSE 11 GRAND FORKS 1:50,000 115-0/14

Sampled: 10-Jul-00 By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0322	90	589996.9	7092854.2	650	S++	20	PF org	b	si cl		g carbonaceous	0.22	68	59	-0.1	3.8
K-0323	91	590031.5	7092819.3		S++	20	org	g	si cl gv	qte p	g carbonaceous	0.22	60	95	-0.1	3.38
K-0324	92	590071.1	7092796.5		S++	25	PF org	g	si cl gv		g carbonaceous	0.29	153	297	-0.1	2.81
K-0325	93	590105.5	7092763.4		S++	20	org	gb	si cl		g carbonaceous	-0.1	14	96	-0.1	6.34
K-0326	94	590147.6	7092734.1	726	S++	20		gb	si cl	qte p	Dacite banded	-0.1	22	82	-0.1	5.65
K-0327	95	590187.2	7092703		S++	25		gb	si cl	qte p	Dacite banded	0.32	56	114	0.14	6.52
K-0328	96	590227.7	7092676		S++	20	org	gb	si cl	qte p	g carbonaceous	0.21	78	103	0.1	100
K-0329	97	590262.4	7092647.1		S++	20	org	gb yb	si cl	qte p	g carbonaceous	0.3	53	82	-0.1	8.61
K-0330	98	590300.7	7092613.6	751	S++	20	org	gb	si cl	qte p	g carbonaceous	-0.1	28	20	-0.1	5.25
K-0331	99	590340	7092584.2		S++	20	org	gb	si cl	qte p	g carbonaceous	0.12	16	25	-0.1	6.05
K-0332	100	590376.2	7092549.4		S++	30	org	g yb	si cl	qte p	g carb folded	0.18	31	33	-0.1	3.8
K-0333	101	590414.4	7092522.3		S++	25	org	gb	si cl	qte p	g carbonaceous	0.14	24	35	-0.1	1.94
K-0334	102	590445.3	7092489.7	809	S++	25	sk org	gb	si cl	qte p	carb	-0.1	19	16	-0.1	2.72
K-0335	103	590482.2	7092459.7		S++	15		yb	si cl	qv		0.25	66	88	-0.1	3.34
K-0336	104	590523.1	7092427.4		S+	15	sk	yb	si cl	qte m lim		0.19	6	35	-0.1	2.52
K-0337	105	590555.3	7092387.1		S+	25		yb	si cl gr	qte carb p b(?)		0.3	39	38	-0.1	3.03
K-0338	106	590592.2	7092356.4	829	S+	15	org	yb	si cl gv	qte ser		0.15	13	11	-0.1	1.33
K-0339	107	590630.2	7092327		S+	25		yb	si cl gr	q ser s		-0.1	2	4	-0.1	6.75
K-0340	108	590674.4	7092290.1		S++	30	sk org	yb	gr s si	qte ser p	"C"	-0.1	3	4	-0.1	2.3
K-0341	109	590710.1	7092263		S++	20		yb	si cl gv	q s ser		-0.1	4	5	-0.1	2.32
K-0342	110	590748.2	7092230.6	801	S++	20	sk org	yb	s si	q ser s qte	poor dev	-0.1	7	8	-0.1	4.77
K-0343	111	590779.8	7092199.8		S++	25		yb	si cl gr	qte ser p		0.11	13	15	-0.1	2.97
K-0344	112	590820.2	7092169.9		S++	15		yb	si cl gr	q m s qte carb p		0.25	47	92	-0.1	3.42
EOL K-0345	113	590861.7	7092135.8	776	S++	20		gb	si cl gr	qte carb		-0.1	8	25	-0.1	4.4
K0330												-0.1	28	20	-0.1	5.25
K-0346		CHECK	FOR	K-0330								-0.1	41	21	-0.1	5.72
K0341												-0.1	4	5	-0.1	2.32
K-0347		CHECK	FOR	K-0341					NOTE: grey , carb =carbonaceous			-0.1	4	4	-0.1	1.19
K0326												-0.1	22	82	-0.1	5.65
DUP-K-0326												-0.1	21	76	-0.1	5.47
K0338												0.15	13	11	-0.1	1.33
DUP-K-0338												0.15	11	14	-0.1	1.75

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
EAST		NORTH	ELEV								
TRAVERSE 13											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 21-Jul-00 By: PL, SJ											
Sample Interval (m): 50											
K-0495	61495	590625.3	7093218.6	668	>30	30	org	gb	si / cl	qte lim micro viens	B
K-0496	62	590622.6	7093130		>20	25	w	gb	si / cl	carb qte	B
K-0497	63	590616.1	7093085		S++	25	w	gb	si / cl	carb qte	B
K-0498	64	590610.6	7093037		S++	30	moist org	gb	si / cl	qm s / carb s	B
K-0499	65	590609.5	7092983.7	736	S++	35	sk w	yb	si / cl	qte lim micro viens	bull quartz
K-0500	66	590607.4	7092941.2		S++	20		yb	si / cl	carb s	
K-0501	67	590608.4	7092895.8		S++	25		g / yb	si / cl	carb qte	
K-0502	68	590606.3	7092845.5		S++	20		b yb	si / cl	qm s p lim	
K-0503	69	590600.2	7092798.7	780	S++	20		b yb	si / cl	carb qte lim	
K-0504	70	590594.2	7092750.6		S++	20		yb	si / cl	carb s	
K-0505	71	590588.7	7092704.4		S++	20		g yb	si / cl	qv	
K-0506	72	590584.9	7092608.6		S	20		yb	si / cl		
K-0507	73	590578.2	7092559.4	792	S	20	sk org	yb	si / cl	qm s	
K-0508	74	590577.4	7092560		S	20	sk org	yb	si / cl	qv	
K-0509	75	590571	7092507.7		S	20		yb	si / cl		
K-0510	76	590562.8	7092456.7		S	20	w	bg	si / cl	carb qte	b, c?
K-0511	77	590557.3	7092408.7	809	S	20	sk	yb	si / cl	qm s	b, c?
K-0512	78	590552	7092363.7		S	20	org	y gb	si / cl	carb qte p lim	
K-0513	79	590546	7092319.2		S	20		yb	si / cl	qm s	
K-0514	80	590549.8	7092268.5		S	no	sample	all	"C"	qte ser / s	C
K-0515	81	590555.6	7092223.8	835	S	20	sk	rb	si / cl	qte ser / s	B
K-0516	82	590550.5	7092172.8		S	no	sample	all	"C"	qm sp	C
K-0517	83	590536.9	7092122.2		S	no	sample	all	"C"	qte ser / s	C
K-0518	84	590548.6	7092020.3		S	20	sk	yb	si / cl	qte ser / s	B
K-0519	85	590549.1	7092019.1	855	S++	no	sample			qte ser / s	C
K-0520	86	590546	7091972.3		S++	no	sample			qte ser / s	C
K-0521	87	590535	7091925.4		S++	30	org	g yb	si / cl / gv	qte ser / s	B
K-0522	88	590529.2	7091870.8		S++	30	org	g yb	si / cl	qtems lim	B
K-0523	89	590515	7091835.7	892	S++	25	org	yb	si / cl	qte ser / s	B
K-0524	90	590499.1	7091786.2		S++	no	sample	thin	b profile poor sam	qte well banded	gneissic P, A B C
K-0525	91	590483.2	7091743.3		S++	25	sk org	rb	si / cl	ox qte m	B
K-0526	92	590470.7	7091692.7		S++	25	org	yb	si / cl	qte ser foliated, lim patch	perp foliation
K-0527	93	590461.9	7091644.5	918	S++	no	sample	too	many rocks	qte m s	A
K-0528	94	590444.8	7091607.6		S++	30		yb	si / cl	qte m s	boulder fields B
K-0529	95	590422.4	7091562.7		S++	35	org	b yb	si / cl	qte m s	B
K-0530	96	590411	7091529		S++	20		yb	si / cl	qte m s	lots of rocks B
K-0531	96531	590399.1	7091505.8	956	S++	20	org	b yb	si / cl	qte m s exp	folded B

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
0.19	57	79	0.13	3.49
0.22	141	258	0.11	12
0.13	37	163	-0.1	13.6
-0.1	60	67	-0.1	2.05
0.26	356	551	0.11	20.1
0.15	57	44	-0.1	3.2
0.13	49	63	0.11	5.63
-0.1	31	66	-0.1	2.74
0.13	149	95	-0.1	5.78
1.03	11	44	-0.1	1.57
0.25	70	136	-0.1	3.2
-0.1	74	81	-0.1	3.46
-0.1	14	32	-0.1	1.21
0.24	133	144	-0.1	2.47
-0.1	12	33	-0.1	0.6
0.19	23	120	-0.1	4.44
0.12	25	50	-0.1	9.31
0.22	90	248	0.1	5.71
0.87	63	133	0.18	5.61
0.31	3	14	0.15	1.25
0.2	5	17	-0.1	1.29
0.19	17	21	0.11	6.27
-0.1	7	23	-0.1	5.79
-0.1	9	18	-0.1	1.46
-0.1	6	16	-0.1	1.89
-0.1	4	13	-0.1	5.75
0.27	7	37	-0.1	8.9
0.56	8	25	-0.1	2.34
1.23	9	19	-0.1	4.55
-0.1	5	16	-0.1	1.79
1.39	9	20	-0.1	1.22
0.25	15	26	-0.1	6.41
-0.1	14	22	-0.1	1.44
0.25	21	34	-0.1	2.45
-0.1	8	34	-0.1	3.07
-0.1	5	14	-0.1	3.97
-0.1	10	20	-0.1	1.85
0.15	57	44	-0.1	3.2
-0.1	43	34	-0.1	2.96
0.19	23	120	-0.1	4.44
0.14	25	235	0.11	6.96
-0.1	4	13	-0.1	5.75
-0.1	3	15	-0.1	4.57
-0.1	5	14	-0.1	3.97
-0.1	6	18	-0.1	5.55
0.13	149	95	-0.1	5.78
0.2	135	90	0.1	7.19
0.2	5	17	-0.1	1.29
-0.1	4	14	-0.1	1.11
-0.1	14	22	-0.1	1.44
0.12	12	21	-0.1	1.21

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

TRAVERSE 12 GRAND FORKS 1:50,000 115-0/14

Sampled: 07 11 00

By: PL, SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

c	114	590145.7	7093147.3	620	S++	20	org	b	si cl		"B"	-0.1	185	59	0.15	2.28
K-0349	115	590177.6	7093123.7		S++	30	F ice org	gb	si cl		"A"	0.17	81	122	0.11	1.77
K-0350	116	590218.5	7093092		S++	30	PF org	b	si cl		"A"	0.15	80	74	0.16	3.06
K-0351	117	590256.3	7093069.2		S++	30	PF org	b	si cl		"A"	0.17	195	102	0.15	4.06
K-0352	118	590298.9	7093039.9	696	S++	25	org	b	si cl		"A"	0.15	250	693	-0.1	5.3
K-0353	119	590336.8	7093023.1		S++	30	org	b	si cl		"A"	0.15	65	199	0.16	11.7
K-0354	120	590372.7	7092997.2		S++	25	org	b	si cl		"B" & "A"	0.16	36	310	0.15	4.29
K-0355	121	590410.2	7092973.8		S++	25	PF org	b	si cl		"A"	-0.1	21	114	-0.1	6.01
K-0356	122	590446.3	7092946.7	743	S++	30	W org	gb	si cl		"B"	0.35	102	2070	0.16	7.02
K-0357	123	590493.1	7092917.6		S++	25	W	gb	si cl	carb s q lim	"B"	0.64	66	1470	0.13	108
K-0358	124	590521.3	7092890.3		S++	20	org	gb	si cl	carb s qm s	"B"	0.14	69	79	0.14	4.3
K-0359	125	590568.2	7092858.7		S++	25	org	b yb	si cl gr	lim carb s	"B"	0.29	100	48	-0.1	19.4
K-0360	126	590607.1	7092831.2	776	S++	30		yb	si cl	carb qte lim	"B"	0.14	45	60	-0.1	4.43
K-0361	127	590649.3	7092801.9		S++	30		gb yb	si cl	qte m carb s	"B"	0.15	7	38	-0.1	4.89
K-0362	128	590689.6	7092770.2		S++	20		gb yb	si cl gr	carb qte lim	"B" lots qte	-0.1	9	20	0.12	13.7
K-0363	129	590729.8	7092744.4		S++	25	org	gb yb	si cl gv	carb qte, lim on fracture p	"B"	-0.1	29	42	0.11	5.07
K-0364	130	590771.3	7092712.7	772	S++	20		yb gb	si cl	carb qte p lim	"B"	0.27	49	68	-0.1	11.5
K-0365	131	590803.5	7092681.4		S++	25	org	yb gb	si cl	carb s	"B"	0.18	59	50	0.12	10
K-0366	132	590840.1	7092652.5		S++	25		yb	si cl	carb s	"B"	0.45	47	58	-0.1	47.3
K-0367	133	590875.1	7092614.7		S++	25	org	yb	si cl	carb qte lim frac	"B"	0.21	101	95	-0.1	8.28
K-0368	134	590913.5	7092578.7		S++	25		yb	gr si cl	carb qte lim	"B"	0.21	124	65	-0.1	28.2
K-0369	135	590950.4	7092549.9	742	S++	20	W PF	yb	gv si cl	qm s	"B"	-0.1	14	24	0.12	5.62

K-0350

K-0370 duplicate K-0350

K-0360

EOL K-0371 duplicate K-0360

K-0348

DUP-K-348

K-0360

DUP-K-360

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 13(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: July 21.00		By: pl sj							
		Sample Interval (m): 50									
K-0495		590625.3	7093218.6	668	>30	30	org	gb	si / cl	qte lim micro viens	B
K-0496		590622.6	7093130		>20	25	w	gb	si / cl	carb qte	B
K-0497		590616.1	7093085		S++	25	w	gb	si / cl	carb qte	B
K-0498		590610.6	7093037		S++	30	moist org	gb	si / cl	qms / carb s	B
K-0499		590609.5	7092983.7	736	S++	35	sk w	yb	si / cl	qte lim micro viens	bull quartz
K-0500		590607.4	7092941.2		S++	20		yb	si / cl	carb s	
K-0501		590608.4	7092895.8		S++	25		g / yb	si / cl	carb qte	
K-0502		590608.3	7092845.5		S++	20		b yb	si / cl	qm s p lim	
K-0503		590600.2	7092798.7	780	S++	20		b yb	si / cl	carb qte lim	
K-0504		590594.2	7092750.6		S++	20		yb	si / cl	carb s	
K-0505		590588.7	7092704.4		S++	20		g yb	si / cl	qv	
K-0506		590584.9	7092608.6		S	20		yb	si / cl		
K-0507		590578.2	7092559.4	792	S	20	sk org	yb	si / cl	qm s	
K-0508		590577.4	7092560		S	20	sk org	yb	si / cl	qv	
K-0509		590571	7092507.7		S	20		yb	si / cl		
K-0510		590562.8	7092456.7		S	20	w	bg	si / cl	carb qte	b, c?
K-0511		590557.3	7092408.7	809	S	20	sk	yb	si / cl	qm s	b, c?
K-0512		590552	7092363.7		S	20	org	y gb	si / cl	carb qte plim	
K-0513		590546	7092319.2		S	20		yb	si / cl	qm s	
K-0514		590549.8	7092268.5		S	no	sample	all	"C"	qte ser / s	C
K-0515		590555.6	7092223.8	835	S	20	sk	rb	si / cl	qte ser / s	B
K-0516		590550.5	7092172.8		S	no	sample	all	"C"	qmp s	C
K-0517		590536.9	7092122.2		S	no	sample	all	"C"	qte ser /s	C
K-0518		590548.6	7092020.3		S	20	sk	yb	si / cl	qte ser /s	B
K-0519		590549.1	7092019.1	855	S++	no	sample			qte ser /s	C
K-0520		590546	7091972.3		S++	no	sample			qte ser /s	C
K-0521		590535	7091925.4		S++	30	org	g yb	si / cl / gv	qte ser /s	B
K-0522		590529.2	7091870.8		S++	30	org	g yb	si / cl	qte m s lim	B
K-0523		590515	7091835.7	892	S++	25	org	yb	si / cl	qte ser /s	B
K-0524		590499.1	7091786.2		S++	no	sample	thin	b profile poor sam	qte well banded	gneissic P, A B C
K-0525		590483.2	7091743.3		S++	25	sk org	rb	si / cl	ox qte m	B
K-0526		590470.7	7091692.7		S++	25	org	yb	si / cl	qte ser foliated, lim patch	perp foliation
K-0527		590461.9	7091644.5	918	S++	no	sample	too	many rocks	qte m s	A
K-0528		590444.8	7091607.6		S++	30		yb	si / cl	qte m s	boulder fields B
K-0529		590422.4	7091562.7		S++	35	org	b yb	si / cl	qte m s	B
K-0530		590411	7091529		S++	20		yb	si / cl	qte m s	lots of rocks B
eol K-0531		590399.1	7091505.8	956	S++	20	org	b yb	si / cl	qte m s exp	folded B

SAMPLE
No
TRAVERSE 13(-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 %	La 2151 ppm
K-0495	2	0.2	1.63	56	<10	270	<0.5	<2	0.22	<0.5	6	25	13	2.24	<10	<1	0.06	30
K-0496	<1	<0.2	1.66	30	<10	360	<0.5	<2	0.27	<0.5	9	30	20	2.42	<10	<1	0.04	20
K-0497	6	<0.2	1.75	36	<10	350	<0.5	<2	0.28	<0.5	9	32	21	2.55	<10	<1	0.04	20
K-0498	3	<0.2	1.69	44	<10	300	<0.5	<2	0.24	<0.5	10	34	21	2.51	<10	<1	0.04	10
K-0499	6	0.2	1.84	62	<10	360	<0.5	<2	0.42	<0.5	13	36	25	2.91	<10	<1	0.05	20
K-0500	4	<0.2	2.14	78	<10	300	0.5	2	0.12	<0.5	12	52	35	3.33	<10	<1	0.04	10
K-0501	4	<0.2	2.13	64	<10	280	0.5	<2	0.15	<0.5	11	62	28	2.96	<10	<1	0.03	10
K-0502	<1	<0.2	1.79	38	<10	310	<0.5	<2	0.19	<0.5	9	46	17	2.42	<10	<1	0.03	10
K-0503	<1	<0.2	1.98	130	<10	360	<0.5	<2	0.2	<0.5	12	92	27	3.08	<10	<1	0.05	10
K-0504	<1	<0.2	1.77	78	<10	290	0.5	<2	0.1	<0.5	12	31	25	3.02	<10	<1	0.04	10
K-0505	2	<0.2	1.39	30	<10	360	<0.5	<2	0.13	<0.5	10	32	21	2.61	<10	<1	0.04	10
K-0506	6	<0.2	1.79	30	<10	280	<0.5	<2	0.09	<0.5	7	30	13	2.77	<10	<1	0.04	10
K-0507	<1	<0.2	1.02	10	<10	430	<0.5	<2	0.06	<0.5	5	16	13	1.65	<10	<1	0.05	30
K-0508	3	<0.2	1.63	26	<10	500	0.5	<2	0.11	<0.5	12	31	28	3.11	<10	<1	0.05	20
K-0509	<1	<0.2	0.86	12	<10	140	<0.5	<2	0.04	<0.5	4	14	12	1.43	<10	<1	0.06	30
K-0510	4	<0.2	1.55	34	<10	360	<0.5	<2	0.15	<0.5	5	37	31	2.41	<10	<1	0.05	30
K-0511	<1	0.4	0.85	16	<10	210	<0.5	<2	0.06	<0.5	3	15	9	1.48	<10	<1	0.06	30
K-0512	<1	<0.2	1.48	40	<10	440	<0.5	<2	0.15	<0.5	7	50	25	2.16	<10	<1	0.05	20
K-0513	3	<0.2	1.39	28	<10	450	<0.5	<2	0.12	<0.5	7	39	25	2.31	<10	<1	0.07	30
K-0514																		
K-0515	<1	<0.2	0.92	12	<10	270	<0.5	<2	0.02	<0.5	3	9	11	1.72	<10	<1	0.07	40
K-0516																		
K-0517																		
K-0518	<1	<0.2	0.95	10	<10	120	<0.5	2	0.05	<0.5	3	14	7	1.55	<10	<1	0.05	10
K-0519																		
K-0520																		
K-0521	4	<0.2	1.01	34	<10	170	<0.5	2	0.05	<0.5	3	14	7	1.58	<10	<1	0.06	20
K-0522	8	<0.2	1.3	46	<10	190	<0.5	<2	0.1	<0.5	4	18	10	2.06	<10	<1	0.05	30
K-0523	17	<0.2	0.84	110	<10	110	<0.5	<2	0.06	<0.5	3	11	6	1.3	<10	<1	0.05	20
K-0524																		
K-0525	29	<0.2	0.81	294	<10	130	<0.5	<2	0.05	<0.5	3	10	5	1.49	<10	<1	0.07	30
K-0526	4	<0.2	0.99	58	<10	190	<0.5	<2	0.08	<0.5	2	10	5	1.1	<10	<1	0.06	30
K-0527																		
K-0528	1	<0.2	1.09	56	<10	140	<0.5	<2	0.09	<0.5	4	15	8	1.67	<10	<1	0.07	30
K-0529	<1	<0.2	0.9	72	<10	150	<0.5	<2	0.05	<0.5	2	8	4	1.39	<10	<1	0.08	10
K-0530	<1	<0.2	1.12	50	<10	150	<0.5	<2	0.06	<0.5	4	11	6	1.54	<10	<1	0.09	20
eol K-0531	<1	<0.2	1.62	14	<10	160	<0.5	<2	0.08	<0.5	5	28	7	3.16	<10	<1	0.04	10

SAMPLE No
TRAVERSE 13(-80)

	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-0495	0.54	215	1	0.01	20	320	16	<0.01	<2	3	17	0.01	<10	<10	35	<10	72
K-0496	0.59	250	1	0.01	24	460	18	<0.01	<2	4	21	0.03	<10	<10	39	<10	68
K-0497	0.65	265	2	0.01	26	540	14	<0.01	<2	3	22	0.03	<10	<10	41	<10	74
K-0498	0.57	310	1	0.01	27	450	14	<0.01	<2	3	18	0.03	<10	<10	42	<10	70
K-0499	0.67	700	1	0.01	33	490	24	<0.01	<2	3	28	0.02	<10	<10	45	<10	90
K-0500	0.61	250	1	<0.01	45	270	12	0.01	<2	3	14	0.03	<10	<10	58	<10	78
K-0501	0.69	185	2	<0.01	47	260	8	<0.01	<2	3	14	0.03	<10	<10	62	<10	84
K-0502	0.54	170	1	0.01	31	230	8	<0.01	<2	3	16	0.03	<10	<10	56	<10	60
K-0503	0.71	315	1	0.01	66	340	8	0.01	<2	4	20	0.02	<10	<10	60	<10	68
K-0504	0.36	295	<1	0.01	32	310	12	<0.01	<2	2	13	0.03	<10	<10	53	<10	66
K-0505	0.38	270	1	<0.01	27	250	8	<0.01	<2	4	15	0.03	<10	<10	42	<10	56
K-0506	0.35	220	<1	<0.01	18	190	12	<0.01	<2	3	11	0.04	<10	<10	54	<10	42
K-0507	0.26	110	<1	<0.01	11	160	20	<0.01	<2	1	9	0.01	10	<10	24	<10	30
K-0508	0.41	330	1	<0.01	28	230	10	<0.01	<2	4	15	0.02	<10	<10	45	<10	66
K-0509	0.23	80	<1	<0.01	9	110	20	0.01	<2	1	8	0.01	10	<10	19	<10	34
K-0510	0.53	95	2	0.01	16	340	18	0.02	<2	4	23	0.03	10	<10	43	<10	46
K-0511	0.22	70	<1	<0.01	8	180	86	0.01	<2	1	9	0.01	<10	<10	21	<10	24
K-0512	0.54	155	<1	0.01	26	340	14	0.01	<2	4	21	0.02	<10	<10	39	<10	50
K-0513	0.5	200	1	0.01	29	250	22	<0.01	<2	4	20	0.03	10	<10	36	<10	68
K-0514																	
K-0515	0.11	55	<1	0.01	5	200	30	0.07	<2	<1	20	<0.01	10	<10	16	<10	66
K-0516																	
K-0517																	
K-0518	0.23	65	<1	<0.01	8	150	24	0.01	<2	1	9	0.03	<10	<10	28	<10	34
K-0519																	
K-0520																	
K-0521	0.22	85	<1	<0.01	7	130	64	0.03	<2	1	14	0.02	<10	<10	26	<10	32
K-0522	0.27	115	<1	<0.01	11	270	42	0.01	<2	1	12	0.02	<10	<10	34	<10	54
K-0523	0.19	80	1	<0.01	6	150	32	<0.01	<2	1	7	0.01	<10	<10	19	<10	34
K-0524																	
K-0525	0.15	90	1	<0.01	5	220	22	0.02	<2	1	11	0.01	<10	<10	21	<10	28
K-0526	0.14	60	<1	<0.01	4	210	24	<0.01	<2	<1	9	0.01	10	<10	20	<10	20
K-0527																	
K-0528	0.31	145	<1	<0.01	9	140	26	<0.01	<2	1	9	0.01	<10	<10	21	<10	40
K-0529	0.18	65	<1	<0.01	4	110	18	<0.01	<2	1	6	0.01	<10	<10	21	<10	26
K-0530	0.23	105	<1	<0.01	7	210	24	<0.01	<2	1	8	0.01	<10	<10	22	<10	32
col K-0531	0.32	150	<1	<0.01	10	290	16	<0.01	<2	2	10	0.06	<10	<10	68	<10	34

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 14											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 07 12 00 By: PL, SJ											
Sample Interval (m): 50											
K-0372	136	586899.6	7095999	590	S++	20	org	b	si cl gv	qte ser	banded very silicified
K-0373	137	586901	7095948.8		S++	20	org	b	si cl	qte ser p	"B" HOR boulders
K-0374	138	586896.5	7095912.8		S++	15	W	b	si cl	qte ser	"B" HOR
K-0375	139	586887	7095864.1		S++	25	W org	yb	si cl	qte m p	"B" HOR q eyes
K-0376	140	586881.5	7095816.7	654	S++	20	org	b gb	si cl	qte m p	"B" & "A"
K-0377	141	586880.4	7095773		S++	30	org	b	si cl	qte m p	"A" HOR
K-0378	142	586872.4	7095718.9		S++	20	org	b gb	si cl	qte ser p	"A" & "B"
K-0379	143	586875.2	7095677.1		S++	25	org	b	si cl gv	qte ser p	"B" HOR
K-0380	144	586876	7095626.9	691	S++	20		yb	si cl	qte ser lim	"B" HOR
K-0381	145	586882.3	7095580.4		S++	15		gb yb	si cl	qte ser	"B" HOR
K-0382	146	586877.7	7095531.3		S++	15		yb	si cl	qte ser	"B" HOR
K-0383	147	586877.1	7095484.6		S++	15		yb	si cl	qte ser c	"B" HOR folded
K-0384	148	586879.4	7095430.3	740	S++	20		yb	si cl	qcp s blue q eyes	"B" HOR
K-0385	149	586870.3	7095390.5		S++	15		yb	si cl	qm s	"B" HOR
K-0386	150	586866.6	7095342		S++	20		yb	si cl	qte ser p blue q eyes lim	"B" HOR
K-0387	151	586861.2	7095292.2		S++	20	org	yb	si cl	q ser s blue q eyes	"B" HOR
K-0388	152	586853.2	7095248.9	781	S++	20	org	yb	si cl	qm s	"B" HOR boulders
K-0389	153	586847.5	7095197.3		S++	20		yb	si cl	qte ser	"B" HOR boulders
K-0390	154	586845.8	7095154.2		S++	15	sk	yb	si cl	qm s	"B" HOR boulders
EOL K-0391	155	586843.7	7095108.7	806	S++	15	org	yb	si cl	qte mc	"B" HOR boulders

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	39	16	-0.1	4.26
0.13	78	26	0.16	2.52
-0.1	27	23	0.16	0.91
-0.1	20	28	-0.1	2.65
0.1	16	27	-0.1	1.51
-0.1	21	29	0.15	17
-0.1	24	31	0.11	1.11
0.19	31	33	-0.1	3.53
-0.1	24	32	-0.1	4.25
0.14	61	120	-0.1	4.18
0.12	21	27	-0.1	1.69
0.19	21	24	-0.1	3.29
0.15	35	26	-0.1	2.09
0.11	27	24	-0.1	3.57
-0.1	65	42	-0.1	6.25
0.15	31	59	-0.1	4.1
-0.1	25	40	-0.1	7.58
0.15	26	39	-0.1	5.13
-0.1	46	37	-0.1	8.96
-0.1	50	29	-0.1	1.62
-0.1	39	16	-0.1	4.26
0.12	77	23	-0.1	4.76
-0.1	24	32	-0.1	4.25
-0.1	19	47	-0.1	2.92
-0.1	46	37	-0.1	8.96
0.2	19	44	-0.1	14.7
-0.1	39	16	-0.1	4.26
-0.1	45	16	-0.1	3.98
0.15	35	26	-0.1	2.09
-0.1	20	23	0.13	1.66

K-0372
K-0392 duplicate K-0372

K-0380
K-0393 duplicate K-0380

K-0390
K-0394 duplicate K-0390

K-0372
DUP-K-372

K-384
DUP-K-384

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

TRAVERSE 15 GRAND FORKS 1:50,000 115-0/14

Sampled: 14-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0395	185395	586292.9	7095138.9	722	S++	15	org	b	si cl	no rocks	"A" HOR	0.1	11	78	0.2	8.21
K-0396	186	586348.9	7095145.8		S++	15	org	b	si cl		"A" HOR	0.14	8	70	0.18	3.89
K-0397	187	586399.3	7095149		S++	15	org	b	si cl		"A" HOR	0.14	9	51	0.14	4.58
K-0398	188	586446.1	7095155.1		S++	15	org	gb	si cl		"A" HOR	0.19	29	93	0.12	1.9
K-0399	189	586496	7095147.5	749	S++	15	org	b	si cl		"A" HOR	0.23	50	162	0.15	1.12
K-0400	190	586541.4	7095151.1		S++	15	org	b	si cl		"A" HOR	0.24	83	330	0.14	4.04
K-0401	191	586586.8	7095151.2		S++	15	org	yb	si cl		"B" HOR	0.18	9	306	0.15	13.3
K-0402	192	586635.1	7095153.1		S++	15	org	rb yb	si cl		"B" HOR	0.13	7	140	-0.1	10.9
K-0403	193	586680.3	7095145.4	790	S+	30	org	yb	cl		"B" HOR	0.12	15	23	-0.1	2.68
K-0404	194	586731.9	7095151		S	30	org	yb	cl		"B" HOR	0.15	27	83	0.1	8.09
K-0405	195	586782.6	7095151.3		S	20	org	yb	si cl	; ser p lim	"B" HOR	0.25	56	32	-0.1	4.32
K-0406	196	586831.5	7095149.6		S++	25	PF org	ob	si cl	q m s c	"B" HOR	0.19	58	28	0.12	3.91
K-0407	197	586882.8	7095147.5	786	S++	15		yb	gr si cl	qte m c	"B" HOR	0.1	38	22	-0.1	2.38
K-0408	198	586927.5	7095148.1		S++	15		yb	gr si cl	qte m tr c	"B" HOR	0.11	13	18	-0.1	2.34
K-0409	199	586976.8	7095151.3		S++	20	org	yb	gv si cl	q m s tr c	"B" HOR	0.27	35	30	0.12	4.44
K-0410	200	587028.2	7095153.9		S++	20	org	yb	si cl	q m s c p	"B" HOR	0.11	25	18	-0.1	4.23
K-0411	201	587075.2	7095155.8	768	S++	20	org	yb	gv si cl	q m s c p	"B" HOR	0.17	24	22	-0.1	6.11
K-0412	202	587125.7	7095154.8		S++	30	W	yb	gv si cl	q m c s p	"B" HOR	0.17	33	86	-0.1	7.79
K-0413	203	587168.6	7095150.1		S++	25		yb	si cl	q m s	"B" HOR	0.18	17	23	-0.1	3.67
K-0414	204	587216.8	7095147.8		S++	15	W	yb	si cl		"B" HOR	0.19	58	38	-0.1	1.76
K-0415	205	587268.8	7095147.5	739	S++	20		yb	si cl	q m s ox	"B" HOR	0.1	19	25	-0.1	2.15
K-0416	206	587321.6	7095147.8		S++	25	org	yb	gv si cl	q m s ox	"B" HOR	0.18	22	53	-0.1	6.34
K-0417	207	587367.9	7095146.7		S++	20	org	yb	si cl	q m s ox	"A", "B" HOR	0.12	12	18	-0.1	4.95
K-0418	208	587412.3	7095147.9		S++	25	org	b yb	si cl	q m s p	"A" HOR	0.16	30	34	-0.1	3.93
K-0419	209	587465.9	7095148.2	702	>20	20	org	b yb	si cl	q m s	"A" HOR	-0.1	14	21	-0.1	2.08
K-0420	210	587514.6	7095145.4		>20	20	org	b	cl		"B" HOR	0.11	15	19	-0.1	1.6
EOL K-0421	211421	587562.1	7095157.5	687	30	25	W org	yb	gv si cl	s c (c on of q bands)		-0.1	15	20	-0.1	3.59
K-0401												0.18	9	306	0.15	13.3
K-0422		duplicate	K-0401									0.29	11	402	-0.1	20
K-0411												0.17	24	22	-0.1	6.11
K-0423		duplicate	K-0411									0.1	21	27	-0.1	6.21
K-0421												-0.1	15	20	-0.1	3.59
K-0424		duplicate	K-0421									0.26	140	351	0.11	7.6
K-396												0.14	8	70	0.18	3.89
DUP-K-396												-0.1	10	55	0.1	3.27
K-408												0.11	13	18	-0.1	2.34
DUP-K-408												-0.1	15	16	-0.1	2.01
K-420												0.11	15	19	-0.1	1.6
DUP-K-420												0.1	16	19	-0.1	1.44

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

TRAVERSE 16 GRAND FORKS 1:50,000 115-0/14

Sampled: 18-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0425	1425	585998.9	7095498.6	649	S++	15	org	yb	si / cl			-0.1	23	39	-0.1	5.5
K-0426	1	585967.8	7095531.2		S+	20	org	yb	si / cl	qte m p		0.22	9	544	-0.1	12.4
K-0427	2	585939.4	7095571.1		S+	20	org	yb	si / cl			0.23	127	131	-0.1	3.06
K-0428	3	585906.9	7095606.1		S+	15	org	yb	si / cl			-0.1	15	33	-0.1	5.09
K-0429	4	585877.7	7095645.3	689	S+	15	org	yb	si / cl	ox q		-0.1	24	27	-0.1	1.33
K-0430	5	585849.2	7095677.4		S+	15	org	yb	si / cl	ox qte m p, blue q eyes		0.2	32	28	-0.1	4.59
K-0431	6	585819.9	7095722.1		S+	15	org	yb	si / cl	qm s ox		0.11	28	29	-0.1	2.7
K-0432	7	585793	7095763.2		S+	15	org	yb	si / cl	qte m p ox	very dry	-0.1	22	24	-0.1	2.54
K-0433	8	585757.9	7095788.6	710	S+	20	org	yb / b	si / cl / gr	qte sm p ox	quartz eyes	-0.1	20	39	-0.1	10.6
K-0434	9	585726.7	7095834.9		S+	15		yb	si / cl / gr	qte ser p ox, blue q eyes		-0.1	7	29	-0.1	9.68
K-0435	10	585699.7	7095868.9		S+	20		yb	si / cl / gr	qte s m p ox		-0.1	5	34	-0.1	7.13
K-0436	11	585662	7095904.9		S+	20	org	yb	si / cl	qte s m p ox		-0.1	4	31	-0.1	8.63
K-0437	12	585638.4	7095941.4	735	S+	15		b / yb	si / cl	qte s m p ox		-0.1	5	30	-0.1	9.94
K-0438	13	585608.2	7095980		S+	15		b / yb	si / cl	qte s m p ox		-0.1	14	22	-0.1	9.27
K-0439	14	585577.8	7096022.2		S+	15		yb	si / cl	qte s m p ox		-0.1	17	47	-0.1	12.3
K-0440	15	585546.8	7096060.3		S+	15	org	yb	si / cl / gr	qte s m p ox, carb q/s		0.14	11	19	-0.1	4.96
K-0441	16	585521.2	7096103.2	765	S+	15	org	yb	si / cl	qm s ox p, carb		-0.1	15	35	-0.1	2.92
K-0442	17	585487.3	7096141.8		S++	15	w	yb	si / cl	qm s ox p, carb		-0.1	13	19	0.12	6.93
K-0443	18	585458.2	7096179.8		S++	15		yb	si / cl	qm s ox p, carb		-0.1	17	25	0.18	5.45
K-0444	19	585429.3	7096218.5		S++	15		yb	si / cl	qm s ox p, carb		-0.1	32	36	-0.1	4.82
K-0445	20	585402.5	7096256.6	791	S+	15		yb	si / cl			-0.1	18	28	0.11	5.38
K-0446	21	585375.1	7096297.2		S+	15	org	yb	si / cl	qmp s, blue q eyes	dry	-0.1	4	23	-0.1	7.11
K-0447	22	585354.3	7096337.9		S++	15	org	yb	si / cl	qm s ox p, very siliceous	blue q eyes, blocky	-0.1	23	23	-0.1	7.23
K-0448	23	585324	7096381.3		S++	15	org	yb	si / cl	qm s ox, blue q eyes	strong red	-0.1	10	17	-0.1	7.89
K-0449	24	585303.1	7096416	822	S++	15	org	yb	si / cl	qm s blue q eyes ox		-0.1	11	19	0.13	21
K-0450	25	585279.1	7096455.4		S++	15	moist org	yb	si / cl	qm s blue q eyes ox		-0.1	17	28	-0.1	5.67
K-0451	26	585245.3	7096500.5		S+	15	org	yb	si / cl	qm s blue q eyes ox		-0.1	8	15	0.14	2.88
K-0452	27	585217	7096539.2		S++	15		yb	si / cl	qm s blue q eyes ox		-0.1	11	14	0.17	4.49
K-0453	28	585181.3	7096574.7	850	S++	15	sk org	yb	si / cl	qm s blue q eyes ox		-0.1	6	16	-0.1	5.45
K-0454	29	585148.3	7096610.3		S++	15		yb	si / cl	qm s blue q eyes ox		-0.1	6	16	-0.1	4.06
K-0455	30	585122	7096650.3		S++	15		yb	si / cl	qm s blue q eyes ox		-0.1	11	48	0.12	8.38
K-0456	31456	585102.7	7096694	844	S++	15		yb	si / cl	qm s blue q eyes ox		-0.1	11	48	0.12	8.38

K-0430												0.2	32	28	-0.1	4.59
K-0457	check	K-0430										-0.1	17	24	-0.1	3.46

K-0440												0.14	11	19	-0.1	4.96
K-0458	check	K-0440										-0.1	14	18	-0.1	3.03

K-0450												-0.1	17	28	-0.1	5.67
K-0459	check	K-0450										0.11	23	29	-0.1	6.87

K-432												-0.1	22	24	-0.1	2.54
DUP-K-432												-0.1	17	19	-0.1	2.24

K-444												-0.1	32	36	-0.1	4.82
DUP-K-444												-0.1	28	32	-0.1	4.79

K-456												-0.1	11	48	0.12	8.38
DUP-K-456												-0.1	15	58	-0.1	8.42

Soil was extremely dry, often powdery and rarely hard to go below 15 cm
Rocks are yellow orange limonitic qms /qtzite - Hematitic in 1 place. Almost always have blue / white milky quartz eyes.
One locality also had minor carbonaceous schist/qte
Vegetation mostly poplar & spruce. Very few rocky areas, no boulder fields.

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

TRAVERSE 17 GRAND FORKS 1:50,000 115-0/14

Sampled: 20-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0460	31460	586252.7	7093397.4	1038	R	15	org	yb	si / cl	qmsp blue q eyes		-0.1	12	12	-0.1	1.17
K-0461	31	586251.3	7093449.4		R	20		yb	si / cl	qm qte		0.37	30	42	-0.1	8.32
K-0462	32	586245.3	7093501.9		S+	20	org	yb	si / cl / gr	qmsp blue q eyes		0.13	12	18	-0.1	3.43
K-0463	33	586243.5	7093549.7		S++	20	sk org	yb	si / cl	q ser s	stained pink hem?	-0.1	7	15	-0.1	2.7
K-0464	34	586243	7093595.7	1009	S++	25	sk org	yb	si / cl	q m s c plim		-0.1	15	28	-0.1	5.5
K-0465	35	586241.4	7093644.7		S++	25	org	b	si / cl	qmcs lim patches BXA?		0.27	28	38	0.11	4.71
K-0466	36	586237.2	7093691.8		S++	20	org	yb	si / cl	ox qms		0.3	123	140	-0.1	3.98
K-0467	37	586234.3	7093739		S++	15	org	yb	si / cl	ox qms	blue q eyes	0.2	98	79	0.14	4.74
K-0468	38	586236.4	7093786.9	964	S++	25	org	yb	si / cl	qmsp		0.27	63	79	0.13	4.71
K-0469	39	586237.8	7093832.4		S++	20	org	b	si / cl	no rocks		0.16	25	99	0.1	3.06
K-0470	40	586233.1	7093878.9		S++	25	org	yb	si / cl	q m s		0.13	31	163	-0.1	2.3
K-0471	41	586234.7	7093923.8		S++	30	w org	yb	si / cl	q m s ox		0.14	66	189	0.1	3.61
K-0472	42	586230.8	7093969.8	909	S++	25	w org	b /yb	si / cl	q m s ox		0.16	116	106	0.12	3.36
K-0473	43	586228.5	7094016.3		S++	30	org	b /yb	si / cl	no rocks		0.12	23	82	-0.1	3.78
K-0474	44	586227.2	7094063.6		S++	45	w org	yb	si / cl	no rocks		-0.1	34	43	0.12	1.24
K-0475	45	586225.7	7094108.4		S++	25	w org	b /yb	si / cl	no rocks		-0.1	22	39	-0.1	1.41
K-0476	46	586220.5	7094152.5	855	S++	30	F org	yb	si / cl	no rocks		-0.1	23	41	-0.1	1.77
K-0477	47	586221.3	7094199.7		S++	60	F org	yb	si / cl	no rocks	80% org poor sam	-0.1	17	32	-0.1	0.81
K-0478	48	586221.4	7094245.2		S++	30	w org	b	si / cl	small qms chips	A	-0.1	19	33	0.12	0.85
K-0479	49	586219.5	7094293.6		S++	30	w org	yb	si / cl		A B fine grain C?	-0.1	28	55	-0.1	1.49
K-0480	50	586210.5	7094344.8	803	S++	30	org	b /yb	si / cl	qte ser	poor sam	0.14	38	81	-0.1	2.47
K-0481	51	586216.6	7094390.4		S++	20	org	b	si / cl		A	-0.1	35	88	-0.1	1.92
K-0482	52	586219.3	7094446.1		S++	25	w org	b	si / cl		A	0.13	53	136	0.12	2.67
K-0483	53	586217.5	7094498.7		S++	35	org	b /yb	si / cl		AB	-0.1	40	75	-0.1	1.69
K-0484	54	586210.9	7094549.3	754	S++	25	org	yb	si / cl		B	0.1	76	213	-0.1	3.3
K-0485	55	586202	7094594.5		>28	45	org	b /yb	si / cl		A bit of B	-0.1	41	52	-0.1	1.22
K-0486	56	586200.2	7094641.7		>20	40	org	b / biege	si / cl / gv		A C	-0.1	34	64	-0.1	2.12
K-0487	57	586199.7	7094696.1		>20	40	org	b /yb	si / cl	fine gravel seams qms ?	MOSS A B C	0.11	29	79	-0.1	1.46
K-0488	58	586201.2	7094748.2	689	>20	35	sk	b /yb	si / cl		C B	0.24	61	56	0.12	7.45
K-0489	59	586195.6	7094797.7		S++	15	sk org	yb	s / cl / si		B C	0.21	30	207	-0.1	5.23
K-0490	60490	586194.5	7094838.3	673	S++	25	org	yb	si / cl		B	0.22	461	899	0.11	15.8

K-0460												-0.1	12	12	-0.1	1.17
K-0491	check	K-0460										-0.1	37	21	-0.1	2.42

K-0470												0.13	31	163	-0.1	2.3
K-0492	check	K-0470										0.29	25	153	-0.1	2.69

K-0480												0.14	38	81	-0.1	2.47
K-0493	check	K-0480										0.2	30	52	-0.1	1.98

K-0490												0.22	461	899	0.11	15.8
K-0494	check	K-0490										0.27	274	1940	0.13	20.3

K-467												0.2	98	79	0.14	4.74
DUP-K-467												0.35	92	93	0.23	4.17

K-479												-0.1	28	55	-0.1	1.49
DUP-K-479												0.17	32	60	0.13	1.35

K-491												-0.1	37	21	-0.1	2.42
DUP-K-491												0.16	32	24	-0.1	2.15

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 17(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: July 20:00					By: pl sj				
		Sample Interval (m): 50									
K-0460		586252.7	7093397.4	1038	R	25		yb	si / cl	qmp s blue q eyes	
K-0461		586245.3	7093501.9		R	25		gb	si / cl	qm qte	hem? Epidote?
K-0462		586243.5	7093549.7		S+	25	org	yb	si / cl / gr	qmp s blue q eyes	
K-0463					S++	25	sk org	yb	si / cl	q ser s	stained pink hem?
K-0464		586243	7093595.7	1009	S++	25	sk org	yb	si / cl	qm s c p lim	
K-0465		586241.4	7093644.7		S++	30	org	yb	si / cl	qmc s lim patches BXA?	
K-0466		586237.2	7093691.8		S++	25	org	yb	si / cl	ox qm s	
K-0467		586234.3	7093739		S++	25		yb	si / cl	ox qm s	blue q eyes
K-0468		586236.4	7093786.9	964	S++	30	org	yb	si / cl	qmp s	
K-0469		586237.8	7093832.4		S++	25	org	b	si / cl	no rocks	
K-0470		586233.1	7093878.9		S++	35	org	yb	si / cl	qm s	
K-0471		586234.7	7093923.8		S++	30	w org	yb	si / cl	qm s ox	
K-0472		586230.8	7093969.8	909	S++	30	W	yb	si / cl	qms ox	
K-0473		586228.5	7094016.3		S++	40		yb	si / cl	no rocks	
K-0474		586227.2	7094063.6		S++	45	w org	yb	si / cl	no rocks	
K-0475		586225.7	7094108.4		S++	40	w org	b /yb	si / cl	no rocks	
K-0476		586220.5	7094152.5	855	S++	30	F org	yb	si / cl	no rocks	
K-0477		586221.3	7094199.7		S++	no	sample	poor	area	no rocks	80% org poor samp
K-0478		586221.4	7094245.2		S++	40	w org	b /yb	si / cl	small qm s chips	A
K-0479		586219.5	7094293.6		S++	35	w org	yb	si / cl		A B fine grain C?
K-0480		586210.5	7094344.8	803	S++	50	org	b /yb	si / cl	qte ser	poor samp
K-0481		586216.6	7094390.4		S++	35	w	b /yb	si / cl		A
K-0482		586219.3	7094446.1		S++	40	PF	b /yb	si / cl		A
K-0483		586217.5	7094498.7		S++	50	PF	b /yb	si / cl		AB
K-0484		586210.9	7094549.3	754	S++	35	org	yb	si / cl		B
K-0485		586202	7094594.5		>28	no	sample	frozen			A bit of B
K-0486		586200.2	7094641.7		>20	no	sample	no	B*		A C
K-0487		586199.7	7094696.1		>20	45	org	b /yb	si / cl	fine gravel seams qm s ?	MOSS A B C
K-0488		586201.2	7094748.2	689	>20	45	sk	b /yb	si / cl		C B
K-0489		586195.6	7094797.7		S++	20	sk	yb	s / cl / si		B C
K-0490		586194.5	7094838.3	673	S++	25	org	yb	si / cl		B

Peter's Comments:

Near the bottom of hill moss is very thick and ground often frozen.

At several locations gravel seams of limonitic < 1mm were found in "B" horizon. Possibly "C" at these locations the soil profile seems thin with A B C probably represented in the sample. Very little boulder outcropping. samples were dry to moist at crest up hill and wet to frozen at bottom.

SAMPLE No
TRAVERSE 17(-80)

	3993 Au ppb	2118 Ag ppm	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 %
K-0460	<1	<0.2	1.74	10	<10	250	<0.5	<2	0.1	<0.5	9	21	14	2.11	<10	<1	0.04
K-0461	9	<0.2	1.14	6	<10	370	<0.5	<2	0.15	<0.5	4	17	14	1.33	<10	<1	0.03
K-0462	2	<0.2	1.48	6	<10	260	<0.5	<2	0.15	<0.5	6	20	14	1.67	<10	<1	0.04
K-0463	<1	<0.2	0.99	6	<10	150	<0.5	<2	0.07	<0.5	2	12	7	1.08	<10	<1	0.04
K-0464	3	<0.2	1.27	10	<10	230	<0.5	<2	0.19	<0.5	6	21	17	1.83	<10	<1	0.05
K-0465	4	<0.2	1.63	8	<10	380	<0.5	<2	0.22	<0.5	7	23	19	2.02	<10	<1	0.05
K-0466	2	<0.2	1.46	6	<10	380	<0.5	<2	0.26	<0.5	8	22	17	1.89	<10	<1	0.05
K-0467	1	<0.2	1.53	8	<10	310	<0.5	<2	0.2	<0.5	6	22	14	1.96	<10	<1	0.05
K-0468	16	<0.2	1.69	6	<10	420	<0.5	<2	0.19	<0.5	6	24	21	1.95	<10	<1	0.05
K-0469	<1	<0.2	1.29	4	<10	290	<0.5	<2	0.22	<0.5	5	18	11	1.53	<10	<1	0.03
K-0470	1	<0.2	1.52	6	<10	260	<0.5	<2	0.29	<0.5	5	21	10	1.83	<10	<1	0.04
K-0471	1	<0.2	1.47	4	<10	250	<0.5	<2	0.23	<0.5	6	21	11	1.83	<10	<1	0.04
K-0472	1	<0.2	1.61	6	<10	280	<0.5	<2	0.23	<0.5	7	23	14	2.1	<10	<1	0.04
K-0473	1	<0.2	1.3	8	<10	240	<0.5	<2	0.24	<0.5	5	19	8	1.63	<10	<1	0.04
K-0474	<1	<0.2	1.02	6	<10	170	<0.5	<2	0.14	<0.5	3	14	6	1.23	<10	<1	0.03
K-0475	<1	<0.2	1.22	6	<10	170	<0.5	<2	0.15	<0.5	4	17	7	1.48	<10	<1	0.04
K-0476	<1	<0.2	0.99	4	<10	150	<0.5	<2	0.13	<0.5	3	14	6	1.17	<10	<1	0.03
K-0477																	
K-0478	16	<0.2	1.08	12	<10	150	<0.5	<2	0.13	<0.5	4	17	7	1.7	<10	<1	0.03
K-0479	9	<0.2	1.1	12	<10	180	<0.5	2	0.15	<0.5	4	17	6	1.45	<10	<1	0.03
K-0480	22	<0.2	1.07	18	<10	140	<0.5	<2	0.14	<0.5	4	17	6	1.63	<10	<1	0.03
K-0481	2	<0.2	1.23	12	<10	180	<0.5	<2	0.15	<0.5	5	19	8	1.73	<10	<1	0.03
K-0482	1	<0.2	1.14	12	<10	190	<0.5	<2	0.17	<0.5	4	18	7	1.59	<10	<1	0.03
K-0483	9	<0.2	1.14	16	<10	190	<0.5	<2	0.15	<0.5	5	18	8	1.68	<10	<1	0.04
K-0484	4	<0.2	1.09	14	<10	240	<0.5	<2	0.22	<0.5	5	16	8	1.64	<10	<1	0.03
K-0485																	
K-0486																	
K-0487	<1	<0.2	1.03	36	<10	140	<0.5	<2	0.14	<0.5	4	15	7	1.66	<10	<1	0.04
K-0488	5	<0.2	0.63	158	<10	100	<0.5	<2	0.07	<0.5	3	6	9	1.11	<10	<1	0.08
K-0489	4	<0.2	0.98	202	<10	140	<0.5	<2	0.17	<0.5	5	10	11	1.69	<10	<1	0.17
K-0490	2	<0.2	1.16	16	<10	280	<0.5	<2	0.43	<0.5	9	25	25	2.43	<10	<1	0.06

SAMPLE
No
TRAVERSE 17(-80)

	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 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
K-0460	10	0.71	230	1	<0.01	16	200	10	<0.01	<2	3	10	0.03	<10	<10	31	<10	54
K-0461	40	0.43	100	<1	<0.01	10	250	20	<0.01	<2	2	14	0.03	10	<10	24	<10	34
K-0462	20	0.51	135	1	<0.01	13	320	14	<0.01	<2	2	14	0.03	<10	<10	29	<10	42
K-0463	30	0.34	65	1	<0.01	7	200	16	<0.01	<2	1	10	0.01	<10	<10	20	<10	30
K-0464	20	0.51	210	1	<0.01	16	430	12	<0.01	<2	3	16	0.05	<10	<10	32	<10	56
K-0465	30	0.54	195	1	0.01	17	410	16	0.01	2	4	20	0.04	<10	<10	35	<10	60
K-0466	20	0.51	235	1	<0.01	16	420	12	<0.01	<2	3	22	0.04	<10	<10	35	<10	56
K-0467	10	0.47	165	2	<0.01	15	460	16	<0.01	2	3	17	0.04	<10	<10	36	<10	54
K-0468	10	0.43	140	1	0.02	17	540	16	0.03	<2	2	21	0.03	<10	<10	35	<10	52
K-0469	10	0.39	85	1	<0.01	13	470	12	0.01	<2	1	21	0.03	<10	<10	30	<10	40
K-0470	10	0.51	95	1	<0.01	14	430	14	0.01	<2	1	28	0.03	<10	<10	34	<10	52
K-0471	10	0.47	105	1	<0.01	14	510	14	0.01	<2	2	21	0.03	<10	<10	33	<10	50
K-0472	10	0.51	125	1	<0.01	16	490	14	0.01	<2	3	19	0.03	<10	<10	38	<10	56
K-0473	10	0.44	95	<1	<0.01	13	460	14	0.01	<2	1	19	0.03	<10	<10	30	<10	48
K-0474	10	0.34	70	1	<0.01	9	320	8	0.02	<2	<1	14	0.01	<10	<10	21	<10	34
K-0475	10	0.37	75	1	<0.01	10	430	12	0.03	<2	1	15	0.02	<10	<10	25	<10	42
K-0476	10	0.31	60	<1	<0.01	9	410	8	0.03	<2	1	12	0.02	<10	<10	18	<10	34
K-0477																		
K-0478	10	0.33	75	<1	0.01	9	460	12	0.02	<2	1	13	0.03	<10	<10	33	<10	36
K-0479	10	0.35	75	<1	0.01	10	420	10	0.01	<2	1	14	0.03	<10	<10	27	<10	40
K-0480	10	0.35	75	<1	0.01	9	450	12	0.01	<2	1	12	0.03	<10	<10	30	<10	40
K-0481	10	0.38	80	1	0.01	12	450	10	0.01	<2	1	13	0.02	<10	<10	31	<10	44
K-0482	10	0.37	80	<1	0.01	11	450	8	0.01	<2	1	15	0.02	<10	<10	27	<10	42
K-0483	10	0.37	80	<1	0.01	11	470	14	0.02	<2	1	13	0.03	<10	<10	27	<10	46
K-0484	10	0.38	80	<1	0.01	10	490	10	0.02	<2	1	20	0.02	<10	<10	28	<10	44
K-0485												12	0.03	<10	<10	28	<10	42
K-0486												8	<0.01	10	<10	7	<10	36
K-0487	10	0.37	75	<1	0.01	9	440	12	0.01	<2	1	19	0.03	10	<10	15	<10	58
K-0488	40	0.2	120	1	<0.01	5	280	14	<0.01	<2	1	27	0.06	<10	<10	38	<10	68
K-0489	40	0.54	170	1	0.01	9	380	18	<0.01	<2	3							
K-0490	10	0.48	315	<1	0.02	23	780	8	<0.01	<2	4							

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 18		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 22, 25 aug 9				By: pl sj					
		Sample Interval (m): 50									
K-0536	96536	584645	7095211	890	S++	20	org	g yb	si cl	qte ser s lim patches	
K-0537	96	584612	7095249		S++	20	org	b yb	si cl	qte ser m	
K-0538	97	584586	7095291		S++	20	org	yb	cl si	qte ser	
K-0539	98	584559	7095335		S++	20	org	yb	cl si	qte ser bands of hem	
K-0540	99	584531	7095371	942	S++	15	org	b rb	si cl	qte ser	
K-0541	100	584506	7095405		S++	20		yb	si cl	qte ser	
K-0542	101	584476	7095441		S+	15	org	yb	gr si cl	qte ser	
K-0543	102	584443	7095478		S++	20		rb	si cl	qte ser ox p	
K-0544	103	584414	7095507	993	S++	15	org	rb	si cl	qte ser ox p	
K-0545	104	584386	7095545		S++	20	org	b rb	si cl	qte ser p lim	
K-0546	105	584359	7095580		S++	20	org	b yb	si cl	qte ser	
K-0547	106	584316	7095624		S++	15	sk org	rb	gr si cl	qte ser p lim	boulder field
K-0548	107	584298	7095659	1043	S++	15	org	b yb	si cl	qte ser p lim	
K-0549	108	584272	7095693		R	15	org	yb	si cl	qte ser p lim	
K-0550	109	584237	7095729		S+	20	org	b ob	si cl	qte ser pl crenulated	big boulders
K-0551	110	584215	7095765		S+	15	sk	rb	si cl	qte ser p	
K-0552	145	584178	7095810	1064	R	15		rb	si cl	qte ser p	
**K-0590	146	584127	7095858		R	20	org	b rb	si cl	qte / s	
K-0591	147	584078	7095868		R	15	org	gb yb	si cl	qte / lim laths cross cut	foliation
K-0592	148	584033	7095892		R	15	org	gb yb	si cl	qte / lim laths cross cut	hem stains par to fol
K-0593	149	583986	7095913	1052	R	20	org	g yb	si cl	qte minor m/s	
K-0594	150	583938	7095941		R	15	org	g yb	si cl	qte minor m/s lim p	
K-0595	151	583886	7095966		R	15	W	rb	si cl	qte minor m/s lim p	hem staining
K-0596	152	583829	7095983		S	15	org	b yb	si cl	qte minor m/s lim p	hem stain par to fol
K-0597	153	583774	7095970	1037	S	15	sk	rb	gv si cl	qte / s strong perv	hem staing
K-0598	154	583725	7095948		S	20		g rb	gr si cl	true qte c/ amphibole phenocrysts	not foliated
K-0599	155	583727	7096000		S	20	org	rb yb	gr si cl	true qte c/amphibol phenos	100m @ 90- not fol
K-0600	156	583818	7096034		S	20		yb	si cl	qte foliated lim par to fol	
K-0601	157	583813	7096090	1033	S	20		rb	si cl	qte foliated hem par to	fol m/s
K-0602	158	583821	7096143		S	15	org	black	si cl	q f por minor ser p bullq	
K-0603	159	583815	7096189		S	20		rb	si cl	q f por minor ser p bullq	
K-0604	160	583811	7096236	1010	S	20		yb	si cl	qte ser/s hem	
K-0605	161	583806	7096287		S	20		yb	si cl	qte ser/s hem...	lim parr to fol
K-0606	162	583805	7096340		S	20	org	yb	si cl	qms	
K-0607	163	583801	7096384		S	20	W org	yb	si cl	qms	
K-0608	164	583790	7096436	998	S	25		g rb	si cl	qte ser/s hem specks	
**K-0751	290	583771	7096483		R	15	org	yb	si cl	qte ser/s hem specks	
K-0752	291	583765	7096538		R	20	org	yb	gr si cl	qms	
K-0753	292	583765	7096581		R	20	org	yb	gr si cl	qte ser/s lim specks	
K-0754	293	583769	7096641	976	R	20	org	b yb	si cl	qte qfp ser lim	
K-0755	294	583781	7096690		R	30	org	yb	gv si cl	qte ser/s lim blue q eyes	
K-0756	295	583776	7096735		R	25		yb	gv si cl	qte ser/s	
K-0757	296	583775	7096790		R	20		rb yb	si cl	qte ser/s	
K-0758	297	583776	7096841	976	R	15		rb	si cl	qte ser/s lim subhedral	felspars
K-0759	298	583768	7096889		R	20	org	yb	si cl	qte ser / subhedral f	bandid blue q eyes
K-0760	299	583750	7096939		R	15	org	g yb	gr si cl	qte ser/s fgb?	
K-0761	300	583739	7096991		R	15		b yb	si cl	ser s intrusive? 3% lath like. qte ser/s lim perp foliation	2 different rocks
K-0762	301	583720	7097034		S	15		b yb	si cl	qte ser/s blue q eyes	
K-0763	302	583686	7097076	966	S	15		yb	si cl	qte ser/s blue q eyes	
K-0764	303	583656	7097116		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes
K-0765	304	583625	7097155		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes
K-0766	305	583597	7097199		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	7097278		S++	30	sk org	yb	si cl	qte ser/s blue q eyes	weakly lim qv BA ?

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	31	40	-0.1	8.08
0.24	12	51	-0.1	8.97
-0.1	17	35	0.11	9.82
-0.1	15	34	0.13	7.89
-0.1	22	38	-0.1	13.3
-0.1	19	34	0.15	9
-0.1	3	33	-0.1	14.4
-0.1	12	36	-0.1	17.9
-0.1	9	46	-0.1	19.4
-0.1	10	40	-0.1	7.19
-0.1	5	19	-0.1	13.4
-0.1	10	15	-0.1	2.3
-0.1	7	20	-0.1	2.4
-0.1	6	25	-0.1	11
-0.1	13	35	-0.1	6.56
-0.1	5	30	-0.1	17.3
-0.1	7	20	-0.1	3.54
0.1	7	11	-0.1	0.82
-0.1	6	11	-0.1	0.98
-0.1	8	14	-0.1	0.31
-0.1	8	13	-0.1	0.61
-0.1	22	28	-0.1	2.64
-0.1	80	19	-0.1	11.3
-0.1	8	12	-0.1	2.27
0.14	11	13	-0.1	16.6
-0.1	9	22	-0.1	9.35
-0.1	12	17	-0.1	0.5
-0.1	13	19	-0.1	2.55
-0.1	9	25	-0.1	1.9
-0.1	6	23	-0.1	0.48
-0.1	16	16	-0.1	2.8
-0.1	20	52	-0.1	5.88
1.26	23	27	0.18	2.41
0.49	11	18	0.12	1.7
0.53	18	78	0.2	5.26
0.22	10	18	0.11	0.73
-0.1	12	16	-0.1	4.38
-0.1	16	29	-0.1	3.11
-0.1	12	23	-0.1	5.84
-0.1	11	23	-0.1	3.79
-0.1	22	23	-0.1	5.28
-0.1	15	34	0.12	7.5
-0.1	10	27	0.11	3.61
-0.1	2	22	-0.1	15.5
-0.1	15	30	-0.1	2.35
-0.1	13	26	-0.1	3.37
-0.1	8	18	-0.1	6.69
-0.1	6	18	-0.1	3.75
-0.1	8	15	-0.1	1.62
-0.1	7	20	-0.1	4.55
-0.1	17	20	-0.1	0.72
-0.1	5	15	-0.1	0.81
-0.1	3	16	-0.1	1.03
-0.1	7	27	-0.1	3.59

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 18											
GRAND FORKS 1:50,000 115-0/14											
K-0769	308	583504	7097314		S++	35	org dry	yb	si cl	qte ser /s blue q eyes	weakly lim
K-0770	309	583474	7097355		S++	30		yb	si cl	qte ser /s lim no	boulder field anymore
K-0771	310	583442	7097397	894	S++	25	sk	yb	si cl	qte /ser /s	boulder field
K-0772	311	583413	7097435		S++	35		yb	subhedral feldspars	, rhyolitic crystal tuff	
									si cl	qte /ser /s	
K-0773	312	583383	7097476		S++	25		yb	subhedral feldspars	, rhyolitic crystal tuff	heavy moss
									si cl	qte ser / s	
K-0774	313	583360	7097522		S++	70		gb yb	si cl	qte m ser / s blue q eyes	
K-0775	314	583337	7097560	874	S++	15		yb	si cl	qte m ser / s blue q eyes	
K-0776	315	583304	7097601		S++	15		yb	si cl	qte m ser / s blue q eyes	
K-0777	316	583268	7097631		S++	15		yb	si cl	qte m ser / s blue q eyes	
K-0778	317	583230	7097661		S++	15	org	yb	si cl	qte m ser / s blue q eyes	
K-0779	318	583188	7097693	839	S++	30		yb	si cl	no rock	
K-0780	319	583144	7097712		S++	35		yb	gr si cl	qte ser /s m qv	
K-0781	781	582565	7098048		S+	15		ob gb	si cl	qte ser / s weakly	from end of line...
K-0782	782	582611	7098022		S+	20		yb	si cl	qte ser / s weakly	
K-0783	783	582655	7098002		S	40	org	yb	si cl	qte ser /s lim	
K-0784	784	582696	7097977		S	25	sk org	yb	cl si	qte ser /s3% lim specks	
K-0785	785	582735	7097945	328	S	20		gb yb	si cl	qte ser /s	
K-0786	786	582776	7097917		S	35	org	yb	si cl	no rock	
K-0787	787	582825	7097903		S	35	sk org	yb	si cl	qte ser /s	
K-0788	788	582866	7097878		S+	25	sk org	yb	cl si	qte ser /s ox p	
K-0789	789	582910	7097853	819	S+	25	sk org	yb	cl si	qte ser / s qv	subhedral feldspars
K-0790	790	582962	7097829		S+	25	org	yb	si cl	qte ser/s	
K-0791	791	583004	7097811		S++	25	org	gb yb	gr si cl	qte ser /s	
K-0792	792	583054	7097783		S++	25		yb	si cl	lim	
K-0793	793	583106	7097749	830	S++	15	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?	perpendicular to fol
K-1052	52	582435	7098125		S	45	org	b yb	gv si cl	qte /s srtrong lim	poor sam
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 blebs	p? bqeyes
K-1058	58	582165	7098265		S++	25	dry	yb	si cl	qte ser /s	
K-1059	59	582128	7098283	722	S++	20	org	b yb	si cl	qte ser /s lim	

Scheme Code

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
0.12	44	36	-0.1	2.9
-0.1	15	58	-0.1	3.41
-0.1	8	19	-0.1	0.73
-0.1	26	31	-0.1	3.92
0.18	10	347	-0.1	11.9
0.4	83	1320	-0.1	26.5
-0.1	20	36	-0.1	2.98
0.13	84	70	-0.1	1.59
-0.1	20	58	0.13	5.59
0.11	21	41	-0.1	3.1
-0.1	18	24	-0.1	1.35
-0.1	8	18	-0.1	0.7
-0.1	7	36	-0.1	1.79
-0.1	19	23	-0.1	0.46
-0.1	16	34	-0.1	0.43
-0.1	21	39	-0.1	0.85
-0.1	6	15	-0.1	0.88
-0.1	23	23	-0.1	1.47
-0.1	17	31	-0.1	5.3
-0.1	13	33	-0.1	2.44
-0.1	24	24	0.12	2.18
-0.1	37	27	-0.1	0.58
-0.1	11	17	-0.1	3.19
-0.1	13	32	-0.1	3.11
-0.1	6	18	-0.1	1.41
0.12	42	41	0.13	11.9
0.13	9	12	-0.1	1.89
-0.1	6	15	-0.1	1.01
-0.1	10	18	0.12	2.55
-0.1	23	60	0.13	0.7
-0.1	9	20	-0.1	3.67
-0.1	29	33	-0.1	3.56
0.11	107	63	0.11	4.84
-0.1	3	31	-0.1	6.29
-0.1	8	72	0.15	1.31
-0.1	22	38	-0.1	13.3
-0.1	12	18	-0.1	6.99
-0.1	13	35	-0.1	6.56
-0.1	8	29	-0.1	4.88
0.1	7	11	-0.1	0.82
-0.1	10	14	-0.1	0.74
-0.1	13	19	-0.1	2.55
-0.1	8	15	-0.1	0.75
-0.1	12	16	-0.1	4.38
0.11	17	19	-0.1	3.54
-0.1	13	26	-0.1	3.37
-0.1	26	25	-0.1	4.35
-0.1	15	58	-0.1	3.41
0.28	22	164	-0.1	6.99
-0.1	8	18	-0.1	0.7
-0.1	11	20	-0.1	0.68

Comments:
From K-0553 to K-0597 the qte / s is strongly silicified. At K-0598 K-0599 there is a true qte which is qtz / feld / porph with strong hematite which stains the rock pink. In all notes "qte/s" actually represents a q-rich s.
Qte / s seems to be various bands of metavolcanics (rhyolitic crystal tuff to possibly coarser grained tuffs & ash tuffs).
NOTE: K-0781 is in fact the end of the line but due to easiness we started there and met up with our line @ K-0780.

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

TRAVERSE 18 GRAND FORKS 1:50,000 115-0/14

Scheme Code

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
-0.1	37	27	-0.1	0.58
0.14	32	51	-0.1	1
0.11	34	35	0.14	9.28
-0.1	15	34	0.13	7.89
-0.1	12	29	-0.1	9.17
-0.1	5	30	-0.1	17.3
-0.1	4	27	-0.1	15.4
-0.1	12	17	-0.1	0.5
-0.1	10	20	-0.1	0.37
-0.1	11	23	-0.1	3.79
-0.1	10	19	-0.1	4.17
-0.1	5	15	-0.1	0.81
-0.1	5	12	-0.1	0.8
0.11	21	41	-0.1	3.1
0.16	20	44	-0.1	2.58
-0.1	37	27	-0.1	0.58
-0.1	47	29	-0.1	0.58
0.12	42	41	0.13	11.9
-0.1	49	36	-0.1	10.8

K-0790
K-0824 for K-0790

K-1050
K-1060 for K-1050

K-539
DUP-K-539

K-551
DUP-K-551

K-599
DUP-K-599

K-0754
DUP-K-0754

K-0766
DUP-K-0766

K-0778
DUP-K-0778

K-0790
DUP-K-0790

K 1050
DUP-K 1050

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993 Au ppb	2118 Ag ppm			
		EAST	NORTH	ELEV													
TRAVERSE 18(-80)		GRAND FORKS 1:50,000 115-0/14															
		Sampled: July 22, 25 a			By: pl sj										Analysis Unit		
		Sample Interval (m): 50															
K-0536	96536	584645	7095211	890	S++	30	org	yb	si cl	qte ser s lim patches			<1	<0.2			
K-0537	96	584612.1	7095248.9		S++	20	org	yb	si cl	qte ser m			<1	<0.2			
K-0538	97	584586.3	7095290.7		S++	20	org	yb	cl si	qte ser			6	<0.2			
K-0539	98	584559.4	7095335.4		S++	25		yb	cl si	qte ser, bands of hem			<1	<0.2			
K-0540	99	584531.1	7095370.5	942	S++	25		yb	si cl	qte ser			<1	<0.2			
K-0541	100	584505.5	7095404.5		S++	25		yb	si cl	qte ser			1	<0.2			
K-0542	101	584476.1	7095441.4		S+	15	org	yb	gr si cl	qte ser			4	<0.2			
K-0543	102	584442.5	7095478.2		S++	20		rb	si cl	qte ser ox p			<1	<0.2			
K-0544	103	584413.6	7095507.3	993	S++	20	org	rb	si cl	qte ser ox p			<1	<0.2			
K-0545	104	584386.3	7095544.8		S++	25	org	rb	si cl	qte ser p lim			<1	<0.2			
K-0546	105	584359.1	7095580		S++	30	org	b yb	si cl	qte ser			<1	<0.2			
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			<1	<0.2			
K-0549	108	584271.7	7095693		R	15		yb	si cl	qte ser p lim			<1	<0.2			
K-0550	109	584236.9	7095728.6		S+	25	org	ob	si cl	qte ser p crenulated	big boulders		<1	<0.2			
K-0551	110	584178.4	7095810.1		S+	15	sk	yb rb	si cl	qte ser p			<1	<0.2			
K-0552	145	584178	7095810	1064	R	15		rb	si cl	qte ser p			<1	<0.2			
*K-0590	146	584126.5	7095857.8		R	20	org	rb	si cl	qte / s			<1	<0.2			
K-0591	147	584077.6	7095867.8		R	25		yb	si cl	qte / lim laths cross cut			<1	<0.2			
K-0592	148	584033.1	7095891.7		R	25	sk org	yb	si cl	qte / lim laths cross cut	hem stains // fol		<1	<0.2			
K-0593	149	583985.8	7095912.6	1052	R	25		yb	si cl	qte minor m/s			<1	<0.2			
K-0594	150	583938	7095940.6		R	25		yb	si cl	qte minor m/s lim p			<1	<0.2			
K-0595	151	583886.3	7095966.1		R	20	W	rb	si cl	qte minor m/s lim p	hem staining		<1	<0.2			
K-0596	152	583829.4	7095983.1		S	25	sk	yb	si cl	qte minor m/s lim p	hem stain par to fol		<1	<0.2			
K-0597	153	583774.1	7095969.7	1037	S	25	sk	rb	gv si cl	qte / s strong perv	hem stain		<1	0.2			
K-0598	154	583724.7	7095948		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated		<1	<0.2			
K-0599	155	583727.3	7096000.1		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated		2	<0.2			
K-0600	156	583817.5	7096033.6		S	25		yb	si cl	qte foliated lim // fol			2	<0.2			
K-0601	157	583813.4	7096089.7	1033	S	25		rb	si cl	qte foliated hem //	fol m/s		1	<0.2			
K-0602	158	583821.4	7096143.2		S	30	sk org	gb ob	si cl	qf por, minor ser p bull qv			<1	<0.2			
K-0603	159	583815.2	7096189.1		S	20		rb	si cl	qf por, minor ser p bull qv			<1	<0.2			
K-0604	160	583811.3	7096235.6	1010	S	20		yb	si cl	qte ser /s hem			2	<0.2			
K-0605	161	583805.5	7096286.9		S	20		yb	si cl	qte ser /s hem...	lim // fol		3	<0.2			
K-0606	162	583805.4	7096339.5		S	25	org	yb	si cl	qm s			<1	<0.2			
K-0607	163	583800.8	7096383.6		S	20	w org	yb	si cl	qm s			<1	<0.2			
K-0608	164	583789.9	7096436	998	S	40		g rb	si cl	qte ser /s hem specks			1	<0.2			
*K-0751	290	583771.3	7096483.3		R	25		yb	si cl	qte ser /s hem specks			<1				
K-0752	291	583764.9	7096537.6		R	25		rb	gr si cl	qm s			<1				
K-0753	292	583765	7096581.2		R	30	sk org	gb ob	gr si cl	qte ser/ s lim specks			<1				
K-0754	293	583768.7	7096640.5	976	R	20		rb	si cl	qte qfp ser lim			<1				
K-0755	294	583781.3	7096689.9		R	20		yb	gv si cl	qte ser /s lim blue q eyes			<1				
K-0756	295	583775.8	7096735.2		R	20		yb	gv si cl	qte ser /s			<1				
K-0757	296	583774.6	7096790.2		R	25	org	yb	si cl	qte ser /s			<1				
K-0758	297	583775.6	7096840.5	976	R	20	w org	yb	si cl	qte ser /s lim subhedral	felspars		3				
K-0759	298	583767.5	7096889.3		R	40		g rb	si cl	qte ser / subhedral f	banded blue q eyes		<1				
K-0760	299	592287.4	7095470.7		R	25	org	yb	gr si cl	qte ser /s fgb?			25				
K-0761	300	583738.8	7096991.4		R	25		yb	si cl	ser s intrusive? 3% lath like. qte ser /s lim perp fol			3				
K-0762	301	583720	7097033.9		S	25		yb	si cl	qte ser /s blue q eyes			<1				
K-0763	302	583685.8	7097076.1	966	S	25		yb	si cl	qte ser /s blue q eyes			1				
K-0764	303	583655.8	7097115.9		S	25		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes		<1				
K-0765	304	583625.4	7097154.6		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes		3				

SAMPLE
No
TRAVERSE 18(-80)

	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 %
K-0536	1.01	6	<10	230	<0.5	<2	0.09	<0.5	4	16	8	1.56	<10	<1	0.06	10	0.23	100	<1	<0.01
K-0537	1.44	8	<10	530	<0.5	<2	0.18	<0.5	7	23	11	2.26	<10	<1	0.08	10	0.38	265	<1	0.01
K-0538	1.63	10	<10	320	<0.5	<2	0.11	<0.5	7	27	15	2.48	<10	<1	0.05	10	0.4	215	1	0.01
K-0539	1.27	6	<10	230	<0.5	<2	0.1	<0.5	5	22	13	1.96	<10	<1	0.05	10	0.35	135	<1	<0.01
K-0540	1.71	10	<10	220	<0.5	<2	0.08	<0.5	6	28	13	2.56	<10	<1	0.05	10	0.4	200	<1	<0.01
K-0541	1.24	8	<10	160	<0.5	<2	0.11	<0.5	6	22	14	2	<10	<1	0.06	10	0.32	205	<1	<0.01
K-0542	0.7	4	<10	130	<0.5	<2	0.09	<0.5	2	11	6	1.03	<10	<1	0.06	10	0.15	60	<1	<0.01
K-0543	1.7	12	<10	220	<0.5	<2	0.13	<0.5	6	27	12	2.77	<10	<1	0.05	10	0.38	140	<1	0.01
K-0544	2.14	10	<10	280	0.5	2	0.13	<0.5	9	36	17	3.05	<10	<1	0.06	10	0.5	255	1	0.01
K-0545	1.21	14	<10	210	<0.5	<2	0.13	<0.5	6	24	12	2.87	<10	<1	0.1	<10	0.32	200	1	0.01
K-0546	1.13	10	<10	250	<0.5	<2	0.15	<0.5	5	17	10	2.18	<10	<1	0.08	10	0.24	205	1	0.01
K-0547																				
K-0548	2.06	16	<10	220	<0.5	<2	0.08	<0.5	9	34	12	3.56	<10	<1	0.05	<10	0.45	200	2	0.01
K-0549	1.07	6	<10	160	<0.5	<2	0.03	<0.5	3	13	6	1.21	<10	<1	0.05	10	0.16	70	<1	<0.01
K-0550	2.42	12	<10	400	0.5	<2	0.09	<0.5	10	38	14	3.2	<10	<1	0.04	10	0.42	230	1	0.01
K-0551	2.04	12	<10	300	0.5	<2	0.08	<0.5	8	30	18	2.5	<10	<1	0.05	10	0.42	190	<1	<0.01
K-0552	2.15	10	<10	240	<0.5	<2	0.07	<0.5	8	30	11	3.23	<10	<1	0.04	10	0.32	270	1	<0.01
**K-0590	2.27	12	<10	210	0.5	<2	0.11	<0.5	11	33	13	3.4	<10	<1	0.06	<10	0.46	240	<1	0.01
K-0591	2.38	12	<10	260	0.5	<2	0.13	<0.5	12	39	23	3.12	<10	<1	0.05	10	0.54	345	<1	0.01
K-0592	1.7	8	<10	170	<0.5	<2	0.12	<0.5	6	29	11	2.58	<10	<1	0.05	10	0.39	150	<1	0.01
K-0593	1.59	8	<10	250	<0.5	<2	0.12	<0.5	7	26	12	2.24	<10	<1	0.04	10	0.38	155	<1	0.01
K-0594	2.27	14	<10	350	0.5	<2	0.12	<0.5	9	32	13	3.28	<10	<1	0.05	10	0.47	195	1	0.01
K-0595	2.42	10	<10	320	<0.5	<2	0.1	<0.5	12	33	14	3.15	<10	<1	0.06	10	0.44	435	1	0.01
K-0596	1.65	6	<10	240	<0.5	<2	0.12	<0.5	8	26	15	2.39	<10	<1	0.04	10	0.41	190	1	0.01
K-0597	0.88	2	<10	110	<0.5	<2	0.01	<0.5	1	8	5	1.19	<10	<1	0.03	<10	0.19	40	<1	<0.01
K-0598	1.21	4	<10	150	<0.5	<2	0.05	<0.5	4	16	7	1.54	<10	<1	0.04	10	0.22	75	<1	<0.01
K-0599	1.95	8	<10	230	<0.5	<2	0.09	<0.5	7	32	16	2.54	<10	<1	0.04	20	0.49	175	1	0.01
K-0600	1.63	6	<10	220	<0.5	<2	0.1	<0.5	7	27	15	2.18	<10	<1	0.04	20	0.41	150	<1	0.01
K-0601	1.67	8	<10	170	<0.5	<2	0.08	<0.5	6	25	12	2.39	<10	<1	0.05	10	0.41	145	<1	0.01
K-0602	1.32	8	<10	140	<0.5	2	0.08	<0.5	4	20	7	2.52	<10	<1	0.05	10	0.29	140	1	<0.01
K-0603	1.55	8	<10	160	<0.5	<2	0.09	<0.5	6	23	10	2.08	<10	<1	0.05	20	0.39	155	1	0.01
K-0604	1.52	8	<10	180	<0.5	<2	0.09	<0.5	5	22	11	2.04	<10	<1	0.05	10	0.36	135	<1	<0.01
K-0605	1.35	8	<10	160	<0.5	<2	0.1	<0.5	6	23	12	1.92	<10	<1	0.04	10	0.37	120	<1	0.01
K-0606	1.19	6	<10	130	<0.5	<2	0.09	<0.5	3	19	8	1.72	<10	<1	0.04	10	0.34	110	<1	0.01
K-0607	1.11	6	<10	200	<0.5	<2	0.12	<0.5	4	17	11	1.66	<10	<1	0.05	30	0.35	135	<1	0.01
K-0608	1.44	8	<10	170	<0.5	<2	0.06	<0.5	3	19	6	2.13	<10	<1	0.05	10	0.28	85	<1	0.01
**K-0751																				
K-0752																				
K-0753																				
K-0754																				
K-0755																				
K-0756																				
K-0757																				
K-0758																				
K-0759																				
K-0760																				
K-0761																				
K-0762																				
K-0763																				
K-0764																				
K-0765																				

SAMPLE No
TRAVERSE 18(-80)

	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
K-0536	10	160	14	<0.01	<2	2	10	0.04	<10	<10	35	<10	32
K-0537	15	240	18	<0.01	<2	3	19	0.04	<10	<10	46	<10	48
K-0538	17	170	16	<0.01	<2	3	12	0.05	<10	<10	49	<10	44
K-0539	13	140	14	<0.01	<2	2	11	0.04	<10	<10	37	<10	40
K-0540	16	180	24	<0.01	<2	3	10	0.05	<10	<10	49	<10	52
K-0541	16	310	48	<0.01	<2	2	10	0.04	<10	<10	35	<10	56
K-0542	7	130	32	<0.01	<2	1	10	0.03	<10	<10	21	<10	34
K-0543	16	220	18	<0.01	<2	3	14	0.05	<10	<10	58	<10	44
K-0544	23	210	22	<0.01	<2	4	15	0.06	<10	<10	61	<10	62
K-0545	15	350	22	0.01	<2	2	13	0.06	<10	<10	57	<10	54
K-0546	11	280	36	0.01	<2	1	13	0.04	<10	<10	51	<10	46
K-0547													
K-0548	20	220	18	0.01	<2	3	10	0.06	<10	<10	60	<10	48
K-0549	6	50	34	<0.01	<2	2	4	0.01	<10	<10	20	<10	24
K-0550	19	150	16	<0.01	<2	3	11	0.06	<10	<10	69	<10	46
K-0551	23	120	24	<0.01	<2	4	9	0.05	<10	<10	45	<10	50
K-0552	15	240	22	<0.01	<2	3	9	0.05	<10	<10	72	<10	76
*K-0590	26	430	24	0.02	<2	3	12	0.04	<10	<10	47	<10	72
K-0591	25	260	12	<0.01	<2	5	15	0.06	<10	<10	58	<10	60
K-0592	15	270	12	0.01	<2	1	13	0.04	<10	<10	56	<10	40
K-0593	16	180	18	<0.01	<2	3	13	0.05	<10	<10	43	<10	40
K-0594	22	230	20	<0.01	<2	3	14	0.06	<10	<10	63	<10	50
K-0595	21	280	16	0.01	<2	3	11	0.05	<10	<10	67	<10	76
K-0596	18	250	14	<0.01	<2	3	13	0.05	<10	<10	48	<10	42
K-0597	4	40	24	<0.01	<2	3	3	0.01	<10	<10	12	<10	24
K-0598	9	80	42	<0.01	<2	2	6	0.03	<10	<10	27	<10	26
K-0599	18	90	16	<0.01	<2	4	12	0.06	<10	<10	50	<10	46
K-0600	17	110	18	<0.01	<2	4	11	0.05	<10	<10	42	<10	46
K-0601	15	200	26	0.01	<2	3	9	0.04	<10	<10	41	<10	42
K-0602	10	200	24	<0.01	<2	3	9	0.04	<10	<10	45	<10	38
K-0603	13	190	28	<0.01	<2	4	9	0.04	<10	<10	35	<10	44
K-0604	13	170	22	<0.01	<2	3	10	0.04	<10	<10	38	<10	40
K-0605	14	210	20	<0.01	<2	3	10	0.04	<10	<10	34	<10	42
K-0606	11	280	20	<0.01	<2	1	9	0.04	<10	<10	32	<10	36
K-0607	11	240	20	<0.01	<2	3	12	0.04	<10	<10	29	<10	36
K-0608	8	200	22	<0.01	<2	1	8	0.03	<10	<10	40	<10	28
**K-0751													
K-0752													
K-0753													
K-0754													
K-0755													
K-0756													
K-0757													
K-0758													
K-0759													
K-0760													
K-0761													
K-0762													
K-0763													
K-0764													
K-0765													

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
EAST		NORTH		ELEV								
TRAVERSE 18(-80)		GRAND FORKS 1:50,000 115-0/14										
		Sampled: july 22, 25 a		By: pl sj		Analysis Unit						
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	
								subhedral feldspars		rhyolitic crystal tuff		
K-0772	311	583413	7097435		S++	35		yb	si cl	qte /ser /s		
								subhedral feldspars		rhyolitic crystal tuff	heavy moss	
K-0773	312	583383.4	7097475.8		S++	25		yb	si cl	qte ser / s		
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 feldspars	
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		

Scheme Code 3993 2118
 Analysis Unit Au Ag
 ppb ppm

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

TRAVERSE 19 GRAND FORKS 1:50,000 115-0/14

Sampled: aug 9 00

By:

pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0794	794	583573.3	7097295	931	S++	25	sk org	yb	gr si cl	qte ser /s lim patches	blue q eyes	0.15	14	129	-0.1	4.31
K-0795	795	583570.8	7097340		S++	15	org	yb	cl si	qte ser /s ox		-0.1	20	28	-0.1	4.48
K-0796	796	583579.4	7097392		S++	15	org	yb	cl si	qte ser/s lim		0.21	27	130	-0.1	7.38
K-0797	797	583576.5	7097440		S++	15	org	yb	si cl	qte ser/s weakly foliated	blue q eyes moist	0.15	14	61	-0.1	9.4
K-0798	798	583583.8	7097490	889	S++	40	org	yb	si cl	qte ser/s weakly foliated	blue q eyesmoist	0.11	15	39	-0.1	4.86
K-0799	799	583588.8	7097539		S++	40	org	yb	si cl	qte ser/s lim	blue q eyesmoist	-0.1	67	65	-0.1	2.48
K-0800	800	583592.7	7097590		S++	20	org	yb	si cl	qte ser /s lim	blue q eyesmoist	-0.1	12	57	-0.1	5.24
K-0801	801	583590.4	7097639		S++	25	org	b yb	si cl	qte ser/s lim		-0.1	16	29	-0.1	3.35
K-0802	802	583593.1	7097693	847	S++	40	org	b yb	gv si cl	qte ser /s lim	thick moss	0.12	128	391	-0.1	6.37
K-0803	803	583595.3	7097738		S++	30	F org	g rb	si cl	q ser /s lim patches		0.17	58	150	-0.1	3.4
K-0804	804	583599.1	7097793		S++	30		b	si cl	q ser /s ox	tiny chips	-0.1	12	47	-0.1	2.2
K-0805	805	583601.5	7097841		S++	25	org	b yb	si cl	qte ser /s lim		0.11	26	57	-0.1	2.2
K-0806	806	583599.2	7097888	796	S++	40	org	b yb	si cl	no rocks		-0.1	19	46	-0.1	1.12
K-0807	807	583591.5	7097938		S++	40	W org	b yb	si cl	no rocks		-0.1	16	43	-0.1	3.97
K-0808	808	583599	7097991		S++	3030	W	yb	si cl	q ser / s lim		-0.1	21	36	-0.1	2.37
K-0809	809	583581.7	7098041		S++	35	F org	b yb	si cl	no rocks		-0.1	32	70	-0.1	0.42
K-0810	810	583581.2	7098089	745	S++	50	org	b	si cl	no rocks		0.12	27	74	-0.1	1.4
K-0811	811	583576.5	7098137		S++	35	org	yb	si cl	carb q s		-0.1	25	51	-0.1	2.65
K-0812	812	583579.8	7098187		S++	35	org	b yb	gr si cl	carb q s m folded lim	bandspar to fol	-0.1	20	55	0.1	12.1
eoIK-0813	813	583580.9	7098247	694	S++	25	org	yb	si cl	q ser s weakly carb		0.24	73	107	0.12	10.8

K-0800

K-0814 for

K-0800

DUP-K-0814

K-0810

K-0815 for

K-0810

K-0802

DUP-K-0802

Comments
Soils are
wetter than
on the ridge
(TR 18).
Rocks are
same as TR
18 except for
carbonaceous
s / musc
schists at
bottom (
Nassina)

-0.1	12	57	-0.1	5.24
0.15	35	65	0.12	1.55
-0.1	30	49	-0.1	1.24
0.12	27	74	-0.1	1.4
-0.1	21	47	-0.1	3.29
0.12	128	391	-0.1	6.37
0.11	106	343	-0.1	7.17

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

TRAVERSE 19(-80)

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

Sampled: 07-Aug-00

By:

pl sj

Sample Interval (m): 50

Scheme Code

3993

Analysis Unit

Au

ppb

K- 0794	794	583573.3	7097295	931	S++	25	sk org	y b	gr si cl	qte ser /s lim patches	blue q eyes	1
K- 0795	795	583570.8	7097340		S++	15	org	y b	cl si	qte ser /s ox		2
K- 0796	796	583579.4	7097392		S++	15	org	y b	cl si	qte ser/s lim		10
K- 0797	797	583576.5	7097440		S++	15	org	y b	si cl	qte ser/s weakly foliated	blue q eyes moist	4
K- 0798	798	583583.8	7097490	889	S++	40	org	y b	si cl	qte ser/s weakly foliated	blue q eyesmoist	10
K- 0799	799	583588.8	7097539		S++	40	org	y b	si cl	qte ser/s lim	blue q eyesmoist	<1
K- 0800	800	583592.7	7097590		S++	20	org	y b	si cl	qte ser /s lim	blue q eyesmoist	5
K- 0801	801	583590.4	7097639		S++	25	org	b yb	si cl	qte ser/s lim		7
K- 0802	802	583593.1	7097693	847	S++	40	org	b yb	gv si cl	qte ser /s lim	thick moss	6
K- 0803	803	583595.3	7097738		S++	30	F org	g rb	si cl	q ser /s lim patches		6
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		4
K- 0806	806	583599.2	7097888	796	S++	40	org	b yb	si cl	no rocks		3
K- 0807	807	583591.5	7097938		S++	40	W org	b yb	si cl	no rocks		<1
K- 0808	808	583599	7097991		S++	3030	W	y b	si cl	q ser / s lim		6
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		5
K- 0811	811	583576.5	7098137		S++	35	org	y b	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	4
K- 0813	813	583580.9	7098247	694	S++	25	org	y b	si cl	q ser s weakly carb		7

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 20		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 28-Aug-00		By:	pl sj						
		Sample Interval (m): 50									
K-1003	3	584097.1	7099243	693	S	20	org	b yb	gr si cl	qms	
K-1004	4	584134.5	7099209		S	15		yb	si cl	qms	
K-1005	5	584163.2	7099177		S	20	org	b yb	si cl	no rocks	
K-1006	6	584199.6	7099129		S	20	org	b yb	si cl	qms	
K-1007	7	584220.1	7099090	729	R	20	org	b rb	si cl	qte / s bqeyes	
K-1008	8	584247.5	7099046		R	25	sk org	g yb	si cl	qte m /s crenulated	
K-1009	9	584280.7	7099002		R	20		yb	si cl	qte m /s	
K-1010	10	584302.5	7098954		R	20	org	b yb	si cl	qte m /s q eyes	
K-1011	11	584326.5	7098913	734	R	15	W	yb	cl si min	qte m /s	
K-1012	12	584348.9	7098860		R	20		rb	cl si min	qte m /s	
K-1013	13	584382.6	7098827		R	20	org	b yb	si cl	qte m /s	
K-1014	14	584407	7098787		S	20	org	b yb	gr si cl	qte m /s lim p	
K-1015	15	584443.4	7098744	721	S	20	org	b yb	si cl	qte m /s ox	
K-1016	16	584477.3	7098713		S+	25	org	yb	si cl	qte m /s ox	
K-1017	17	584511.6	7098676		S++	25	org	yb	si cl	ox s	
K-1018	18	584546.3	7098636		S++	20		yb	si cl	qte m /s lim	q amphibole vfg
									intrusive?	angular boulders with	K s par to fol
K-1019	19	584582.1	7098592	707	S++	35	org	b yb	si cl	qte m /s lim	
K-1020	20	584611.9	7098560		S++	15	org	b yb	si cl	qte ser /s	
K-1021	21	584645.2	7098522		S++	20	org	g yb b	si cl	qte minor m p	
K-1022	22	584678.8	7098492		S+	30	org	b yb	si cl	qv lim p	
K-1023	23	584711.9	7098451	701	S+	40	org	b yb	si cl	qte m /s p ox	
K-1024	24	584751	7098422		S+	40	org	b	cl	no rocks	
K-1025	25	584791.8	7098389		S+	40	org	b	si cl	no rocks	
K-1026	26	584828.2	7098356		S+	35	org	b yb ming	si cl	carb s qte m /s	
K-1027	27	584865.4	7098320	703	S+	35	org	g yb	si cl	qms	
K-1028	28	584905.9	7098289		S	30	org	g yb	si cl	qte ser /s bqeyes	
K-1029	29	584938.7	7098249		R	25	org	b	cl	qte m /s	
K-1030	30	584959.4	7098204		R	25	org	b yb	gr si cl	qte ser s oxp	
K-1031	31	584995.1	7098173	709	R	25	org	yb	si cl	q ser s	
K-1032	32	585006.8	7098112		R	25	org	yb	si cl	no rocks	
K-1033	33	585037.5	7098071		S	20		yb	si cl	qv	
K-1034	34	585069.5	7098027		S	25	org	b yb	si cl	qte bqeyes vfg b?	
K-1035	35	585071.6	7097968	689	S	15	sk org	yb b	si s gr	qte ser /s sriong ser	silicified
K-1036	36	585104.6	7097924		S	25		yb	si cl	qte ser /s fgb?	
K-1037	37	585148.9	7097905		S	25		yb	si cl	qte ser /s	
K-1038	38	585188.5	7097861		S	30	org	b yb	si cl	qms ox	
K-1039	39	585224.1	7097835	657	S	40	org	b yb	si cl	qms	
K-1040	40	585259.6	7097804		S	25	org	yb minb	si cl	qte ser /s ox	
K-1041	41	585291.9	7097757		S	40	org	b	si cl	no rocks	
K-1042	42	585335.2	7097728		S	40	org	b yb	gr gv si cl	qte ser /s ox	
K-1043	43	585378.4	7097705	621	S	20	org	b min yb	gr si cl	qte ser /s	
K-1044	44	585411.3	7097681		S++	30	org	b min yb	gr cl si	qte m strong hem	
K-1045	45	585450.5	7097641	573	S++>20	25	org	r yb	cl si	qte ser /s vfgb?	vfg euهدral p

Scheme Code
Analysis Unit
Detection Limit

Au MMI-B ppb	Co MMI-B ppb	Ni MMI-B ppb	Pd MMI-B ppb	Ag MMI-B ppb
0.1	1	3	0.1	0.1
-0.1	26	75	-0.1	18.4
-0.1	18	29	-0.1	8.94
-0.1	17	38	-0.1	26.7
-0.1	8	20	-0.1	5.04
-0.1	13	17	-0.1	0.98
-0.1	12	21	0.12	4.95
0.1	8	16	0.12	1.78
0.12	11	27	-0.1	12.3
0.17	12	27	0.14	6.9
0.1	7	24	0.14	5.2
0.15	7	18	0.15	5.13
0.12	14	27	0.13	3.1
0.16	11	28	0.11	6.9
0.13	12	24	0.13	5.96
-0.1	10	29	0.13	4.99
0.11	23	29	0.11	5.89
0.12	20	48	0.13	3.2
-0.1	31	43	0.14	4.28
-0.1	7	77	0.1	7.79
0.18	158	223	-0.1	4.46
0.23	176	470	0.14	6.68
0.27	147	305	-0.1	2.11
0.24	44	137	0.12	4.46
0.34	138	285	-0.1	9.31
0.48	93	352	0.14	4.35
0.29	97	118	0.12	3.75
-0.1	32	41	0.15	2.96
-0.1	18	29	0.12	7.53
-0.1	15	32	0.15	1.87
-0.1	13	19	0.13	4.15
0.22	9	39	-0.1	14.9
-0.1	13	19	-0.1	8.85
-0.1	17	87	0.13	6.54
0.2	3	1260	0.12	20.9
0.57	13	701	0.12	22
-0.1	1	112	0.11	1.44
0.2	5	530	-0.1	13.3
-0.1	11	144	0.11	7.36
-0.1	9	61	-0.1	0.4
-0.1	82	269	-0.1	2.95
0.13	41	73	0.11	5.78
-0.1	4	104	-0.1	6.59
-0.1	4	191	0.13	12.3

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

K-1010												Au	Co	Ni	Pd	Ag
K-1046 dupl of	K-1010											0.12	11	27	-0.1	12.3
												-0.1	9	19	-0.1	11.1
K-1020												-0.1	31	43	0.14	4.28
K-1047 dupl of	K-1020											0.12	31	72	-0.1	6.61
K-1030												-0.1	18	29	0.12	7.53
K-1048 dupl of	K-1030											-0.1	12	39	-0.1	5
K-1040												-0.1	11	144	0.11	7.36
K-1049 dupl of	K-1040											0.2	118	416	-0.1	2.32
K-1010												0.12	11	27	-0.1	12.3
DUP-K-1010												-0.1	10	23	-0.1	10.6
K-1022												0.18	158	223	-0.1	4.46
DUP-K-1022												0.15	138	203	-0.1	4.14
K-1034												-0.1	13	19	-0.1	8.85
DUP-K-1034												-0.1	11	17	-0.1	8.37
K-1046												-0.1	9	19	-0.1	11.1
DUP-K-1046												-0.1	7	17	0.13	10.8

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 21		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 24-Jul-00			By: pl sj						
		Sample Interval (m): 50									
K-0553	111553	592004	7094200	796	S++	15		rb	si cl	qte m p / s	A
K-0554	111	592054.4	7094184		S++	15		g rb	si cl	qte m p / s	AB
K-0555	112	592093.9	7094164		S++	15		g rb	si cl	qte m p / s	B
K-0556	113	592139.2	7094143		S++	15		g ob	si cl	qte m p / s	B
K-0557	114	592186.5	7094117	830	S++	15	org	g ob	si cl	qte m s p lim	B
K-0558	115	592235.7	7094098		S++	25	org	g ob	si cl	qte m s ox	B
K-0559	116	592276.2	7094071		S++	20		gb ob	si cl	qte m s ox	B
K-0560	117	592322.5	7094045		S++	15	org	b yb	si cl	qte m s ox	B
K-0561	118	592361.6	7094021	808	S++	50	org	gb	si cl	qte m s ox	many org poor A
K-0562	119	592404	7093999		S++	15	oo	b yb	si cl	qms	B
K-0563	120	592448.2	7093981		S++	20		yb	gr si cl	qmsp	B
K-0564	121	592495.2	7093964		S++	20	sk	yb	gr si cl	qms	B
K-0565	122	592537.8	7093939	776	>20	20		yb	si cl	qmsp	B
K-0566	123	592583.5	7093922		>20	20	W	yb	si cl	qte m p lim	B
	124	no	sample here		due	to	creek	bottom			
K-0567	125	592666.3	7093887		25	20	W org	b	si cl	qms	A
K-0568	126	592704.5	7093865	772	25	35	W org	yb b	si cl gr	qte m / s p	AB
K-0569	127	592755.6	7093845		25	30	W org	b	si cl gr	qms	A
K-0570	128	592796	7093830		S++	35	W org	b yb	gr si cl	qms	AB
K-0571	129	592839.5	7093809		S++	30	W	b	gr si cl	qms lim	A
K-0572	130	592883.9	7093793	826	S++	45	W org	b	gr si cl	qms very small rocks	A
K-0573	131	592926.8	7093774		S++	15		yb	gr si cl	qms p	B
K-0574	132	592972.3	7093747		S++	15	sk org	b	gr si cl	qte m / s	A
K-0575	133	593015	7093733		S++	30	W org	yb	gr si cl	qte m / s p	B
K-0576	134	593062.5	7093710	841	S++	15	sk org	ob	gr si cl	qms	B
K-0577	135	593108.8	7093691		S++	20		yb	gr si cl	qte ser lim p	B
K-0578	136	593151.5	7093670		S++	25	org	gb yb	gv si cl	qte minor m lim parallel	to foliation AB
K-0579	137	593194.5	7093650		S++	15	sk org	yb	gr si cl	qte ser lim parallel	to foliation B
K-0580	138	593236.2	7093635	806	S++	15	sk org	yb	gr si cl	qte m / s	B
K-0581	139	593278	7093607		S++	25		yb	si cl	qte minor ser qv	lots of big rocks B
K-0582	140	593320	7093592		S++	15	org	b	gr si cl	qte minor ser lim par...	to foliation A
K-0583	141	593367.7	7093570		S++	25	org	b yb	si cl	qte minor ser lim par...	to foliation AB
K-0584	142	593413.1	7093550	757	S++	15	W	yb	si cl	qte 3% p	B
K-0585	143	593457.2	7093523		S++	30	W	yb	si cl	qms very small rocks	B
eol K-0586	144586	593498.2	7093507	719	S++	25		b	cl si	no rocks	A

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	6	12	-0.1	1.04
-0.1	3	29	-0.1	1.82
-0.1	4	16	-0.1	2.47
-0.1	3	20	-0.1	0.51
-0.1	4	31	-0.1	3.46
-0.1	5	33	-0.1	0.45
0.59	10	21	-0.1	2.34
0.27	9	13	-0.1	1.77
0.23	27	32	0.11	5.14
0.2	14	27	-0.1	1.68
0.15	6	12	0.1	5.65
0.12	48	17	-0.1	3.67
0.18	20	21	-0.1	5.02
0.24	30	39	-0.1	8.03
0.14	22	24	0.1	1.63
-0.1	24	19	-0.1	1.32
-0.1	29	32	-0.1	1.28
0.31	65	35	-0.1	3.96
-0.1	17	20	-0.1	3.96
-0.1	18	20	-0.1	1.72
0.3	82	179	-0.1	7.05
-0.1	20	16	-0.1	4.27
0.34	35	117	-0.1	2.37
0.32	4	8	-0.1	1.16
0.12	8	10	-0.1	2.91
-0.1	10	14	-0.1	1.89
-0.1	4	10	-0.1	4.8
-0.1	4	5	-0.1	4.64
0.14	9	17	-0.1	3.68
-0.1	15	16	-0.1	6.39
0.25	17	32	-0.1	3.88
0.28	21	19	-0.1	5.88
0.72	17	66	-0.1	4.6
0.39	44	33	-0.1	2.32
0.27	9	13	-0.1	1.77
0.14	7	6	-0.1	0.89
0.31	65	35	-0.1	3.96
0.32	55	38	-0.1	2.69
-0.1	4	5	-0.1	4.64
0.11	4	10	-0.1	3.34
0.15	6	12	0.1	5.65
-0.1	5	15	-0.1	4.87
0.34	35	117	-0.1	2.37
0.52	40	144	-0.1	2.09

Peter' Comments

mostly consistent sampling - rock varied little but seemed very siliceous close to the east arm up Hester near end of line. Many large (> 10cm) rock under moss throughout line

K-563
DUP-K-563

K-575
DUP-K-575

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

TRAVERSE 22 GRAND FORKS 1:50,000 115-0/14

Sampled: 28-Jul-00

By: pl, sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0609	165609	592300	7094603	787	S	15	org	g rb b	si cl	qte m / s	B minor A	-0.1	10	14	-0.1	1.22
K-0610	165	592354.5	7094580		S	15		yb g	si cl	qte m / s	B minor A	-0.1	7	12	0.1	1.35
K-0611	166	592392.9	7094562		S	15	org	g yb	si cl	qms lim	A B	-0.1	5	15	0.15	1.66
K-0612	167	592438	7094540		S+	15		ob	si cl	q bandid	B	-0.1	4	11	0.12	6.57
K-0613	168	592475	7094531	776	S+	15		rb	si cl	q bandid / p	B	-0.1	9	10	-0.1	11.7
K-0614	169	592533.4	7094502		S+	15	org	rb	si cl	qms ox	B	-0.1	7	13	0.1	4.04
K-0615	170	592572.3	7094486		S+	20	org	b ob	si cl	qte / s m	A B 5% lim p spots	0.36	6	27	-0.1	44.9
K-0616	171	592612.1	7094481		S++	15	org	rb	si cl	qte / s hem	B	0.17	8	13	-0.1	9.69
K-0617	172	592650.9	7094458	737	S++	25		yb	gr si cl	qtem / s lim	B	-0.1	3	11	-0.1	2.38
K-0618	173	592685	7094425		S++	20		ob	si cl	qte ser / s	B	-0.1	5	10	-0.1	1.57
K-0619	174	592733.6	7094409		S++	20		yb	gr si cl	qms lim	B	-0.1	6	11	0.11	3.46
K-0620	175	592773	7094392		S++	20	org	ob	si cl	no rock	B	-0.1	7	17	-0.1	3.61
K-0621	176	592816.8	7094378	649	S++	20		yb	si cl	qms	B	0.11	11	20	-0.1	3.24
K-0622	177	592860.8	7094359		S++	15		yb	si cl	qms lim	B	0.11	21	22	-0.1	3.56
	178	no sample due to creek														
K-0623	179	592937.9	7094328			>20	W org	gb	gr si cl	qte /ms	B	-0.1	39	39	-0.1	5.42
K-0624	180	592984.5	7094317	n/a		>20	F org	b	lots hummus cl		min A frozen poor	-0.1	16	34	0.1	0.53
K-0625	181	593032.2	7094304		S++	30	org	b	si cl	qms	A minor B	0.16	46	57	-0.1	1.69
K-0626	182	593075.8	7094288		S++	30	org	b yb	si cl	qms	AB	0.19	54	45	0.15	4.55
K-0627	183	593121.1	7094277		S++	25		yb	si cl	qms p lim	B	0.42	24	105	0.14	3.7
K-0628	184	593170.1	7094254	734	S++	20	W org	yb	si cl	qms	B	0.41	31	43	-0.1	6.01
K-0629	185	593219.6	7094234		S++	40	org	b	si cl	qte m p lim / s	A boulders un moss	-0.1	14	17	0.12	3.49
K-0630	186	593262.2	7094207		S++	20	org	yb	si cl	qms ox bandid q	boulder field B	-0.1	6	12	0.11	1.91
K-0631	187	593301.9	7094192		S++	20	sk org	b	si cl	bandid q	A	-0.1	10	16	0.11	1.06
K-0632	188	593347.8	7094167	722	S++	25	org	b	si cl	qte m p ox	A	-0.1	9	15	-0.1	2.58
K-0633	189	593393.5	7094153		S++	20	W	b yb	gr si cl	qte m / s	A B	-0.1	5	13	-0.1	1.85
K-0634	190	593433.6	7094130		S++	30	org	b yb	si cl	qms	A B	0.16	8	21	0.14	1.17
K-0635	191	593481.1	7094113		S++	35		b	si cl	qms lim	boulder fieldA	0.19	7	23	-0.1	0.75
K-0636	192	593529.6	7094093	669	S++	25	sk org	b yb	si cl	folded (f) bandid rhyolitic	tuff , crystal tuff AB	-0.1	9	13	0.12	5.9
K-0637	193637	593564.3	7094066	656	S++	25	W org	b	si cl	qte m / s tuff?	A	0.2	13	23	0.11	1.25

k-0613												-0.1	9	10	-0.1	11.7
K-0638 for		k-0613										-0.1	11	10	-0.1	12.6
K-0620												-0.1	7	17	-0.1	3.61
K-0639 for		K-0620										-0.1	11	18	-0.1	2.39
K-0630												-0.1	6	12	0.11	1.91
K-0640 for		K-0630										-0.1	7	12	-0.1	1.4

K-0609												-0.1	10	14	-0.1	1.22
DUP-K-0609												0.12	10	16	-0.1	1.31
K-0621												0.11	11	20	-0.1	3.24
DUP-K-0621												0.1	10	20	-0.1	3.15
K-0633												-0.1	5	13	-0.1	1.85
DUP-K-0633												-0.1	5	13	-0.1	1.62

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

TRAVERSE 23 GRAND FORKS 1:50,000 115-0/14

Sampled: 02-Aug-00

By: PL SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0675	223675	592747	7093197	958	R	15		yb	si cl	qms ox	B
K-0676	223	592767.4	7093246		R	15	org	g yb	si cl	qte m / s	AB
K-0677	224	592790.8	7093289		R	20		g yb	si cl	q m / s lim	AB
K-0678	225	592813	7093339		S+	25	org	rb	si cl	qte bandid	B
K-0679	226	592836	7093381	920	S+	20		rb	si cl	qte m / s c	phenocrysts
K-0680	227	592857.8	7093424		S++	20	org	g yb	gr si cl	qte ox qfp	A B
K-0681	228	592875.3	7093472		S++	30	org	yb	si cl	weakly fol p	B
K-0682	229	592888.3	7093512		S++	30		yb	si cl	qfp lim p	B
K-0683	230	592910.6	7093557	876	S++	25		b min yb	si cl	qms qv	q has 2 fabrics
K-0684	231	592927.8	7093606		S++	15		yb	si cl gr	qms qv	B
K-0685	232	592946.2	7093652		S++	25		yb	si cl	did qte rhye	crystal tuff p
K-0686	233	592958.5	7093698		S++	30		yb min b	si cl	ndid qte q	A minor B
K-0687	234	592975	7093746	842	S++	30	sk	rb	cl si gr	q / s p ox r	B
K-0688	235	592996.8	7093788		S++	35	W org	gb	si cl gv	qte qfp per	many spring runoff
K-0689	236	593013.5	7093830		S++	30	W	yb	si cl	qte / s p	moss thick
K-0690	237	593029.4	7093878		S++	65	minor org	yb	si cl	q / qms fold	poor sam
K-0691	238	593048.3	7093924	809	S++	60	F org	b min yb	si ci	qte / ser s	poor sam
K-0692	239	593068.1	7093965		S++	30		b	si cl	n qfp non l	A
K-0693	240	593084.8	7094013		S++	40		b	si cl	no rocks	A
K-0694	241	593104.5	7094057		S++	25	sk	b min yb	si cl	rhyolitic qte	A minor B
K-0695	242	593118.1	7094093	763	S++	25	org	yb	si cl	qms lim	B
K-0696	243	593131	7094147		S++	40		yb	gr si cl	ol qte lim(p	B
K-0697	244	593151.3	7094190		S++	30		yb	si ci	qte / qms l	B
K-0698	245	593168.6	7094236		S++	40	org	yb	si cl	qms / qte l	B
K-0699	246	593176.7	7094263	729	S++	30		b	si ci	qms	A
K-0700	247	593206.3	7094326		S++	40	W org	yb	si cl	no rocks	B
K-0701	248	593226.3	7094371		S++	35	org	yb	si cl	qms / qte	B
K-0702	249	593245.1	7094411		S++	35		g yb	si cl	qms	AB
K-0703	250	593266.9	7094456	680	S++	35	org	yb	si cl gr	qms	B
K-0704	251	593293.1	7094501		S++	40	org	b gb	si ci	carb qte	AB
K-0705	252	593308	7094548		S++	45	sk W	yb	si cl gr	arb qte / qn	B
K-0706	253	593322.1	7094587	642	S++	30	sk	gb	gv si cl gr	arb qte / qn	B

-0.1	2	5	-0.1	1.83
-0.1	2	7	-0.1	3.15
0.21	33	69	-0.1	3.93
0.18	139	109	-0.1	5.51
-0.1	10	16	-0.1	1.56
0.16	15	29	-0.1	2.43
0.2	6	10	-0.1	2.19
0.23	7	11	-0.1	2.52
0.16	13	23	-0.1	2.67
0.22	15	27	-0.1	3.2
0.25	52	194	-0.1	39.6
0.2	76	223	-0.1	32.3

Comments:

Rocks were very siliceous throughout most of the traverse. What was identified as oxq qfp may have been thick bands of the rhyolitic banded crystal tuff as was encountered in line 22. This is actually part of the qtz musc shist/ qte, but the protolith is obvious. Also sampled part of this unit with Galena?

K-0681
DUP-K-0681

K-0693
DUP-K-0693

K-0705
DUP-K-0705

SAMPLE No	GPS W/P/T	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993
		EAST	NORTH	ELEV								Analysis Unit	Au
TRAVERSE 23(-80)		GRAND FORKS 1:50,000 115-0/14											ppb
		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		<1
K-0676	223	592767.4	7093246.3		R	20		yb	si cl	qte m / s	AB		4
K-0677	224	592790.8	7093288.8		R	25		yb	si cl	qte m / s lim (p)	AB		<1
K-0678	225	592813	7093339.1		S+	30	org	rb	si cl	qte bandid p	B		2
K-0679	226	592836	7093380.5	920	S+	25		rb	si cl	qte m / s q	phenocrysts		10
K-0680	227	592857.8	7093423.6		S++	30	org	rb	gr si cl	qte ox qfp ?	A B		<1
K-0681	228	592875.3	7093472		S++	35		yb	si cl	qfp weakly fol p (lim)	B		5
K-0682	229	592888.3	7093512.4		S++	35		yb	si cl	qfp lim p	B		3
K-0683	230	592910.6	7093556.7	876	S++	30		yb	si cl	qms qv	q has 2 fabrics		2
K-0684	231	592927.8	7093606.3		S++	15		yb	si cl gr	qms qv	B		<1
K-0685	232	592946.2	7093652.3		S++	30		yb	si cl	bandid qte rhyolitic	crystal tuff p		1
K-0686	233	592958.5	7093697.5		S++	30		yb min b	si cl	bandid qte qms	A minor B		11
K-0687	234	592975	7093745.8	842	S++	30	sk	rb	cl si gr	qte / s p ox mc	B		2
K-0688	235	592996.8	7093787.8		S++	40	W org	gb	si cl gv	ns qte qfp perv Gr many spring runoff			11
K-0689	236	593013.5	7093829.5		S++	30	W	yb	si cl	qte / s p	moss thick		2
K-0690	237	593029.4	7093877.9		S++	65	minor org	yb	si cl	qte / qms folded	poor sam		2
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		6
K-0693	240	593084.8	7094012.9		S++	40		b	si cl	no rocks	A		4
K-0694	241	593104.5	7094057.1		S++	40	sk	b	si cl	ndid rhyolitic qte q	A		3
K-0695	242	593118.1	7094093.4	763	S++	30		yb	si cl	qms lim	B		6
K-0696	243	593131	7094147		S++	50		yb	gr si cl	fol qte lim(p)	B		4
K-0697	244	593151.3	7094190.1		S++	30		yb	si cl	qte / qms p	B		4
K-0698	245	593168.6	7094235.5		S++	50	org	yb	si cl	qms / qte p	B		7
K-0699	246	593176.7	7094262.6	729	S++	40		b	si cl	qms	A		5
K-0700	247	593206.3	7094326.3		S++	40	W org	yb	si cl	no rocks	B		3
K-0701	248	593226.3	7094370.6		S++	35	org	yb	si cl	qms / qte	B		2
K-0702	249	593245.1	7094410.6		S++	40		yb	si cl	qms	AB		4
K-0703	250	593266.9	7094455.5	680	S++	40	org	yb	si cl gr	qms	B		18
K-0704	251	593293.1	7094501.2		S++	55	org	gb	si cl	carb qte	AB		4
K-0705	252	593308	7094547.7		S++	45	sk W	yb	si cl gr	carb qte / qms	B		5
K-0706	253	593322.1	7094587	642	S++ 30	30	sk	gb	gv si cl gr	carb qte / qms	B		5

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

TRAVERSE 24 GRAND FORKS 1:50,000 115-0/14
Sampled: 20-Jul-00 By: PL SJ
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0641	194641	593102	7095155	723	R	15	SK	ob	si cl	qms minor c	B
K-0642	194	593146.3	7095132		R	20		yb	si cl	qms minor c	B
K-0643	195	593191.1	7095117.2		S	20		yb	si cl	qms	B
K-0644	196	593232.9	7095092.7		S	20		b gb	si cl	q band carb s	A B
K-0645	197	593275.9	7095070.1	688	S	20		b yb	si cl	carb qte	A B
K-0646	198	593317.8	7095046.2		S	25		yb	si cl	qms minor c p	B
K-0647	199	593354.2	7095026.9		S+	20		b	si cl	qms p	A
K-0648	200	593407	7095009.4		S+	25		b	si cl	no rocks	A
K-0649	201	593454.7	7094988.1	628	S++	25		gb b	gr si cl	carb s	A B
K-0650	202	593489.2	7094967.6		S++	20		g yb	gr si cl	qms carb	A B
K-0651	203	593525.9	7094945.4		S++	25	org	gb	si cl gr	carb s	B
K-0652	204	593568.1	7094939.4		S++	25	org	black	cl	no rocks	black mud A
K-0653	205	593606.8	7094911.9	576	S	30	org	bl yb	gr si cl	qms	just before valley
K-0654	206	593655.6	7094878.7		S	25	org	yb	si cl	no rocks	other side creek
K-0655	207	593691.2	7094858.2		S++	35	PF org	b yb	si cl	ox qms	A B
K-0656	208	593731.2	7094846.8		S++	35	org	b yb	si cl	no rocks	A B
K-0657	209	593779.4	7094833.3	622	S++	40	org	b yb	si cl	qms	A minor B
K-0658	210	593822.1	7094813.1		S++	40	W	yb	si cl	qms lim	B
K-0659	211	593860.2	7094803.5		S++	35	PF W	yb	si cl	carb s	B
K-0660	212	593903.5	7094781.4		S++	40	minor org	yb gb	si cl	qms carb qte	B minor A
K-0661	213	593944.5	7094753.4	674	S++	15		yb	si cl	qms p	B
K-0662	214	593992.5	7094732.1		S+	15		yb	si cl	qms	B
K-0663	215	594029.8	7094713.5		S+	20		yb	si cl	qms p	B
K-0664	216	594084.8	7094703.2		S+	30	org	b yb	si cl	qms	boulders un moss
K-0665	217	594122.7	7094685.8	690	S++	15		yb	si cl	qms	B
K-0666	218	594165	7094658.3		S++	20		yb	si cl	qms	B
K-0667	219	594204.6	7094637.4		S++	25		yb	si cl	qms	B
K-0668	220	594245.3	7094603.9		S++	20		yb	gv si cl	qms	B
K-0669	221	594285.8	7094586	658	S++	45		b yb	si cl	no rocks	steep drop AB
K-0670	222	594340.8	7094556.6	635	S++	25	org	yb	si cl	qms	by creek B

-0.1	15	12	-0.1	14.1
-0.1	11	13	-0.1	8.55

K-0650
K-0672 for K-0650

K-0660
K-0673 for K-0660

COMMENTS:
ROCK VARIED LITTLE. MOSTLY qms WITH SOME
CARBONACEOUS SCHIST. PART OF NASSINA

0.11	4	172	-0.1	21.8
0.11	3	173	0.1	21.1
0.52	130	498	-0.1	8.39
0.57	110	458	0.14	12.2

K-0670
K-0674

0.53	38	50	-0.1	8.04
0.51	39	62	-0.1	9.85

K-0645
DUP-K-0645

0.13	1	100	-0.1	28.3
0.12	1	89	-0.1	31.5

K-0657
DUP-K-0657

0.11	39	62	-0.1	2.4
0.1	32	54	-0.1	2

K-0669
DUP-K-0669

0.1	20	22	-0.1	3.22
0.12	20	24	-0.1	3.88

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

TRAVERSE 25a GRAND FORKS 1:50,000 115-0/14

Sampled: 07-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.13	13	112	-0.1	8.02
0.13	11	236	0.11	40.9
-0.1	52	67	-0.1	1.88
-0.1	18	169	0.13	8.76
0.23	21	394	-0.1	21.6
-0.1	22	92	-0.1	3.95
-0.1	52	42	0.11	9.05
-0.1	33	38	-0.1	14.3
-0.1	52	42	0.11	9.05
-0.1	33	32	0.13	2.92
-0.1	52	67	-0.1	1.88
-0.1	59	70	0.1	1.64

K - 1144	1144	581024	7099058	465	S++	20	org	y b min	si cl	ox s	
K - 1145	1145	580986	7099085		S++	20	org	y b	si cl	3 / s tiny chips	
K - 1146	1146	580953	7099105		S++	20	org	y b	si cl	3 m carb/s lim	
K - 1147	1147	580905	7099148		S++	25	org	y b	si cl	ser /s bq e	myolitic
K - 1148	1148	580863	7099173	492	S++	25	org	y b	si cl	qte ser /s	
K - 1149	1149	580838	7099210		S+	25	org	ob	si cl	ocks all alt	oldtimers pit
K - 1150	1150	580790	7099242		R	20	org	y b	gr si cl	qte ser /s	
K - 1151	1151	580756	7099262	494	R	20	org	y b	si cl	ser /s bq e	weathered

K - 1150

K - 1152 dupl of K - 1150

COMMENTS:
Rocks similar throughout other than minor carbonaceous shist.

K 1146

DUP-K 1146

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

TRAVERSE 25b

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

Sampled: 07-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K - 1129	1129	581149	7097550	500	S++	15	org	y b	gr si cl	q ser s	
K - 1130	1130	581106	7097594		S++	20	org	b	si cl	q ser s lath like lim b?	mineralsubpar to fol
K - 1131	1131	581061	7097617		S++	25	org	y b	si cl	q ser s lath like lim	
K - 1132	1132	581048	7097670		S++	25	org	y b	si cl	qmc?i? s	intermediate volcanic
K - 1133	1133	581042	7097717	552	R	25	org	y b	si cl	qmc? s	
K - 1134	1134	580991	7097777		R	30	org	b y b	si cl	q ser s lim blebs /laths	
K - 1135	1135	580963	7097796		R	30	org	g y b	si cl	qte ser /s	
K - 1136	1136	580931	7097820		S	20	org	b y b	si cl	qte ser /s	lim blebs jointed
K - 1137	1137	580961	7097804	543	S	25	org	b y b	si cl	qv lim	
K - 1138	1138	580925	7097864		S	25	org	gb y b	si cl	qte ser /s	
K - 1139	1139	580909	7097891		S	20	w org	b y b	si cl	qms	
K - 1140	1140	580867	7098022		S	25	org	y b	si cl	qv	
K - 1141	1141	580868	7098009	534	S	25	org	b y b	si cl	qv lim	

COMMENTS:

T Ridge top between 1134, 1133 Cat pushed up rock piles similar to QMCS mapped. These rocks are silicified and very blocky. Possibly hornfelsed Similar to rocks at mouth of queen Gulch but not biotite.

0.43	31	51	-0.1	1.21
0.66	14	180	-0.1	2.37
0.27	124	172	-0.1	2.46
0.26	97	172	0.14	3.02
0.87	22	36	0.15	9.88
1	25	37	-0.1	9.4

K 1134
DUP-K 1134

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

TRAVERSE 28
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 03-Aug-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	3	209	0.11	27.3
0.27	665	278	-0.1	9.93
-0.1	12	84	-0.1	18.1
-0.1	6	34	0.12	18.8
-0.1	3	22	-0.1	11
-0.1	3	34	-0.1	7.87
-0.1	11	31	-0.1	5.08
-0.1	4	22	-0.1	4.91
-0.1	3	35	-0.1	4.03
-0.1	50	28	-0.1	3.43
-0.1	11	40	-0.1	6.28
-0.1	3	29	-0.1	10.3
-0.1	7	146	-0.1	14.2
-0.1	21	30	0.11	4.65
-0.1	25	42	-0.1	2.87
-0.1	11	39	-0.1	17.3
-0.1	18	46	-0.1	5.53
-0.1	10	23	-0.1	10.2
-0.1	4	220	-0.1	20.2
-0.1	10	30	0.12	5.44
-0.1	4	22	-0.1	4.91
-0.1	5	25	-0.1	5.96
-0.1	10	30	0.12	5.44
-0.1	9	26	-0.1	4.73

K-0710	254710	581653	7094489	583	30	20	org very dry	b	si cl	true qms	A?	-0.1	3	209	0.11	27.3
K-0711	254	581639.3	7094543		> 20	20	org moist	rb	si cl	qms p (lim)	B	0.27	665	278	-0.1	9.93
K-0712	255	581611	7094589		> 20	25	org	rb	si cl	qms ser	B	-0.1	12	84	-0.1	18.1
K-0713	256	581601.6	7094647		S	20	org	rb	si cl	qms	B	-0.1	6	34	0.12	18.8
K-0714	257	581583.8	7094676	626	S	25	minor org	rb	si cl	qte/qms lim Mn par to fol	B	-0.1	3	22	-0.1	11
K-0715	258	581555.3	7094718		S	20	org	rb	si cl	ser / qte p ox	B	-0.1	3	34	-0.1	7.87
K-0716	259	581526	7094764		S+	20	org	rb	si cl	q ser / qte	B	-0.1	11	31	-0.1	5.08
K-0717	260	581504.3	7094800		S+	25	org	rb	si cl	q ser s	B	-0.1	4	22	-0.1	4.91
K-0718	261	581479.6	7094841	628	S+	10	lots org	b yb	gv si cl	qte ser / s qv with...	brecciated p lim Mn	-0.1	3	35	-0.1	4.03
K-0719	262	581454.3	7094884		S+	15	sk	yb	si cl	qte ser / s	B	-0.1	50	28	-0.1	3.43
K-0720	263	581431	7094931		S+	30	org	yb	si cl gr	qte / qms p	10 m past/ ditchB	-0.1	11	40	-0.1	6.28
K-0721	264	581407.3	7094966		S+	30	org	yb	si cl	qte 3-5% lim? P	blue q eyesB	-0.1	3	29	-0.1	10.3
K-0722	265	581377.4	7095011	617	S+	20	org	rb	si cl gv	qte ser / s	blue eyesB	-0.1	7	146	-0.1	14.2
K-0723	266	581362.4	7095055		S+	15	org	yb	si cl gv	qte ser / s	B	-0.1	21	30	0.11	4.65
K-0724	267	581340	7095108		S+	20	org	yb	si cl	qms	tiny rock chipsB	-0.1	25	42	-0.1	2.87
K-0725	268	581328.2	7095144		S+	25	org	b yb	si cl	qms lim lathlike, min	perpen to folAB	-0.1	11	39	-0.1	17.3
K-0726	269	581311	7095188	613	S+	25	org	g yb	si cl	qte ser / s blue eyes f	phenocrystsAB	-0.1	18	46	-0.1	5.53
eoK-0727	270727	581289	7095234	643	S+	25	org	yb	si cl	qms	B	-0.1	10	23	-0.1	10.2
K-0728 for		K-0710										-0.1	4	220	-0.1	20.2
K-0729 for		K-0720										-0.1	10	30	0.12	5.44

K-0717
 DUP-K-0717

K-0729
 DUP-K-0729

Comments:
 Soil is dry & poorly developed. Rock is qms/ qte often with blue quartz eyes
 May be metamorphosed or intrusive. One sample had euhedral feldspar.

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

TRAVERSE 30 GRAND FORKS 1:50,000 115-0/14
Sampled: 04-Aug-00 By: pl sj
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0730	271730	582849	7095900	914	R	15		yb	si cl	qms	B	-0.1	10	21	0.1	2.8
K-0731	271	582875.1	7095852		R	15	org	gb yb	si cl	qv qms	AB	-0.1	12	14	-0.1	2.09
K-0732	272	582895	7095807		R	15	org	yb	si cl	with HEM c	B	-0.1	11	17	0.11	2.18
K-0733	273	582911.1	7095763		S	20		yb	si cl	v qms / ql	B	-0.1	14	16	0.11	2.66
K-0734	274	582935.3	7095715	894	S	15	org	yb	si cl	q ser s	B	-0.1	19	22	0.11	2.97
K-0735	275	582950.4	7095668		S	15	org	b	si cl	is ep p Hf	intrusive? B	-0.1	41	33	0.13	4.16
K-0736	276	582959.4	7095617		S	15		yb	si cl	qte ser p	intrusive? B	-0.1	33	46	-0.1	8.15
K-0737	277	582975.4	7095580		S+	20	org	b	si cl	qfp	A	-0.1	36	39	-0.1	10.9
K-0738	278	582978.4	7095534	865	S+	20	org	yb	si cl	weakly foli	B	-0.1	7	36	-0.1	11.2
K-0739	279	582997.5	7095488		S+	20	org	ob	si cl	HEM ep	B	-0.1	18	38	-0.1	14.9
K-0740	280	583017.1	7095444		S++	20	org	b yb	si cl	qte ser / s	AB	-0.1	25	27	-0.1	3.63
K-0741	281	583042.6	7095395		S++	25	org	b yb	si cl	qte ser / p	AB	-0.1	18	34	-0.1	5.3
K-0742	282	583058.5	7095351	814	S++	20	org	b	si cl	no rocks	B	-0.1	20	42	-0.1	4.72
K-0743	283	583077.1	7095312		S++	25	org	b yb	si cl	ser ep? H	intrusive? Very rock	-0.1	26	40	0.11	3.42
	284	no	sample too many					hornets								
K-0744	285	583120.9	7095224		S++	20	org	b yb	si cl	qte / ser	AB	-0.1	25	50	-0.1	9.49
K-0745	286	583124.5	7095171	781	S++	20	org	b yb	si cl	ser well f	AB	-0.1	11	38	-0.1	9.22
K-0746	287	583137.9	7095129		S++	25	org	b	cl	qte ser fol	A	-0.1	43	38	0.12	3.76
K-0747	288	583140.4	7095086		S++	30	W	yb	si cl	er f phenol	B.....(below)	0.12	36	66	-0.1	3.74
EOLK-0748	289	583163.8	7095044	780	S++	25	org	yb	si cl gr	ser / well fo	B	0.18	69	112	-0.1	13.9
K-0749 for K-0730												-0.1	10	23	-0.1	1.88
K-0750 for K-0740												-0.1	16	30	-0.1	5.27

K-0730
DUP-K-0730

K-0742
DUP-K-0742

NOTE :
K-0747 weakly foliated , very siliceous qfp?
Major vegetation from birch canopy
to heavy moss & spruce

-0.1	10	21	0.1	2.8
-0.1	10	20	-0.1	3.13
-0.1	20	42	-0.1	4.72
-0.1	20	42	-0.1	4.76

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

TRAVERSE 31 GRAND FORKS 1:50,000 115-0/14

Sampled: 2-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-1061	61	581934.1	7098093.4	718	S	25	org	y b	si cl	q m/s very rocky	dry	0.2	14	23	0.11	7.13
K-1062	62	581973.4	7098058.6		S	25	org	b y b	si cl	q m/s very rocky		-0.1	10	17	0.1	1.69
K-1063	63	582005.3	7098020.6		S	25	org	g b	gr si cl	qte m/s b qeyes	weakly lim	-0.1	8	13	-0.1	1.34
K-1064	64	582044	7097988.7		S+	25	org	g b y b	si cl	qte ser /s		-0.1	8	22	-0.1	3.24
K-1065	65	582084.1	7097952.1	739	S+	15		y b	si cl	no rocks	DRY	-0.1	6	17	-0.1	13
K-1066	66	582144.8	7097878.3		S++	20	sk org	r b	si cl	qte ser /smylonite ox p	very strong silicified	-0.1	6	40	-0.1	50.4
K-1067	67	582185.6	7097832.7		S++	20	org	y b	gr si cl	qms		-0.1	1	21	-0.1	4.83
K-1068	68	582209.1	7097790.9		S++	20		r b	cl si	qms lim crenulated		-0.1	2	42	0.1	2.38
K-1069	69	582229	7097743	730	S++	25	org	y b	gr cl si	q ser /s bqeyes qv		-0.1	5	59	-0.1	7.64
K-1070	70	582269.3	7097726.7		S++	25	org	b	si cl	qms ox crenulated		0.11	7	97	-0.1	6.69
K-1071	71	582305.5	7097667.9		S++	20	org	r b b	si cl	q ser /s		-0.1	4	28	-0.1	2.87
K-1072	72	582346.2	7097676.1		S++	25	org	y b	si cl	q ser /s		-0.1	7	27	-0.1	14
K-1073	73	582392.5	7097624.7	751	S++	25	org	b y b	si cl	no rocks		-0.1	7	28	-0.1	2.14
K-1074	74	582413.4	7097600.1		S++	25	org	b y b	si cl	q ser /s pyrolucite	b q eyes	-0.1	2	33	0.11	8.2
K-1075	75	582437.5	7097590.6		S++	25		y b	si cl	q ser /s pyrolucite		-0.1	4	27	-0.1	11
K-1076	76	582472.7	7097539.5		S++	25	org	r y b	si cl	q ser /s lim		-0.1	3	28	-0.1	5.42
K-1077	77	582510.3	7097516.6	759	S++	25	org	b y b	si cl	q ser /s lim blebs		-0.1	13	47	0.12	6.74
K-1078	78	582549.7	7097476.4		S++	20	org	b y b	si cl	q ser ox q eyes		-0.1	13	19	-0.1	5.38
K-1079	79	582585.7	7097437.3		S++	25	org	b y b	si cl	q ser /s b qeyes		-0.1	26	29	-0.1	3.31
K-1080	80	582622.1	7097401.1		S++	25	org	b y b	si cl	qte ser /s 20% qeyes		-0.1	15	35	-0.1	1.79
K-1081	81	582657	7097364	752	S++	25		y b	gr si cl	qte ser /s 20% qeyes	lim	-0.1	7	26	-0.1	4.68
K-1082	82	582688	7097332.3		S++	25	sk	y b	gv si cl	ox q ser /s		-0.1	13	16	-0.1	1.96
K-1083	83	582717.6	7097287.1		S++	25	org	b y b	gr si cl	ox qte qv ox		-0.1	10	15	-0.1	8.86
eolK-1084	84	582750	7097253	763	S++	35	moist	y b	si cl	ox s	heavy moss	0.34	17	52	0.12	8.48

K-1070

K-1085 dupl of K-1070

K-1080

K-1086 dupl of K-1080

K 1062

DUP-K 1062

K 1074

DUP-K 1074

K 1086

DUP-K 1086

Comments:

Rock is strongly silicified locally & has up to 20% q eyes locally.

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

TRAVERSE 36 GRAND FORKS 1:50,000 115-0/14
Sampled: 17-Aug-00 By: pl sj
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0855	855	584834.4	7093007	951	S	20	org	yb	gv si cl	q ser s	B	0.41	81	78	0.14	3.26
K-0856	856	584875.9	7092970		S	25		yb	si cl	q ser s lim patches	p? blebsB	0.17	10	16	-0.1	7.96
K-0857	857	584910.3	7092941		R	25		yb	si cl	q ser s lim patches	p? blebsB	0.2	8	26	-0.1	21.3
K-0858	858	584951.4	7092910		R	25		yb	si cl	q ser s lim patches	p? blebsB	0.81	16	26	0.11	44
K-0859	859	584986.8	7092876	959	R	25		yb	si cl	q ser s lim patches	very strong ser	-0.1	6	18	-0.1	13.4
K-0860	860	585027.1	7092843		S	25	org	b yb	si cl	qte ser /s p ox	strongly weathered	0.14	8	16	-0.1	12
K-0861	861	585066.2	7092808		S	25	org	b yb	si cl	qte ser /s strong hem	AB	0.11	2	19	0.11	4.34
										2-3% med euhedral p	strong ser					
K-0862	862	585105.3	7092779		S++	25	org	rb yb	si cl	qmcs LIM P	B	-0.1	1	24	0.11	33
K-0863	863	585143.3	7092747	918	S++	25	org	rb b	si cl	q ser c s	crenulatedB MINA	0.1	14	19	0.12	9.06
K-0864	864	585180.6	7092710		S++	25	org	rb yb	si cl	q ser c s	BA	0.13	-1	35	0.11	17.3
K-0865	865	585223.8	7092681		S++	20	org	rb	si cl	q ser s ox p	B	-0.1	11	13	-0.1	17.1
K-0866	866	585260.9	7092658		S++	20	org	yb	gr si cl	q ser s minor c	B	0.19	8	14	0.1	7.87
K-0867	867	585299.7	7092623	873	S++	25		b yb	si cl	q ser s	BA	0.2	14	28	-0.1	7.47
K-0868	868	585328.4	7092584		S++	20	org	b yb	si cl	q ser s euhedral p	BA	0.16	8	15	-0.1	3.11
K-0869	869	585369.3	7092560		S++	20	org	b yb	si cl	q ser s	BA	0.13	11	16	0.14	3.87
K-0870	870	585409.2	7092524		S++	30	org	b yb	si cl	q ser s	A MIN B	0.18	12	21	-0.1	1.66
K-0871	871	585448.7	7092492	837	S++	30	org	b yb	si cl	q ser s	AB	0.17	21	29	-0.1	5.99
K-0872	872	585491.8	7092456		S++	25	org	b yb	si cl	q ser s	AB	0.2	20	24	-0.1	2.92
K-0873	873	585522.5	7092422		S++	20		yb	si cl	q ser s	B	0.34	30	41	0.15	8.53
K-0874	874	585565.7	7092390		S++	25		yb	si cl	q ser s	B	0.18	13	30	-0.1	2.95
K-0875	875	585597.1	7092347	800	S++	25		yb	cl si	q ser s	B	0.11	20	24	0.15	6.26
K-0876	876	585631.9	7092316		S++	25	sk org	yb b	gr si cl	q ser s	B	-0.1	11	32	-0.1	9.35
K-0877	877	585663	7092286		S++	20		ob	si cl	q ser s lim	C	0.15	2	44	-0.1	12.8
eoK-0878	878	585702.9	7092250	764	S++	20	org	yb	gr si cl	q ser s crenulated	B	0.16	119	139	-0.1	4.15

K-0860
K-0879 duplicate for K-0860

K-0870
K-0880 duplicate for K-0870

COMMENTS:
In some areas sericite alteration is strong
& sulphides (limonitic blebs) can be up to 3%.

K-0859
DUP-K-0859

K-0871
DUP-K-0871

0.14	8	16	-0.1	12
-0.1	10	16	0.14	14.4
0.18	12	21	-0.1	1.66
-0.1	11	20	-0.1	1.4
-0.1	6	18	-0.1	13.4
-0.1	6	19	0.15	10.9
0.17	21	29	-0.1	5.99
0.12	21	26	-0.1	4.89

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

TRAVERSE 37
GRAND FORKS 1:50,000 115-0/14
Sampled: 24-Aug-00 By: pl sj
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0920	920	584096.4	7092017	933	R	15		yb	si cl	qte ser /s	B MIN A
K-0921	921	584141.4	7091985		R	15		yb	si cl	te ser /s c	B
K-0922	922	584179.6	7091953		R	20	org	b min yb	si cl	qte ser /s	A MIN
K-0923	923	584219	7091928		S	15	org	b yb	si cl	qte ser /s	AB
K-0924	924	584252.2	7091889	906	S++	15	org	b yb	si cl	qte ser /s	AB
K-0925	925	584292.6	7091863		S++	15	org	b yb	si cl	qv	AB
K-0926	926	584334.3	7091827		S++	20	org	b yb	si cl	ox s qv	AB
K-0927	927	584379.8	7091798		S++	15	org	b yb	si cl	ox s	AB
K-0928	928	584412.5	7091765	853	S++	15	org	b yb	si cl	te ser /s c	AB
K-0929	929	584444.3	7091729		S++	15		rb	si cl	qte ser /s	B
K-0930	930	584490.3	7091701		S++	15	org	b yb	si cl	qte ser /s	AB
K-0931	931	584526.9	7091669		S++	20	org	yb	si cl	no rocks	B
K-0932	932	584569	7091640	808	S++	20	org	yb	si cl	qte ser /s	B
K-0933	933	584604.1	7091607		S++	20	org	b yb	si cl	qte ser /s	AB
K-0934	934	584649	7091580		S++	20		ob	si cl	te ser /s q	B
K-0935	935	584692.4	7091552		S++	20		rb	si cl	qte ser /s	B
K-0936	936	584740.5	7091526	760	S++	15	W	yb	si cl	qv hem	B
K-0937	937	584770.8	7091501		S++	15		yb minb	si cl	qte ser /s	B MIN A
K-0938	938	584817.2	7091468		S++	15	org	b yb	gr si cl	qte ser /s	AB
K-0939	939	584853	7091429		S++	20	org	yb	si cl	ser /s fold	B
K-0940	940	584889.4	7091397	739	S++	25	org	b yb	si cl	qte ser /s	AB
K-0941	941	584939	7091381		S++	20	org	b yb	si cl	qte ser /s heavy moss.....	AB
K-0942	942	584976.9	7091345		S++	30	org	b yb	si cl	te ser /s q	AB
K-0943	943	585008.9	7091310		S++	25	org	b yb	si cl	qte ser /s	AB
K-0944	944	585043.8	7091271	701	S++	30	org	b yb	si cl	no rocks	AB
K-0945	945	585080.3	7091246		S++	25	org	b yb	si cl	no rocks	A MIN B
K-0946	946	585115.1	7091205		S++	20	org	b yb	si cl	te ser /s c	AB
K-0947	947	585138.6	7091203		S++	20	org	yb	gr si cl	qte ser /s	B
K-0948	948	585169.9	7091165	666	S++	20	org	b yb	si cl	te ser /s c	AB
eoK-0949	949	585226.8	7091122	635	S++>20	20	org	b yb	cl si	ser mylor	AB

-0.1	11	12	-0.1	2.51
-0.1	8	12	-0.1	2.76
-0.1	14	26	0.14	6.38
-0.1	14	30	0.12	4.08
-0.1	47	66	-0.1	2.5
-0.1	42	55	-0.1	1.34
-0.1	9	16	-0.1	4.04
-0.1	10	16	-0.1	4.39
-0.1	29	36	0.1	2.86
-0.1	31	36	-0.1	2.52
-0.1	8	12	-0.1	2.76
-0.1	9	10	-0.1	2.09

COMMENTS:

Rock is constant throughout there are no sulphides although some has weak limonite.

K-0926
DUP-K-0926

K-0938
DUP-K-0938

K-0950
DUP-K-0950

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

TRAVERSE 40 GRAND FORKS 1:50,000 115-0/14
Sampled: 10-Aug-00 By: PL SJ
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0825	825	588310.3	7091500	1048	S++	20	org	b 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	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	b yb	si cl	qte ser/s p ox	
K-0830	830	588477.2	7091691.2		S++	25	org	b 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	b 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	b yb	si cl	qms	
K-0836	836	588692.2	7091901.9		S++	25	org	b	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		b 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		b 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	

-0.1	16	21	-0.1	2.1
-0.1	14	17	-0.1	1.32

K-0830
K-0852 check K-0830

K-0840
K-0853 check K-0840

K-0850
K-0854 check K-0850

Comments:
Rocks v siliceous & green at top of hill, and white and weathered altered and more foliated and micaceous at bottom.

0.24	10	14	-0.1	34.7
0.25	11	16	-0.1	49.6
-0.1	6	11	-0.1	2.12
0.11	13	17	-0.1	3.06

K-0826	-0.1	11	17	0.11	0.74
DUP-K-0826	-0.1	7	13	-0.1	0.61
K-0838	0.73	8	28	-0.1	8.41
DUP-K-0838	0.64	9	29	-0.1	7.5
K-0850	-0.1	6	11	-0.1	2.12
DUP-K-0850	-0.1	7	12	-0.1	2.48

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
		EAST	NORTH	ELEV								
TRAVERSE 40(-80)		GRAND FORKS 1:50,000 115-0/14										
		Sampled: 10-Aug-00			By:	PL SJ						Analysis Unit
		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		

Scheme Code

3993

Analysis Unit

Au
ppb

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

TRAVERSE 45

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

Sampled: 14-Aug-00 By: pl sj

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

W-041	41	592031.7	7090357.9	763	>20	30	org	b yb	si cl	ox meta qte	AB
W-042	42	591992.7	7090367.5		>20	25	org	b yb	si cl	qms ox	AB
W-043	43	591953.1	7090381.2		>20	20	org	b yb	si cl	qm carb s	AB
W-044	44	591905.1	7090447.4		>20	25	org	b yb	si cl	carb qte	AB
W-045	45	591875.9	7090483	841	>20	25	org dry	y gb	cl si	qm carb s	B
W-046	46	591842.6	7090513.8		S++	30		bg yb	si cl	q ser s / qte	B
W-047	47	591805.1	7090545.6		S++	25	org	b yb	si cl	qms	AB
W-048	48	591774.6	7090580.6		S++	25		yb	si cl	qms	B
W-049	49	591735.4	7090607.5	897	S++	25	org	yb b	cl si	qte ser /s	AB
W-050	50	591699.9	7090640.6		S++	30		yb	si cl	qms	B
W-051	51	591666.3	7090665.8		S++	25		ob	si cl	qms	B
W-052	52	591636.9	7090697.3		S++	30		yb	si cl	qms	B
W-053	53	591592.4	7090725.4	955	S++	20		yb	si cl gr	qms / qte ox	B
W-054	54	591551.3	7090755.2		S++	20	org	yb	si cl	qte / s	B
W-055	55	591507.3	7090784.4	954	S++	20	org	ob	si cl	qte m /s	B

W-041

W-056 duplicate of W-041

W-050

W-057 duplicate of W-050

0.47	5	733	0.11	28.5
0.55	6	975	0.14	43.4
0.28	5	13	0.14	20.5
0.16	6	16	-0.1	14.5
0.15	5	11	-0.1	9.34
0.17	5	10	0.11	10.8

W-049
DUP-W-049

Peter Comments
ROCK IS QUITE WEATHERED IN ALL AREAS. SILICIFIED
SCHIST
CARBONACEOUS AT LEAST IN ONE LOCATION AT BOTTOM
OF HILL
AT TOP OF HILL THERE IS A LOT OF BULL QUARTZ WITH POSSIBLE BARITE

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

TRAVERSE 46
GRAND FORKS 1:50,000 115-0/14
Sampled: 14-Aug-00 By: pl sj
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

W-028	28	591278.8	7090172.5	847	S++	25	org	yb	gr cl si	qms	B
W-029	29	591321.1	7090130.1		S++	20	org	yb	gr cl si	qms	B
W-030	30	591369.2	7090098		S++	20	W	yb	si cl	qms	B
W-031	31	591406.2	7090066.8		S++	20	W	yb	si cl	no rocks	B
W-032	32	591438.1	7090035.9	824	S++	20	moist	yb rb	si cl	qms	THN B C
W-033	33	591483.1	7090009.7		S++	20	sk	ob	si cl	q ser s	MINB C
W-034	34	591524.4	7089982.9		S++	25		light grey	si cl	q ser s	COMMENTS
W-035	35	591565.4	7089951.7		S++	25	org	yb	gr cl si	q ser s	B
W-036	36	591606	7089930.8	770	S++	25	org	yb	gr cl si	no rocks	B
W-037	37	591647.1	7089899.7		S++	25	org	gb	gr cl si	q carb s	B
W-038	38	591687.9	7089866.3		>20	25	dry	yb	cl si gr	qv qms	B
W-039	39	591724.8	7089836.2	727	>20	40	org	b yb	si cl	qms c?	tiny chipsA MINB

W-030	0.12	3	16	-0.1	8.36
W-040 duplicate of	-0.1	6	17	0.15	11.1
	0.8	15	443	-0.1	51.5
	0.94	11	476	0.14	59.6

W-037
DUP-W-037

Peter Comments
Weathered rocks. All silicified qtz musc / ser schist
with some carbonaceous schist at bottom of hill.

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

TRAVERSE 47
GRAND FORKS 1:50,000 115-0/14
Sampled: 15-Aug-00 By: pl sj
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

W-075	75	593810.2	7089620.6	803	S++	20		y b	si cl	qmcs	B
W-076	76	593758.7	7089652.5		S++	25		y green b	si cl	qmcs	B
W-077	77	593712.7	7089686.5		S++	20	org	y b	si cl	qmcs	B
W-078	78	593702.4	7089712.5		S++	15	org	rb	si cl	c q s mag	B
W-079	79	593662.4	7089737.5	899	S++	20	org	rb	si cl	c q s mag	euهدralB
W-080	80	593623.9	7089768.2		S++	20	org	rb	si cl	bandid meta qte lim p	B
W-081	81	593588.2	7089807.2		S++	20		y b	si cl	cs bull q	B
W-082	82	593552.4	7089840.7		S++	20		y b	gv gr si cl	matitic granodite qm	B
W-083	83	593509.4	7089861	929	S++	20	org	rb	si cl	qmcs qfp granodite	fine grained B
W-084	84	593478.1	7089890		S++	25	org	rb	si cl	cqs qv	B
W-085	85	593446.2	7089923.2		S++	25	org	b yb	si cl	q ser s c	MIN A B
W-086	86	593407.2	7089953.6		S++	25	org	r yb	si cl	q ser s	B
W-087	87	593371.7	7089979.5	980	S++	25	sk org	y b	gr gv cl si	bandid meta qte p	B
W-088	88	593333.1	7089999.4		S++	20	org	b yb ob	gr si cl	q ser s c	thin profileABC
W-089	89	593295	7090034.1		S++	20	sk	y b b	gv si cl	q ser s	thin profileCminAB
W-090	90	593266.9	7090077.5	1009	S++	20		gb yb	si cl	indid meta qte qv he	AB

-0.1	22	23	0.13	27.3
0.15	17	19	-0.1	19.3
-0.1	5	15	-0.1	7.23
0.14	6	16	-0.1	11.1
-0.1	8	21	0.11	9.74
0.11	7	22	0.14	8.83

W - 080
W-091 duplicate of W - 080

W-090
W-092 duplicate of W-090

Comments:
There must be a granodiorite dyke running between lines 47 48
since the g'dte occurrence is thin. What is mapped as
metaqte may represent a chill zone. Bottom of hill has poor
GPS response. This is why sample interval is not consistent locally.
Hip chain was used subsequently.

W-085
DUP-W-085

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

TRAVERSE 48

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

Sampled: 15-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

W-058	58	592857.7	7089647.2	930	S+	20	org	rb b	si cl	no rocks	B MIN A
W-059	59	592895.4	7089608.2		S++	15	org	rb yb	si cl	q c s ox	B
W-060	60	592932.8	7089571.8		S++	20	org	b yb	si cl	qv carb qte	AB
W-061	61	592973.4	7089543.6		S++	20	org	b yb	si cl	qms	AB
W-062	62	593012	7089510.6	905	S++	25	org	b yb	gr si cl	qcs	B MIN A
W-063	63	593056.8	7089476		S++	30	org	greenb b	gr si cl	qcs	C? MIN A
W-064	64	593093.1	7089450.4		S++	20		yb	si cl	qcs magnetite	B
W-065	65	593134.1	7089407.9		S++	20	org	yb	si cl	qcs	B
W-066	66	593167.6	7089380.1	841	S++	25		rb	si cl	meta qte?	B
W-067	67	593221.7	7089332.7		S++	25	org	b yb	si cl	granodite phyroxene ox	qf fine/med grained
										AB	magnetite
W-068	68	593238.4	7089308.1		S++	20	org	yb	si cl	granodite phyroxene ox	qf fine/med grained
										B	magnetite
W-069	69	593291	7089239.6		S++	20	org	yb	si cl	granodite phyroxene ox	qf fine/med grained
										on top of ground cs	magnetite B
W-070	70	593314	7089229	GPS unrely	S++	20	org	b yb	si cl	qcs	AB
W-071	71	593337.2	7089202.1		S++	20	org	b yb	si cl	no rocks	AB
W-072	72	593386	7089161	775	S++	25	org	b ob	si cl	granodite phyroxene ox	qf fine/med grained

W-060

W-073 duplicate of

W-060

SEE COMMENTS FOR LINE 47

W-070

W-074 duplicate of

W-070

0.27

W-061
DUP-W-061

W-073
DUP-W-073

0.25	3	21	-0.1	108
-0.1	3	27	0.14	25.5
0.56	2	114	-0.1	13.6
0.22	1	322	-0.1	33.4
0.16	6	106	0.11	45
0.33	8	124	-0.1	45.4
0.22	6	101	-0.1	30
0.19	9	31	-0.1	14.3
0.26	3	48	-0.1	18.2
0.59	2	444	0.14	30.8
0.14	21	133	-0.1	33
0.14	14	22	-0.1	17
0.27	2	222	-0.1	40.6
-0.1	2	50	-0.1	18.1
0.28	2	422	-0.1	18.2
0.56	2	114	-0.1	13.6
0.49	2	133	0.12	10.9
2	222	-0.1	40.6	
0.31	3	194	-0.1	31
0.22	1	322	-0.1	33.4
0.2	2	340	0.12	39.5
0.49	2	133	0.12	10.9
0.65	2	133	0.12	13.4

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 50		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 28-Aug-00		By:	pl sj						
		Sample Interval (m): 50									
K-0953	953	590953.3	7094471	555	S	15	org	y b	gr s si	qv	
K-0954	954	590901.5	7094473.1		S	15	org	b yb	gr si cl	no rocks	
K-0955	955	590852.3	7094472.8		S	15	org	b yb	gr s si	qms ox	
K-0956	956	590801.4	7094479.7		S	15	org	b yb	gr s si	qms ox	
K-0957	957	590753.8	7094478.9	576	S	15	org	b yb	gr s si	qms qv p	
K-0958	958	590701.3	7094478.6		S	15	org	b yb	gr s si	qv ox s	
K-0959	959	590646.6	7094479.4		S+	15	org	b yb	gr cl si	qms ox	
K-0960	960	590602.3	7094473.3		S+	25	org	b yb	gr si cl		
K-0961	961	590551.2	7094468.3	624	S+	25		y b	si cl	qv qms ox	
K-0962	962	590505	7094484.3		S+	25		y b min b	si cl	qv ox ?	
K-0963	963	590449.9	7094500		S+	20	org	y b	gr si cl	qte m/s	
K-0964	964	590396.9	7094488.9		S+	25	org	y b	si cl	qte ox	
K-0965	965	590348.8	7094486.3	655	S	35	org	g yb	si cl	no rocks	heavy moss
K-0966	966	590301.5	7094495.7		S	25	org	g yb	si cl	ox s	
K-0967	967	590249.7	7094479.9		S+	20	org	g yb	gr si cl	qms	
K-0968	968	590199.2	7094471.8		S+	25	org	g yb	si cl	qte m/s ox	
K-0969	969	590148.6	7094476.4	683	S+	15		y b	si cl	qms	
K-0970	970	590101.9	7094473.8		S+	30	org	y b	si cl	qms qv	
K-0971	971	590052.3	7094477.8		S+	20	org	y b	si cl	qms ox	
K-0972	972	589997.8	7094472.6		S+	20	org	y b	gr cl si	qms qv p	
K-0973	973	589950.5	7094464.7	729	S+	20	org	y b	si cl	q ser /s	
K-0974	974	589900.3	7094445.9		S+	20	org	gb b	si cl	qte ser /s	
K-0975	975	589847.2	7094437.8		S+	15	org	b yb	gr si cl	qms ox	
K-0976	976	589796.6	7094441.1		S+	20	org	b minyb	gr si cl	qte ser/s	
K-0977	977	589748.7	7094433.1	754	S+	20		y b	gr gv si cl	qte ser/s	
K-0978	978	589700.2	7094439.5		S+	20		y b	gr si cl	qte ser/s	bleached
K-0979	979	589652.7	7094435.2		S++	20		y b	si cl	qte ser/s	
K-0980	980	589599.6	7094436		S++	20	org	b yb	si cl	qte ser/s	
K-0981	981	589552.1	7094433.5	787	S++	25	org	g yb	gv si cl	qm carb s	
K-0982	982	589501.8	7094454.8		S++	20	org	y b	s cl si	qte ser /s ox	
K-0983	983	589451.8	7094430		S++	25	org	b yb	si cl	qte ser /s	
K-0984	984	589403	7094434.6		S++	25	sk org	y b	gr si cl	qte ser /s	
K-0985	985	589347.9	7094440.2	840	S++	20		y b	si cl	no rocks	
K-0986	986	589298.6	7094465.1		S++	35		y b	si cl	qte ser /s ox	
K-0987	987	589251.8	7094466.7		S++	30	org	y b	si cl	qte ser /s ox	
K-0988	988	589201.6	7094455.1		S++	25		y b	si cl	qte ser /s ox	
K-0989	989	589151.8	7094453.1	877	S++	25	sk	y b	si cl	qte ser ox hem	
K-0990	990	589103	7094449.3		S++	25		y b	si cl	qte ser/s ox blebs p?	
K-0991	991	589051.9	7094441.3		S++	20		y b	si cl	qv hem qte carb s	folded
K-0992	992	589001.1	7094447		S++	20		y b	si cl	qte ser / s	
K-0993	993	588951.1	7094455.8	925	S+	25		y b	si cl	qv qte ser/s	
K-0994	994	588896.7	7094447.6		R	10	sk	o	gr si cl	qte ser/s ox	
K-0995	995	588851.6	7094463.1		R	25	sk org	rb	gr si cl	no rocks	
K-0996	996	588801.4	7094469.4		S	15		y ob	si cl	qte /s fg Mt q eyes	intrusive, pink
K-0997	997	588752.7	7094472.2		S++	20	org	y b gb	si cl	qte ser /s	
K-0998	998	588697.2	7094464.7	867	S++	25	org	y b	si cl	q ser /s qv hem	

Scheme Code
Analysis Unit
Detection Limit

Au MMI-B ppb	Co MMI-B ppb	Ni MMI-B ppb	Pd MMI-B ppb	Ag MMI-B ppb
0.1	1	3	0.1	0.1
-0.1	7	44	0.13	8.51
-0.1	16	69	-0.1	9.46
0.1	20	258	-0.1	8.94
-0.1	6	40	-0.1	8.35
-0.1	23	40	-0.1	12.5
-0.1	8	47	-0.1	7.25
-0.1	12	38	-0.1	22.8
-0.1	9	28	-0.1	6
0.14	21	49	-0.1	3.42
-0.1	12	30	0.11	1.71
-0.1	9	26	-0.1	1.72
-0.1	12	23	-0.1	2.34
-0.1	10	28	-0.1	2.93
-0.1	27	29	0.14	6.08
-0.1	12	23	-0.1	4.65
-0.1	7	21	-0.1	2.36
-0.1	9	18	-0.1	1.74
-0.1	13	20	0.11	2.27
-0.1	6	21	-0.1	1.35
-0.1	17	25	0.13	2.55
-0.1	10	16	-0.1	1.39
-0.1	13	34	-0.1	1.84
-0.1	5	24	-0.1	3.63
-0.1	12	30	-0.1	3.53
0.31	56	37	0.13	4.76
-0.1	14	18	-0.1	2.52
-0.1	12	38	-0.1	3.94
0.13	49	134	0.1	6.11
-0.1	30	69	0.14	15.9
0.13	17	29	0.12	5.96
0.16	18	27	-0.1	5.29
-0.1	13	22	-0.1	3.93
0.16	11	27	-0.1	1.99
0.13	38	142	-0.1	6.46
0.16	24	37	0.14	2.54
-0.1	16	32	-0.1	2.79
-0.1	16	20	0.14	0.9
0.1	9	15	-0.1	1.91
-0.1	1	14	0.15	2.93
-0.1	2	17	-0.1	3.71
-0.1	3	12	-0.1	2.94
-0.1	-1	12	-0.1	2.13
-0.1	2	20	-0.1	3.87
-0.1	2	13	-0.1	1.65
-0.1	3	18	-0.1	5.78
-0.1	11	14	-0.1	2.87

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

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

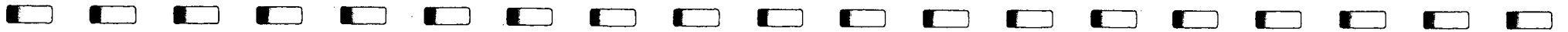
Scheme Code

K0960												Au MMI-B	Co MMI-B	Ni MMI-B	Pd MMI-B	Ag MMI-B
K-0999 dupl of	K0960											-0.1	9	28	-0.1	6
												-0.1	14	31	0.13	7.68
K-0970												-0.1	13	20	0.11	2.27
K-1000 dupl of	K-0970											-0.1	10	22	0.13	1.68
K-0980												0.13	49	134	0.1	6.11
K-1001 dupl of	K-0980											0.24	43	59	-0.1	6.22
K-0990												0.1	9	15	-0.1	1.91
K-1002 dupl of	K-0990											0.18	6	21	-0.1	2.35
K-0962												-0.1	12	30	0.11	1.71
DUP-K-0962												0.13	14	27	0.12	1.81
K-0974												-0.1	13	34	-0.1	1.84
DUP-K-0974												-0.1	15	21	-0.1	1.89
K-0986												0.13	38	142	-0.1	6.46
DUP-K-0986												0.14	38	168	-0.1	6.36
K-0998												-0.1	11	14	-0.1	2.87
DUP-K-0998												0.15	10	13	-0.1	2.54

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 52		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 04-Sep-00		By:	pt sj						
		Sample Interval (m): 50									
K-1087	87	582138.5	7099867.8	628	S	20		b gb	gr cl si	carb qte /s	
K-1088	88	582148.5	7099819		S	25	org	b yb	si cl	no rocks	
K-1089	89	582162.3	7099772.7		S	25		g yb	si cl	carb qte /s	
K-1090	90	582183.7	7099728.4		S	25		b gb	gr si cl	carb qte /s	
K-1091	91	582219.9	7099686.3	654	S	20		b min gb	si cl	carb qte /s p	
K-1092	92	582232.7	7099641.8		S	20		gb yb	si cl	carb qte /s	
K-1093	93	582256.6	7099589.2		S	25		b yb	si cl	carb /s	
K-1094	94	582276.8	7099549.1		S	25	org	y gb	si cl	qm carb s	
K-1095	95	582306.1	7099503.2	684	S	25	org	y gb	si cl	qm carb s	
K-1096	96	582310	7099446.5		S	25	org	byb	si cl	no rocks	
K-1097	97	582334.8	7099410.7		S	25	org	byb	si cl	qv hem	
K-1098	98	582354.7	7099361.6		S	25	org	byb	si cl	q m carb s	tiny chips
K-1099	99	582377.2	7099323.9	704	S	25	org	byb	si cl	no rocks	
K-1100	100	582397	7099270		S	25	org	b gyb	si cl	q m carb s	
K-1101	101	582419.4	7099228.1		S	25		b yb	si cl	q m carb s	
K-1102	102	582441.2	7099187.5		S	25	org	b yb	si cl	no rocks	
K-1103	103	582458	7099135.9	707	S	25		yb	si cl	q m carb s	
K-1104	104	582486.7	7099094.8		S	25	org	b yb	si cl	q m carb s	
K-1105	105	582500.1	7099043.1		S	25	org	b yb	si cl	no rocks	
K-1106	106	582531.1	7099002.7		S	25	org	b yb	si cl	q m carb s	
K-1107	107	582539.2	7098953.8	716	S	25	org	b ob	si cl	qte ser / s	crenulated
K-1108	108	582543.7	7098893.5		S	20		ob	gr gv si cl	q m s carb minor	lim blebs
K-1109	109	582572.3	7098856		S	20		g	gr cl si	q carb s lim blebs	
K-1110	110	582597.1	7098820.2		S	20	org	g yg	gr si cl	q carb s	
K-1111	111	582624	7098776	730	S	25	org	gb yb	gv sil cl	no rocks	
K-1112	112	582643.7	7098725.2		S	40		gb yb	gr si cl	q m carb s	
K-1113	113	582671.1	7098683.4		S	30	wet	g	gv gr si cl	qte carb	
K-1114	114	582697.6	7098642.9		S	30	org	yb gb	si cl	qms ox	
K-1115	115	582734.6	7098603.2	738	S	40	w org	ygb	si cl	qms	
K-1116	116	582749.1	7098552.7		S+	40	org	gb b	gr si cl	qms q carb s	
K-1117	117	582769.4	7098510.2		S+	30	org	gyb	si cl	qm carb s	
K-1118	118	582803.6	7098466.3		S++	35	org	gb	gr si cl	q carb s	
K-1119	119	582819	7098450.5	745	S++	30		g	gr si cl	q carb s	
K-1120	120	582841.9	7098379.4		S++	25	org	bgb	si cl	q m carb s	
K-1121	121	582864.1	7098330.9		S++	35	org	b yb	si cl	qte m /s ox	
K-1122	122	582891	7098289.8		S++	20		yb	gv sil cl	qms ox	
K-1123	123	582912.4	7098243.1		S++	40	org	yb	gr si cl	qms	
colK-1124	124	582948.2	7098182.5	761	S++	20	org	ygb	gr si cl	jms carb m lim blebs	

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	42	-0.1	22.8
-0.1	15	24	-0.1	8.71
-0.1	18	31	-0.1	41.3
-0.1	34	37	0.14	13.6
-0.1	32	34	-0.1	8.11
-0.1	8	30	0.14	21
-0.1	17	28	-0.1	38.2
-0.1	26	33	-0.1	10.9
-0.1	13	29	-0.1	14.9
-0.1	11	27	-0.1	11.8
-0.1	16	22	-0.1	11.7
-0.1	14	32	-0.1	30.5
-0.1	12	26	0.11	23.8
-0.1	14	36	-0.1	40.3
0.16	13	23	-0.1	43.9
-0.1	17	22	-0.1	27.1
-0.1	20	34	-0.1	26.4
0.13	12	27	-0.1	178
-0.1	21	23	-0.1	15.8
-0.1	8	27	0.11	147
-0.1	8	14	0.12	0.68
-0.1	14	25	0.12	18.7
-0.1	9	44	0.14	23.6
-0.1	10	21	0.12	88.4
0.36	2	243	-0.1	48.9
-0.1	26	38	-0.1	5.16
-0.1	71	226	-0.1	7.75
-0.1	14	38	0.12	7.24
-0.1	9	29	0.12	3.74
-0.1	51	107	0.11	4.55
-0.1	20	75	-0.1	20.9
0.2	16	47	-0.1	20
-0.1	17	49	-0.1	17.9
-0.1	9	24	-0.1	0.73
-0.1	23	31	-0.1	1.19
-0.1	34	37	0.1	2.22
-0.1	23	41	0.12	4.04
-0.1	22	36	-0.1	5.68



K-1125 for	0.1	29	48	0.14	21.2
K-1126 for	-0.1	10	15	0.12	28.2
K-1127 for	0.14	8	32	-0.1	242
K-1128 for	-0.1	24	35	-0.1	3.99
DUP-K 1098	-0.1	14	32	-0.1	30.5
DUP-K 1098	0.15	15	35	-0.1	33.7
DUP-K 1110	-0.1	10	21	0.12	88.4
DUP-K 1110	0.15	11	23	-0.1	100
DUP-K 1122	-0.1	34	37	0.1	2.22
DUP-K 1122	-0.1	33	38	0.1	2.68

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au MMI-B ppb	Co MMI-B ppb	Ni MMI-B ppb	Pd MMI-B ppb	Ag MMI-B ppb	
TRAVERSE 57		GRAND FORKS 1:50,000 115-0/14																
		Sampled: 12-Aug-00			By: pl sj													
		Sample Interval (m): 50																
												Analysis Unit	0.1	1	3	0.1	0.1	
												Detection Limit						
W-001	1	595260.7	7085792.2	1098	S++	15	org	b yb	si cl	qms q - sacharodal			-0.1	8	16	0.13	0.92	
W-002	2	595219.1	7085762.9		S++	15	dry org	b yb	si cl	qv qms q - sacharodal			-0.1	3	18	0.15	1.54	
W-003	3	595176.9	7085737.1		R	25	org	ob	si cl	qms fc	ox blebs		-0.1	1	10	0.11	4.9	
W-004	4	595139.1	7085699		R	25	dry	ob	si cl	q c s f ? Crenulated			-0.1	2	8	-0.1	0.85	
W-005	5	595096.5	7085677.8	1072	S++	25	dry	ob gb	si cl	ox q c s			-0.1	5	11	-0.1	1.03	
W-006	6	595045.3	7085661.9		S++	20		ob gb	si cl	q carbonate vien qcs			0.32	6	90	0.11	21.7	
W-007	7	594994.5	7085641.8		S++	25	dry org	ob	si cl	qms c blebs qv	very weatherd		-0.1	3	9	0.14	2.89	
W-008	8	594953.2	7085630.5		S++	25		rb	si cl	qmcs phylolousite			-0.1	3	23	-0.1	2.83	
W-009	9	594907.1	7085610	1041	S++	25	org	ob	si cl	q ser minor c s	epidote on joints		0.1	4	14	0.15	9.65	
										with brown smokey q								
W-010	10	594855.6	7085589.3		S++	25		ob	si cl	qfp argilic alterations			-0.1	3	17	-0.1	1.18	
W-011	11	594815.9	7085566		S++	20	sk org	gb ob	gr si cl	with brown smokey q			-0.1	4	12	-0.1	1.35	
W-012	12	594766.9	7085547.6		S++	25	moist	ob gb	si cl	qcs			-0.1	9	17	-0.1	0.99	
W-013	13	594718.6	7085533.1	997	S++	25		ob	si cl	qms			-0.1	4	19	-0.1	20.8	
W-014	14	594676	7085511.9		S++	25		ob	si cl	qms selisified			-0.1	4	21	0.14	6.83	
W-015	15	594638.6	7085469.6		S++	15	org	b ob	si cl	q ser s			-0.1	6	16	0.13	3.06	
W-016	16	594594.6	7085449.8		S++	15	org	gb yb	si cl	qms			-0.1	6	17	0.14	13.7	
W-017	17	594547.6	7085418.5	955	S++	15	org	ob	si cl	no rock			-0.1	2	24	-0.1	9.53	
W-018	18	594509.5	7085395.8		S++	15	org	ob	si cl	qmcs			-0.1	6	23	0.13	6.39	
W-019	19	594464.3	7085366.2		S++	15		ob	si cl	no rock			-0.1	2	24	-0.1	25.8	
W-020	20	594417.1	7085355.8		S++	25	org	ob	cl si	qmcs			-0.1	11	18	0.13	4.06	
W-021	21	594367.2	7085332.8	896	S++	20		ob	cl si	q ser s bleached			0.24	4	55	-0.1	6.19	
W-022	22	594323.9	7085308.8		S++	25		yb	si cl	qms bleached			-0.1	6	36	-0.1	5.28	
W-023	23	594274.8	7085301.4		S++	25		yb green b	si cl	qte strongly selisified	qms milenite?		0.16	63	69	-0.1	2.77	
W-024	24	594223.6	7085285.5		S++	15		yb	si cl	qms			0.11	12	55	0.12	2.17	
W-025	25	594194.8	7085237.3	866	S++		org	yb	si cl	qmcs			-0.1	6	39	0.13	14.6	
Peter Comments																		
Entire line is QMS or CHLORITE QTZ SCHIST with the																		
exception of QTZ																		
field porphyry which has argillic alteration & smokey QTZ.																		
This rock																		
is exactly like QFP on Hunker E of 54 pup																		
W-001													-0.1	8	16	0.13	0.92	
DUP-W-001													-0.1	8	15	0.11	0.78	
W-013													-0.1	4	19	-0.1	20.8	
DUP-W-013													-0.1	5	18	-0.1	18.5	
W-025													-0.1	6	39	0.13	14.6	
DUP-W-025													-0.1	7	50	0.11	12	

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 57(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 12-Aug-00		By:	pl sj						
		Sample Interval (m): 50									
W-001	1	595260.7	7085792.2	1098	S++	25	org	gb ob	si cl	qms q - sacharodal	
W-002	2	595219.1	7085762.9		S++	25	dry org	ob gb	si cl	qv qms q - sacharodal	
W-003	3	595176.9	7085737.1		R	25	org	ob	si cl	qms fc	ox blebs
W-004	4	595139.1	7085699		R	25	dry	ob	si cl	q c s f ? Crenulated	
W-005	5	595096.5	7085677.8	1072	S++	25	dry	ob gb	si cl	ox q c s	
W-006	6	595045.3	7085661.9		S++	20		ob gb	si cl	q carbonate vien qcs	
W-007	7	594994.5	7085641.8		S++	25	dry org	ob	si cl	qms c blebs qv	very weatherd
W-008	8	594953.2	7085630.5		S++	25		rb	si cl	qmcs phylrolousite	
W-009	9	594907.1	7085610	1041	S++	25	org	ob	si cl	q ser minor c s	epidote on joints
										with brown smokey q	
W-010	10	594855.6	7085589.3		S++	25		ob	si cl	qfp argilic alterations	
W-011	11	594815.9	7085566		S++	20	sk org	gb ob	gr si cl	with brown smokey q	
W-012	12	594766.9	7085547.6		S++	25	moist	ob gb	si cl	qcs	
W-013	13	594718.6	7085533.1	997	S++	25		ob	si cl	qms	
W-014	14	594676	7085511.9		S++	25		ob	si cl	qms selisified	
W-015	15	594638.6	7085469.6		S++	20	org	b ob	si cl	q ser s	
W-016	16	594594.6	7085449.8		S++	25	org	gb yb	si cl	qms	
W-017	17	594547.6	7085418.5	955	S++	20	org	ob	si cl	no rock	
W-018	18	594509.5	7085395.8		S++	25		ob	si cl	qmcs	
W-019	19	594464.3	7085366.2		S++	25		ob	si cl	no rock	
W-020	20	594417.1	7085355.8		S++	25	org	ob	cl si	qmcs	
W-021	21	594367.2	7085332.8	896	S++	20		ob	cl si	q ser s bleached	
W-022	22	594323.9	7085308.8		S++	25		yb	si cl	qms bleached	
W-023	23	594274.8	7085301.4		S++	25		yb	si cl	qte strongly selisified	qms milenite?
W-024	24	594223.6	7085285.5		S++	25		yb	si cl	qms	
eoIW-025	25	594194.8	7085237.3	866	S++	25		yb	si cl	qmcs	

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

TRAVERSE 58
GRAND FORKS 1:50,000 115-0/14
Sample Interval (m): 50
Sampled: 26-Aug-00 By: pl sj

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

W-093	93	593799.6	7087347.5	1022	R	15		ob gb	gr si cl	q ser s folded	
W-094	94	593747.3	7087351.9		R	20		yb	si cl	qv bull q	
W-095	95	593699.4	7087358.9		R	20		g yb	si cl	qms	
W-096	96	593647.5	7087359.1		S+	30		yb	si cl	qmcs	
W-097	97	593597.7	7087360	1016	S+	30	org	g yb	si cl	qms	
W-098	98	593550.8	7087359.2		S+	30	org	b min gb	si cl	qv barite?	
W-099	99	593499.3	7087363.1		S+	25	org	b yb	si cl	q ser s qv	
W-100	100	593449.7	7087365.8		S+	20	org	g yb	si cl	qms	c or b secondary
W-101	101	593401.2	7087375.7	1016	S+	25		g yb	si cl	qte ser /s	
W-102	102	593352.2	7087376		S+	20	org	g min yb	si cl	qte q eyes minor ser	
W-103	103	593297	7087396.5		S+	20	org	grb yb	si cl	qcs garnets?	
W-104	104	593250.6	7087417.3		S+	20	org	grb yb	gr si cl	qcs	
W-105	105	593207.5	7087431.5	1015	S+	20	org	b yb	si cl	qcs	
W-106	106	593159.2	7087433.7		S+	20	org	yb	si cl	qcs	
W-107	107	593111.3	7087465.7		S+	25	org	b yb	si cl	qcs fe carb?	
W-108	108	593067	7087495.5		S+	20	org	b yb	si cl	qte m /s	
W-109	109	593022.7	7087515.1	974	S+	20		yb	gr si cl	q m c s	
W-110	110	592989.5	7087531.5		S++	30	org	yb grb	si cl	qcs	
W-111	111	592933.8	7087553.8		S++	15	sk org	yb	gr si cl	qte ser mylonite	
W-112	112	592888.9	7087574.6		S++	20		yb	si cl	qcs q eyes	
W-113	113	592842.7	7087596.5	929	S++	25	org	grb yb	si cl	qcs crenulated fg c	c / amphibole
W-114	114	592796.6	7087603.5		S++	30	sk	grb yb	si cl	qcs	poor dev soil
W-115	115	592745	7087622.9		S++	30	sk	yb	si cl	qcs	
W-116	116	592691.9	7087636.9		S++	30	org	grb yb	si cl	qcs euhedral fg p ox	
W-117	117	592642.7	7087652.8	903	S++	25		yb	gr si cl	qcs	
W-118	118	592598.7	7087660.5		S++	30	org	b yb	si cl	qcs	
W-119	119	592550.2	7087680		S++	30	org	yb	si cl	qmcs folded	
W-120	120	592507.4	7087700.8		S++	20	sk org	yb	si cl	qmcs	
W-121	121	592455	7087718	877	S++	25	sk org	rb	gr si cl	qcs	
W-122 for		W-100									
W-123 for		W-110									
W-124 for		W-120									

Peter's Comments
At sample 101 & 102 the qte/s is slightly coarser grained & may possibly be intermediate dyke. Downslopes of this rock remains a c/q s in some varying m. with occasional silicified to mylonitic shist.
NOTE: gr = green

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

TRAVERSE 59 GRAND FORKS 1:50,000 115-0/14

Sampled: aug17,23

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0881	881	583597.8	7091288.4	916	R	35	org	b yb	cl si	qmp mylonite	AB
K-0882	882	583637	7091255.8		R	20		g yb	si cl	q ser my p	AB
K-0883	883	583671.2	7091226.8		R	20		yb	si cl	q ser my	B
K-0884	884	583706.5	7091188.4		R	20		ob	gr cl si	q ser my p	C MIN A
K-0885	885	583744.9	7091157.6	910	S	20	org	gb yb	cl si	q ser /s	AB
K-0886	886	583787.9	7091132.6		S+	25	org	b yb	cl si	q ser /s	AB
K-0887	887	583826.8	7091105.6		S++	30	org	b yb	si cl	q ser my	AB
K-0888	888	583869.9	7091077.9		S++	30		g yb	si cl	qte ser /s	AB
K-0889	889	583905.1	7091059.2	872	S++	15		yb	cl si	q ser s p	B
K-0890	890	583943.9	7091026		S++	25	W org	yb	gr si cl	q ser my p	B
K-0891	891	583988.6	7090999.2		S++	25	org	yb	gr si cl	q ser my weathered white	B
K-0892	892	584021.2	7090959.9		S++	25		yb	si cl	q ser my	B
K-0893	893	584056	7090925.7	840	S++	20	org	b yb	gr si cl	q ser my	AB
K-0894	894	584092.8	7090897.4		S++	25	org	b yb	gr si cl	q ser my	AB
K-0895	895	584130	7090855		S++	25	org	b yb	gr si cl	q ser my	AB
K-0896	896	584170.9	7090822.9		S++	25	org	b yb	si cl	q ser s altered/weatherd	AB
K-0897	897	584212.9	7090797.7	786	S++	20		yb	gr cl si	q ser my	B
K-0898	898	584251.3	7090769.4		S++	20	org	b yb	si cl	qte ser /s	AB
K-0899	899	584288.1	7090731		S++	25		gb yb	si cl	qte ser /s	B
K-0900	900	584324.8	7090700.2		S++	25	org	b yb	si cl	qv	AB
K-0901	901	584364.9	7090672.6	740	S++	25		yb	si cl	no rocks	AB
K-0902	902	584405.5	7090639		S++	25	org	yb	si cl	qte ser /s	B
K-0903	903	584445.5	7090611.5		S++	25		yb	gr si cl	qte ser /s hem	B
K-0904	904	584484.1	7090574.8		S++	25	org	yb	gr si cl	qte ser /s	B
K-0905	905	584516.1	7090533.8	675	S++	20	org	b yb	gr si cl	qte ser /s gv	AB
K-0906	906	584549.2	7090504.3		S	25	org	yb	si cl	qte ser /s	B
K-0907	907	584596.9	7090474.9		S+	35	org	yb	si cl	no rocks	B
K-0908	908	584638.2	7090435.5		S+	30	org	b yb	si cl	qte ser /s	AB
K-0909	909	584672.1	7090408.2		S+	30	org	yb	si cl	qte ser s	B
K-0910	910	584710.2	7090380.6		S	15	pf	yb	si cl	qte ser /s ox	B
K-0911	911	584749.8	7090347.5		S	35	org	b yb	si cl	qv	A MIN B
K-0912	912	584793.6	7090311.1		S	20	org	minb yb	si cl	qte ser //s	B MIN A
K-0913	913	584820.5	7090274.2	619	S++	15	dry	yb	si cl	qte ser /s ox	moved b/c oldtimers
K-0914	914	584853.2	7090269.1	599	S++>20	35	org	b yb	si cl	qte ser /s	AB

K-0882
K-0915 dupl of

K-0882

K-0890
K-0916 dupl of

K-0890

K-0900
K-0917 dupl of

K-0900

K-0910
K-0918 dupl of

K-0910

PETER'S COMMENTS

The rock is more siliceous, blocky & mylonitic at the top of the hill and becomes more schistose and weathered towards bottom.

K-0883
DUP-K-0883

K-0889
DUP-K-0889

K-0901
DUP-K-0901

K-0913
DUP-K-0913

-0.1	9	14	0.13	4.8
0.26	6	12	-0.1	12.1
0.32	2	20	-0.1	44.6
-0.1	5	14	0.14	8.12
0.13	15	19	-0.1	6.8
0.14	9	14	-0.1	49.3
0.16	6	19	-0.1	11.2
0.19	21	21	-0.1	18.5
-0.1	4	11	-0.1	25.3
0.69	9	19	-0.1	16.3
0.13	13	12	0.14	24.8
0.31	8	12	-0.1	57.2
-0.1	9	13	0.13	19.9
-0.1	10	13	0.13	30.9
-0.1	12	18	-0.1	24.8
-0.1	10	17	-0.1	53.1
0.48	10	20	-0.1	14.6
-0.1	9	13	-0.1	7.85
0.15	18	54	0.13	29.9
-0.1	11	22	-0.1	6.5
0.19	31	47	-0.1	2.99
0.24	31	30	-0.1	18
-0.1	5	74	-0.1	19.5
-0.1	23	31	-0.1	10.7
0.1	18	28	-0.1	16.7
-0.1	37	106	-0.1	6.55
-0.1	20	349	0.13	17.6
0.16	177	327	-0.1	4.95
0.31	162	263	-0.1	4.36
-0.1	133	143	-0.1	4.12
0.43	68	161	0.11	17
-0.1	64	86	-0.1	1.79
-0.1	9	78	-0.1	9.68
-0.1	13	18	-0.1	2.7
0.26	6	12	-0.1	12.1
0.22	7	11	-0.1	13.6
0.69	9	19	-0.1	16.3
1.02	17	26	-0.1	8.11
-0.1	11	22	-0.1	6.5
-0.1	10	20	0.11	7.46
-0.1	133	143	-0.1	4.12
0.3	152	184	-0.1	5.08
0.32	2	20	-0.1	44.6
0.25	3	24	0.12	37.4
-0.1	4	11	-0.1	25.3
-0.1	4	13	-0.1	26.6
0.19	31	47	-0.1	2.99
0.28	34	54	0.15	2.69
-0.1	9	78	-0.1	9.68
-0.1	7	126	-0.1	9.18

APPENDIX V

**X-RAL Laboratory
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: 059860

To: **KSL Exploration Limited**
Attn: **R G Adamson**
C/-R G Adamson
Rm 293, El Dorado Hotel
DAWSON CITY
YUKON/CANADA/Y0B 2G0

Date : 28/06/00

Copy 1 to :

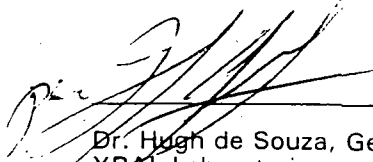
Copy 2 to :

P.O. No. :
Project No. : **KLON ORIENT**
No. of Samples : **122 Soil(MMI)**
Date Submitted : **14/06/00**
Report Comprises : **Cover Sheet plus**
Pages 1 to 10

Distribution of unused material:

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

Certified By


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 059860

Date: 28/06/00

FINAL

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Element. Method. Det. Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 100 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
K 0001	n.a.	n.a.	n.a.	n.a.	<0.1	35	7	<0.1	0.95	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0002	n.a.	n.a.	n.a.	n.a.	<0.1	4	3	<0.1	3.53	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0003	n.a.	n.a.	n.a.	n.a.	0.19	6	8	<0.1	1.74	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0004	n.a.	n.a.	n.a.	n.a.	<0.1	3	7	0.15	2.64	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0005	n.a.	n.a.	n.a.	n.a.	<0.1	5	7	<0.1	1.07	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0006	n.a.	n.a.	n.a.	n.a.	<0.1	5	6	0.11	0.51	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0007	n.a.	n.a.	n.a.	n.a.	<0.1	3	8	<0.1	1.54	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0008	n.a.	n.a.	n.a.	n.a.	<0.1	2	3	0.10	0.45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0009	n.a.	n.a.	n.a.	n.a.	0.10	6	8	<0.1	0.91	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0010	n.a.	n.a.	n.a.	n.a.	0.10	5	10	0.16	1.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0011	n.a.	n.a.	n.a.	n.a.	<0.1	6	10	0.16	0.94	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0012	n.a.	n.a.	n.a.	n.a.	<0.1	18	26	0.23	1.86	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0013	n.a.	n.a.	n.a.	n.a.	<0.1	2	7	0.20	1.16	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0014	n.a.	n.a.	n.a.	n.a.	<0.1	7	10	<0.1	2.22	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0015	n.a.	n.a.	n.a.	n.a.	<0.1	2	7	<0.1	5.52	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0016	n.a.	n.a.	n.a.	n.a.	<0.1	5	9	<0.1	2.11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0017	n.a.	n.a.	n.a.	n.a.	<0.1	9	7	0.15	5.32	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0018	n.a.	n.a.	n.a.	n.a.	<0.1	8	9	<0.1	1.26	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0019	n.a.	n.a.	n.a.	n.a.	0.14	5	8	<0.1	7.28	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0020	n.a.	n.a.	n.a.	n.a.	<0.1	6	6	<0.1	5.92	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0021	n.a.	n.a.	n.a.	n.a.	<0.1	5	6	<0.1	15.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0022	n.a.	n.a.	n.a.	n.a.	0.25	6	7	<0.1	10.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0023	n.a.	n.a.	n.a.	n.a.	<0.1	5	4	<0.1	5.70	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0024	n.a.	n.a.	n.a.	n.a.	<0.1	12	8	<0.1	23.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0025	n.a.	n.a.	n.a.	n.a.	<0.1	8	13	<0.1	14.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0026	n.a.	n.a.	n.a.	n.a.	<0.1	4	4	<0.1	9.13	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0027	n.a.	n.a.	n.a.	n.a.	<0.1	17	10	<0.1	9.32	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0028	n.a.	n.a.	n.a.	n.a.	<0.1	4	10	<0.1	6.43	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0029	n.a.	n.a.	n.a.	n.a.	<0.1	25	6	<0.1	6.87	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
K 0030	n.a.	n.a.	n.a.	n.a.	<0.1	35	31	<0.1	6.46	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



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Element. Method. Det.Lim. Units.	Cu MMIL-A 5 ppb	Zn MMIL-A 5 ppb	Cd MMIL-A 10 ppb	Pb MMIL-A 20 ppb	Au MMIL-B 0.1 ppb	Co MMIL-B 1 ppb	Ni MMIL-B 3 ppb	Pd MMIL-B 0.1 ppb	Ag MMIL-B 0.1 ppb	Fe MMIL-F 100 ppm	As MMIL-F 1 ppb	Se MMIL-F 2 ppb	Mo MMIL-F 1 ppb	Sb MMIL-F 1 ppb	Hg MMIL-F 3 ppb	Te MMIL-F 1 ppb
K 0031	39	267	41	368	<0.1	15	21	0.15	0.48	691	49	4	4	2	<3	5
K 0032	65	96	<10	397	0.10	11	8	<0.1	2.36	151	33	<2	<1	2	<3	4
K 0033	115	60	<10	516	0.19	6	48	<0.1	4.47	355	76	4	2	3	<3	3
K 0034	19	651	26	209	0.10	8	12	0.10	0.75	379	111	<2	5	3	<3	<1
K 0035	20	510	11	238	0.18	11	15	<0.1	1.12	153	235	<2	2	1	<3	<1
K 0036	15	468	<10	213	0.22	9	14	0.11	2.11	129	287	2	3	2	<3	2
K 0037	12	580	13	209	0.12	12	13	0.12	0.39	202	212	<2	2	1	<3	<1
K 0038	5	474	<10	176	2.07	12	34	0.11	0.55	336	140	<2	10	4	<3	<1
K 0039	<5	411	<10	95	1.16	8	15	<0.1	0.17	<100	22	<2	4	2	<3	<1
K 0040	12	451	<10	292	<0.1	11	22	<0.1	1.16	715	94	<2	3	2	<3	<1
K 0041	34	297	<10	467	<0.1	12	28	0.11	1.63	1600	145	<2	5	3	<3	5
K 0042	30	230	12	263	0.11	17	16	<0.1	1.98	528	301	<2	4	5	<3	<1
K 0043	14	285	<10	280	<0.1	10	28	<0.1	1.19	274	171	3	2	2	<3	<1
K 0044	30	350	<10	367	0.10	9	16	<0.1	0.67	467	292	2	2	2	<3	3
K 0045	14	466	19	245	<0.1	14	20	0.13	1.13	246	285	3	3	3	<3	1
K 0046	12	473	20	253	<0.1	17	30	0.11	0.42	415	137	<2	3	2	<3	2
K 0047	31	341	11	366	0.14	10	20	<0.1	1.43	442	276	3	2	3	4	2
K 0048	29	213	<10	325	0.35	21	29	<0.1	6.40	355	332	<2	4	5	3	6
K 0049	68	334	<10	417	0.45	8	14	<0.1	5.22	625	855	<2	3	5	<3	<1
K 0050	34	256	<10	355	0.24	13	23	<0.1	2.97	502	380	3	4	4	<3	2
K 0051	34	219	<10	359	0.13	10	14	<0.1	2.73	251	286	<2	4	3	<3	3
K 0052	30	141	<10	206	<0.1	8	12	<0.1	1.70	350	329	3	3	3	<3	<1
K 0053	52	427	34	450	0.10	15	34	<0.1	2.08	3380	449	<2	1	3	<3	<1
K 0054	11	545	19	217	<0.1	16	23	<0.1	2.01	528	301	<2	9	4	<3	7
K 0055	18	306	15	372	<0.1	13	23	<0.1	2.11	338	511	<2	8	6	<3	<1
K 0056	29	367	<10	306	0.25	24	30	<0.1	5.01	586	782	2	5	7	<3	<1
K 0057	37	462	<10	357	0.34	25	34	<0.1	3.84	1210	874	<2	7	11	<3	3
K 0058	110	433	14	485	0.32	22	38	<0.1	8.82	151	522	<2	6	8	<3	5
K 0059	18	270	<10	303	<0.1	8	14	<0.1	1.28	251	269	<2	6	2	<3	6
K 0060	16	86	<10	361	<0.1	5	12	<0.1	2.00	140	156	4	4	1	<3	8



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Element. Method. Det.Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 100 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
K 0061	14	308	<10	296	<0.1	8	14	<0.1	0.96	186	507	<2	7	3	<3	<1
K 0062	34	58	<10	533	<0.1	5	8	<0.1	1.06	239	139	<2	2	1	<3	<1
K 0063	46	287	<10	333	<0.1	7	13	<0.1	0.18	1030	533	<2	4	3	<3	5
K 0064	63	133	<10	397	0.15	7	12	<0.1	1.64	620	281	4	4	4	<3	12
K 0065	16	111	<10	365	0.49	8	14	<0.1	0.75	281	263	<2	3	3	<3	3
K 0066	65	232	<10	442	0.13	23	17	0.15	0.47	491	397	<2	11	13	<3	2
K 0067	15	162	<10	323	<0.1	7	10	<0.1	0.13	3790	23	<2	2	1	<3	1
K 0068	47	89	<10	564	<0.1	6	14	<0.1	0.50	892	38	<2	2	2	<3	6
K 0069	85	63	<10	576	<0.1	5	13	<0.1	1.20	150	129	<2	3	3	<3	<1
K 0070	49	113	<10	492	<0.1	6	12	<0.1	0.93	593	24	<2	2	2	<3	<1
K 0071	26	74	<10	388	<0.1	4	8	<0.1	0.56	151	75	<2	4	2	<3	3
K 0072	31	46	<10	512	0.36	8	26	<0.1	6.79	<100	50	<2	<1	1	<3	<1
K 0073	48	113	<10	554	0.49	20	12	<0.1	4.39	202	174	<2	3	4	<3	4
K 0074	100	215	13	474	0.59	82	124	<0.1	9.71	225	134	7	12	5	<3	10
K 0075	48	252	21	287	0.17	15	30	<0.1	0.30	948	75	3	5	1	<3	<1
K 0076	20	309	11	310	0.17	19	32	0.21	18.1	948	52	6	6	4	<3	6
K 0077	8	47	<10	374	<0.1	6	9	<0.1	2.73	520	36	5	3	1	<3	2
K 0078	17	71	12	436	<0.1	9	5	<0.1	2.31	112	16	3	2	<1	<3	4
K 0079	12	857	16	378	<0.1	10	9	0.11	3.24	235	112	<2	5	1	<3	4
K 0080	<5	172	25	429	0.11	6	6	<0.1	2.80	208	66	<2	3	<1	<3	<1
K 0081	55	87	<10	630	<0.1	5	9	<0.1	1.52	764	16	6	3	1	<3	<1
K 0082	59	168	14	635	<0.1	6	15	0.14	2.70	153	92	7	10	1	<3	10
K 0083	36	73	<10	781	<0.1	8	7	<0.1	4.44	<100	3	<2	<1	<1	<3	<1
K 0084	37	497	<10	279	<0.1	7	10	<0.1	0.50	153	432	4	8	2	<3	7
K 0085	13	108	<10	294	<0.1	6	10	0.13	0.57	370	52	<2	6	1	<3	2
K 0086	7	60	10	425	<0.1	5	6	<0.1	2.92	285	39	<2	2	<1	<3	<1
K 0087	8	636	<10	270	0.14	11	16	<0.1	1.46	666	289	<2	8	4	<3	<1
K 0088	16	397	<10	344	0.15	10	14	<0.1	2.52	600	254	<2	5	2	<3	<1
K 0089	18	364	<10	289	0.12	13	15	0.11	1.51	533	208	8	6	3	<3	1
K 0090	29	394	14	377	0.12	13	19	0.11	3.01	311	193	2	5	2	<3	3



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Element. Method. Det. Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 100 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Tc MMI-F 1 ppb
K 0091	48	205	<10	371	0.14	6	11	0.10	4.21	222	218	4	2	2	<3	3
K 0092	32	400	<10	317	0.24	14	20	0.13	5.65	260	393	3	5	4	<3	2
K 0093	21	310	<10	323	0.32	12	19	0.15	4.60	152	484	2	3	2	<3	<1
K 0094	15	482	13	244	0.11	19	25	0.15	0.69	822	214	<2	6	5	<3	<1
K 0095	27	373	32	273	0.16	43	56	0.12	2.24	427	151	7	3	3	<3	4
K 0096	41	160	<10	285	0.11	55	18	0.12	4.25	<100	124	5	1	2	<3	3
K 0097	41	733	34	333	<0.1	25	38	0.13	0.88	147	156	6	4	4	<3	<1
K 0098	11	500	26	236	<0.1	18	27	0.10	0.49	681	75	<2	5	2	<3	<1
K 0099	48	288	<10	309	0.16	17	19	<0.1	4.05	596	160	<2	3	3	<3	<1
K 0100	45	217	<10	356	0.17	11	17	<0.1	2.27	427	166	<2	2	2	<3	<1
K 0101	21	274	12	294	<0.1	26	21	0.14	1.80	204	95	3	5	2	<3	2
K 0102	20	301	<10	356	0.14	10	14	<0.1	1.29	152	137	<2	3	2	<3	3
K 0103	15	284	<10	274	<0.1	9	18	0.11	1.87	140	152	3	4	1	<3	<1
K 0104	15	373	<10	298	0.11	7	13	<0.1	0.47	233	154	3	5	1	<3	<1
K 0105	12	572	53	260	<0.1	12	23	0.13	0.59	601	193	<2	8	2	<3	2
K 0106	22	283	13	328	<0.1	11	16	0.11	1.72	391	191	4	6	2	<3	<1
K 0107	52	304	<10	449	0.22	8	16	<0.1	1.03	761	205	4	3	3	<3	<1
K 0108	22	244	<10	355	0.10	9	13	<0.1	0.84	<100	142	4	3	3	<3	<1
K 0109	31	327	10	342	0.13	19	18	<0.1	1.61	458	139	3	4	2	<3	<1
K 0110	24	367	18	302	0.17	19	21	0.11	2.01	359	229	<2	9	4	<3	2
K 0111	25	365	<10	349	0.45	11	16	0.10	2.10	138	625	2	8	2	<3	2
K 0112	17	274	<10	408	0.47	69	14	<0.1	2.55	479	213	7	8	3	<3	4
K 0113	133	283	<10	367	0.22	14	20	<0.1	1.99	440	115	2	4	6	<3	4
K 0114	71	475	26	373	<0.1	15	30	0.11	2.06	2310	347	<2	16	5	<3	<1
K 0115	37	282	20	299	<0.1	11	18	0.11	1.18	658	116	5	4	3	<3	2
K 0116	29	253	19	330	<0.1	14	18	<0.1	1.77	443	50	4	3	2	<3	<1
K 0117	62	198	29	252	0.13	9	23	0.21	0.41	2240	102	<2	7	3	<3	<1
K 0118	38	237	25	301	0.18	12	21	0.11	0.95	264	55	5	4	1	<3	<1
K 0119	27	327	<10	313	0.24	19	20	0.14	1.67	696	143	6	10	5	<3	3
K 0120	54	280	12	358	0.21	16	21	<0.1	1.18	842	175	<2	14	6	<3	2



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Element.	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te
Method.	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Det.Lim.	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
K 0121	56	288	<10	255	0.24	19	22	0.19	1.12	1090	157	<2	5	4	<3	<1
K 0122	47	129	<10	361	0.14	8	15	0.14	0.57	626	73	<2	2	2	<3	<1
*Dup K 0001	n.a.	n.a.	n.a.	n.a.	<0.1	31	6	<0.1	1.11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup K 0013	n.a.	n.a.	n.a.	n.a.	<0.1	3	11	<0.1	1.36	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup K 0025	n.a.	n.a.	n.a.	n.a.	<0.1	6	12	<0.1	13.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup K 0037	L.N.R.	L.N.R.	L.N.R.	L.N.R.	n.a.	n.a.	n.a.	n.a.	n.a.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup K 0049	61	332	<10	416	0.39	7	12	<0.1	4.43	751	728	6	2	5	<3	<1
*Dup K 0061	L.N.R.	L.N.R.	L.N.R.	L.N.R.	<0.1	7	11	0.12	0.92	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup K 0073	52	106	<10	533	0.45	23	13	<0.1	3.85	203	156	<2	2	4	<3	5
*Dup K 0085	11	96	<10	308	<0.1	6	11	0.12	0.42	382	47	<2	4	1	<3	<1
*Dup K 0097	37	715	41	350	<0.1	24	36	0.19	1.02	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
*Dup K 0109	28	350	13	301	0.13	17	17	0.10	1.76	397	149	<2	3	3	<3	<1
*Dup K 0121	51	309	<10	251	0.17	17	24	<0.1	1.02	1170	151	<2	7	5	<3	<1



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Element. Bi
Method. MMII-F
Det.Lim. 0.1
Units. ppb

K 0001 n.a.
K 0002 n.a.
K 0003 n.a.
K 0004 n.a.
K 0005 n.a.

K 0006 n.a.
K 0007 n.a.
K 0008 n.a.
K 0009 n.a.
K 0010 n.a.

K 0011 n.a.
K 0012 n.a.
K 0013 n.a.
K 0014 n.a.
K 0015 n.a.

K 0016 n.a.
K 0017 n.a.
K 0018 n.a.
K 0019 n.a.
K 0020 n.a.

K 0021 n.a.
K 0022 n.a.
K 0023 n.a.
K 0024 n.a.
K 0025 n.a.

K 0026 n.a.
K 0027 n.a.
K 0028 n.a.
K 0029 n.a.
K 0030 n.a.





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Element.
Method. Bi
Det. Lim. MMII-F
Units. 0.1
ppb

K 0031 1.7
K 0032 1.0
K 0033 1.4
K 0034 0.5
K 0035 0.8

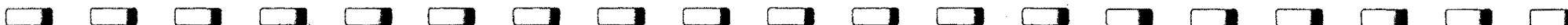
K 0036 1.1
K 0037 0.6
K 0038 0.3
K 0039 <0.1
K 0040 0.7

K 0041 1.9
K 0042 1.5
K 0043 0.8
K 0044 1.2
K 0045 0.6

K 0046 0.4
K 0047 3.6
K 0048 2.3
K 0049 2.7
K 0050 1.8

K 0051 1.6
K 0052 1.7
K 0053 1.0
K 0054 1.2
K 0055 1.3

K 0056 1.8
K 0057 2.1
K 0058 1.7
K 0059 0.8
K 0060 0.8





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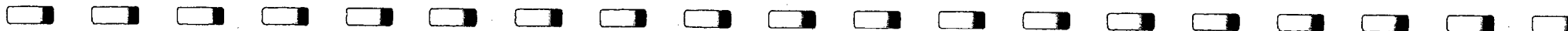
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Element.	Bi
Method.	MMI-F
Det.Lim.	0.1
Units.	ppb
K 0061	0.7
K 0062	0.8
K 0063	1.5
K 0064	2.1
K 0065	2.2
K 0066	2.7
K 0067	1.0
K 0068	0.9
K 0069	1.4
K 0070	0.9
K 0071	1.8
K 0072	0.1
K 0073	2.3
K 0074	0.8
K 0075	0.5
K 0076	2.5
K 0077	1.3
K 0078	0.5
K 0079	1.1
K 0080	0.7
K 0081	1.3
K 0082	2.8
K 0083	<0.1
K 0084	2.2
K 0085	0.8
K 0086	0.6
K 0087	1.1
K 0088	1.1
K 0089	1.3
K 0090	1.3





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Element.	Bi
Method.	MMH-F
Det.Lim.	0.1
Units.	ppb

K 0091	1.6
K 0092	1.6
K 0093	2.7
K 0094	1.5
K 0095	1.3

K 0096	0.6
K 0097	1.2
K 0098	0.6
K 0099	1.4
K 0100	1.6

K 0101	1.0
K 0102	1.1
K 0103	1.2
K 0104	1.2
K 0105	0.7

K 0106	1.5
K 0107	2.2
K 0108	0.8
K 0109	1.7
K 0110	1.3

K 0111	1.2
K 0112	1.3
K 0113	2.2
K 0114	1.8
K 0115	2.1

K 0116	1.1
K 0117	1.1
K 0118	0.5
K 0119	1.1
K 0120	1.7





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Element.	Bi
Method.	MMI-F
Det.Lim.	0.1
Units.	ppb

K 0121	0.7

K 0122	1.1

*Dup K 0001	n.a.

*Dup K 0013	n.a.

*Dup K 0025	n.a.

*Dup K 0037	L.N.R.

*Dup K 0049	3.1

*Dup K 0061	L.N.R.

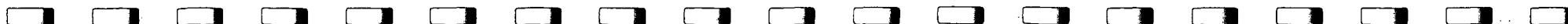
*Dup K 0073	2.5

*Dup K 0085	0.9

*Dup K 0097	I.S.

*Dup K 0109	0.9

*Dup K 0121	1.1





XRAL Laboratories
A Division of SGS Canada Inc.

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Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 059861

To: **KSL Exploration Limited**
Attn: **R G Adamson**
C/-R G Adamson
Rm 293, El Dorado Hotel
DAWSON CITY
YUKON/CANADA/Y0B 2G0

Date : 29/06/00

Copy 1 to :

Copy 2 to :

P.O. No. :
Project No. : KLON ORIENT
No. of Samples : 93 Soil(MMI)
Date Submitted : 14/06/00
Report Comprises : Cover Sheet plus
Pages 1 to 8

Distribution of unused material:

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

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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



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Date: 29/06/00

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Element. Method. Det. Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 0.1 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
0123	n.a.	n.a.	n.a.	n.a.	1.21	13	7	<0.1	2.41	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0124	n.a.	n.a.	n.a.	n.a.	<0.1	46	9	<0.1	2.04	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0125	n.a.	n.a.	n.a.	n.a.	<0.1	3	6	<0.1	0.83	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0126	n.a.	n.a.	n.a.	n.a.	<0.1	19	8	<0.1	2.77	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0127	n.a.	n.a.	n.a.	n.a.	<0.1	4	6	<0.1	3.16	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0128	n.a.	n.a.	n.a.	n.a.	<0.1	35	4	<0.1	7.01	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0129	n.a.	n.a.	n.a.	n.a.	<0.1	2	5	<0.1	5.34	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0130	n.a.	n.a.	n.a.	n.a.	<0.1	3	9	<0.1	19.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0131	n.a.	n.a.	n.a.	n.a.	<0.1	15	6	<0.1	2.24	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0132	n.a.	n.a.	n.a.	n.a.	<0.1	4	9	<0.1	0.93	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0133	n.a.	n.a.	n.a.	n.a.	0.15	2	6	<0.1	13.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0134	n.a.	n.a.	n.a.	n.a.	<0.1	10	6	<0.1	14.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0135	n.a.	n.a.	n.a.	n.a.	<0.1	8	9	<0.1	3.14	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0136	n.a.	n.a.	n.a.	n.a.	0.20	7	12	<0.1	6.36	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0137	n.a.	n.a.	n.a.	n.a.	<0.1	7	8	<0.1	<0.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0138	n.a.	n.a.	n.a.	n.a.	<0.1	4	5	<0.1	0.25	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0139	n.a.	n.a.	n.a.	n.a.	<0.1	13	14	<0.1	0.25	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0140	n.a.	n.a.	n.a.	n.a.	0.27	140	33	0.15	2.46	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0141	n.a.	n.a.	n.a.	n.a.	<0.1	10	6	<0.1	1.02	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0142	n.a.	n.a.	n.a.	n.a.	0.20	28	13	0.10	3.33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0143	n.a.	n.a.	n.a.	n.a.	0.27	42	13	<0.1	2.18	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0144	n.a.	n.a.	n.a.	n.a.	<0.1	10	12	<0.1	3.50	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0145	n.a.	n.a.	n.a.	n.a.	<0.1	11	13	<0.1	1.99	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0146	n.a.	n.a.	n.a.	n.a.	<0.1	8	7	<0.1	3.10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0147	n.a.	n.a.	n.a.	n.a.	<0.1	6	12	0.13	1.64	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0148	n.a.	n.a.	n.a.	n.a.	<0.1	4	9	<0.1	2.95	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0149	n.a.	n.a.	n.a.	n.a.	<0.1	3	4	<0.1	0.63	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0150	n.a.	n.a.	n.a.	n.a.	<0.1	10	9	<0.1	4.79	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0151	n.a.	n.a.	n.a.	n.a.	<0.1	5	7	<0.1	0.70	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0152	n.a.	n.a.	n.a.	n.a.	0.12	10	13	<0.1	3.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



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Date: 29/06/00

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Element. Method. Det. Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 0.1 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
0153	n.a.	n.a.	n.a.	n.a.	<0.1	3	4	<0.1	<0.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0154	n.a.	n.a.	n.a.	n.a.	<0.1	21	22	0.12	1.82	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0155	n.a.	n.a.	n.a.	n.a.	0.10	8	13	0.13	1.31	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0156	n.a.	n.a.	n.a.	n.a.	0.16	43	17	<0.1	2.62	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0157	n.a.	n.a.	n.a.	n.a.	<0.1	3	4	<0.1	0.40	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0158	n.a.	n.a.	n.a.	n.a.	<0.1	2	5	<0.1	2.15	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0159	n.a.	n.a.	n.a.	n.a.	0.21	14	16	<0.1	3.94	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0160	n.a.	n.a.	n.a.	n.a.	<0.1	4	7	<0.1	7.37	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0161	n.a.	n.a.	n.a.	n.a.	0.43	20	33	<0.1	26.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0162	n.a.	n.a.	n.a.	n.a.	<0.1	13	7	<0.1	1.78	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0163	n.a.	n.a.	n.a.	n.a.	0.21	29	28	<0.1	5.11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0164	n.a.	n.a.	n.a.	n.a.	0.19	8	8	<0.1	6.18	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0165	70	40	<10	257	0.13	25	48	<0.1	6.30	67.9	6	12	<1	2	<3	1
0166	36	31	<10	151	<0.1	20	81	<0.1	8.07	139	8	4	15	3	<3	9
0167	41	204	16	281	<0.1	32	36	<0.1	5.86	186	12	4	4	2	<3	4
0168	47	62	16	246	<0.1	55	36	<0.1	8.36	109	4	<2	4	2	<3	6
0169	73	60	<10	353	<0.1	4	19	<0.1	6.92	54.6	6	3	1	2	<3	6
0170	70	81	12	370	<0.1	72	15	<0.1	8.56	75.2	6	10	2	2	<3	6
0171	37	173	<10	418	<0.1	4	21	<0.1	7.63	92.0	7	6	1	1	<3	4
0172	24	83	<10	259	<0.1	5	39	<0.1	6.28	93.3	12	8	2	2	<3	6
0173	42	57	<10	387	<0.1	7	17	<0.1	6.61	69.7	8	6	<1	1	<3	5
0174	24	70	<10	306	<0.1	5	19	<0.1	8.37	94.6	25	5	4	1	<3	3
0175	30	241	22	360	<0.1	6	10	<0.1	10.3	82.1	8	4	2	1	<3	3
0176	35	33	<10	1050	<0.1	3	11	<0.1	6.29	43.2	13	4	<1	2	<3	4
0177	36	25	<10	370	0.10	2	6	<0.1	5.74	27.6	4	7	<1	<1	<3	2
0178	26	41	<10	489	<0.1	5	9	<0.1	4.56	45.1	3	5	<1	<1	<3	2
0179	54	25	<10	811	0.11	5	13	<0.1	5.96	75.3	3	4	<1	1	<3	5
0180	30	42	<10	356	<0.1	5	10	<0.1	3.97	47.1	3	7	<1	1	<3	4
0181	16	23	<10	381	<0.1	7	12	<0.1	1.87	48.6	4	4	<1	<1	<3	4
0182	31	79	<10	494	<0.1	8	10	<0.1	4.09	55.6	9	<2	<1	1	<3	6



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Element. Method. Det.Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 0.1 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
0183	115	79	<10	502	0.17	17	20	<0.1	2.71	49.3	10	<2	<1	2	<3	3
0184	105	189	17	635	<0.1	12	21	0.14	2.24	164	37	13	2	3	<3	5
0185	69	92	<10	738	<0.1	9	25	0.20	2.94	138	55	10	2	3	<3	4
0186	81	76	<10	641	<0.1	46	155	<0.1	3.15	49.1	31	22	<1	4	<3	4
0187	29	217	31	465	<0.1	13	17	0.20	2.69	179	28	3	5	4	<3	4
0188	60	217	12	442	<0.1	26	33	0.10	5.09	90.9	46	10	3	4	<3	3
0189	74	90	14	386	0.11	9	21	<0.1	4.04	355	41	11	3	4	<3	3
0190	81	108	35	404	0.24	11	13	<0.1	10.7	434	1700	5	3	3	<3	4
0191	49	288	48	286	0.20	14	19	0.13	4.13	450	1380	2	3	3	<3	5
0192	35	286	25	176	0.12	8	8	<0.1	1.18	359	738	4	5	3	<3	6
0193	37	290	40	163	0.13	8	8	<0.1	1.45	859	1040	5	4	4	<3	5
0194	77	83	30	239	0.33	17	14	<0.1	10.1	186	1270	10	3	4	<3	4
0195	87	47	40	499	0.38	7	15	<0.1	13.8	596	1120	8	2	3	<3	<1
0196	106	59	33	375	0.46	11	17	<0.1	11.1	1020	1620	9	<1	3	<3	2
0197	40	157	53	269	0.34	10	16	<0.1	5.75	120	1270	5	<1	2	<3	9
0198	100	153	38	244	0.37	18	15	<0.1	8.43	318	1720	10	<1	6	<3	2
0199	80	187	48	345	0.39	15	16	<0.1	8.71	372	789	6	<1	3	<3	<1
0200	103	152	45	323	0.49	14	18	<0.1	10.4	894	1670	6	2	5	<3	4
0201	43	628	60	192	0.37	24	26	0.14	2.88	212	1570	9	4	3	<3	2
0202	96	327	55	383	0.28	17	19	<0.1	9.60	405	2150	3	3	6	<3	<1
0203	55	536	75	208	0.26	26	32	0.22	1.78	763	2230	6	6	6	<3	<1
0204	86	387	58	125	0.20	19	31	0.14	2.88	1290	2020	7	2	9	<3	<1
0205	47	402	44	266	0.23	27	30	0.12	2.24	433	1320	4	2	6	<3	3
0206	63	379	57	200	0.16	16	14	<0.1	4.99	750	1910	6	5	4	<3	5
0207	76	453	42	230	0.21	14	15	<0.1	2.81	843	882	5	5	6	<3	2
0208	101	437	46	225	0.18	15	19	0.11	2.22	1450	1800	10	2	5	<3	<1
0209	35	408	29	163	<0.1	18	14	<0.1	0.87	494	381	4	8	4	<3	<1
0210	46	183	46	299	0.30	7	12	<0.1	2.73	453	1130	3	3	2	<3	1
0211	38	91	15	210	0.28	27	10	<0.1	3.79	167	197	13	<1	2	<3	<1
0212	42	277	33	261	0.26	44	11	<0.1	5.60	181	413	9	2	3	<3	3



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Work Order: 059861

Date: 29/06/00

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Page 4 of 8

Element. Method. Det. Lim. Units.	Cu MMI-A 5 ppb	Zn MMI-A 5 ppb	Cd MMI-A 10 ppb	Pb MMI-A 20 ppb	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	Fe MMI-F 0.1 ppm	As MMI-F 1 ppb	Se MMI-F 2 ppb	Mo MMI-F 1 ppb	Sb MMI-F 1 ppb	Hg MMI-F 3 ppb	Te MMI-F 1 ppb
0213	45	168	20	286	0.23	6	12	<0.1	8.01	354	354	3	3	3	<3	2
0214	65	150	28	290	0.22	5	8	<0.1	1.93	625	864	<2	2	2	<3	<1
0215	67	158	16	463	0.11	29	31	<0.1	3.95	68.0	40	11	2	3	<3	1
*Dup 0123	n.a.	n.a.	n.a.	n.a.	1.01	11	9	<0.1	2.17	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup 0135	n.a.	n.a.	n.a.	n.a.	<0.1	5	9	<0.1	3.13	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup 0147	n.a.	n.a.	n.a.	n.a.	<0.1	4	14	<0.1	2.57	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup 0159	n.a.	n.a.	n.a.	n.a.	0.27	13	15	<0.1	4.32	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Dup 0171	35	187	13	411	<0.1	3	19	<0.1	7.91	89.0	7	4	2	1	<3	2
*Dup 0183	129	72	<10	567	I.S.	I.S.	I.S.	I.S.	I.S.	59.3	11	3	<1	2	<3	2
*Dup 0195	79	51	48	452	0.38	6	16	<0.1	13.5	514	1130	5	1	3	<3	2
*Dup 0207	66	475	49	215	I.S.	I.S.	I.S.	I.S.	I.S.	804	827	5	5	5	<3	1



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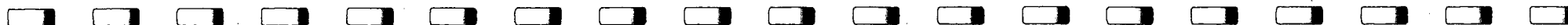
Work Order: 059861

Date: 29/06/00

FINAL

Page 5 of 8

Element.	Bi
Method.	MMH-F
Det.Lim.	0.1
Units.	ppb
0123	n.a.
0124	n.a.
0125	n.a.
0126	n.a.
0127	n.a.
0128	n.a.
0129	n.a.
0130	n.a.
0131	n.a.
0132	n.a.
0133	n.a.
0134	n.a.
0135	n.a.
0136	n.a.
0137	n.a.
0138	n.a.
0139	n.a.
0140	n.a.
0141	n.a.
0142	n.a.
0143	n.a.
0144	n.a.
0145	n.a.
0146	n.a.
0147	n.a.
0148	n.a.
0149	n.a.
0150	n.a.
0151	n.a.
0152	n.a.





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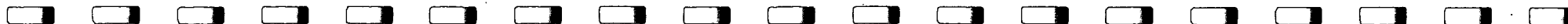
Work Order: 059861

Date: 29/06/00

FINAL

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Element. Method. Det. Lim. Units.	Bi MMI-F 0.1 ppb
0153	n.a.
0154	n.a.
0155	n.a.
0156	n.a.
0157	n.a.
0158	n.a.
0159	n.a.
0160	n.a.
0161	n.a.
0162	n.a.
0163	n.a.
0164	n.a.
0165	2.5
0166	1.5
0167	0.9
0168	0.6
0169	0.3
0170	0.4
0171	0.5
0172	0.7
0173	0.4
0174	1.0
0175	0.6
0176	0.5
0177	0.1
0178	0.2
0179	0.2
0180	0.2
0181	0.3
0182	0.3





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Work Order: 059861

Date: 29/06/00

FINAL

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Element.	Bi
Method.	MMI-F
Det.Lim.	0.1
Units.	ppb

0183	0.2
0184	1.6
0185	2.5
0186	0.8
0187	2.1

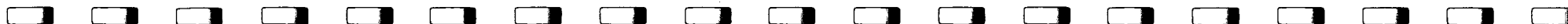
0188	1.0
0189	1.9
0190	2.7
0191	1.2
0192	0.8

0193	0.9
0194	1.3
0195	2.2
0196	6.6
0197	1.7

0198	1.7
0199	1.7
0200	2.5
0201	0.8
0202	1.7

0203	1.0
0204	0.6
0205	0.5
0206	1.6
0207	1.5

0208	1.5
0209	0.1
0210	0.9
0211	<0.1
0212	0.4





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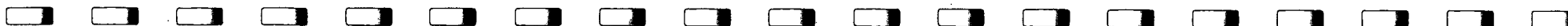
Work Order: 059861

Date: 29/06/00

FINAL

Page 8 of 8

Element.	Bi
Method.	MMI-F
Det.Lim.	0.1
Units.	ppb
0213	0.3
0214	0.6
0215	0.6
*Dup 0123	n.a.
*Dup 0135	n.a.
*Dup 0147	n.a.
*Dup 0159	n.a.
*Dup 0171	0.6
*Dup 0183	0.4
*Dup 0195	1.7
*Dup 0207	1.8





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: 059995

To: **KSL Exploration Limited**
Attn: **R G Adamson**
C/-R G Adamson
Rm 293, El Dorado Hotel
DAWSON CITY
YUKON/CANADA/Y0B 2G0

Date : 24/07/00

Copy 1 to :

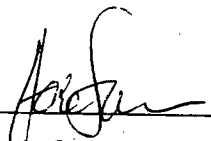
Copy 2 to :

P.O. No. : POH #059860/059861
Project No. : KLON ORIENT
No. of Samples : 17 Soil(MMI)
Date Submitted : 28/06/00
Report Comprises : Cover Sheet plus
Pages 1 to 1

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 059995

Date: 24/07/00

FINAL

Page 1 of 1

Element.	Cu	Zn	Cd	Pb	Fe	As	Se	Mo	Sb	Hg	Te	Bi
Method.	MMI-A	MMI-A	MMI-A	MMI-A	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Det.Lim.	5	5	10	20	100	1	2	1	1	3	1	0.1
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K 0010	80	71	<10	379	270390	16	16	3	2	5	2	1.2
K 0011	85	140	<10	198	343490	25	12	4	2	6	2	2.3
K 0012	91	68	<10	478	91590	24	14	3	4	4	3	1.0
K 0013	79	30	<10	445	213290	13	11	2	3	4	3	1.8
K 0014	38	36	<10	335	118990	3	6	<1	2	<3	1	0.6
K 0015	66	40	<10	873	42540	2	4	<1	1	<3	2	0.2
K 0016	84	48	<10	358	139890	12	4	1	2	<3	3	1.0
0127	68	113	<10	357	118790	8	<2	<1	2	<3	2	0.2
0128	94	126	<10	353	97260	4	<2	1	1	<3	1	0.1
0129	81	162	15	253	166490	7	3	<1	1	<3	<1	0.2
0130	34	93	13	354	82820	5	<2	1	1	3	2	0.4
0131	47	75	<10	315	136690	11	<2	1	2	<3	3	0.6
0132	81	73	<10	237	583190	45	15	<1	2	<3	<1	0.7
0133	29	26	<10	364	112790	3	<2	<1	1	<3	2	0.2
0134	58	46	13	456	52890	2	<2	<1	<1	<3	<1	0.1
0135	38	183	11	282	138190	3	<2	4	<1	<3	3	0.1
0136	100	70	<10	631	160190	38	7	<1	2	<3	1	0.5
*Dup K 0010	75	80	<10	335	303390	15	13	2	2	<3	<1	1.2
*Dup 0132	76	67	<10	221	538390	37	15	<1	2	<3	2	0.6



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: 060433

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

Date : 07/09/00

Copy 1 to :

Copy 2 to :

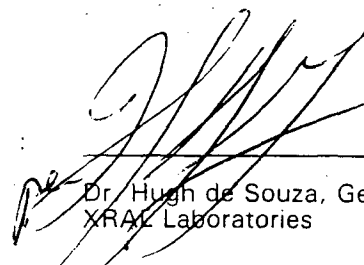
P.O. No. :
Project No. : **KLONDIKE**
No. of Samples : **119 Soil**
Date Submitted : **31/07/00**
Report Comprises : **Cover Sheet plus**
Pages 1 to 3

Please Note:
Some bad duplicates due to inhomogeneity.

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060433

Date: 07/09/00

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
K-348	<0.1	185	59	0.15	2.28
K-349	0.17	81	122	0.41	1.77
K-350	0.15	80	74	0.16	3.06
K-351	0.17	195	102	0.15	4.06
K-352	0.15	250	693	<0.1	5.30
K-353	0.15	65	199	0.16	11.7
K-354	0.16	36	310	0.15	4.29
K-355	<0.1	21	114	<0.1	6.01
K-356	0.35	102	2070	0.16	7.02
K-357	0.64	66	1470	0.13	108
K-358	0.14	69	79	0.14	4.30
K-359	0.29	100	48	<0.1	19.4
K-360	0.14	45	60	<0.1	4.43
K-361	0.15	7	38	<0.1	4.89
K-362	<0.1	9	20	0.12	13.7
K-363	<0.1	29	42	0.11	5.07
K-364	0.27	49	68	<0.1	11.5
K-365	0.18	59	50	0.12	10.0
K-366	0.45	47	58	<0.1	47.3
K-367	0.21	101	95	<0.1	8.28
K-368	0.21	124	65	<0.1	28.2
K-369	<0.1	14	24	0.12	5.62
K-370	<0.1	67	79	0.14	2.90
K-371	0.20	35	209	<0.1	11.6
K-372	<0.1	39	16	<0.1	4.26
K-373	0.13	78	26	0.16	2.52
K-374	<0.1	27	23	0.16	0.91
K-375	<0.1	20	28	<0.1	2.65
K-376	0.10	16	27	<0.1	1.51
K-377	<0.1	21	29	0.15	17.0
K-378	<0.1	24	31	0.11	1.11
K-379	0.19	31	33	<0.1	3.53
K-380	<0.1	24	32	<0.1	4.25
K-381	0.14	61	120	<0.1	4.18
K-382	0.12	21	27	<0.1	1.69
K-383	0.19	21	24	<0.1	3.29
K-384	0.15	35	26	<0.1	2.09
K-385	0.11	27	24	<0.1	3.57
K-386	<0.1	65	42	<0.1	6.25
K-387	0.15	31	59	<0.1	4.10
K-388	<0.1	25	40	<0.1	7.58
K-389	0.15	26	39	<0.1	5.13
K-390	<0.1	46	37	<0.1	8.96
K-391	<0.1	50	29	<0.1	1.62
K-392	0.12	77	23	<0.1	4.76



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Work Order: 060433

Date: 07/09/00

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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
K-393	<0.1	19	47	<0.1	2.92
K-394	0.20	19	44	<0.1	14.7
K-395	0.10	11	78	0.20	8.21
K-396	0.14	8	70	0.18	3.89
K-397	0.14	9	51	0.14	4.58
K-398	0.19	29	93	0.12	1.90
K-399	0.23	50	162	0.15	1.12
K-400	0.24	83	330	0.14	4.04
K-401	0.18	9	306	0.15	13.3
K-402	0.13	7	140	<0.1	10.9
K-403	0.12	15	23	<0.1	2.68
K-404	0.15	27	83	0.10	8.09
K-405	0.25	56	32	<0.1	4.32
K-406	0.19	58	28	0.12	3.91
K-407	0.10	38	22	<0.1	2.38
K-408	0.11	13	18	<0.1	2.34
K-409	0.27	35	30	0.12	4.44
K-410	0.11	25	18	<0.1	4.23
K-411	0.17	24	22	<0.1	6.11
K-412	0.17	33	86	<0.1	7.79
K-413	0.18	17	23	<0.1	3.67
K-414	0.19	58	38	<0.1	1.76
K-415	0.10	19	25	<0.1	2.15
K-416	0.18	22	53	<0.1	6.34
K-417	0.12	12	18	<0.1	4.95
K-418	0.16	30	34	<0.1	3.93
K-419	<0.1	14	21	<0.1	2.08
K-420	0.11	15	19	<0.1	1.60
K-421	<0.1	15	20	<0.1	3.59
K-422	0.29	11	402	<0.1	20.0
K-423	0.10	21	27	<0.1	6.21
K-424	0.26	140	351	0.11	7.60
K-425	<0.1	23	39	<0.1	5.50
K-426	0.22	9	544	<0.1	12.4
K-427	0.23	127	131	<0.1	3.06
K-428	<0.1	15	33	<0.1	5.09
K-429	<0.1	24	27	<0.1	1.33
K-430	0.20	32	28	<0.1	4.59
K-431	0.11	28	29	<0.1	2.70
K-432	<0.1	22	24	<0.1	2.54
K-433	<0.1	20	39	<0.1	10.6
K-434	<0.1	7	29	<0.1	9.68
K-435	<0.1	5	34	<0.1	7.13
K-436	<0.1	4	31	<0.1	8.63
K-437	<0.1	5	30	<0.1	9.94



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Work Order: 060433

Date: 07/09/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-438	<0.1	14	22	<0.1	9.27
K-439	<0.1	17	47	<0.1	12.3
K-440	0.14	11	19	<0.1	4.96
K-441	<0.1	15	35	<0.1	2.92
K-442	<0.1	13	19	0.12	6.93
K-443	<0.1	47	25	0.18	5.45
K-444	<0.1	32	36	<0.1	4.82
K-445	<0.1	18	28	0.11	5.38
K-446	<0.1	4	23	<0.1	7.11
K-447	<0.1	23	23	<0.1	7.23
K-448	<0.1	10	17	<0.1	7.89
K-449	<0.1	11	19	0.13	21.0
K-450	<0.1	17	28	<0.1	5.67
K-451	<0.1	8	15	0.14	2.88
K-452	<0.1	11	14	0.17	4.49
K-453	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
K-454	<0.1	6	16	<0.1	5.45
K-455	<0.1	6	16	<0.1	4.06
K-456	<0.1	11	48	0.12	8.38
K-457	<0.1	17	24	<0.1	3.46
K-458	<0.1	14	18	<0.1	3.03
K-459	0.11	23	29	<0.1	6.87
K-460	<0.1	12	12	<0.1	1.17
K-461	0.37	30	42	<0.1	8.32
K-462	0.13	12	18	<0.1	3.43
K-463	<0.1	7	15	<0.1	2.70
K-464	<0.1	15	28	<0.1	5.50
K-465	0.27	28	38	0.11	4.71
K-466	0.30	123	140	<0.1	3.98
Dup K-348	<0.1	189	61	<0.1	2.56
Dup K-360	<0.1	45	49	<0.1	4.09
*Dup K-372	<0.1	45	16	<0.1	3.98
*Dup K-384	<0.1	20	23	0.13	1.66
*Dup K-396	<0.1	10	55	0.10	3.27
*Dup K-408	<0.1	15	16	<0.1	2.01
*Dup K-420	0.10	16	19	<0.1	1.44
*Dup K-432	<0.1	17	19	<0.1	2.24
*Dup K-444	<0.1	28	32	<0.1	4.79
*Dup K-456	<0.1	15	58	<0.1	8.42



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: 060807

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

Date : 09/11/00

Copy 1 to :

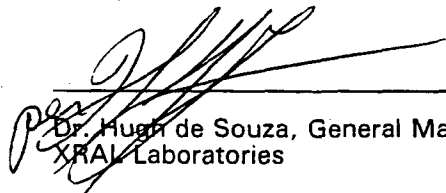
Copy 2 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 121 Soil (MMI)
Date Submitted : 23/08/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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



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Work Order: 060807

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0609	<0.1	10	14	<0.1	1.22
K-0610	<0.1	7	12	0.10	1.35
K-0611	<0.1	5	15	0.15	1.66
K-0612	<0.1	4	11	0.12	6.57
K-0613	<0.1	9	10	<0.1	11.7
K-0614	<0.1	7	13	0.10	4.04
K-0615	0.36	6	27	<0.1	44.9
K-0616	0.17	8	13	<0.1	9.69
K-0617	<0.1	3	11	<0.1	2.38
K-0618	<0.1	5	10	<0.1	1.57
K-0619	<0.1	6	11	0.11	3.46
K-0620	<0.1	7	17	<0.1	3.61
K-0621	0.11	11	20	<0.1	3.24
K-0622	0.11	21	22	<0.1	3.56
K-0623	<0.1	39	39	<0.1	5.42
K-0624	<0.1	16	34	0.10	0.53
K-0625	0.16	46	57	<0.1	1.69
K-0626	0.19	54	45	0.15	4.55
K-0627	0.42	24	105	0.14	3.70
K-0628	0.41	31	43	<0.1	6.01
K-0629	<0.1	14	17	0.12	3.49
K-0630	<0.1	6	12	0.11	1.91
K-0631	<0.1	10	16	0.11	1.06
K-0632	<0.1	9	15	<0.1	2.58
K-0633	<0.1	5	13	<0.1	1.85
K-0634	0.16	8	21	0.14	1.17
K-0635	0.19	7	23	<0.1	0.75
K-0636	<0.1	9	13	0.12	5.90
K-0637	0.20	13	23	0.11	1.25
K-0638	<0.1	11	10	<0.1	12.6
K-0639	<0.1	11	18	<0.1	2.39
K-0640	<0.1	7	12	<0.1	1.40
K-0641	<0.1	15	12	<0.1	14.1
K-0642	<0.1	7	15	<0.1	6.10
K-0643	<0.1	8	14	<0.1	6.13
K-0644	0.20	1	98	<0.1	71.4
K-0645	0.13	1	100	<0.1	28.3
K-0646	0.12	9	48	0.14	18.2
K-0647	<0.1	3	89	<0.1	12.0
K-0648	0.21	<1	224	0.11	36.5
K-0649	0.34	2	257	<0.1	45.3
K-0650	0.11	4	172	<0.1	21.8
K-0651	<0.1	3	307	<0.1	53.9
K-0652	0.16	7	371	<0.1	3.21
K-0653	0.27	37	636	<0.1	21.5

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Work Order: 060807

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0654	<0.1	55	70	<0.1	1.51
K-0655	0.19	115	125	<0.1	1.29
K-0656	0.29	492	151	<0.1	5.66
K-0657	0.11	39	62	<0.1	2.40
K-0658	0.37	152	187	<0.1	9.04
K-0659	0.26	68	244	<0.1	9.50
K-0660	0.52	130	498	<0.1	8.39
K-0661	0.26	85	103	<0.1	6.24
K-0662	0.11	17	20	0.13	3.51
K-0663	0.12	31	20	<0.1	2.49
K-0664	<0.1	14	26	0.12	1.34
K-0665	0.47	21	29	<0.1	6.83
K-0666	<0.1	16	17	<0.1	3.26
K-0667	0.30	16	26	<0.1	3.41
K-0668	0.28	17	19	<0.1	5.14
K-0669	0.10	20	22	<0.1	3.22
K-0670	0.53	38	50	<0.1	8.04
K-0671	<0.1	11	13	<0.1	8.55
K-0672	0.11	3	173	0.10	21.1
K-0673	0.57	110	458	0.14	12.2
K-0674	0.51	39	62	<0.1	9.85
K-0675	<0.1	6	14	<0.1	2.43
K-0676	<0.1	4	11	<0.1	1.72
K-0677	<0.1	4	9	<0.1	1.30
K-0678	<0.1	7	10	<0.1	1.97
K-0679	0.21	5	10	<0.1	1.24
K-0680	<0.1	2	5	<0.1	1.83
K-0681	0.20	6	10	<0.1	2.19
K-0682	0.17	4	9	0.12	8.60
K-0683	0.18	7	17	<0.1	12.8
K-0684	<0.1	5	11	<0.1	3.78
K-0685	0.21	20	14	<0.1	6.74
K-0686	0.47	8	9	<0.1	4.17
K-0687	0.11	7	11	<0.1	1.76
K-0688	0.73	46	86	<0.1	2.32
K-0689	0.39	32	148	<0.1	9.28
K-0690	0.21	33	69	<0.1	3.93
K-0691	0.15	11	21	<0.1	1.33
K-0692	0.17	26	30	<0.1	3.03
K-0693	0.16	13	23	<0.1	2.67
K-0694	<0.1	16	17	<0.1	4.68
K-0695	0.29	35	50	0.12	9.89
K-0696	0.26	29	59	<0.1	10.2
K-0697	0.11	10	14	<0.1	3.68
K-0698	0.48	38	51	<0.1	10.8



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Work Order: 060807

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det. Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0699	0.11	13	25	<0.1	4.12
K-0700	<0.1	10	16	<0.1	1.56
K-0701	0.16	26	36	<0.1	2.47
K-0702	0.30	60	116	<0.1	15.3
K-0703	0.20	38	52	0.10	2.03
K-0704	0.23	117	51	0.13	3.37
K-0705	0.25	52	194	<0.1	39.6
K-0706	0.14	75	107	0.12	9.46
K-0707	<0.1	2	7	<0.1	3.15
K-0708	0.18	139	109	<0.1	5.51
K-0709	0.16	15	29	<0.1	2.43
K-0710	<0.1	3	209	0.11	27.3
K-0711	0.27	665	278	<0.1	9.93
K-0712	<0.1	12	84	<0.1	18.1
K-0713	<0.1	6	34	0.12	18.8
K-0714	<0.1	3	22	<0.1	11.0
K-0715	<0.1	3	34	<0.1	7.87
K-0716	<0.1	11	31	<0.1	5.08
K-0717	<0.1	4	22	<0.1	4.91
K-0718	<0.1	3	35	<0.1	4.03
K-0719	<0.1	50	28	<0.1	3.43
K-0720	<0.1	11	40	<0.1	6.28
K-0721	<0.1	3	29	<0.1	10.3
K-0722	<0.1	7	146	<0.1	14.2
K-0723	<0.1	21	30	0.11	4.65
K-0724	<0.1	25	42	<0.1	2.87
K-0725	<0.1	11	39	<0.1	17.3
K-0726	<0.1	18	46	<0.1	5.53
K-0727	<0.1	10	23	<0.1	10.2
K-0728	<0.1	4	220	<0.1	20.2
K-0729	<0.1	10	30	0.12	5.44
*Dup K-0609	0.12	10	16	<0.1	1.31
*Dup K-0621	0.10	10	20	<0.1	3.15
*Dup K-0633	<0.1	5	13	<0.1	1.62
*Dup K-0645	0.12	1	89	<0.1	31.5
*Dup K-0657	0.10	32	54	<0.1	2.00
*Dup K-0669	0.12	20	24	<0.1	3.88
*Dup K-0681	0.23	7	11	<0.1	2.52
*Dup K-0693	0.22	15	27	<0.1	3.20
*Dup K-0705	0.20	76	223	<0.1	32.3
*Dup K-0717	<0.1	5	25	<0.1	5.96
*Dup K-0729	<0.1	9	26	<0.1	4.73



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
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CERTIFICATE OF ANALYSIS

Work Order: 060808

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

Date : 09/11/00

Copy 1 to :

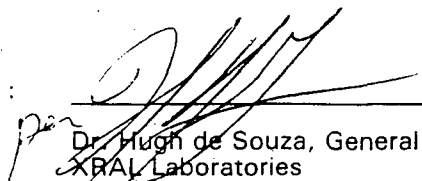
Copy 2 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 131 Soil(MMI)
Date Submitted : 23/08/00
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

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: 060808

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0730	<0.1	10	21	0.10	2.80
K-0731	<0.1	12	14	<0.1	2.09
K-0732	<0.1	11	17	0.11	2.18
K-0733	<0.1	14	16	0.11	2.66
K-0734	<0.1	19	22	0.11	2.97
K-0735	<0.1	41	33	0.13	4.16
K-0736	<0.1	33	46	<0.1	8.15
K-0737	<0.1	36	39	<0.1	10.9
K-0738	<0.1	7	36	<0.1	11.2
K-0739	<0.1	18	38	<0.1	14.9
K-0740	<0.1	25	27	<0.1	3.63
K-0741	<0.1	18	34	<0.1	5.30
K-0742	<0.1	20	42	<0.1	4.72
K-0743	<0.1	26	40	0.11	3.42
K-0744	<0.1	25	50	<0.1	9.49
K-0745	<0.1	11	38	<0.1	9.22
K-0746	<0.1	43	38	0.12	3.76
K-0747	0.12	36	66	<0.1	3.74
K-0748	0.18	69	112	<0.1	13.9
K-0749	<0.1	10	23	<0.1	1.88
K-0750	<0.1	16	30	<0.1	5.27
K-0751	<0.1	12	16	<0.1	4.38
K-0752	<0.1	16	29	<0.1	3.11
K-0753	<0.1	12	23	<0.1	5.84
K-0754	<0.1	11	23	<0.1	3.79
K-0755	<0.1	22	23	<0.1	5.28
K-0756	<0.1	15	34	0.12	7.50
K-0757	<0.1	10	27	0.11	3.61
K-0758	<0.1	2	22	<0.1	15.5
K-0759	<0.1	15	30	<0.1	2.35
K-0760	<0.1	13	26	<0.1	3.37
K-0761	<0.1	8	18	<0.1	6.69
K-0762	<0.1	6	18	<0.1	3.75
K-0763	<0.1	8	15	<0.1	1.62
K-0764	<0.1	7	20	<0.1	4.55
K-0765	<0.1	17	20	<0.1	0.72
K-0766	<0.1	5	15	<0.1	0.81
K-0767	<0.1	3	16	<0.1	1.03
K-0768	<0.1	7	27	<0.1	3.59
K-0769	0.12	44	36	<0.1	2.90
K-0770	<0.1	15	58	<0.1	3.41
K-0771	<0.1	8	19	<0.1	0.73
K-0772	<0.1	26	31	<0.1	3.92
K-0773	0.18	10	347	<0.1	11.9
K-0774	0.40	83	1320	<0.1	26.5



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Work Order: 060808

Date: 09/11/00

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K-0775	<0.1	20	36	<0.1	2.98
K-0776	0.13	84	70	<0.1	1.59
K-0777	<0.1	20	58	0.13	5.59
K-0778	0.11	21	41	<0.1	3.10
K-0779	<0.1	18	24	<0.1	1.35
K-0780	<0.1	8	18	<0.1	0.70
K-0781	<0.1	7	36	<0.1	1.79
K-0782	<0.1	19	23	<0.1	0.46
K-0783	<0.1	16	34	<0.1	0.43
K-0784	<0.1	21	39	<0.1	0.85
K-0785	<0.1	6	15	<0.1	0.88
K-0786	<0.1	23	23	<0.1	1.47
K-0787	<0.1	17	31	<0.1	5.30
K-0788	<0.1	13	33	<0.1	2.44
K-0789	<0.1	24	24	0.12	2.18
K-0790	<0.1	37	27	<0.1	0.58
K-0791	<0.1	11	17	<0.1	3.19
K-0792	<0.1	13	32	<0.1	3.11
K-0793	<0.1	6	18	<0.1	1.41
K-0794	0.15	14	129	<0.1	4.31
K-0795	<0.1	20	28	<0.1	4.48
K-0796	0.21	27	130	<0.1	7.38
K-0797	0.15	14	61	<0.1	9.40
K-0798	0.11	15	39	<0.1	4.86
K-0799	<0.1	67	65	<0.1	2.48
K-0800	<0.1	12	57	<0.1	5.24
K-0801	<0.1	16	29	<0.1	3.35
K-0802	0.12	128	391	<0.1	6.37
K-0803	0.17	58	150	<0.1	3.40
K-0804	<0.1	12	47	<0.1	2.20
K-0805	0.11	26	57	<0.1	2.20
K-0806	<0.1	19	46	<0.1	1.12
K-0807	<0.1	16	43	<0.1	3.97
K-0808	<0.1	21	36	<0.1	2.37
K-0809	<0.1	32	70	<0.1	0.42
K-0810	0.12	27	74	<0.1	1.40
K-0811	<0.1	25	51	<0.1	2.65
K-0812	<0.1	20	55	0.10	12.1
K-0813	0.24	73	107	0.12	10.8
K-0814	0.15	35	65	0.12	1.55
K-0815	<0.1	21	47	<0.1	3.29
K-0816	<0.1	12	18	<0.1	6.99
K-0817	<0.1	8	29	<0.1	4.88
K-0818	<0.1	10	14	<0.1	0.74
K-0819	<0.1	8	15	<0.1	0.75



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Work Order: 060808

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0820	0.11	17	19	<0.1	3.54
K-0821	<0.1	26	25	<0.1	4.35
K-0822	0.28	22	164	<0.1	6.99
K-0823	<0.1	11	20	<0.1	0.68
K-0824	0.14	32	51	<0.1	1.00
K-0825	<0.1	4	13	<0.1	0.94
K-0826	<0.1	11	17	0.11	0.74
K-0827	<0.1	12	25	<0.1	1.31
K-0828	0.15	8	34	<0.1	5.12
K-0829	<0.1	40	28	<0.1	1.43
K-0830	<0.1	16	21	<0.1	2.10
K-0831	0.36	16	25	<0.1	7.07
K-0832	0.24	16	27	<0.1	4.03
K-0833	0.43	18	29	<0.1	4.48
K-0834	0.41	9	15	<0.1	9.03
K-0835	0.40	19	24	<0.1	1.81
K-0836	0.19	20	32	<0.1	1.70
K-0837	0.25	6	13	<0.1	1.59
K-0838	0.73	8	28	<0.1	8.41
K-0839	0.39	11	17	<0.1	4.09
K-0840	0.24	10	14	<0.1	34.7
K-0841	0.29	8	14	<0.1	3.71
K-0842	0.29	10	21	<0.1	9.53
K-0843	0.12	7	13	<0.1	1.98
K-0844	<0.1	3	9	<0.1	1.03
K-0845	0.52	15	17	<0.1	5.55
K-0846	0.19	7	12	<0.1	3.84
K-0847	0.13	9	15	<0.1	7.47
K-0848	0.17	6	10	<0.1	2.48
K-0849	0.16	11	23	<0.1	8.55
K-0850	<0.1	6	11	<0.1	2.12
K-0851	0.15	6	13	<0.1	4.55
K-0852	<0.1	14	17	<0.1	1.32
K-0853	0.25	11	16	<0.1	49.6
K-0854	0.11	13	17	<0.1	3.06
EE01	<0.1	7	20	<0.1	9.43
EE02	<0.1	6	18	<0.1	0.63
EE03	<0.1	13	18	<0.1	1.60
EE04	<0.1	5	17	<0.1	3.99
EE05	<0.1	9	21	<0.1	0.81
EE06	<0.1	6	19	<0.1	0.60
*Dup K-0730	<0.1	10	20	<0.1	3.13
*Dup K-0742	<0.1	20	42	<0.1	4.76
*Dup K-0754	<0.1	10	19	<0.1	4.17
*Dup K-0766	<0.1	5	12	<0.1	0.80



XRAL Laboratories
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Work Order: 060808

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K-0778	0.16	20	44	<0.1	2.58
*Dup K-0790	<0.1	47	29	<0.1	0.58
*Dup K-0802	0.11	106	343	<0.1	7.17
*Dup K-0814	<0.1	30	49	<0.1	1.24
*Dup K-0826	<0.1	7	13	<0.1	0.61
*Dup K-0838	0.64	9	29	<0.1	7.50
*Dup K-0850	<0.1	7	12	<0.1	2.48



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: 060942

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

Date : 09/11/00

Copy 1 to :

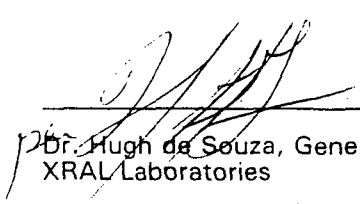
Copy 2 to :

P.O. No. :
Project No. :
No. of Samples : 126 Soil (MMI)
Date Submitted : 05/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 4

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

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



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Work Order: 060942

Date: 09/11/00

FINAL

Page 1 of 4

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
W-001	<0.1	8	16	0.13	0.92
W-002	<0.1	3	18	0.15	1.54
W-003	<0.1	1	10	0.11	4.90
W-004	<0.1	2	8	<0.1	0.85
W-005	<0.1	5	11	<0.1	1.03
W-006	0.32	6	90	0.11	21.7
W-007	<0.1	3	9	0.14	2.89
W-008	<0.1	3	23	<0.1	2.83
W-009	0.10	4	14	0.15	9.65
W-010	<0.1	3	17	<0.1	1.18
W-011	<0.1	4	12	<0.1	1.35
W-012	<0.1	9	17	<0.1	0.99
W-013	<0.1	4	19	<0.1	20.8
W-014	<0.1	4	21	0.14	6.83
W-015	<0.1	6	16	0.13	3.06
W-016	<0.1	6	17	0.14	13.7
W-017	<0.1	2	24	<0.1	9.53
W-018	<0.1	6	23	0.13	6.39
W-019	<0.1	2	24	<0.1	25.8
W-020	<0.1	11	18	0.13	4.06
W-021	0.24	4	55	<0.1	6.19
W-022	<0.1	6	36	<0.1	5.28
W-023	0.16	63	69	<0.1	2.77
W-024	0.11	12	55	0.12	2.17
W-025	<0.1	6	39	0.13	14.6
W-026	<0.1	5	21	<0.1	3.41
W-027	<0.1	7	19	0.13	4.50
W-028	<0.1	8	21	<0.1	11.3
W-029	<0.1	5	13	0.15	20.7
W-030	0.12	3	16	<0.1	8.36
W-031	0.13	14	59	0.14	11.8
W-032	0.56	7	190	0.15	74.8
W-033	0.17	4	22	0.11	8.57
W-034	0.33	6	24	<0.1	9.07
W-035	0.14	6	144	<0.1	40.8
W-036	0.96	20	172	<0.1	151
W-037	0.80	15	443	<0.1	51.5
W-038	0.50	7	238	<0.1	19.8
W-039	0.36	3	269	<0.1	31.2
W-040	<0.1	6	17	0.15	11.1
W-041	0.47	5	733	0.11	28.5
W-042	0.31	4	371	0.11	34.9
W-043	0.16	2	125	<0.1	7.60
W-044	0.17	2	187	<0.1	42.2
W-045	2.00	13	561	<0.1	90.2



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Work Order: 060942

Date: 09/11/00

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
W-046	0.12	5	17	<0.1	32.1
W-047	0.14	8	15	0.12	17.3
W-048	0.20	5	13	0.13	21.4
W-049	0.15	5	11	<0.1	9.34
W-050	0.28	5	13	0.14	20.5
W-051	0.19	4	10	0.14	9.73
W-052	0.54	4	11	<0.1	10.2
W-053	0.33	22	23	<0.1	4.45
W-054	0.35	2	12	<0.1	15.5
W-055	<0.1	1	10	0.13	17.6
W-056	0.55	6	975	0.14	43.4
W-057	0.16	6	16	<0.1	14.5
W-058	0.25	3	21	<0.1	108
W-059	<0.1	3	27	0.14	25.5
W-060	0.56	2	114	<0.1	13.6
W-061	0.22	1	322	<0.1	33.4
W-062	0.16	6	106	0.11	45.0
W-063	0.33	8	124	<0.1	45.4
W-064	0.22	6	101	<0.1	30.0
W-065	0.19	9	31	<0.1	14.3
W-066	0.26	3	48	<0.1	18.2
W-067	0.59	2	444	0.14	30.8
W-068	0.14	21	133	<0.1	33.0
W-069	0.14	14	22	<0.1	17.0
W-070	0.27	2	222	<0.1	40.6
W-071	<0.1	2	50	<0.1	1.81
W-072	0.28	2	422	<0.1	18.2
W-073	0.49	2	133	0.12	10.9
W-074	0.31	3	194	<0.1	31.0
W-075	0.13	15	60	<0.1	11.9
W-076	0.16	4	22	<0.1	7.30
W-077	<0.1	10	37	0.11	24.9
W-078	0.22	44	34	<0.1	8.51
W-079	<0.1	7	38	0.14	78.2
W-080	<0.1	22	23	0.13	27.3
W-081	0.11	1	99	<0.1	7.43
W-082	0.13	10	106	<0.1	74.6
W-083	<0.1	3	152	<0.1	48.4
W-084	<0.1	2	88	<0.1	25.0
W-085	<0.1	8	21	0.11	9.74
W-086	<0.1	27	28	0.14	11.5
W-087	<0.1	3	11	0.14	20.9
W-088	<0.1	8	13	0.11	14.7
W-089	<0.1	3	10	0.13	4.24
W-090	<0.1	5	15	<0.1	7.23



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Work Order: 060942

Date: 09/11/00

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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
W-091	0.15	17	19	<0.1	19.3
W-092	0.14	6	16	<0.1	11.1
K-0855	0.41	81	78	0.14	3.26
K-0856	0.17	10	16	<0.1	7.96
K-0857	0.20	8	26	<0.1	21.3
K-0858	0.81	16	26	0.11	44.0
K-0859	<0.1	6	18	<0.1	13.4
K-0860	0.14	8	16	<0.1	12.0
K-0861	0.11	2	19	0.11	4.34
K-0862	<0.1	1	24	0.11	33.0
K-0863	0.10	14	19	0.12	9.06
K-0864	0.13	<1	35	0.11	17.3
K-0865	<0.1	11	13	<0.1	17.1
K-0866	0.19	8	14	0.10	7.87
K-0867	0.20	14	28	<0.1	7.47
K-0868	0.16	8	15	<0.1	3.11
K-0869	0.13	11	16	0.14	3.87
K-0870	0.18	12	21	<0.1	1.66
K-0871	0.17	21	29	<0.1	5.99
K-0872	0.20	20	24	<0.1	2.92
K-0873	0.34	30	41	0.15	8.53
K-0874	0.18	13	30	<0.1	2.95
K-0875	0.11	20	24	0.15	6.26
K-0876	<0.1	11	32	<0.1	9.35
K-0877	0.15	2	44	<0.1	12.8
K-0878	0.16	119	139	<0.1	4.15
K-0879	<0.1	10	16	0.14	14.4
K-0880	<0.1	11	20	<0.1	1.40
K-0881	<0.1	9	14	0.13	4.80
K-0882	0.26	6	12	<0.1	12.1
K-0883	0.32	2	20	<0.1	44.6
K-0884	<0.1	5	14	0.14	8.12
K-0885	0.13	15	19	<0.1	6.80
K-0886	0.14	9	14	<0.1	49.3
K-0887	0.16	6	19	<0.1	11.2
K-0888	0.19	21	21	<0.1	18.5
*Dup W-001	<0.1	8	15	0.11	0.78
*Dup W-013	<0.1	5	18	<0.1	18.5
*Dup W-025	<0.1	7	50	0.11	12.0
*Dup W-037	0.94	11	476	0.14	59.6
*Dup W-049	0.17	5	10	0.11	10.8
*Dup W-061	0.20	2	340	0.12	39.5
*Dup W-073	0.65	2	133	0.12	13.4
*Dup W-085	0.11	7	22	0.14	8.83
*Dup K-0859	<0.1	6	19	0.15	10.9



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Work Order: 060942

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K-0871	0.12	21	26	<0.1	4.89
*Dup K-0883	0.25	3	24	0.12	37.4



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: 060943

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

Date : 09/11/00

Copy 1 to :

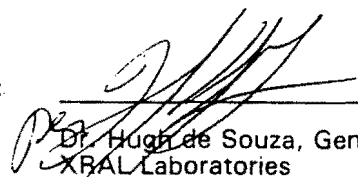
Copy 2 to :

P.O. No. :
Project No. :
No. of Samples : 120 Soil (MMI)
Date Submitted : 05/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060943

Date: 09/11/00

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Page 1 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K-0889	<0.1	4	11	<0.1	25.3
K-0890	0.69	9	19	<0.1	16.3
K-0891	0.13	13	12	0.14	24.8
K-0892	0.31	8	12	<0.1	57.2
K-0893	<0.1	9	13	0.13	19.9
K-0894	<0.1	10	13	0.13	30.9
K-0895	<0.1	12	18	<0.1	24.8
K-0896	<0.1	10	17	<0.1	53.1
K-0897	0.48	10	20	<0.1	14.6
K-0898	<0.1	9	13	<0.1	7.85
K-0899	0.15	18	54	0.13	29.9
K-0900	<0.1	11	22	<0.1	6.50
K-0901	0.19	31	47	<0.1	2.99
K-0902	0.24	31	30	<0.1	18.0
K-0903	<0.1	5	74	<0.1	19.5
K-0904	<0.1	23	31	<0.1	10.7
K-0905	0.10	18	28	<0.1	16.7
K-0906	<0.1	37	106	<0.1	6.55
K-0907	<0.1	20	349	0.13	17.6
K-0908	0.16	177	327	<0.1	4.95
K-0909	0.31	162	263	<0.1	4.36
K-0910	<0.1	133	143	<0.1	4.12
K-0911	0.43	68	161	0.11	17.0
K-0912	<0.1	64	86	<0.1	1.79
K-0913	<0.1	9	78	<0.1	9.68
K-0914	<0.1	13	18	<0.1	2.70
K-0915	0.22	7	11	<0.1	13.6
K-0916	1.02	17	26	<0.1	8.11
K-0917	<0.1	10	20	0.11	7.46
K-0918	0.30	152	184	<0.1	5.08
K-0920	<0.1	11	12	<0.1	2.51
K-0921	<0.1	5	9	0.12	8.77
K-0922	<0.1	8	13	0.13	1.32
K-0923	<0.1	7	20	<0.1	4.73
K-0924	<0.1	13	11	<0.1	5.07
K-0925	0.19	18	14	<0.1	7.32
K-0926	<0.1	9	16	<0.1	4.04
K-0927	<0.1	12	28	<0.1	13.2
K-0928	0.12	23	31	<0.1	8.10
K-0929	<0.1	12	26	0.11	10.7
K-0930	<0.1	14	26	0.14	6.38
K-0931	<0.1	8	56	<0.1	11.4
K-0932	<0.1	31	37	<0.1	4.29
K-0933	0.28	67	72	<0.1	2.38
K-0934	<0.1	29	24	<0.1	4.55



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Work Order: 060943

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K-0935	<0.1	11	29	0.11	1.10
K-0936	0.11	25	37	<0.1	1.49
K-0937	0.11	30	40	<0.1	3.50
K-0938	<0.1	29	36	0.10	2.86
K-0939	0.10	34	76	<0.1	3.34
K-0940	<0.1	47	66	<0.1	2.50
K-0941	0.23	15	327	<0.1	14.1
K-0942	<0.1	11	138	<0.1	7.57
K-0943	0.11	85	337	<0.1	7.41
K-0944	<0.1	15	137	0.12	6.77
K-0945	<0.1	15	125	0.11	2.34
K-0946	<0.1	13	71	<0.1	2.79
K-0947	0.25	39	209	0.15	9.62
K-0948	2.30	10	149	<0.1	8.95
K-0949	<0.1	4	150	0.13	20.3
K-0950	<0.1	8	12	<0.1	2.76
K-0951	<0.1	14	30	0.12	4.08
K-0952	<0.1	42	55	<0.1	1.34
K-0953	<0.1	7	44	0.13	8.51
K-0954	<0.1	16	69	<0.1	9.46
K-0955	0.10	20	258	<0.1	8.94
K-0956	<0.1	6	40	<0.1	8.35
K-0957	<0.1	23	40	<0.1	12.5
K-0958	<0.1	8	47	<0.1	7.25
K-0959	<0.1	12	38	<0.1	22.8
K-0960	<0.1	9	28	<0.1	6.00
K-0961	0.14	21	49	<0.1	3.42
K-0962	<0.1	12	30	0.11	1.71
K-0963	<0.1	9	26	<0.1	1.72
K-0964	<0.1	12	23	<0.1	2.34
K-0965	<0.1	10	28	<0.1	2.93
K-0966	<0.1	27	29	0.14	6.08
K-0967	<0.1	12	23	<0.1	4.65
K-0968	<0.1	7	21	<0.1	2.36
K-0969	<0.1	9	18	<0.1	1.74
K-0970	<0.1	13	20	0.11	2.27
K-0971	<0.1	6	21	<0.1	1.35
K-0972	<0.1	17	25	0.13	2.55
K-0973	<0.1	10	16	<0.1	1.39
K-0974	<0.1	13	34	<0.1	1.84
K-0975	<0.1	5	24	<0.1	3.63
K-0976	<0.1	12	30	<0.1	3.53
K-0977	0.31	56	37	0.13	4.76
K-0978	<0.1	14	18	<0.1	2.52
K-0979	<0.1	12	38	<0.1	3.94

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Work Order: 060943

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K-0980	0.13	49	134	0.10	6.11
K-0981	<0.1	30	69	0.14	15.9
K-0982	0.13	17	29	0.12	5.96
K-0983	0.16	18	27	<0.1	5.29
K-0984	<0.1	13	22	<0.1	3.93
K-0985	0.16	11	27	<0.1	1.99
K-0986	0.13	38	142	<0.1	6.46
K-0987	0.16	24	37	0.14	2.54
K-0988	<0.1	16	32	<0.1	2.79
K-0989	<0.1	16	20	0.14	0.90
K-0990	0.10	9	15	<0.1	1.91
K-0991	<0.1	1	14	0.15	2.93
K-0992	<0.1	2	17	<0.1	3.71
K-0993	<0.1	3	12	<0.1	2.94
K-0994	<0.1	<1	12	<0.1	2.13
K-0995	<0.1	2	20	<0.1	3.87
K-0996	<0.1	2	13	<0.1	1.65
K-0997	<0.1	3	18	<0.1	5.78
K-0998	<0.1	11	14	<0.1	2.87
K-0999	<0.1	14	31	0.13	7.68
K-1000	<0.1	10	22	0.13	1.68
K-1001	0.24	43	59	<0.1	6.22
K-1002	0.18	6	21	<0.1	2.35
K-1003	<0.1	26	75	<0.1	18.4
K-1004	<0.1	18	29	<0.1	8.94
K-1005	<0.1	17	38	<0.1	26.7
K-1006	<0.1	8	20	<0.1	5.04
K-1007	<0.1	13	17	<0.1	0.98
K-1008	<0.1	12	21	0.12	4.95
K-1009	0.10	8	16	0.12	1.78
*Dup K-0889	<0.1	4	13	<0.1	26.6
*Dup K-0901	0.28	34	54	0.15	2.69
*Dup K-0913	<0.1	7	126	<0.1	9.18
*Dup K-0926	<0.1	10	16	<0.1	4.39
*Dup K-0938	<0.1	31	36	<0.1	2.52
*Dup K-0950	<0.1	9	10	<0.1	2.09
*Dup K-0962	0.13	14	27	0.12	1.81
*Dup K-0974	<0.1	15	21	<0.1	1.89
*Dup K-0986	0.14	38	168	<0.1	6.36
*Dup K-0998	0.15	10	13	<0.1	2.54



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 060944

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

Date : 09/11/00

Copy 1 to :

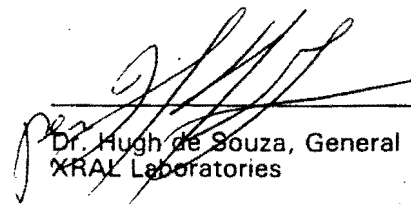
Copy 2 to :

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

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

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



XRAL Laboratories
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Work Order: 060944

Date: 09/11/00

FINAL

Page 1 of 3

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



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Work Order: 060944

Date: 09/11/00

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060944

Date: 09/11/00

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



XRAL Laboratories
A Division of SGS Canada Inc.

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

CERTIFICATE OF ANALYSIS

Work Order: 061248

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

Date : 09/11/00

Copy 1 to :

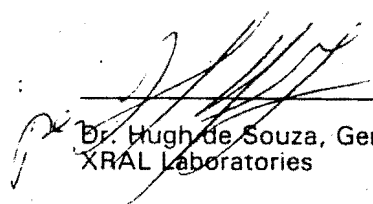
Copy 2 to :

P.O. No. :
Project No. : Kbrdike/KSL/Strike
No. of Samples : 103 Soil(MMI)
Date Submitted : 25/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

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



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 061248

Date: 09/11/00

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
K 1050	0.12	42	41	0.13	11.9
K 1051	0.13	9	12	<0.1	1.89
K 1052	<0.1	6	15	<0.1	1.01
K 1053	<0.1	10	18	0.12	2.55
K 1054	<0.1	23	60	0.13	0.70
K 1055	<0.1	9	20	<0.1	3.67
K 1056	<0.1	29	33	<0.1	3.56
K 1057	0.11	107	63	0.11	4.84
K 1058	<0.1	3	31	<0.1	6.29
K 1059	<0.1	8	72	0.15	1.31
K 1060	0.11	34	35	0.14	9.28
K 1061	0.20	14	23	0.11	7.13
K 1062	<0.1	10	17	0.10	1.69
K 1063	<0.1	8	13	<0.1	1.34
K 1064	<0.1	8	22	<0.1	3.24
K 1065	<0.1	6	17	<0.1	13.0
K 1066	<0.1	6	40	<0.1	50.4
K 1067	<0.1	1	21	<0.1	4.83
K 1068	<0.1	2	42	0.10	2.38
K 1069	<0.1	5	59	<0.1	7.64
K 1070	0.11	7	97	<0.1	6.69
K 1071	<0.1	4	28	<0.1	2.87
K 1072	<0.1	7	27	<0.1	14.0
K 1073	<0.1	7	28	<0.1	2.14
K 1074	<0.1	2	33	0.11	8.20
K 1075	<0.1	4	27	<0.1	11.0
K 1076	<0.1	3	28	<0.1	5.42
K 1077	<0.1	13	47	0.12	6.74
K 1078	<0.1	13	19	<0.1	5.38
K 1079	<0.1	26	29	<0.1	3.31
K 1080	<0.1	15	35	<0.1	1.79
K 1081	<0.1	7	26	<0.1	4.68
K 1082	<0.1	13	16	<0.1	1.96
K 1083	<0.1	10	15	<0.1	8.86
K 1084	0.34	17	52	0.12	8.48
K 1085	<0.1	7	70	<0.1	5.10
K 1086	<0.1	11	36	<0.1	3.23
K 1087	<0.1	11	42	<0.1	22.8
K 1088	<0.1	15	24	<0.1	8.71
K 1089	<0.1	18	31	<0.1	41.3
K 1090	<0.1	34	37	0.14	13.6
K 1091	<0.1	32	34	<0.1	8.11
K 1092	<0.1	8	30	0.14	21.0
K 1093	<0.1	17	28	<0.1	38.2
K 1094	<0.1	26	33	<0.1	10.9



XRAL Laboratories
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Work Order: 061248

Date: 09/11/00

FINAL

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K 1095	<0.1	13	29	<0.1	14.9
K 1096	<0.1	11	27	<0.1	11.8
K 1097	<0.1	16	22	<0.1	11.7
K 1098	<0.1	14	32	<0.1	30.5
K 1099	<0.1	12	26	0.11	23.8
K 1100	<0.1	14	36	<0.1	40.3
K 1101	0.16	13	23	<0.1	43.9
K 1102	<0.1	17	22	<0.1	27.1
K 1103	<0.1	20	34	<0.1	26.4
K 1104	0.13	12	27	<0.1	178
K 1105	<0.1	21	23	<0.1	15.8
K 1106	<0.1	8	27	0.11	147
K 1107	<0.1	8	14	0.12	0.68
K 1108	<0.1	14	25	0.12	18.7
K 1109	<0.1	9	44	0.14	23.6
K 1110	<0.1	10	21	0.12	88.4
K 1111	0.36	2	243	<0.1	48.9
K 1112	<0.1	26	38	<0.1	5.16
K 1113	<0.1	71	226	<0.1	7.75
K 1114	<0.1	14	38	0.12	7.24
K 1115	<0.1	9	29	0.12	3.74
K 1116	<0.1	51	107	0.11	4.55
K 1117	<0.1	20	75	<0.1	20.9
K 1118	0.20	16	47	<0.1	20.0
K 1119	<0.1	17	49	<0.1	17.9
K 1120	<0.1	9	24	<0.1	0.73
K 1121	<0.1	23	31	<0.1	1.19
K 1122	<0.1	34	37	0.10	2.22
K 1123	<0.1	23	41	0.12	4.04
K 1124	<0.1	22	36	<0.1	5.68
K 1125	0.10	29	48	0.14	21.2
K 1126	<0.1	10	15	0.12	28.2
K 1127	0.14	8	32	<0.1	242
K 1128	<0.1	24	35	<0.1	3.99
K 1129	0.50	2	158	<0.1	23.7
K 1130	0.43	31	51	<0.1	1.21
K 1131	<0.1	3	119	<0.1	3.47
K 1132	<0.1	7	44	<0.1	4.04
K 1133	<0.1	9	26	<0.1	8.09
K 1134	0.87	22	36	0.15	9.88
K 1135	0.14	12	35	<0.1	4.04
K 1136	0.71	31	35	0.12	7.89
K 1137	0.20	47	47	<0.1	6.23
K 1138	0.24	73	240	<0.1	4.19
K 1139	0.37	117	263	<0.1	4.52

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A Division of SGS Canada Inc.

Work Order: 061248

Date: 09/11/00

FINAL

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K 1140	0.27	124	172	<0.1	2.46
K 1141	0.22	199	300	<0.1	3.57
K 1142	0.66	14	180	<0.1	2.37
K 1143	0.26	97	172	0.14	3.02
K 1144	0.13	13	112	<0.1	8.02
K 1145	0.13	11	236	0.11	40.9
K 1146	<0.1	52	67	<0.1	1.88
K 1147	<0.1	18	169	0.13	8.76
K 1148	0.23	21	394	<0.1	21.6
K 1149	<0.1	22	92	<0.1	3.95
K 1150	<0.1	52	42	0.11	9.05
K 1151	<0.1	33	38	<0.1	14.3
K 1152	<0.1	33	32	0.13	2.92
*Dup K 1050	<0.1	49	36	<0.1	10.8
*Dup K 1062	<0.1	9	18	<0.1	1.46
*Dup K 1074	<0.1	2	30	<0.1	7.28
*Dup K 1086	<0.1	13	37	<0.1	2.91
*Dup K 1098	0.15	15	35	<0.1	33.7
*Dup K 1110	0.15	11	23	<0.1	100.0
*Dup K 1122	<0.1	33	38	0.10	2.68
*Dup K 1134	1.00	25	37	<0.1	9.40
*Dup K 1146	<0.1	59	70	0.10	1.64



XRAL Laboratories
A Division of SGS Canada Inc.

1865 Leslie Street
Don Mills, Ontario
Canada M3B 3M
Telephone (416) 445-5765
Fax (416) 445 4152

CERTIFICATE OF ANALYSIS

Work Order: 060219

To: KSL Exploration Limited
Attn: R G Adamson
C/-R G Adamson
Rm 293, El Dorado Hotel
DAWSON CITY
YUKON/CANADA/Y0B 2G0

Date : 30/08/00

Copy 1 to :

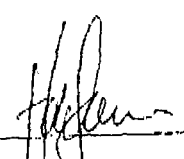
Copy 2 to :

P.O. No. :
Project No. : Klondike
No. of Samples : 130 Soil(MMI)
Date Submitted : 17/07/00
Report Comprises : Cover Sheet plus
Pages 1 to 6

Please Note:
Some duplicates are not very good due to inhomogeneous samples.

Distribution of unused material:
Pulps: Discarded After 90 Days Unless Instructed!!!
Rejects: Discarded After 90 Days Unless Instructed!!!

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

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



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Work Order: 060219

Date: 31/08/00

FINAL

Page 1 of 4

Element	Au	Ce	Ni	Pd	Ag
Method	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Conc.	0.1	1	3	0.1	0.1
Unit	ppb	ppb	ppb	ppb	ppb
K-0216	0.32	39	26	<0.1	4.02
K-0217	0.60	30	28	0.45	5.79
K-0218	0.82	30	29	<0.1	18.9
K-0219	0.82	14	18	<0.1	6.39
K-0220	0.26	10	22	<0.1	8.76
K-0221	0.52	50	24	0.11	4.65
K-0222	0.39	17	26	<0.1	3.56
K-0223	0.82	25	23	<0.1	33.9
K-0224	2.88	92	51	0.20	19.0
K-0225	1.81	23	22	0.10	15.9
K-0226	2.21	108	87	<0.1	32.5
K-0227	3.18	14	54	0.15	6.29
K-0228	0.80	69	54	0.12	4.86
K-0229	<0.1	19	17	<0.1	3.73
K-0230	0.23	24	25	<0.1	4.20
K-0231	0.27	15	24	<0.1	1.23
K-0232	0.71	18	24	<0.1	5.48
K-0233	0.16	19	26	<0.1	3.26
K-0234	0.21	8	10	<0.1	7.17
K-0235	<0.1	14	10	<0.1	23.0
K-0237	1.84	151	141	0.15	3.51
K-0238	1.34	17	25	<0.1	2.71
K-0239	0.85	18	24	<0.1	6.97
K-0240	0.18	13	19	<0.1	9.88
K-0241	<0.1	12	25	<0.1	3.34
K-0242	0.21	13	21	<0.1	8.14
K-0243	<0.1	14	12	<0.1	0.66
K-0244	<0.1	8	12	<0.1	2.48
K-0245	<0.1	22	20	<0.1	9.23
K-0246	<0.1	13	15	<0.1	18.3
K-0247	<0.1	18	18	<0.1	2.23
K-0248	<0.1	7	11	<0.1	1.79
K-0249	<0.1	92	48	<0.1	1.60
K-0250	<0.1	3	9	<0.1	4.81
K-0251	<0.1	7	14	<0.1	5.49
K-0252	<0.1	8	13	<0.1	3.28
K-0253	1.34	88	29	<0.1	7.53
K-0254	<0.1	6	11	<0.1	0.53
K-0255	0.13	12	16	<0.1	1.27
K-0256	0.41	18	25	<0.1	2.18
K-0257	0.40	17	24	<0.1	2.66
K-0258	0.50	101	45	<0.1	2.46
K-0259	0.28	10	26	<0.1	0.92
K-0260	0.61	18	31	<0.1	2.96
K-0261	0.60	22	20	<0.1	3.63

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Page 2 of 4

Work Order: 060219

Date: 31/08/00

Element, Method, Doc No., Or	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K-0262	<0.1	16	31	<0.1	2.74
K-0263	0.10	5	10	<0.1	0.65
K-0264	<0.1	27	22	<0.1	4.29
K-0265	<0.1	51	24	<0.1	3.48
K-0266	0.43	9	12	<0.1	7.67
K-0267	0.40	15	25	<0.1	17.4
K-0268	0.22	13	24	<0.1	1.35
K-0269	0.38	12	29	<0.1	4.36
K-0270	0.12	12	31	<0.1	8.69
K-0271	0.21	8	19	<0.1	4.22
K-0272	0.22	17	39	<0.1	5.36
K-0273	0.23	17	40	0.11	2.47
K-0274	0.14	30	39	0.15	0.59
K-0275	0.26	91	84	<0.1	2.55
K-0276	0.31	32	37	<0.1	9.47
K-0277	0.35	37	51	<0.1	7.46
K-0278	0.42	20	41	0.10	2.99
K-0279	0.22	16	29	<0.1	4.14
K-0280	0.20	15	23	<0.1	2.15
K-0281	0.11	9	23	<0.1	4.45
K-0282	0.27	26	62	<0.1	4.49
K-0283	0.10	6	12	<0.1	2.90
K-0284	0.18	23	32	<0.1	2.61
K-0285	0.22	25	38	<0.1	2.32
K-0286	0.16	19	24	<0.1	3.12
K-0287	<0.1	15	15	<0.1	8.31
K-0288	<0.1	8	15	<0.1	0.72
K-0289	0.13	106	64	<0.1	11.0
K-0290	0.13	16	31	<0.1	1.84
K-0291	0.41	15	27	<0.1	1.23
K-0292	0.30	12	18	<0.1	1.92
K-0293	0.34	16	27	<0.1	3.58
K-0294	0.19	11	23	<0.1	2.06
K-0295	0.20	19	28	<0.1	2.12
K-0296	0.15	10	21	<0.1	9.04
K-0297	0.25	23	37	<0.1	1.70
K-0298	0.16	11	25	<0.1	2.03
K-0299	0.41	20	26	<0.1	1.41
K-0300	0.19	12	21	<0.1	2.04
K-0302	0.86	29	18	<0.1	1.56
K-0303	0.53	25	24	0.12	1.77
K-0304	0.21	13	17	<0.1	0.67
K-0305	0.38	22	26	0.14	2.07
K-0306	0.39	49	55	<0.1	1.89
K-0307	0.44	45	32	<0.1	1.87



XRAL Laboratories
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FINAL

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Work Order: 060219 Date: 31/08/00

current method ref. n.	Au MMH-B 0.1 ppb	Co MMH-B 1 ppb	Ni MMH-B 3 ppb	Pd MMH-B 0.1 ppb	Ag MMH-B 0.1 ppb
K-0308	0.41	46	36	<0.1	2.39
K-0309	0.36	13	18	<0.1	2.77
K-0310	3.37	24	29	<0.1	3.80
K-0311	1.82	6	13	<0.1	6.77
K-0312	5.07	11	13	<0.1	8.72
K-0313	3.80	14	11	<0.1	3.75
K-0314	<0.1	2	6	<0.1	5.54
K-0315	0.18	3	5	<0.1	2.10
K-0316	0.13	3	7	<0.1	10.9
K-0317	2.30	53	40	<0.1	4.29
K-0318	0.81	25	21	<0.1	3.51
K-0319	<0.1	15	27	<0.1	1.64
K-0320	0.21	23	36	<0.1	1.95
K-0321	1.24	27	33	<0.1	3.60
K-0322	0.22	68	59	<0.1	3.80
K-0323	0.22	60	65	<0.1	3.38
K-0324	0.29	153	297	<0.1	2.81
K-0325	<0.1	14	96	<0.1	6.36
K-0326	<0.1	22	82	<0.1	5.65
K-0327	0.32	56	114	0.14	6.52
K-0328	0.21	78	102	0.10	100
K-0329	0.30	53	82	<0.1	8.61
K-0330	<0.1	28	26	<0.1	5.25
K-0331	0.12	16	25	<0.1	6.03
K-0332	0.18	31	33	<0.1	3.80
K-0333	0.14	24	35	<0.1	1.91
K-0334	<0.1	19	16	<0.1	2.72
K-0335	0.23	66	85	<0.1	3.34
K-0336	0.19	6	35	<0.1	2.52
K-0337	0.30	39	38	<0.1	3.03
K-0338	0.15	13	11	<0.1	1.23
K-0339	<0.1	2	4	<0.1	6.75
K-0340	<0.1	3	4	<0.1	2.30
K-0341	<0.1	4	5	<0.1	2.32
K-0342	<0.1	7	8	<0.1	4.77
K-0343	0.11	13	15	<0.1	2.97
K-0344	0.25	47	92	<0.1	3.42
K-0345	<0.1	8	25	<0.1	4.40
K-0346	<0.1	41	21	<0.1	5.72
K-0347	<0.1	4	4	<0.1	1.19
*Dup K-0216	0.22	28	23	<0.1	3.52
*Dup K-0228	0.87	62	51	0.12	4.51
*Dup K-0241	0.10	12	24	<0.1	3.31
*Dup K-0253	1.09	93	23	<0.1	5.58
*Dup K-0263	0.11	51	28	<0.1	3.27



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060219

Date: 31/08/00

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Element	Au	Co	Ni	Pd	Ag
Method	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Unit	0.1 ppb	1 ppb	3 ppb	0.1 ppb	0.1 ppb
Dup K 0277	0.21	41	23	<0.1	6.15
Dup K 0289	0.17	107	75	0.13	9.77
Dup K 0302	0.95	27	22	<0.1	1.45
Dup K 0311	<0.1	2	6	<0.1	5.21
Dup K 0326	<0.1	21	76	<0.1	5.47
Dup K 0338	0.15	11	14	<0.1	1.75

XRALXRAL Laboratories
A Division of SGS Canada Inc.1285 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445 4152**CERTIFICATE OF ANALYSIS**

Work Order: 060434

To: KSL Exploration Limited
Attn: R G Adamson
C/-R G Adamson
Rm 293, El Dorado Hotel
DAWSON CITY
YUKON/CANADA/Y0B 2G0

Date : 30/08/00

Copy 1 to :

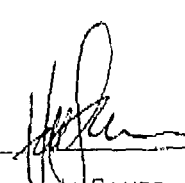
Copy 2 to :

P.O. No. :
Project No. : KLONDIKE
No. of Samples : 142 SOIL
Date Submitted : 31/07/00
Report Comprises : Cover Sheet plus
Pages 1 to 4

Distribution of unused material:

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

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories**ISO 9002 REGISTERED**

Report Footer:

L.N.R.
n.s.
*INF= Listed not received
= Not applicable
= Composition of this sample makes detection impossible by this methodI.S. = Insufficient Sample
-- = No result

XRALXRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060434

Date: 30/08/00

FINAL

Page 1 of 4

Element	Au	Co	Ni	Pd	Ag
Method	MMH-B	MMH-B	MMH-B	MMH-B	MMH-B
Ref. Int.	0.1	1	3	0.1	0.1
Unit	ppb	ppb	ppb	ppb	ppb
K-467	0.20	98	79	0.14	4.74
K-468	0.27	63	79	0.13	4.71
K-469	0.16	25	99	0.10	3.06
K-470	0.13	31	163	<0.1	2.30
K-471	0.14	66	189	0.10	3.61
K-472	0.16	116	106	0.12	3.26
K-473	0.12	23	82	<0.1	3.78
K-474	<0.1	31	43	0.12	1.24
K-475	<0.1	22	39	<0.1	1.41
K-476	<0.1	23	41	<0.1	1.77
K-477	<0.1	17	32	<0.1	0.81
K-478	<0.1	19	33	0.12	0.85
K-479	<0.1	28	55	<0.1	1.49
K-480	0.14	38	81	<0.1	2.47
K-481	<0.1	35	88	<0.1	1.92
K-482	0.13	53	136	0.12	2.67
K-483	<0.1	40	75	<0.1	1.69
K-484	0.10	76	213	<0.1	3.30
K-485	<0.1	41	52	<0.1	1.22
K-486	<0.1	34	64	<0.1	2.12
K-487	0.11	29	79	<0.1	1.46
K-488	0.24	61	56	0.12	7.45
K-489	0.21	30	207	<0.1	5.23
K-490	0.22	461	899	0.11	15.8
K-491	<0.1	37	21	<0.1	2.42
K-492	0.29	25	153	<0.1	2.69
K-493	0.20	30	52	<0.1	1.98
K-494	0.27	274	1946	0.13	20.3
K-495	0.19	57	79	0.12	3.49
K-496	0.22	141	258	0.11	12.0
K-497	0.13	37	163	<0.1	13.6
K-498	<0.1	60	67	<0.1	2.05
K-499	0.26	356	551	0.11	20.1
K-500	0.15	57	41	<0.1	3.20
K-501	0.13	49	63	0.11	5.63
K-502	<0.1	31	66	<0.1	2.74
K-503	0.13	149	95	<0.1	5.78
K-504	1.03	11	44	<0.1	1.57
K-505	0.25	78	136	<0.1	3.20
K-506	<0.1	74	81	<0.1	3.46
K-507	<0.1	14	32	<0.1	1.21
K-508	0.24	133	141	<0.1	2.47
K-509	<0.1	12	33	<0.1	0.60
K-510	0.19	25	120	<0.1	4.44
K-511	0.12	25	50	<0.1	9.31



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Work Order: 060434 Date: 30/08/00

FINAL

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Element	Au	Co	Ni	Pd	Ag
Method	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Unit	0.1 ppb	1 ppb	3 ppb	0.1 ppb	0.1 ppb
K-512	0.22	90	248	0.10	5.71
K-513	0.87	63	133	0.18	5.61
K-514	0.31	3	14	0.15	1.25
K-515	0.20	5	17	<0.1	1.29
K-516	0.19	17	21	0.11	6.27
K-517	<0.1	7	25	<0.1	5.79
K-518	<0.1	9	13	<0.1	1.46
K-519	<0.1	6	16	<0.1	1.89
K-520	<0.1	4	13	<0.1	5.75
K-521	0.27	7	37	<0.1	8.90
K-522	0.56	8	25	<0.1	2.34
K-523	1.23	9	19	<0.1	4.55
K-524	<0.1	5	16	<0.1	1.79
K-525	1.39	9	20	<0.1	1.22
K-526	0.25	15	26	<0.1	6.41
K-527	<0.1	14	22	<0.1	1.44
K-528	0.25	21	34	<0.1	2.45
K-529	<0.1	8	34	<0.1	3.07
K-530	<0.1	5	14	<0.1	3.97
K-531	<0.1	10	20	<0.1	1.85
K-532	<0.1	43	34	<0.1	2.96
K-533	0.14	25	235	0.41	6.96
K-534	<0.1	3	15	<0.1	4.57
K-535	<0.1	6	15	<0.1	5.55
K-536	<0.1	31	40	<0.1	8.08
K-537	0.24	12	51	<0.1	8.97
K-538	<0.1	17	35	0.11	9.82
K-539	<0.1	15	31	0.13	7.89
K-540	<0.1	22	38	<0.1	13.3
K-541	<0.1	19	34	0.15	9.00
K-542	<0.1	3	33	<0.1	14.4
K-543	<0.1	12	36	<0.1	17.9
K-544	<0.1	9	46	<0.1	19.4
K-545	<0.1	10	40	<0.1	7.19
K-546	<0.1	5	19	<0.1	13.4
K-547	<0.1	10	15	<0.1	2.30
K-548	<0.1	7	20	<0.1	2.40
K-549	<0.1	6	25	<0.1	11.0
K-550	<0.1	13	35	<0.1	6.56
K-551	<0.1	5	30	<0.1	17.3
K-552	<0.1	7	20	<0.1	3.54
K-553	<0.1	6	12	<0.1	1.06
K-554	<0.1	3	29	<0.1	1.82
K-555	<0.1	4	16	<0.1	2.47
K-556	<0.1	5	26	<0.1	0.51



XRAL Laboratories
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Work Order: 060434

Date: 30/08/00

	Au	Co	Ni	Pd	Ag
	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
	0.1	1	3	0.1	0.1
	ppb	ppb	ppb	ppb	ppb
K-557	<0.1	4	31	<0.1	3.46
K-558	<0.1	5	33	<0.1	0.45
K-559	0.59	10	21	<0.1	2.34
K-560	0.27	9	13	<0.1	1.77
K-561	0.23	27	32	0.11	5.14
K-562	0.20	14	27	<0.1	1.68
K-563	0.15	6	12	0.10	5.65
K-564	0.12	48	17	<0.1	3.67
K-565	0.18	20	21	<0.1	5.02
K-566	0.24	30	39	<0.1	8.03
K-567	0.14	22	24	0.10	1.63
K-568	<0.1	24	19	<0.1	1.32
K-569	<0.1	29	32	<0.1	1.28
K-570	0.31	65	35	<0.1	3.96
K-571	<0.1	17	20	<0.1	3.96
K-572	<0.1	18	20	<0.1	1.72
K-573	0.30	82	179	<0.1	7.05
K-574	<0.1	20	16	<0.1	4.27
K-575	0.34	35	117	<0.1	2.37
K-576	0.32	4	8	<0.1	1.16
K-577	0.12	8	10	<0.1	2.91
K-578	<0.1	10	14	<0.1	1.59
K-579	<0.1	4	10	<0.1	4.89
K-580	<0.1	4	5	<0.1	4.64
K-581	0.14	9	17	<0.1	3.68
K-582	<0.1	15	16	<0.1	6.39
K-583	0.25	17	32	<0.1	3.88
K-584	0.28	21	19	<0.1	5.88
K-585	0.72	17	66	<0.1	4.60
K-586	0.39	44	33	<0.1	2.32
K-587	0.14	7	6	<0.1	0.89
K-588	0.32	55	33	<0.1	2.60
K-589	0.11	4	10	<0.1	3.34
K-590	0.10	7	11	<0.1	0.82
K-591	<0.1	6	11	<0.1	0.98
K-592	<0.1	8	14	<0.1	0.31
K-593	<0.1	8	13	<0.1	0.61
K-594	<0.1	22	28	<0.1	2.64
K-595	<0.1	80	19	<0.1	11.3
K-596	<0.1	8	12	<0.1	2.27
K-597	0.14	11	13	<0.1	16.6
K-598	<0.1	9	22	<0.1	9.35
K-599	<0.1	12	17	<0.1	0.50
K-600	<0.1	13	19	<0.1	2.55
K-601	<0.1	9	25	<0.1	1.90



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 060434

Date: 30/08/00

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Identif.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Unit	ppb	ppb	ppb	ppb	ppb
K-602	<0.1	6	23	<0.1	0.48
K-603	<0.1	16	16	<0.1	2.80
K-604	<0.1	70	52	<0.1	5.88
K-605	1.26	23	27	0.18	2.41
K-606	0.49	11	18	0.12	1.70
K-607	0.53	18	78	0.20	5.26
K-608	0.22	10	18	0.11	0.73
*Dup K-467	0.35	92	93	0.23	4.17
*Dup K-479	0.17	32	60	0.13	1.35
*Dup K-491	0.16	32	24	<0.1	2.15
*Dup K-503	0.20	135	90	0.10	7.19
*Dup K-515	<0.1	4	14	<0.1	1.11
*Dup K-527	0.12	12	21	<0.1	1.21
*Dup K-539	<0.1	12	29	<0.1	9.17
*Dup K-551	<0.1	4	27	<0.1	15.4
*Dup K-563	<0.1	5	15	<0.1	4.87
*Dup K-575	0.32	40	144	<0.1	2.09
*Dup K-587	<0.1	6	9	<0.1	0.73
*Dup K-599	<0.1	10	20	<0.1	0.37

APPENDIX VI

ALS Chemex
Certificates of Analysis

**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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LTD.
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

A0023519

Comments: ATTN: R.G. ADAMSON FAX: COLIN THOMAS

CERTIFICATE**A0023519**

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

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

Samples submitted to our lab in Vancouver, BC.
This report was printed on 25-JUL-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201 202	48 48	Dry, sieve to -80 mesh save reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	48	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000

APPENDIX VI

**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 FAX: 604-984-0218To: KSL EXPLORATION (YUKON) LIMITED
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2Project: BATCH#2000/3
Comments: ATTN: R.G. ADAMSON FAX: COLIN THOMASNum 1
Total Pages 2
Certificate Date: 25-JUL-2000
Invoice No. : I0023519
P.O. Number :
Account : SDQ**CERTIFICATE OF ANALYSIS****A0023519**

SAMPLE	PREP CODE		Au ppb EXT-AA									
K0123	201	202	5									
K0124	201	202	4									
K0125	201	202	6									
K0126	201	202	< 1									
K0127	201	202	< 1									
K0128	201	202	2									
K0129	201	202	5									
K0130	201	202	< 1									
K0131	201	202	< 1									
K0133	201	202	3									
K0134	201	202	3									
K0136	201	202	< 1									
K0137	201	202	5									
K0138	201	202	5									
K0139	201	202	5									
K0140	201	202	8									
K0141	201	202	2									
K0142	201	202	5									
K0143	201	202	3									
K0216	201	202	6									
K0217	201	202	18									
K0218	201	202	14									
K0219	201	202	23									
K0220	201	202	10									
K0221	201	202	9									
K0222	201	202	9									
K0223	201	202	9									
K0224	201	202	26									
K0225	201	202	19									
K0226	201	202	19									
K0227	201	202	18									
K0228	201	202	11									
K0230	201	202	38									
K0232	201	202	14									
K0236	201	202	5									
K0237	201	202	28									
K0238	201	202	29									
K0239	201	202	19									
K0240	201	202	4									
K0241	201	202	4									

CERTIFICATION:

Said / Lem



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 FAX: 604-984-0218

To: EXPLORATION (N) LTD.
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page Number : 2
Total Pages : 2
Certificate Date: 25-JUL-2000
Invoice No. : I0023519
P.O. Number :
Account : SDQ

Project : BATCH#2000/3
Comments: ATTN: R.G. ADAMSON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS A0023519

SAMPLE	PREP CODE		Au ppb EXT-AA									
K0242	201	202	3									
K0243	201	202	2									
K0244	201	202	3									
K0245	201	202	4									
K0246	201	202	3									
K0247	201	202	4									
K0248	201	202	< 1									
K0249	201	202	1									

CERTIFICATION: 80.1/16

**ALS Chemtex**

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

XPLORATION (YUKON) LIMITED

C/O DAVIS & COMPANY

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Project: BATCH#2000/3

Comments: ATTN: R.G. ADAMSON FAX: COLIN THOMAS

Page Number : 1

Total Pages : 2

Certificate Date: 25-JUL-2000

Invoice No. : 10023519

P.O. Number :

Account : SDQ

CERTIFICATE OF ANALYSIS**A0023519**

SAMPLE	PREP CODE		Au ppb EXT-AA									
K0123	201	202	5									
K0124	201	202	4									
K0125	201	202	6									
K0126	201	202	< 1									
K0127	201	202	< 1									
K0128	201	202	2									
K0129	201	202	5									
K0130	201	202	< 1									
K0131	201	202	< 1									
K0133	201	202	3									
K0134	201	202	3									
K0136	201	202	< 1									
K0137	201	202	5									
K0138	201	202	5									
K0139	201	202	5									
K0140	201	202	8									
K0141	201	202	2									
K0142	201	202	5									
K0143	201	202	3									
K0216	201	202	6									
K0217	201	202	18									
K0218	201	202	14									
K0219	201	202	23									
K0220	201	202	10									
K0221	201	202	9									
K0222	201	202	9									
K0223	201	202	9									
K0224	201	202	26									
K0225	201	202	19									
K0226	201	202	19									
K0227	201	202	18									
K0228	201	202	11									
K0230	201	202	38									
K0232	201	202	14									
K0236	201	202	5									
K0237	201	202	28									
K0238	201	202	29									
K0239	201	202	19									
K0240	201	202	4									
K0241	201	202	4									

CERTIFICATION: Saint

**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 FAX: 604-984-0218

To: ☐ EXPIRATION ☐ (N) L ☐
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page Number : 2
Total Pages : 2
Certificate Date: 25-JUL-2000
Invoice No. : I0023519
P.O. Number :
Account : SDQ

Project : BATCH#2000/3
Comments: ATTN: R.G. ADAMSON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS**A0023519**

SAMPLE	PREP CODE		Au ppb EXT-AA									
K0242	201	202	3									
K0243	201	202	2									
K0244	201	202	3									
K0245	201	202	4									
K0246	201	202	3									
K0247	201	202	4									
K0248	201	202	< 1									
K0249	201	202	1									

CERTIFICATION: 85-7-2

**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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LIMITED
DAVIS COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT.
Y1A 2M2

A0024797

Comments: ATTN: R.G.ADAMSON FAX: COLIN THOMAS

CERTIFICATE**A0024797**

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: KLONDIKE
P.O. #: BATCH #4

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-AUG-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	143	Dry, sieve to -80 mesh save reject ICP - AQ Digestion charge
202	143	
229	143	
* 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

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	143	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000
2118	143	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	143	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	143	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	143	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	143	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	143	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	143	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	143	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	143	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	143	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	143	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	143	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	143	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	143	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	143	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	143	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	143	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	143	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	143	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	143	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	143	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	143	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	143	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	143	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	143	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	143	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	143	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	143	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	143	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	143	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	143	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	143	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	143	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	143	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

**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 FAX: 604-984-0218

To: KES EXPLORATION (CANADA) LIMITED

C/O DAVIS & COMPANY

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Project: KLONDIKE

Comments: ATTN: R.G.ADAMSON FAX: COLIN THOMAS

Page No. 1-1

Total Pages 4

Certificate Date: 10-AUG-2000

Invoice No. : I0024797

P.O. Number : BATCH #4

Account : SDQ

CERTIFICATE OF ANALYSIS**A0024797**

SAMPLE	PREP CODE		Au ppb EXT-AA	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 %
K-144	201	202	4	< 0.2	1.86	12	< 10	340	< 0.5	< 2	0.11	< 0.5	7	25	14	2.39	< 10	< 1	0.05	10	0.43
K-145	201	202	3	< 0.2	1.23	10	< 10	260	< 0.5	< 2	0.09	< 0.5	5	17	11	1.63	< 10	< 1	0.05	20	0.31
K-146	201	202	< 1	< 0.2	2.22	14	< 10	310	< 0.5	< 2	0.09	< 0.5	8	33	13	3.34	< 10	< 1	0.05	< 10	0.46
K-147	201	202	6	< 0.2	2.56	10	< 10	330	< 0.5	< 2	0.11	< 0.5	8	36	21	2.96	< 10	< 1	0.06	10	0.46
K-148	201	202	< 1	0.2	1.58	8	< 10	380	< 0.5	< 2	0.15	< 0.5	5	23	8	2.72	< 10	< 1	0.05	< 10	0.23
K-149	201	202	1	< 0.2	2.66	10	< 10	550	0.5	< 2	0.10	< 0.5	8	30	12	2.70	< 10	< 1	0.05	10	0.41
K-150	201	202	< 1	< 0.2	2.04	12	< 10	330	< 0.5	< 2	0.08	< 0.5	7	30	11	3.17	< 10	< 1	0.04	< 10	0.41
K-152	201	202	8	< 0.2	0.82	24	< 10	130	< 0.5	< 2	0.04	< 0.5	4	9	7	1.10	< 10	< 1	0.06	30	0.18
K-153	201	202	3	< 0.2	1.25	14	< 10	570	< 0.5	< 2	0.12	< 0.5	5	15	9	1.79	< 10	< 1	0.06	10	0.27
K-154	201	202	1	< 0.2	1.88	10	< 10	360	< 0.5	< 2	0.10	< 0.5	5	25	8	2.18	< 10	< 1	0.06	10	0.28
K-155	201	202	< 1	< 0.2	0.83	6	< 10	150	< 0.5	< 2	0.04	< 0.5	1	8	4	0.79	< 10	< 1	0.07	10	0.10
K-156	201	202	< 1	< 0.2	1.04	10	< 10	150	< 0.5	< 2	0.08	< 0.5	6	12	15	1.46	< 10	< 1	0.09	10	0.26
K-157	201	202	11	< 0.2	1.45	28	< 10	240	< 0.5	< 2	0.10	< 0.5	5	19	16	1.75	< 10	< 1	0.07	10	0.31
K-158	201	202	4	< 0.2	1.33	8	< 10	180	< 0.5	< 2	0.10	< 0.5	5	17	12	1.57	< 10	< 1	0.08	10	0.31
K-159	201	202	1	< 0.2	1.44	8	< 10	270	< 0.5	< 2	0.12	< 0.5	5	19	11	1.79	< 10	< 1	0.07	10	0.34
K-160	201	202	1	< 0.2	1.38	6	< 10	270	< 0.5	< 2	0.10	< 0.5	5	18	10	1.70	< 10	< 1	0.06	20	0.35
K-161	201	202	< 1	< 0.2	1.14	6	< 10	280	< 0.5	< 2	0.07	< 0.5	3	12	5	1.50	< 10	< 1	0.07	10	0.20
K-162	201	202	4	< 0.2	1.45	10	< 10	400	< 0.5	< 2	0.09	< 0.5	5	20	8	2.19	< 10	< 1	0.06	10	0.33
K-163	201	202	2	< 0.2	1.72	10	< 10	350	< 0.5	< 2	0.08	< 0.5	6	23	12	2.15	< 10	< 1	0.07	10	0.36
K-164	201	202	3	< 0.2	1.59	8	< 10	380	< 0.5	< 2	0.09	< 0.5	6	23	13	2.03	< 10	< 1	0.07	10	0.38
K-460	201	202	< 1	< 0.2	1.74	10	< 10	250	< 0.5	< 2	0.10	< 0.5	9	21	14	2.11	< 10	< 1	0.04	10	0.71
K-461	201	202	9	< 0.2	1.14	6	< 10	370	< 0.5	< 2	0.15	< 0.5	4	17	14	1.33	< 10	< 1	0.03	40	0.43
K-462	201	202	2	< 0.2	1.48	6	< 10	260	< 0.5	< 2	0.15	< 0.5	6	20	14	1.67	< 10	< 1	0.04	20	0.51
K-463	201	202	< 1	< 0.2	0.99	6	< 10	150	< 0.5	< 2	0.07	< 0.5	2	12	7	1.08	< 10	< 1	0.04	30	0.34
K-464	201	202	3	< 0.2	1.27	10	< 10	230	< 0.5	< 2	0.19	< 0.5	6	21	17	1.83	< 10	< 1	0.05	20	0.51
K-465	201	202	4	< 0.2	1.63	8	< 10	380	< 0.5	< 2	0.22	< 0.5	7	23	19	2.02	< 10	< 1	0.05	30	0.54
K-466	201	202	2	< 0.2	1.46	6	< 10	380	< 0.5	< 2	0.26	< 0.5	8	22	17	1.89	< 10	< 1	0.05	20	0.51
K-467	201	202	1	< 0.2	1.53	8	< 10	310	< 0.5	< 2	0.20	< 0.5	6	22	14	1.96	< 10	< 1	0.05	10	0.47
K-468	201	202	16	< 0.2	1.69	6	< 10	420	< 0.5	< 2	0.19	< 0.5	6	24	21	1.95	< 10	< 1	0.05	10	0.43
K-469	201	202	< 1	< 0.2	1.29	4	< 10	290	< 0.5	< 2	0.22	< 0.5	5	18	11	1.53	< 10	< 1	0.03	10	0.39
K-470	201	202	1	< 0.2	1.52	6	< 10	260	< 0.5	< 2	0.29	< 0.5	5	21	10	1.83	< 10	< 1	0.04	10	0.51
K-471	201	202	1	< 0.2	1.47	4	< 10	250	< 0.5	< 2	0.23	< 0.5	6	21	11	1.83	< 10	< 1	0.04	10	0.47
K-472	201	202	1	< 0.2	1.61	6	< 10	280	< 0.5	< 2	0.23	< 0.5	7	23	14	2.10	< 10	< 1	0.04	10	0.51
K-473	201	202	1	< 0.2	1.30	8	< 10	240	< 0.5	< 2	0.24	< 0.5	5	19	8	1.63	< 10	< 1	0.04	10	0.44
K-474	201	202	< 1	< 0.2	1.02	6	< 10	170	< 0.5	< 2	0.14	< 0.5	3	14	6	1.23	< 10	< 1	0.03	10	0.34
K-475	201	202	< 1	< 0.2	1.22	6	< 10	170	< 0.5	< 2	0.15	< 0.5	4	17	7	1.48	< 10	< 1	0.04	10	0.37
K-476	201	202	< 1	< 0.2	0.99	4	< 10	150	< 0.5	< 2	0.13	< 0.5	3	14	6	1.17	< 10	< 1	0.03	10	0.31
K-478	201	202	16	< 0.2	1.08	12	< 10	150	< 0.5	< 2	0.13	< 0.5	4	17	7	1.70	< 10	< 1	0.03	10	0.33
K-479	201	202	9	< 0.2	1.10	12	< 10	180	< 0.5	2	0.15	< 0.5	4	17	6	1.45	< 10	< 1	0.03	10	0.35
K-480	201	202	22	< 0.2	1.07	18	< 10	140	< 0.5	< 2	0.14	< 0.5	4	17	6	1.63	< 10	< 1	0.03	10	0.35

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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LIMITED

DAVE OMP

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Project: KLONDIKE

Comments: ATTN: R.G.ADMASON FAX: COLIN THOMAS

Page Number: 1-B

Page: 4

Certificate Date: 10-AUG-2000

Invoice No.: I0024797

P.O. Number: BATCH #4

Account: SDQ

CERTIFICATE OF ANALYSIS

A0024797

SAMPLE	PREP CODE	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
K-144	201 202	170	2 < 0.01		19	220	18 < 0.01	< 2		3	11	0.04	< 10	< 10	43	< 10	48
K-145	201 202	165	< 1 < 0.01		13	180	28 < 0.01	2		1	10	0.04	< 10	< 10	30	< 10	38
K-146	201 202	360	3 < 0.01		18	290	26 0.01	2		3	11	0.06	< 10	< 10	67	< 10	62
K-147	201 202	235	3 < 0.01		18	350	16 0.01	< 2		5	13	0.06	< 10	< 10	55	< 10	50
K-148	201 202	280	2 < 0.01		10	310	20 0.01	< 2		1	18	0.07	< 10	< 10	73	< 10	36
K-149	201 202	175	1 < 0.01		17	240	14 0.01	2		4	12	0.05	< 10	< 10	49	< 10	40
K-150	201 202	200	2 < 0.01		16	300	12 0.01	< 2		3	9	0.05	< 10	< 10	54	< 10	44
K-152	201 202	120	< 1 < 0.01		6	110	18 < 0.01	< 2		1	5	0.01	< 10	< 10	14	< 10	32
K-153	201 202	185	1 < 0.01		9	270	16 0.01	< 2		1	12	0.03	< 10	< 10	32	< 10	32
K-154	201 202	135	1 < 0.01		10	210	18 < 0.01	< 2		2	11	0.05	< 10	< 10	51	< 10	30
K-155	201 202	45	< 1 < 0.01		3	200	14 < 0.01	< 2	< 1	5	< 0.01	< 10	< 10	< 10	17	< 10	12
K-156	201 202	220	1 < 0.01		8	290	42 < 0.01	< 2		1	9	0.01	< 10	< 10	17	< 10	52
K-157	201 202	110	1 < 0.01		14	210	26 0.01	< 2		2	13	0.03	< 10	< 10	29	< 10	46
K-158	201 202	120	1 < 0.01		11	230	32 < 0.01	< 2		2	10	0.03	< 10	< 10	24	< 10	44
K-159	201 202	135	1 < 0.01		12	290	20 < 0.01	< 2		1	11	0.03	< 10	< 10	32	< 10	46
K-160	201 202	130	1 < 0.01		12	210	20 < 0.01	< 2		2	9	0.03	< 10	< 10	29	< 10	38
K-161	201 202	75	1 < 0.01		6	190	20 < 0.01	< 2		1	9	0.01	< 10	< 10	28	< 10	20
K-162	201 202	135	1 < 0.01		11	200	22 < 0.01	< 2		1	11	0.02	< 10	< 10	40	< 10	38
K-163	201 202	160	1 < 0.01		14	270	26 0.01	< 2		2	9	0.03	< 10	< 10	41	< 10	44
K-164	201 202	160	1 < 0.01		14	220	24 < 0.01	< 2		2	10	0.04	< 10	< 10	40	< 10	44
K-460	201 202	230	1 < 0.01		16	200	10 < 0.01	< 2		3	10	0.03	< 10	< 10	31	< 10	54
K-461	201 202	100	< 1 < 0.01		10	250	20 < 0.01	< 2		2	14	0.03	< 10	< 10	24	< 10	34
K-462	201 202	135	1 < 0.01		13	320	14 < 0.01	< 2		2	14	0.03	< 10	< 10	29	< 10	42
K-463	201 202	65	1 < 0.01		7	200	16 < 0.01	< 2		1	10	0.01	< 10	< 10	20	< 10	30
K-464	201 202	210	1 < 0.01		16	430	12 < 0.01	< 2		3	16	0.05	< 10	< 10	32	< 10	56
K-465	201 202	195	1 0.01		17	410	16 0.01	2		4	20	0.04	< 10	< 10	35	< 10	60
K-466	201 202	235	1 < 0.01		16	420	12 < 0.01	< 2		3	22	0.04	< 10	< 10	35	< 10	56
K-467	201 202	165	2 < 0.01		15	460	16 < 0.01	2		3	17	0.04	< 10	< 10	36	< 10	54
K-468	201 202	140	1 0.02		17	540	16 0.03	< 2		2	21	0.03	< 10	< 10	35	< 10	52
K-469	201 202	85	1 < 0.01		13	470	12 0.01	< 2		1	21	0.03	< 10	< 10	30	< 10	40
K-470	201 202	95	1 < 0.01		14	430	14 0.01	< 2		1	28	0.03	< 10	< 10	34	< 10	52
K-471	201 202	105	1 < 0.01		14	510	14 0.01	< 2		2	21	0.03	< 10	< 10	33	< 10	50
K-472	201 202	125	1 < 0.01		16	490	14 0.01	< 2		3	19	0.03	< 10	< 10	38	< 10	56
K-473	201 202	95	< 1 < 0.01		13	460	14 0.01	< 2		1	19	0.03	< 10	< 10	30	< 10	48
K-474	201 202	70	1 < 0.01		9	320	8 0.02	< 2	< 1	14	0.01	< 10	< 10	< 10	21	< 10	34
K-475	201 202	75	1 < 0.01		10	430	12 0.03	< 2		1	15	0.02	< 10	< 10	25	< 10	42
K-476	201 202	60	< 1 < 0.01		9	410	8 0.03	< 2		1	12	0.02	< 10	< 10	18	< 10	34
K-478	201 202	75	< 1 0.01		9	460	12 0.02	< 2		1	13	0.03	< 10	< 10	33	< 10	36
K-479	201 202	75	< 1 0.01		10	420	10 0.01	< 2		1	14	0.03	< 10	< 10	27	< 10	40
K-480	201 202	75	< 1 0.01		9	450	12 0.01	< 2		1	12	0.03	< 10	< 10	30	< 10	40

CERTIFICATION:

Said / CPM 98



ALS Chemex

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

To: EXPEDITION (ON) D
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Project: KLONDIKE
Comments: ATTN: R.G.ADMANSON FAX: COLIN THOMAS

Page Number : 2-A
Total Pages : 4
Certificate Date: 10-AUG-2000
Invoice No. : I0024797
P.O. Number : BATCH #4
Account : SDQ

CERTIFICATE OF ANALYSIS

A0024797

SAMPLE	PREP CODE	Au ppb EXT-AA	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 %
K-481	201 202	2	< 0.2	1.23	12	< 10	180	< 0.5	< 2	0.15	< 0.5	5	19	8	1.73	< 10	< 1	0.03	10	0.38
K-482	201 202	1	< 0.2	1.14	12	< 10	190	< 0.5	< 2	0.17	< 0.5	4	18	7	1.59	< 10	< 1	0.03	10	0.37
K-483	201 202	9	< 0.2	1.14	16	< 10	190	< 0.5	< 2	0.15	< 0.5	5	18	8	1.68	< 10	< 1	0.04	10	0.37
K-484	201 202	4	< 0.2	1.09	14	< 10	240	< 0.5	< 2	0.22	< 0.5	5	16	8	1.64	< 10	< 1	0.03	10	0.38
K-487	201 202	< 1	< 0.2	1.03	36	< 10	140	< 0.5	< 2	0.14	< 0.5	4	15	7	1.66	< 10	< 1	0.04	10	0.37
K-488	201 202	5	< 0.2	0.63	158	< 10	100	< 0.5	< 2	0.07	< 0.5	3	6	9	1.11	< 10	< 1	0.08	40	0.20
K-489	201 202	4	< 0.2	0.98	202	< 10	140	< 0.5	< 2	0.17	< 0.5	5	10	11	1.69	< 10	< 1	0.17	40	0.54
K-490	201 202	2	< 0.2	1.16	16	< 10	280	< 0.5	< 2	0.43	< 0.5	9	25	25	2.43	< 10	< 1	0.06	10	0.48
K-495	201 202	2	< 0.2	1.63	56	< 10	270	< 0.5	< 2	0.22	< 0.5	6	25	13	2.24	< 10	< 1	0.06	30	0.54
K-496	201 202	< 1	< 0.2	1.66	30	< 10	360	< 0.5	< 2	0.27	< 0.5	9	30	20	2.42	< 10	< 1	0.04	20	0.59
K-497	201 202	6	< 0.2	1.75	36	< 10	350	< 0.5	< 2	0.28	< 0.5	9	32	21	2.55	< 10	< 1	0.04	20	0.65
K-498	201 202	3	< 0.2	1.69	44	< 10	300	< 0.5	< 2	0.24	< 0.5	10	34	21	2.51	< 10	< 1	0.04	10	0.57
K-499	201 202	6	< 0.2	1.84	62	< 10	360	< 0.5	< 2	0.42	< 0.5	13	36	25	2.91	< 10	< 1	0.05	20	0.67
K-500	201 202	4	< 0.2	2.14	78	< 10	300	< 0.5	< 2	0.12	< 0.5	12	52	35	3.33	< 10	< 1	0.04	10	0.61
K-501	201 202	4	< 0.2	2.13	64	< 10	280	< 0.5	< 2	0.15	< 0.5	11	62	28	2.96	< 10	< 1	0.03	10	0.69
K-502	201 202	< 1	< 0.2	1.79	38	< 10	310	< 0.5	< 2	0.19	< 0.5	9	46	17	2.42	< 10	< 1	0.03	10	0.54
K-503	201 202	< 1	< 0.2	1.98	130	< 10	360	< 0.5	< 2	0.20	< 0.5	12	92	27	3.08	< 10	< 1	0.05	10	0.71
K-504	201 202	< 1	< 0.2	1.77	78	< 10	290	< 0.5	< 2	0.10	< 0.5	12	31	25	3.02	< 10	< 1	0.04	10	0.36
K-505	201 202	2	< 0.2	1.39	30	< 10	360	< 0.5	< 2	0.13	< 0.5	10	32	21	2.61	< 10	< 1	0.04	10	0.38
K-506	201 202	6	< 0.2	1.79	30	< 10	280	< 0.5	< 2	0.09	< 0.5	7	30	13	2.77	< 10	< 1	0.04	10	0.35
K-507	201 202	< 1	< 0.2	1.02	10	< 10	430	< 0.5	< 2	0.06	< 0.5	5	16	13	1.65	< 10	< 1	0.05	30	0.26
K-508	201 202	3	< 0.2	1.63	26	< 10	500	< 0.5	< 2	0.11	< 0.5	12	31	28	3.11	< 10	< 1	0.05	20	0.41
K-509	201 202	< 1	< 0.2	0.86	12	< 10	140	< 0.5	< 2	0.04	< 0.5	4	14	12	1.43	< 10	< 1	0.06	30	0.23
K-510	201 202	4	< 0.2	1.55	34	< 10	360	< 0.5	< 2	0.15	< 0.5	5	37	31	2.41	< 10	< 1	0.05	30	0.53
K-511	201 202	< 1	< 0.4	0.85	16	< 10	210	< 0.5	< 2	0.06	< 0.5	3	15	9	1.48	< 10	< 1	0.06	30	0.22
K-512	201 202	< 1	< 0.2	1.48	40	< 10	440	< 0.5	< 2	0.15	< 0.5	7	50	25	2.16	< 10	< 1	0.05	20	0.54
K-513	201 202	3	< 0.2	1.39	28	< 10	450	< 0.5	< 2	0.12	< 0.5	7	39	25	2.31	< 10	< 1	0.07	30	0.50
K-515	201 202	< 1	< 0.2	0.92	12	< 10	270	< 0.5	< 2	0.02	< 0.5	3	9	11	1.72	< 10	< 1	0.07	40	0.11
K-518	201 202	< 1	< 0.2	0.95	10	< 10	120	< 0.5	< 2	0.05	< 0.5	3	14	7	1.55	< 10	< 1	0.05	10	0.23
K-521	201 202	4	< 0.2	1.01	34	< 10	170	< 0.5	< 2	0.05	< 0.5	3	14	7	1.58	< 10	< 1	0.06	20	0.22
K-522	201 202	8	< 0.2	1.30	46	< 10	190	< 0.5	< 2	0.10	< 0.5	4	18	10	2.06	< 10	< 1	0.05	30	0.27
K-523	201 202	17	< 0.2	0.84	110	< 10	110	< 0.5	< 2	0.06	< 0.5	3	11	6	1.30	< 10	< 1	0.05	20	0.19
K-525	201 202	29	< 0.2	0.81	294	< 10	130	< 0.5	< 2	0.05	< 0.5	3	10	5	1.49	< 10	< 1	0.07	30	0.15
K-526	201 202	4	< 0.2	0.99	58	< 10	190	< 0.5	< 2	0.08	< 0.5	2	10	5	1.10	< 10	< 1	0.06	30	0.14
K-528	201 202	1	< 0.2	1.09	56	< 10	140	< 0.5	< 2	0.09	< 0.5	4	15	8	1.67	< 10	< 1	0.07	30	0.31
K-529	201 202	< 1	< 0.2	0.90	72	< 10	150	< 0.5	< 2	0.05	< 0.5	2	8	4	1.39	< 10	< 1	0.08	10	0.18
K-530	201 202	< 1	< 0.2	1.12	50	< 10	150	< 0.5	< 2	0.06	< 0.5	4	11	6	1.54	< 10	< 1	0.09	20	0.23
K-531	201 202	< 1	< 0.2	1.62	14	< 10	160	< 0.5	< 2	0.08	< 0.5	5	28	7	3.16	< 10	< 1	0.04	10	0.32
K-536	201 202	< 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	0.23
K-537	201 202	< 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	0.38

CERTIFICATION: *[Signature]*

**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 FAX: 604-984-0218

To: KSL EXPLORATION (MINCON) LIMITED

C/O DAVIS & COMPANY

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Job Number: 2-B

Total Pages: 4

Certificate Date: 10-AUG-2000

Invoice No.: I0024797

P.O. Number: BATCH #4

Account: SDQ

Project: KLONDIKE

Comments: ATTN: R.G.ADAMSON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS**A0024797**

SAMPLE	PREP CODE	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
K-481	201 202	80	1	0.01	12	450	10	0.01	< 2	1	13	0.02	< 10	< 10	31	< 10	44
K-482	201 202	80	< 1	0.01	11	450	8	0.01	< 2	1	15	0.02	< 10	< 10	27	< 10	42
K-483	201 202	80	< 1	0.01	11	470	14	0.02	< 2	1	13	0.03	< 10	< 10	27	< 10	46
K-484	201 202	80	< 1	0.01	10	490	10	0.02	< 2	1	20	0.02	< 10	< 10	28	< 10	44
K-487	201 202	75	< 1	0.01	9	440	12	0.01	< 2	1	12	0.03	< 10	< 10	28	< 10	42
K-488	201 202	120	1	< 0.01	5	280	14	< 0.01	< 2	1	8	< 0.01	10	< 10	7	< 10	36
K-489	201 202	170	1	0.01	9	380	18	< 0.01	< 2	3	19	0.03	10	< 10	15	< 10	58
K-490	201 202	315	< 1	0.02	23	780	8	< 0.01	< 2	4	27	0.06	< 10	< 10	38	< 10	68
K-495	201 202	215	1	0.01	20	320	16	< 0.01	< 2	3	17	0.01	< 10	< 10	35	< 10	72
K-496	201 202	250	1	0.01	24	460	18	< 0.01	< 2	4	21	0.03	< 10	< 10	39	< 10	68
K-497	201 202	265	2	0.01	26	540	14	< 0.01	< 2	3	22	0.03	< 10	< 10	41	< 10	74
K-498	201 202	310	1	0.01	27	450	14	< 0.01	< 2	3	18	0.03	< 10	< 10	42	< 10	70
K-499	201 202	700	1	0.01	33	490	24	< 0.01	< 2	3	28	0.02	< 10	< 10	45	< 10	90
K-500	201 202	250	1	< 0.01	45	270	12	0.01	< 2	3	14	0.03	< 10	< 10	58	< 10	78
K-501	201 202	185	2	< 0.01	47	260	8	< 0.01	< 2	3	14	0.03	< 10	< 10	62	< 10	84
K-502	201 202	170	1	0.01	31	230	8	< 0.01	< 2	3	16	0.03	< 10	< 10	56	< 10	60
K-503	201 202	315	1	0.01	66	340	8	0.01	< 2	4	20	0.02	< 10	< 10	60	< 10	68
K-504	201 202	295	< 1	0.01	32	310	12	< 0.01	< 2	2	13	0.03	< 10	< 10	53	< 10	66
K-505	201 202	270	1	< 0.01	27	250	8	< 0.01	< 2	4	15	0.03	< 10	< 10	42	< 10	56
K-506	201 202	220	< 1	< 0.01	18	190	12	< 0.01	< 2	3	11	0.04	< 10	< 10	54	< 10	42
K-507	201 202	110	< 1	< 0.01	11	160	20	< 0.01	< 2	1	9	0.01	10	< 10	24	< 10	30
K-508	201 202	330	1	< 0.01	28	230	10	< 0.01	< 2	4	15	0.02	< 10	< 10	45	< 10	66
K-509	201 202	80	< 1	< 0.01	9	110	20	0.01	< 2	1	8	0.01	10	< 10	19	< 10	34
K-510	201 202	95	2	0.01	16	340	18	0.02	< 2	4	23	0.03	10	< 10	43	< 10	46
K-511	201 202	70	< 1	< 0.01	8	180	86	0.01	< 2	1	9	0.01	< 10	< 10	21	< 10	24
K-512	201 202	155	< 1	0.01	26	340	14	0.01	< 2	4	21	0.02	< 10	< 10	39	< 10	50
K-513	201 202	200	1	0.01	29	250	22	< 0.01	< 2	4	20	0.03	10	< 10	36	< 10	68
K-515	201 202	55	< 1	0.01	5	200	30	0.07	< 2	< 1	20	< 0.01	10	< 10	16	< 10	66
K-518	201 202	65	< 1	< 0.01	8	150	24	0.01	< 2	1	9	0.03	< 10	< 10	28	< 10	34
K-521	201 202	85	< 1	< 0.01	7	130	64	0.03	< 2	1	14	0.02	< 10	< 10	26	< 10	32
K-522	201 202	115	< 1	< 0.01	11	270	42	0.01	< 2	1	12	0.02	< 10	< 10	34	< 10	54
K-523	201 202	80	1	< 0.01	6	150	32	< 0.01	< 2	1	7	0.01	< 10	< 10	19	< 10	34
K-525	201 202	90	1	< 0.01	5	220	22	0.02	< 2	1	11	0.01	< 10	< 10	21	< 10	28
K-526	201 202	60	< 1	< 0.01	4	210	24	< 0.01	< 2	< 1	9	0.01	10	< 10	20	< 10	20
K-528	201 202	145	< 1	< 0.01	9	140	26	< 0.01	< 2	1	9	0.01	< 10	< 10	21	< 10	40
K-529	201 202	65	< 1	< 0.01	4	110	18	< 0.01	< 2	1	6	0.01	< 10	< 10	21	< 10	26
K-530	201 202	105	< 1	< 0.01	7	210	24	< 0.01	< 2	1	8	0.01	< 10	< 10	22	< 10	32
K-531	201 202	150	< 1	< 0.01	10	290	16	< 0.01	< 2	2	10	0.06	< 10	< 10	68	< 10	34
K-536	201 202	100	< 1	< 0.01	10	160	14	< 0.01	< 2	2	10	0.04	< 10	< 10	35	< 10	32
K-537	201 202	265	< 1	0.01	15	240	18	< 0.01	< 2	3	19	0.04	< 10	< 10	46	< 10	48

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 FAX: 604-984-0218

To: EXPEDITION (ON) LTD
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page Number: 3-A
Total Pages: 4
Certificate Date: 10-AUG-2000
Invoice No.: I0024797
P.O. Number: BATCH #4
Account: SDQ

Project: KLONDIKE
Comments: ATTN: R.G.ADMASON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS

A0024797

SAMPLE	PREP CODE		Au ppb EXT-AA	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 %
K-538	201	202	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	0.40
K-539	201	202	< 1	< 0.2	1.27	6	< 10	230	< 0.5	< 2	0.10	< 0.5	5	22	13	1.96	< 10	< 1	0.05	10	0.35
K-540	201	202	< 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	0.40
K-541	201	202	1	< 0.2	1.24	8	< 10	160	< 0.5	< 2	0.11	< 0.5	6	22	14	2.00	< 10	< 1	0.06	10	0.32
K-542	201	202	4	< 0.2	0.70	4	< 10	130	< 0.5	< 2	0.09	< 0.5	2	11	6	1.03	< 10	< 1	0.06	10	0.15
K-543	201	202	< 1	< 0.2	1.70	12	< 10	220	< 0.5	< 2	0.13	< 0.5	6	27	12	2.77	< 10	< 1	0.05	10	0.38
K-544	201	202	< 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	0.50
K-545	201	202	< 1	< 0.2	1.21	14	< 10	210	< 0.5	< 2	0.13	< 0.5	6	24	12	2.87	< 10	< 1	0.10	< 10	0.32
K-546	201	202	< 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	0.24
K-548	201	202	< 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	0.45
K-549	201	202	< 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	0.16
K-550	201	202	< 1	< 0.2	2.42	12	< 10	400	0.5	< 2	0.09	< 0.5	10	38	14	3.20	< 10	< 1	0.04	10	0.42
K-551	201	202	< 1	< 0.2	2.04	12	< 10	300	0.5	< 2	0.08	< 0.5	8	30	18	2.50	< 10	< 1	0.05	10	0.42
K-552	201	202	< 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	0.32
K-590	201	202	< 1	< 0.2	2.27	12	< 10	210	0.5	< 2	0.11	< 0.5	11	33	13	3.40	< 10	< 1	0.06	< 10	0.46
K-591	201	202	< 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	0.54
K-592	201	202	< 1	< 0.2	1.70	8	< 10	170	< 0.5	< 2	0.12	< 0.5	6	29	11	2.58	< 10	< 1	0.05	10	0.39
K-593	201	202	< 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	0.38
K-594	201	202	< 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	0.47
K-595	201	202	< 1	< 0.2	2.42	10	< 10	320	< 0.5	< 2	0.10	< 0.5	12	33	14	3.15	< 10	< 1	0.06	10	0.44
K-596	201	202	< 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	0.41
K-597	201	202	< 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	0.19
K-598	201	202	< 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	0.22
K-599	201	202	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	0.49
K-600	201	202	2	< 0.2	1.63	6	< 10	220	< 0.5	< 2	0.10	< 0.5	7	27	15	2.18	< 10	< 1	0.04	20	0.41
K-601	201	202	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	0.41
K-602	201	202	< 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	0.29
K-603	201	202	< 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	0.39
K-604	201	202	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	0.36
K-605	201	202	3	< 0.2	1.35	8	< 10	160	< 0.5	< 2	0.10	< 0.5	6	23	12	1.92	< 10	< 1	0.04	10	0.37
K-606	201	202	< 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	0.34
K-607	201	202	< 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	0.35
K-608	201	202	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	0.28
K-0001	201	202	< 1	< 0.2	2.55	8	< 10	310	0.5	< 2	0.06	< 0.5	8	35	11	3.46	< 10	< 1	0.04	10	0.44
K-0002	201	202	< 1	< 0.2	1.39	< 2	< 10	150	< 0.5	< 2	0.02	< 0.5	1	9	2	1.35	< 10	< 1	0.03	10	0.21
K-0003	201	202	< 1	< 0.2	1.44	6	< 10	160	< 0.5	< 2	0.05	< 0.5	3	20	8	1.97	< 10	< 1	0.04	10	0.30
K-0004	201	202	< 1	< 0.2	0.97	< 2	< 10	120	< 0.5	< 2	0.04	< 0.5	1	10	4	1.12	< 10	< 1	0.04	10	0.27
K-0005	201	202	< 1	< 0.2	1.22	2	< 10	150	< 0.5	< 2	0.07	< 0.5	1	14	4	1.64	< 10	< 1	0.03	< 10	0.34
K-0006	201	202	3	< 0.2	1.92	6	< 10	190	< 0.5	< 2	0.07	< 0.5	6	23	9	2.23	< 10	< 1	0.03	< 10	0.43
K-0007	201	202	< 1	< 0.2	0.68	4	< 10	160	< 0.5	< 2	0.05	< 0.5	< 1	5	3	0.95	< 10	< 1	0.06	10	0.19

CERTIFICATION: *[Signature]*

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

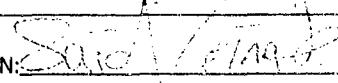
To: **EXPLOSION (N) LTD**
G/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page No: **3-E**
Total Pages: **4**
Certificate Date: **10-AUG-2000**
Invoice No.: **10024797**
P.O. Number: **BATCH #4**
Account: **SDQ**

Project: **KLONDIKE**
Comments: **ATTN: R.G.AMAMSON FAX: COLIN THOMAS**

CERTIFICATE OF ANALYSIS**A0024797**

SAMPLE	PREP CODE		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
K-538	201	202	215	1	0.01	17	170	16 < 0.01	< 2	3	12	0.05	< 10	< 10	49	< 10	44	
K-539	201	202	135	< 1	< 0.01	13	140	14 < 0.01	< 2	2	11	0.04	< 10	< 10	37	< 10	40	
K-540	201	202	200	< 1	< 0.01	16	180	24 < 0.01	< 2	3	10	0.05	< 10	< 10	49	< 10	52	
K-541	201	202	205	< 1	< 0.01	16	310	48 < 0.01	< 2	2	10	0.04	< 10	< 10	35	< 10	56	
K-542	201	202	60	< 1	< 0.01	7	130	32 < 0.01	< 2	1	10	0.03	< 10	< 10	21	< 10	34	
K-543	201	202	140	< 1	0.01	16	220	18 < 0.01	< 2	3	14	0.05	< 10	< 10	58	< 10	44	
K-544	201	202	255	1	0.01	23	210	22 < 0.01	< 2	4	15	0.06	< 10	< 10	61	< 10	62	
K-545	201	202	200	1	0.01	15	350	22 0.01	< 2	2	13	0.06	< 10	< 10	57	< 10	54	
K-546	201	202	205	1	0.01	11	280	36 0.01	< 2	1	13	0.04	< 10	< 10	51	< 10	46	
K-548	201	202	200	2	0.01	20	220	18 0.01	< 2	3	10	0.06	< 10	< 10	60	< 10	48	
K-549	201	202	70	< 1	< 0.01	6	50	34 < 0.01	< 2	2	4	0.01	< 10	< 10	20	< 10	24	
K-550	201	202	230	1	0.01	19	150	16 < 0.01	< 2	3	11	0.06	< 10	< 10	69	< 10	46	
K-551	201	202	190	< 1	< 0.01	23	120	24 < 0.01	< 2	4	9	0.05	< 10	< 10	45	< 10	50	
K-552	201	202	270	1	< 0.01	15	240	22 < 0.01	< 2	3	9	0.05	< 10	< 10	72	< 10	76	
K-590	201	202	240	< 1	0.01	26	430	24 0.02	< 2	3	12	0.04	< 10	< 10	47	< 10	72	
K-591	201	202	345	< 1	0.01	25	260	12 < 0.01	< 2	5	15	0.06	< 10	< 10	58	< 10	60	
K-592	201	202	150	< 1	0.01	15	270	12 < 0.01	< 2	1	13	0.04	< 10	< 10	56	< 10	40	
K-593	201	202	155	< 1	0.01	16	180	18 < 0.01	< 2	3	13	0.05	< 10	< 10	43	< 10	40	
K-594	201	202	195	1	0.01	22	230	20 < 0.01	< 2	3	14	0.06	< 10	< 10	63	< 10	50	
K-595	201	202	435	1	0.01	21	280	16 0.01	< 2	3	11	0.05	< 10	< 10	67	< 10	76	
K-596	201	202	190	1	0.01	18	250	14 < 0.01	< 2	3	13	0.05	< 10	< 10	48	< 10	42	
K-597	201	202	40	< 1	< 0.01	4	40	24 < 0.01	< 2	3	3	0.01	< 10	< 10	12	< 10	24	
K-598	201	202	75	< 1	< 0.01	9	80	42 < 0.01	< 2	2	6	0.03	< 10	< 10	27	< 10	26	
K-599	201	202	175	1	0.01	18	90	16 < 0.01	< 2	4	12	0.06	< 10	< 10	50	< 10	46	
K-600	201	202	150	< 1	0.01	17	110	18 < 0.01	< 2	4	11	0.05	< 10	< 10	42	< 10	46	
K-601	201	202	145	< 1	0.01	15	200	26 0.01	< 2	3	9	0.04	< 10	< 10	41	< 10	42	
K-602	201	202	140	1	< 0.01	10	200	24 < 0.01	< 2	3	9	0.04	< 10	< 10	45	< 10	38	
K-603	201	202	155	1	0.01	13	190	28 < 0.01	< 2	4	9	0.04	< 10	< 10	35	< 10	44	
K-604	201	202	135	< 1	< 0.01	13	170	22 < 0.01	< 2	3	10	0.04	< 10	< 10	38	< 10	40	
K-605	201	202	120	< 1	0.01	14	210	20 < 0.01	< 2	3	10	0.04	< 10	< 10	34	< 10	42	
K-606	201	202	110	< 1	0.01	11	280	20 < 0.01	< 2	1	9	0.04	< 10	< 10	32	< 10	36	
K-607	201	202	135	< 1	0.01	11	240	20 < 0.01	< 2	3	12	0.04	< 10	< 10	29	< 10	36	
K-608	201	202	85	< 1	0.01	8	200	22 < 0.01	< 2	1	8	0.03	< 10	< 10	40	< 10	28	
K-0001	201	202	270	< 1	0.01	18	210	14 < 0.01	< 2	3	8	0.06	< 10	< 10	68	< 10	54	
K-0002	201	202	65	1	< 0.01	5	60	14 < 0.01	< 2	1	4	0.01	< 10	< 10	18	< 10	20	
K-0003	201	202	105	< 1	0.01	10	120	14 < 0.01	< 2	2	7	0.03	< 10	< 10	35	< 10	30	
K-0004	201	202	50	< 1	< 0.01	5	100	20 < 0.01	< 2	1	5	0.01	< 10	< 10	18	< 10	22	
K-0005	201	202	80	< 1	0.01	6	140	10 < 0.01	< 2	1	8	0.03	< 10	< 10	28	< 10	26	
K-0006	201	202	155	< 1	0.01	15	140	14 < 0.01	< 2	2	9	0.04	< 10	< 10	36	< 10	36	
K-0007	201	202	80	< 1	< 0.01	2	100	18 < 0.01	< 2	1	7	< 0.01	< 10	< 10	9	< 10	20	

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 FAX: 604-984-0218

To: EXPLOSION (ON) D

G/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page No: 4-A

Total Pages: 4

Certificate Date: 10-AUG-2000

Invoice No.: 10024797

P.O. Number: BATCH #4

Account: SDQ

Project: KLONDIKE

Comments: ATTN: R.G.ADMANSON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS**A0024797**

SAMPLE	PREP CODE	Au ppb EXT-AA	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 %
K-0008	201 202	< 1	< 0.2	1.38	20	< 10	190	< 0.5	< 2	0.05	< 0.5	4	13	9	1.90	< 10	< 1	0.07	10	0.20
K-0009	201 202	< 1	< 0.2	1.22	8	< 10	200	< 0.5	< 2	0.08	< 0.5	3	15	7	1.61	< 10	< 1	0.05	10	0.24
K-0010	201 202	2	< 0.2	1.50	6	< 10	270	< 0.5	< 2	0.10	< 0.5	7	23	14	2.38	< 10	< 1	0.04	10	0.38
K-0011	201 202	1	< 0.2	1.30	4	< 10	180	< 0.5	< 2	0.07	< 0.5	2	13	7	2.01	< 10	< 1	0.06	10	0.25
K-0012	201 202	< 1	< 0.2	1.62	8	< 10	130	< 0.5	< 2	0.06	< 0.5	4	19	6	2.74	< 10	< 1	0.05	10	0.23
K-0013	201 202	< 1	< 0.2	1.10	2	< 10	130	< 0.5	< 2	0.04	< 0.5	1	13	5	1.53	< 10	< 1	0.04	10	0.17
K-0014	201 202	< 1	< 0.2	1.86	8	< 10	230	< 0.5	< 2	0.07	< 0.5	6	23	11	2.48	< 10	< 1	0.05	10	0.37
K-0015	201 202	< 1	< 0.2	0.75	6	< 10	140	< 0.5	< 2	0.03	< 0.5	1	5	4	1.18	< 10	< 1	0.10	10	0.06
K-0016	201 202	2	< 0.2	1.58	10	< 10	210	< 0.5	< 2	0.08	< 0.5	3	20	6	2.59	< 10	< 1	0.06	10	0.30
K-0017	201 202	< 1	< 0.2	2.03	8	< 10	230	< 0.5	< 2	0.05	< 0.5	5	24	8	2.89	< 10	< 1	0.05	< 10	0.34
K-0018	201 202	< 1	< 0.2	1.54	6	< 10	210	< 0.5	< 2	0.05	< 0.5	3	18	6	2.33	< 10	< 1	0.06	< 10	0.27
K-0019	201 202	< 1	< 0.2	1.79	6	< 10	200	0.5	< 2	0.06	< 0.5	5	25	12	2.43	< 10	< 1	0.04	10	0.33
K-0020	201 202	< 1	< 0.2	1.13	6	< 10	120	< 0.5	< 2	0.01	< 0.5	1	11	4	1.94	< 10	< 1	0.04	< 10	0.16
K-0021	201 202	2	< 0.2	1.97	8	< 10	270	0.5	< 2	0.05	< 0.5	5	27	10	2.51	< 10	< 1	0.04	20	0.33
K-0022	201 202	< 1	< 0.2	1.16	6	< 10	110	< 0.5	< 2	0.04	< 0.5	3	16	8	1.71	< 10	< 1	0.04	10	0.27
K-0023	201 202	3	< 0.2	1.68	6	< 10	190	< 0.5	< 2	0.05	< 0.5	4	23	6	2.25	< 10	< 1	0.03	10	0.31
K-0024	201 202	< 1	< 0.2	1.60	6	< 10	220	0.5	< 2	0.05	< 0.5	4	21	12	1.98	< 10	< 1	0.04	30	0.31
K-0025	201 202	< 1	< 0.2	1.34	6	< 10	160	< 0.5	< 2	0.04	< 0.5	2	16	5	2.01	< 10	< 1	0.04	10	0.21
K-0026	201 202	< 1	< 0.2	0.84	6	< 10	170	< 0.5	< 2	0.04	< 0.5	< 1	9	3	1.38	< 10	< 1	0.04	< 10	0.13
K-0027	201 202	< 1	< 0.2	2.34	8	< 10	430	0.5	< 2	0.06	< 0.5	5	27	10	2.96	< 10	< 1	0.04	10	0.40
K-0028	201 202	2	< 0.2	1.41	4	< 10	220	< 0.5	< 2	0.08	< 0.5	4	19	7	1.91	< 10	< 1	0.03	< 10	0.30
K-0029	201 202	2	< 0.2	1.29	4	< 10	230	< 0.5	< 2	0.05	< 0.5	4	20	11	1.80	< 10	< 1	0.03	20	0.29
K-0030	201 202	< 1	< 0.2	0.94	4	< 10	190	< 0.5	< 2	0.03	< 0.5	1	10	4	1.37	< 10	< 1	0.03	< 10	0.16

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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LIMITED
DAVE COMP
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

Page No: 4-B
Total Pages: 4
Certificate Date: 10-AUG-2000
Invoice No.: 10024797
P.O. Number: BATCH #4
Account: SDQ

Project: KLONDIKE
Comments: ATTN: R.G.ADMASON FAX: COLIN THOMAS

CERTIFICATE OF ANALYSIS**A0024797**

SAMPLE	PREP CODE		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
K-0008	201	202	100	< 1	0.01	7	140	26 < 0.01	< 2	3	7	0.01	< 10	< 10	19	< 10	30	
K-0009	201	202	85	< 1	< 0.01	8	160	18 < 0.01	< 2	2	9	0.03	< 10	< 10	28	< 10	26	
K-0010	201	202	235	< 1	0.01	14	200	12 < 0.01	< 2	4	12	0.04	< 10	< 10	40	< 10	44	
K-0011	201	202	70	< 1	< 0.01	8	190	30 < 0.01	< 2	2	7	0.01	< 10	< 10	24	< 10	26	
K-0012	201	202	155	1	0.01	11	300	32 0.01	< 2	2	10	0.02	< 10	< 10	39	< 10	34	
K-0013	201	202	50	< 1	< 0.01	6	90	22 < 0.01	< 2	2	5	0.01	< 10	< 10	25	< 10	16	
K-0014	201	202	130	< 1	0.01	16	130	14 < 0.01	< 2	2	9	0.04	< 10	< 10	43	< 10	38	
K-0015	201	202	40	< 1	< 0.01	4	70	34 < 0.01	< 2	1	9	< 0.01	< 10	< 10	8	< 10	22	
K-0016	201	202	115	1	0.01	10	200	24 < 0.01	< 2	2	10	0.04	< 10	< 10	50	< 10	30	
K-0017	201	202	190	< 1	0.01	13	160	26 < 0.01	< 2	2	7	0.02	< 10	< 10	47	< 10	46	
K-0018	201	202	125	< 1	0.01	9	120	16 < 0.01	< 2	2	8	0.03	< 10	< 10	38	< 10	32	
K-0019	201	202	165	< 1	0.01	16	110	22 < 0.01	< 2	3	7	0.03	< 10	< 10	41	< 10	38	
K-0020	201	202	75	< 1	< 0.01	4	90	16 < 0.01	< 2	2	3	0.01	< 10	< 10	28	< 10	32	
K-0021	201	202	155	< 1	0.01	14	90	34 < 0.01	< 2	4	7	0.04	< 10	< 10	49	< 10	46	
K-0022	201	202	115	< 1	< 0.01	10	80	20 < 0.01	< 2	2	6	0.03	< 10	< 10	31	< 10	40	
K-0023	201	202	130	< 1	0.01	10	90	18 < 0.01	< 2	3	7	0.04	< 10	< 10	48	< 10	38	
K-0024	201	202	145	< 1	0.01	12	70	30 < 0.01	< 2	3	8	0.03	< 10	< 10	32	< 10	50	
K-0025	201	202	100	< 1	0.01	7	100	20 < 0.01	< 2	3	6	0.03	< 10	< 10	36	< 10	34	
K-0026	201	202	65	< 1	< 0.01	4	80	14 < 0.01	< 2	1	5	0.04	< 10	< 10	33	< 10	22	
K-0027	201	202	195	1	0.01	14	170	14 < 0.01	< 2	3	9	0.05	< 10	< 10	60	< 10	48	
K-0028	201	202	130	< 1	0.01	10	90	14 < 0.01	< 2	2	9	0.04	< 10	< 10	37	< 10	36	
K-0029	201	202	145	< 1	< 0.01	11	80	22 < 0.01	< 2	3	7	0.04	< 10	< 10	32	< 10	32	
K-0030	201	202	70	1	< 0.01	5	70	26 < 0.01	< 2	2	5	0.01	< 10	< 10	21	< 10	24	

CERTIFICATION: SAT 7/10



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 FAX: 604-984-0218

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

A0028142

Comments: ATTN: BOB ADAMSON

CERTIFICATE

A0028142

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: KLONDIKE

P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-SEP-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201 202	35 35	Dry, sieve to -80 mesh save reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	35	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000



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 FAX: 604-984-0218

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

Project: KLONDIKE
Comments: ATTN: BOB ADAMSON

Page Number : 1
Total Pages : 1
Certificate Date: 13-SEP-2000
Invoice No. : 10028142
P.O. Number :
Account : SDQ

CERTIFICATE OF ANALYSIS

A0028142

SAMPLE	PREP CODE		Au ppb EXT-AA									
LC-001	201	202	< 6									
LC-002	201	202	5									
LC-003	201	202	2									
LC-004	201	202	2									
LC-005	201	202	10									
LC-006	201	202	3									
LC-007	201	202	4									
LC-008	201	202	7									
LC-009	201	202	7									
LC-010	201	202	11									
W-001	201	202	1									
W-002	201	202	3									
W-003	201	202	3									
W-004	201	202	2									
W-005	201	202	2									
W-006	201	202	< 1									
W-007	201	202	6									
W-008	201	202	1									
W-009	201	202	4									
W-010	201	202	2									
W-011	201	202	3									
W-012	201	202	< 1									
W-013	201	202	1									
W-014	201	202	< 1									
W-015	201	202	< 1									
W-016	201	202	< 1									
W-017	201	202	< 1									
W-018	201	202	2									
W-019	201	202	1									
W-020	201	202	< 1									
W-021	201	202	< 1									
W-022	201	202	< 1									
W-023	201	202	< 1									
W-024	201	202	< 1									
W-025	201	202	< 1									

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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LIMITED
C/O DAVIS & COMPANY
200 - 304 JARVIS ST.
WHITEHORSE, YT
Y1A 2M2

A0026573

Comments: ATTN: BOB ADAMSON

CERTIFICATE

A0026573

(SDQ) - KSL EXPLORATION (YUKON) LIMITED

Project: KLONDIKE
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-AUG-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201 202	125 125	Dry, sieve to -80 mesh save reject

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3993	125	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000



ALS Chemex

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British Columbia, Canada V7J 2C1

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To: KSL EXPLORATION (YUKON) LIMITED

C/O DAVIS & COMPANY

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Project: KLONDIKE

Comments: ATTN: BOB ADAMSON

Page Number : 1

Total Pages : 4

Certificate Date: 29-AUG-2000

Invoice No. : 10026573

P.O. Number :

Account : SDQ

CERTIFICATE OF ANALYSIS

A0026573

SAMPLE	PREP CODE	Au ppb EXT-AA										
EE- 01	201	202	< 1									
EE- 02	201	202	1									
EE- 03	201	202	1									
EE- 04	201	202	2									
EE- 05	201	202	2									
EE- 06	201	202	< 1									
K- 0675	201	202	< 1									
K- 0676	201	202	4									
K- 0677	201	202	< 1									
K- 0678	201	202	2									
K- 0679	201	202	10									
K- 0680	201	202	< 1									
K- 0681	201	202	5									
K- 0682	201	202	3									
K- 0683	201	202	2									
K- 0684	201	202	< 1									
K- 0685	201	202	1									
K- 0686	201	202	11									
K- 0687	201	202	2									
K- 0688	201	202	11									
K- 0689	201	202	2									
K- 0690	201	202	2									
K- 0692	201	202	6									
K- 0693	201	202	4									
K- 0694	201	202	3									
K- 0695	201	202	6									
K- 0696	201	202	4									
K- 0697	201	202	4									
K- 0698	201	202	7									
K- 0699	201	202	5									
K- 0700	201	202	3									
K- 0701	201	202	2									
K- 0702	201	202	4									
K- 0703	201	202	18									
K- 0704	201	202	4									
K- 0705	201	202	5									
K- 0706	201	202	5									
K- 0751	201	202	< 1									
K- 0752	201	202	< 1									
K- 0753	201	202	< 1									

CERTIFICATION:

[Signature]



ALS Chemex

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Y1A 2M2

Project: KLONDIKE

Comments: ATTN: BOB ADAMSON

Page Number :2

Total Pages :4

Certificate Date: 29-AUG-2000

Invoice No. :10026573

P.O. Number :

Account :SDQ

CERTIFICATE OF ANALYSIS

A0026573

SAMPLE	PREP CODE	Au ppb EXT-AA									
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K- 0791	201	202	< 1								
K- 0792	201	202	< 1								
K- 0793	201	202	< 1								

CERTIFICATION:

[Signature] +



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 FAX: 604-984-0218

To: KSL EXPLORATION (YUKON) LIMITED

C/O DAVIS & COMPANY

200 - 304 JARVIS ST.

WHITEHORSE, YT

Y1A 2M2

Project: KLONDIKE

Comments: ATTN: BOB ADAMSON

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CERTIFICATE OF ANALYSIS

A0026573

SAMPLE	PREP CODE		Au ppb EXT-AA									
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K- 0843	201	202	< 1									
K- 0844	201	202	< 1									
K- 0845	201	202	7									
K- 0846	201	202	6									

CERTIFICATION:

[Signature]

+

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To: KSL EXPLORATION (YUKON) LIMITED
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A0026573

[illegible]

CERTIFICATION:

APPENDIX VII

(digitised on floppy disk)

Claim Posts Survey

Sample Register

Soil Sample Traverse Plots

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
2	590030.6	7088949.1	16-Jun-00		W 185	W 202			16085	16106			
3	589643.0	7088981.0	16-Jun-00	W204	W202	W203	W205	16108	16106	16107	16109		
4	589235.9	7088988.6	16-Jun-00		W 203	K 01	K 02		16107	16216	16217		
5	589608.5	7089402.3	16-Jun-00	W206	W204	W205	W207	16110	16108	16109	16111		
6	589590.2	7089837.8	16-Jun-00					16112	16110	16111	16113		
7	589506.3	7090682.2	16-Jun-00					16116	16114	15115	15117		
8	589554.0	7090239.0	16-Jun-00					16114	16112	16113	16115		
9	590363.3	7089838.5	16-Jun-00	W190	W188	W189	W191	16094	16092	16093	16095		
10	590396.6	7089416.0	16-Jun-00					16092	16090	16091	16090		
11	590429.0	7088988.1	16-Jun-00					16090	16088	16089	16091		
12	590823.6	7089015.7	16-Jun-00			W184				16088			
16	593482.9	7089341.7	17-Jun-00					15988	15986	15985	15987		
	593511.0	70888912.0	17-Jun-00					15986	15984	15983	15985		
17	593543.6	7088490.6	17-Jun-00					15984	15982	15981	15983		
18	592785.0	7088865.1	17-Jun-00	W120	W118	W119	W121	16024	16022	16023	16025		
19	592788.5	7089238.5	17-Jun-00					16026	16024	16025	16027		
	592783.0	7089657.0	17-Jun-00					16028	16026	16027	16029		
20	592768.9	7090084.8	17-Jun-00					16030	16028	16029	16031		
21	592748.0	7090495.0	17-Jun-00					16032	16030	16031	16033		
22	592709.3	7090903.6	18-Jun-00					16034	16032	16033	16035		
23	592670.1	7091249.3	18-Jun-00					16036	16034	16035	16037		
25	582552.3	7099757.3	21-Jun-00	K169	7099757.3		K170	16379			16385		
26	582964.4	7099810.1	21-Jun-00	K96			K169	16311			16379		
27	583362.7	7099885.4	21-Jun-00	K61			K96	16276			16311		
28	583757.9	7099891.8	21-Jun-00	NO POST			K61	EOL?			16276		
29	584276.8	7100020.0	21-Jun-00					OLD POSTS					
30	582128.6	7099716.8	22-Jun-00	K170			K531	16385			16745		
31	581732.3	7099681.9	22-Jun-00	K531			K532	16745			16746		
32	581325.9	7099723.9	22-Jun-00	K532			K764	16746			16978		
33	580924.5	7099721.8	22-Jun-00	K764			K765	16978			16979		
34	580533.9	7099720.6	22-Jun-00	K765			K766	16979			16980		
35	580163.2	7099712.3	22-Jun-00	K766			K767	16980			16981		
36	579730.2	7099705.3	22-Jun-00	K767				16981			EOL		
								GOVT					
37	579582.6	7099691.4	22-Jun-00					SURVEY PIN					
	592084.0	7086867.0	12-Jun-00	W140	W138		W139	16044	16042	dropped	16043		
	592067.0	7087270.0	12-Jun-00					16046	16044	16043	16045		
	592047.0	7087647.0	12-Jun-00					16048	16046	16045	16047		
	592041.0	7088041.0	12-Jun-00					16050	16048	16047	16049		
	591239.0	7088361.0	12-Jun-00	W168	W166	W167	W169	16072	16070	16071	16073		
	591144.0	7088778.0	12-Jun-00					16074	16072	16073	16075		
	591283.0	7087915.0	12-Jun-00					16070	16068	16069	16071		
	591309.0	7087500.0	12-Jun-00					16064	16066	DROPPED	16069		
	592889.0	7086870.0	13-Jun-00	W110	W108	W109	W111	16014	16012	16013	16015		
	592856.0	7087263.0	13-Jun-00					16016	16014	16013	16017		
	592842.0	7087678.0	13-Jun-00					16018	16016	16017	16019		

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
	592823.0	7088070.0	13-Jun-00					16020	16018	16019	16021		
	593576.0	7088056.0	13-Jun-00	W77	W76	W75	W77	15982	15980	15979	15981		
	593587.0	7087640.0	13-Jun-00					15980	15978	15977	15979		
	593613.0	7087239.0	13-Jun-00					15978	15976	15975	15977		
	593656.0	7086812.0	13-Jun-00					15976	15974	15973	15975		
	593698.0	7086372.0	13-Jun-00					15974	15972	15971	15973		
	593704.0	7085960.0	13-Jun-00					15972	15970	15969	15971		
	593741.0	7085587.0	13-Jun-00					15970	15968	15967	15969		
	593752.0	7085164.0	13-Jun-00					15968	15966	15965	15967		
	593728.0	7084744.0	13-Jun-00					15966	DROPPED	DROPPED	15965		
	594617.0	7085062.0	13-Jun-00					15958	DROPPED	DROPPED	15957		
	594578.0	7085412.0	13-Jun-00					15960	15958	15957	15959		
	592087.0	7086434.0	14-Jun-00	W138	W136			16042	16040				
	592093.0	7086018.0	14-Jun-00					16040	D	D	D		
	592912.0	7086486.0	14-Jun-00	W108	W106	W107	W109	16012	16010	16011	16013		
	592924.0	7086070.0	14-Jun-00					16010	16008	16009	16011		
	592936.0	7085645.0	14-Jun-00					16008	16006	16007	16009		
	592963.0	7085246.0	14-Jun-00					16006	D	FR.POST	16006		
40	581713.6	7093007.4	23-Jun-00	K204	K203	K205	K206	16419	16418	D	D		
42	582084.3	7093070.4	23-Jun-00	K202	K201	K203	K204	16417	16416	16418	16419		
43	582479.2	7093129.2	23-Jun-00			K201	K202	UNTAGGED	UNTAGGED	16416	16417		
44	581594.9	7094009.6	23-Jun-00	K448	K449	K451	K450	16662	16663	16665	16664		
45	581199.9	7093999.3	23-Jun-00					16664	16665	16665		WINGS	
46	580769.6	7094658.5	23-Jun-00	K528	K527	K529	K530	16742	16741	D	D		
47	581164.2	7094684.9	23-Jun-00					16740	16739	16741	16742		
48	581000.8	7095571.1	23-Jun-00	K600	K601			16814	16815	D	D		
49	581364.1	7095581.2	23-Jun-00					16812	16813	16815	16814		
50	580703.8	7098497.9	24-Jun-00	K884	K885	K887	K886	UNTAGGED	UNTAGGED	17097	17096		
51	580293.9	7098467.6	24-Jun-00	K886	K887	K889	K888	17096	17097	17099	UNTAGGED	WINGS	
52	580347.8	7098046.2	24-Jun-00				K889				17099		
53	580660.9	7097744.5	24-Jun-00	K830	K831			17044	17045	D	D		
54	581081.4	7097766.8	24-Jun-00	K828	K829	K831	K830	17042	17043	17045	17044		
55	581044.5	7097072.7	24-Jun-00	K756	K757	K759	K758	16970	16971	16973	16972		
56	580632.1	7097051.2	24-Jun-00	K758	K759			16972	16973	D	D		
57	580744.4	7096121.2	24-Jun-00	K670	K669	K671	K672	16884	16883	D	D		
58	581151.7	7096155.1	24-Jun-00	K668	K667	K669	K670	16882	16881	16883	16884		
59	580927.5	7099254.8	24-Jun-00	K928	K929	K931	K930	UNTAGGED	UNTAGGED	17140	17139		
60	580115.6	7099164.5	24-Jun-00	K932	K933	K935	K934	17141	17142	D	D		
61	580518.9	7099193.4	25-Jun-00	K930	K931	K933	K932	17139	17140	17142	17141		
62	582987.2	7090908.5	26-Jun-00	K88	K89	K91	K90	16303	16304	D	D		
63	583391.7	7090927.6	26-Jun-00	K86	K87	K89	K88	16301	16302	16304	16303		
64	583469.7	7090203.1	26-Jun-00	K52	K51	K53	K54	16267	16266	16268	16269		
65	583070.1	7090166.7	26-Jun-00	K54	K53	K55	K56	16269	16268	D	D		
66	583872.9	7090242.0	26-Jun-00	K50	K49	K51	K52	16265	16264	16266	16267		
67	584260.1	7090287.7	26-Jun-00	K48	K47	K49	K50	16263	16262	16364	16265		
68	584655.1	7090141.6	26-Jun-00	K46	K45	K47	K48	16261	16260	16362	16263		

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69	585053.8	7090189.5	26-Jun-00	K44		K45	K46	16259		16260	16261		
70	583047.5	7089711.0	26-Jun-00	K38	K39	K41	K40	16254	16253	16255	16256		
71	583449.9	7089742.1	26-Jun-00	K36	K37	K39	K38	16251	16252	16253	16254		
72	583875.2	7089734.3	27-Jun-00	K34	K35	K37	K36	16249	16250	162552	16251		
73	584293.9	7089724.0	27-Jun-00	K33		K35	K34	16248	RJ CLAIMS	16250	16249		
74	582612.6	7089701.3	28-Jun-00	K40	K41		K42	16256	16255	SYNDICATE	16257	WING	
75	582668.3	7090074.7	28-Jun-00			K42		D	D	16257			
76	583736.8	7091754.9	28-Jun-00	K120	K119	K121	K122	16335	16334	16336	16337		
77	583307.0	7091744.0	28-Jun-00	K122	K121	K123	K124	16337	16336	16338	16339		
78	582904.9	7091710.6	28-Jun-00	K124	K123	K125	K126	16339	16338	16340	16341		
79	582516.4	7091680.0	28-Jun-00	K126	K125	K127	K128	16341	16340	16342	16343		
80	582145.5	7091632.6	28-Jun-00	K128	K127	K129	K128	16343	16342	D	D		
81	582029.5	7092383.0	28-Jun-00	K164	K163	K165	K166	16379	16378	16380	16381		
82	581621.6	7092344.2	28-Jun-00	K166	K165	K167	K168	16381	16380	D	D	WINGS	
83	582458.2	7092403.3	28-Jun-00	K162	K161	K163	K164	16377	16376	16378	16379		
84	582866.4	7092429.0	28-Jun-00	K160	K159	K161	K162	16375	16374	16376	16377		
85	583279.8	7092479.5	28-Jun-00	K158	K157	K159	K160	16373	16372	16374	16375		
86	587439.9	7092050.1	30-Jun-00	K102	K101	K103	REEF						
86A	587433.0	7091659.0	30-Jun-00				K103						
87	587034.6	7091990.4	30-Jun-00	K104	K103	K105	K106						
88	586862.4	7091970.0	30-Jun-00	K104			K105						
89	586858.8	7092345.5	1-Jul-00		K106	K105							
90	586039.2	7098891.2	1-Jul-00	K858	K859	K861	K860	D	17069	17071	D		
91	585653.9	7098875.8	1-Jul-00	K860	K861	K863	K862	D	17071	17073	D		
92	585213.9	7098851.2	1-Jul-00	K862	K863	K865	K864	D	17073	17075	D		
93	584783.7	7098832.9	1-Jul-00	K864	K865	K867	K866	D	17075	17077	D		
94	584390.3	7098802.5	1-Jul-00	K866	K867	K869	K868	D	17077	17079	D		
95	583975.5	7098750.6	1-Jul-00	K868	K869	K871	K870	D	17079	17081	17080		
96	583789.3	7099514.1	1-Jul-00	K914	K915	K917	K916	17123	17124	17126	17125		
97	584192.5	7099527.3	1-Jul-00	K912	K913	K915	K914	17121	17122	17124	17123		
98	584616.4	7099541.2	1-Jul-00	K910	K911	K913	K912	D	D	17122	17121		
99	585665.7	7099190.7	1-Jul-00	B28			B29						
100	586438.7	7098920.8	1-Jul-00	K856	K857	K859	K858	D	D	17069	D		
101	586079.2	7098166.3	3-Jul-00	K802	K803	K805	K804	D	D	17019	17018		
102	586543.0	7097382.5	3-Jul-00	K738	K729	K731	K730	D	D	16945	16944		
103	588533.8	7096906.1	3-Jul-00	K636	K635	K637	K638	D	D	16851	16852		
104	588517.1	7096070.2	3-Jul-00	K570	K571	K572	K573	D	D	16786	16787		
105	588997.7	7095303.4	3-Jul-00	K494	K493	K495	K496	D	16707	16709	D		
106	588608.5	7095258.8	3-Jul-00	K496	K495	K497	K498	D	16709	16711	16712		
K659	583231	7096369		K658	K657	K659	K660	YC16872	YC16871	YC16873	YC16874		
K661	582840	7096318		K660	K659	K661	K662	YC16874	YC16873	YC16875	YC16876		
K663	582388	7096266		K662	K661	K663	K664	YC16876	YC16875	YC16877	YC16878		
K665	581975	7096223		K664	K663	K665	K666	YC16878	YC16877	YC16879	YC16880		
K667	581562	7096182		K666	K665	K667	K668	YC16880	YC16879	YC16881	YC16882		
K598	581756	7095595		K597	K596	K598	K599	YC16811	YC16810	YC16812	YC16813		

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
K596	582157	7095600		K595	K594	K596	K597	YC16809	YC16808	YC16810	YC16811		
K153	584503	7092592		K152	K151	K153	K154	YC16367	YC16366	YC16368	YC16369		
K151	584921	7092622		K150	K149	K151	K152	YC16365	YC16364	YC16366	YC16367		
K149	858336	7092645		K148	K147	K149	K150	YC16363	YC16362	YC16364	YC16365		
K144P	586178	7092686		K144	K143	K145	K146	YC17359	YC16358	YC20053	YC20054	Post #2 for K146 is to north	
K145f	585989	7092676			K145f				YC20053			586 463/7092 708 line @ 45 deg	
K115	584964	7091752		K114	K113	K115	K116	YC16329	YC16328	YC16330	YC16331		
K117	584597	7091781		K116	K115	K117	K118	YC16331	YC16330	YC16332	YC16333		
K511	584311	7094932		K510	K509	K511	K512	YC16724	YC16723	YC16725	YC16726		
K509	584730	7094989		K508	K507	K509	K510	YC16722	YC16721	YC16723	YC16724		
K507	585123	7094994		K506	K505	K507	K508	YC16720	YC16719	YC16721	YC16722		
K505	585545	7095017		K504		K505	K506			YC16719	YC16720	Post K504 says K508 in field	
K499	588220	7095335		K498	K499	K499	K500	YC16712	YC16711	YC16713	YC16714	K499P2 to south,K500P2 to north	
K422	588229	7094957			K421	K422	K499		YC16635	YC16636	YC16713		
K422P	585866	7094984			K422				YC16636				
K421P	588598	7094891				K421				YC16635			
K500P	588244	7095708				K500				YC16714			
K101	587815	7092048		K100	K99	K101	K102	YC16315	YC16314	YC16316	YC16317		
K103f	587463	7092050		K102	K101	K103f		YC16317	YC16316	YC20050			
K103f	587432	7091667					K103f				YC20050		
K105f	586855	7091970		K105f			K104f	YC20052			YC20051		
K105f	586850	7092351			K105f	K104f			YC20052	YC20051			
K109	586240	7091902			K106f	K109	K110		YC20053	YC16324	YC16325		
K106f	586238	7091505		K106f				YC20053					
K111	585813	7091885		K110	K109	K111	K112	YC16325	YC16324	YC16326	YC16327		
K113	585397	7091869		K112	K111	K113	K114	YC16327	YC16326	YC16328	YC16329		
K147f	585342	7092232		K147f				YC20056				586 213/7092 667 line @160 deg	
K143	586600	7092721		K142	K141	K143	K144	YC16357	YC16356	YC16358	YC16359		
K15P1	585430	7090229			K31	K15			YC20049	YC20046			
K45	585051	7090196			K15	K45	K46		YC20046	YC16260	YC16261	see Peter's notes 26/06/00	
K31	585864	7090264				K31				YC20049			
K23	588335	7090465		K20	K21	K23	K22	YC16235	YC16236	YC16238	YC16237		
K25	587928	7090439		K22	K23	K25	K24	YC16237	YC16238	YC16240	YC16239		
K27	587538	7090418		K24	K25	K27	K26	YC16239	YC16240	YC16242	YC16241		
K29	587110	7090397		K26	K27	K29	K28	YC16241	YC16242	YC16244	YC16243		
K29P2	586710	7090393		K28	K29			YC16243	YC16244				
K17P2	587081	7090114			K17				YC16232				
K17	587509	7090110			K16	K17			YC20047	YC16232			
K16	587899	7090176				K16				YC20047			
W133f	592678	7091662			W132	W133			YC16036	YC16037			

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
W224	593725	7091040		W224				YC16128					
W225	593714	7091447		W225	W224			YC16129	YC16128				
W225P	593710	7091870			W225				YC16129				
W93P2	593321	7091862			W94	W93			YC15998	YC15997			
W93	593326	7091454		W94	W92	W91	W93	YC15998	YC15996	YC15995	YC15997		
W91	593374	7091062		W92	W90	W89	W91	YC15996	YC15994	YC15993	YC15995		
K141	586995	7092746		K140	K139	K141	K142	YC16355	YC16354	YC16356	YC16357		
K43	585839	7090675			K32	K43			YC16247	YC16258			
K44	585430	7090620			K43	K44			YC16258	YC16259			
K44P2	585046	7090584			K44				YC16259				
K32	586250	7090725			K30	K32			YC20048	YC16247		no K30 post #2 found in field	
K146P	586205	7093093				K146				YC20055			
K119	584169	7091764		K118	K117	K119	K120	YC16333	YC16332	YC16334	YC16335		
K11	588761	7089744		K10	K9	K11	K12	YC16225	YC16224	YC16226	YC16227		
K13	588353	7089730		K12	K11	K13	K14	YC16227	YC16226	YC16228	YC16229		
K13P2	587973	7089727		K14	K13			YC16229	YC16228				
K5P2	588050	7088997		K6	K5			YC16221	YC16220				
K5	588430	7088984		K4	K3	K5	K6	YC16219	YC16218	YC16220	YC16221		
K3	588802	7088987		K2	K1	K3	K4	YC16217	YC16216	YC16218	YC16219		
B1	587802	7095375				B1	B2			YC20011	YC20012		
B3	587399	7095294		B2	B1	B3	B4	YC20012	YC20011	YC20013	YC20014		
B3P2	586975	7095227		B4	B3			YC20014	YC20013				
B5	586914	7095354				B5	B6			YC20015	YC20016		
B7	586467	7095288		B6	B5	B7	B8	YC20016	YC20015	YC20017	YC20018		
B7P2	586055	7095222		B8	B7			YC20018	YC20017				
W1	588854.1	7094217.4	25-Sep-00	B19---								only post rec'd - quad not identified	
W2	588408.6	7094223.2	25-Sep-00	B21								only post rec'd - quad not identified	
W3	587989.1	7094207.2	25-Sep-00	B23								only post rec'd - quad not identified	
W4	587531.4	7094169.2	25-Sep-00	B25								only post rec'd - quad not identified	
W5	587478.2	7094604.3	25-Sep-00	B27								only post rec'd - quad not identified	
W6	587463.7	7095039.9	25-Sep-00	B27-2								only post rec'd - quad not identified	
W7	585664.3	7099191.9	25-Sep-00	B29								only post rec'd - quad not identified	
W8	585617.1	7099670.8	25-Sep-00	B31								only post rec'd - quad not identified	
W9	585560.9	7100032.9	25-Sep-00	B33								only post rec'd - quad not identified	

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
W10	588611.5	7092825.9	20-Sep-00	K133								only post rec'd - quad not identified
W11	588209.8	7092805.0	20-Sep-00	K135								only post rec'd - quad not identified
W12	587819.5	7092795.2	20-Sep-00	K137								only post rec'd - quad not identified
W13	587416.6	7092778.5	20-Sep-00	K139								only post rec'd - quad not identified
W14	588624.3	7093672.6	18-Sep-00	K171								only post rec'd - quad not identified
W15	588220.7	7093655.8	25-Sep-00	K173								only post rec'd - quad not identified
W16	587813.8	7093623.9	25-Sep-00	K175								only post rec'd - quad not identified
W17	588970.2	7092088.5	20-Sep-00	K19								only post rec'd - quad not identified
W18	596773.1	7092538.2	21-Sep-00	K233								only post rec'd - quad not identified
W19	596352.3	7092516.8	21-Sep-00	K235								only post rec'd - quad not identified
W20	595925.6	7092509.7	21-Sep-00	K237								only post rec'd - quad not identified
W21	595534.0	7092492.3	21-Sep-00	K239								only post rec'd - quad not identified
W22	595121.0	7092494.1	21-Sep-00	K241								only post rec'd - quad not identified
W23	594719.9	7092490.8	21-Sep-00	K243								only post rec'd - quad not identified
W24	594310.6	7092456.9	21-Sep-00	K245								only post rec'd - quad not identified
W25	593874.5	7092440.8	21-Sep-00	K247								only post rec'd - quad not identified
W26	593461.8	7092465.5	21-Sep-00	K249								only post rec'd - quad not identified
W27	593043.9	7092491.9	21-Sep-00	K251								only post rec'd - quad not identified
W28	592715.0	7092467.8	20-Sep-00	K253								only post rec'd - quad not identified
W29	592297.5	7092470.4	20-Sep-00	K255								only post rec'd - quad not identified
W30	590808.5	7092209.6	20-Sep-00	K259								only post rec'd - quad not identified
W31	590439.0	7092152.8	20-Sep-00	K261								only post rec'd - quad not identified
W32	590025.6	7092184.0	20-Sep-00	K263								only post rec'd - quad not identified

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
W33	589672.3	7092185.8	20-Sep-00	K265								only post rec'd - quad not identified	
W34	589355.0	7092152.8	20-Sep-00	K267								only post rec'd - quad not identified	
W35	596392.3	7093311.2	21-Sep-00	K293								only post rec'd - quad not identified	
W36	595969.4	7093293.4	21-Sep-00	K295								only post rec'd - quad not identified	
W37	595548.4	7093275.7	21-Sep-00	K297								only post rec'd - quad not identified	
W38	595109.8	7093241.4	21-Sep-00	K299								only post rec'd - quad not identified	
W39	594743.1	7093209.3	21-Sep-00	K301								only post rec'd - quad not identified	
W40	594334.1	7093202.3	21-Sep-00	K303								only post rec'd - quad not identified	
W41	593915.0	7093190.8	21-Sep-00	K305								only post rec'd - quad not identified	
W42	593485.9	7093136.1	21-Sep-00	K307								only post rec'd - quad not identified	
W43	593074.0	7093078.3	20-Sep-00	K309								only post rec'd - quad not identified	
W44	592675.3	7093015.6	20-Sep-00	K311								only post rec'd - quad not identified	
W45	592276.7	7092960.2	20-Sep-00	K313								only post rec'd - quad not identified	
W46	591874.7	7092948.3	20-Sep-00	K315								only post rec'd - quad not identified	
W47	591464.8	7092935.7	20-Sep-00	K317								only post rec'd - quad not identified	
W48	591066.1	7092928.2	20-Sep-00	K319								only post rec'd - quad not identified	
W49	590655.9	7092925.3	20-Sep-00	K321								only post rec'd - quad not identified	
W50	590239.9	7092934.8	20-Sep-00	K323								only post rec'd - quad not identified	
W51	589846.5	7092889.3	20-Sep-00	K325								only post rec'd - quad not identified	
W52	589427.7	7092883.9	20-Sep-00	K327								only post rec'd - quad not identified	
W53	589031.5	7092834.3	20-Sep-00	K329								only post rec'd - quad not identified	
W54	596337.5	7094267.7	18-Sep-00	K339								only post rec'd - quad not identified	
W55	595929.9	7094228.2	18-Sep-00	K341								only post rec'd - quad not identified	

					CLAIM NUMBERS					TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS	
W56	595513.8	7094175.4	18-Sep-00	K343								only post rec'd - quad not identified	
W57	595108.0	7094135.5	18-Sep-00	K345								only post rec'd - quad not identified	
W58	594705.0	7094093.3	18-Sep-00	K347								only post rec'd - quad not identified	
W59	594284.5	7094054.9	18-Sep-00	K349								only post rec'd - quad not identified	
W60	593852.6	7094015.5	18-Sep-00	K351								only post rec'd - quad not identified	
W61	593462.6	7093978.1	18-Sep-00	K353								only post rec'd - quad not identified	
W62	593050.2	7093938.9	18-Sep-00	K355								only post rec'd - quad not identified	
W63	592620.2	7093907.6	18-Sep-00	K357								only post rec'd - quad not identified	
W64	592221.8	7093865.3	18-Sep-00	K359								only post rec'd - quad not identified	
W65	591810.0	7093823.8	18-Sep-00	K361								only post rec'd - quad not identified	
W66	591413.7	7093773.9	18-Sep-00	K363								only post rec'd - quad not identified	
W67	591012.3	7093781.3	18-Sep-00	K365								only post rec'd - quad not identified	
W68	590611.0	7093766.1	18-Sep-00	K367								only post rec'd - quad not identified	
W69	590198.6	7093773.3	18-Sep-00	K369								only post rec'd - quad not identified	
W70	589813.0	7093750.2	18-Sep-00	K371								only post rec'd - quad not identified	
W71	589416.6	7093732.8	18-Sep-00	K373								only post rec'd - quad not identified	
W72	589018.9	7093683.2	18-Sep-00	K375								only post rec'd - quad not identified	
W73	595512.2	7094510.9	18-Sep-00	K387								only post rec'd - quad not identified	
W74	595086.7	7094517.6	18-Sep-00	K389								only post rec'd - quad not identified	
W75	594668.5	7094506.7	18-Sep-00	K391								only post rec'd - quad not identified	
W76	594266.6	7094523.2	18-Sep-00	K393								only post rec'd - quad not identified	
W77	593858.1	7094524.7	18-Sep-00	K395								only post rec'd - quad not identified	
W78	593461.4	7094524.8	18-Sep-00	K397								only post rec'd - quad not identified	

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
W79	593059.6	7094557.6	18-Sep-00	K399								only post rec'd - quad not identified
W80	592680.1	7094581.0	18-Sep-00	K401								only post rec'd - quad not identified
W81	592272.7	7094643.1	18-Sep-00	K403								only post rec'd - quad not identified
W82	591869.5	7094661.1	18-Sep-00	K405								only post rec'd - quad not identified
W83	591473.8	7094613.6	18-Sep-00	K407								only post rec'd - quad not identified
W84	591054.3	7094613.3	18-Sep-00	K409								only post rec'd - quad not identified
W85	590645.9	7094611.0	18-Sep-00	K411								only post rec'd - quad not identified
W86	590245.9	7094556.3	18-Sep-00	K413								only post rec'd - quad not identified
W87	589828.9	7094507.2	18-Sep-00	K415								only post rec'd - quad not identified
W88	589415.6	7094499.5	18-Sep-00	K417								only post rec'd - quad not identified
W89	589010.8	7094483.8	18-Sep-00	K419								only post rec'd - quad not identified
W90	589019.4	7094070.2	25-Sep-00	K419-2								only post rec'd - quad not identified
W91	589029.7	7094889.2	25-Sep-00	K420-2								only post rec'd - quad not identified
W92	587472.6	7091191.6	19-Sep-00	K69								only post rec'd - quad not identified
W93	587066.1	7091190.5	19-Sep-00	K71								only post rec'd - quad not identified
W94	586671.2	7091200.4	19-Sep-00	K73								only post rec'd - quad not identified
W95	586247.1	7091124.7	19-Sep-00	K75								only post rec'd - quad not identified
W96	585831.1	7091085.7	19-Sep-00	K77								only post rec'd - quad not identified
W97	585432.2	7091068.8	19-Sep-00	K79								only post rec'd - quad not identified
W98	585031.5	7091046.5	19-Sep-00	K81								only post rec'd - quad not identified
W99	584615.6	7091016.7	19-Sep-00	K83								only post rec'd - quad not identified
W100	584211.1	7090982.5	19-Sep-00	K85								only post rec'd - quad not identified
W101	583808.8	7090960.9	19-Sep-00	K87								only post rec'd - quad not identified

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
W102	588574.4	7092103.0	20-Sep-00	K97-A								only post rec'd - quad not identified
W103	592022.1	7088454.5	19-Sep-00	W145								only post rec'd - quad not identified
W104	592011.7	7088862.6	19-Sep-00	W147								only post rec'd - quad not identified
W105	591984.3	7089285.9	19-Sep-00	W149								only post rec'd - quad not identified
W106	591965.2	7089699.8	19-Sep-00	W151								only post rec'd - quad not identified
W107	591939.3	7090115.3	19-Sep-00	W153								only post rec'd - quad not identified
W108	591901.4	7090527.5	19-Sep-00	W155								only post rec'd - quad not identified
W109	591858.4	7090933.5	19-Sep-00	W157								only post rec'd - quad not identified
W110	591821.2	7091351.1	19-Sep-00	W159								only post rec'd - quad not identified
W111	591785.2	7091760.9	19-Sep-00	W161								only post rec'd - quad not identified
W112	591082.6	7089211.6	22-Sep-00	W171								only post rec'd - quad not identified
W113	591030.8	7089623.4	22-Sep-00	W173								only post rec'd - quad not identified
W114	591024.9	7089991.1	22-Sep-00	W175								only post rec'd - quad not identified
W115	591005.9	7090390.6	22-Sep-00	W177								only post rec'd - quad not identified
W116	590982.6	7090846.3	22-Sep-00	W179								only post rec'd - quad not identified
W117	590956.1	7091240.8	22-Sep-00	W181								only post rec'd - quad not identified
W118	590934.6	7091600.9	22-Sep-00	W183								only post rec'd - quad not identified
W119	590354.8	7090242.6	22-Sep-00	W190								only post rec'd - quad not identified
W120	590326.0	7090665.2	22-Sep-00	W192								only post rec'd - quad not identified
W121	590307.3	7091076.1	22-Sep-00	W194								only post rec'd - quad not identified
W122	590277.3	7091465.8	22-Sep-00	W196								only post rec'd - quad not identified
W123	590245.9	7091881.1	22-Sep-00	W198								only post rec'd - quad not identified
W124	590233.2	7092285.1	22-Sep-00	W200								only post rec'd - quad not identified

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
W125	589487.8	7091501.1	22-Sep-00	W214								only post rec'd - quad not identified
W126	589481.2	7091887.2	22-Sep-00	W216								only post rec'd - quad not identified
W127	589481.5	7092310.1	22-Sep-00	W218								only post rec'd - quad not identified
	588999.6	7095307.6	30-Sep-00	SN1								only post rec'd - quad not identified
	589168.7	7098352.4	3-Oct-00	SN33-2								only post rec'd - quad not identified
	583760.4	7099917.0	4-Oct-00	SN41-1								only post rec'd - quad not identified
	584191.7	7099905.9	4-Oct-00	SN43								only post rec'd - quad not identified
	584610.1	7099920.2	4-Oct-00	SN43-2								only post rec'd - quad not identified
	589000.1	7095308.2	30-Sep-00	SNO1								only post rec'd - quad not identified
	587018.6	7097401.1	2-Oct-00	SNO11								only post rec'd - quad not identified
	587437.3	7097412.3	2-Oct-00	SNO13								only post rec'd - quad not identified
	587894.8	7097431.1	2-Oct-00	SNO15								only post rec'd - quad not identified
	588322.9	7097446.8	3-Oct-00	SNO17								only post rec'd - quad not identified
	588755.9	7097454.9	3-Oct-00	SNO19								only post rec'd - quad not identified
	589168.7	7097464.3	3-Oct-00	SNO19E								only post rec'd - quad not identified
	586078.9	7098166.3	3-Oct-00	SNO21								only post rec'd - quad not identified
	586536.2	7098187.9	3-Oct-00	SNO23								only post rec'd - quad not identified
	586964.1	7098207.0	3-Oct-00	SNO25								only post rec'd - quad not identified
	587417.5	7098240.6	3-Oct-00	SNO27								only post rec'd - quad not identified
	587853.2	7098262.4	3-Oct-00	SNO29								only post rec'd - quad not identified
	588971.4	7095753.6	30-Sep-00	SNO3								only post rec'd - quad not identified
	588293.4	7098292.2	3-Oct-00	SNO31								only post rec'd - quad not identified

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
	588720.2	7098319.9	3-Oct-00	SNO33								only post rec'd - quad not identified
	586424.2	7098940.2	4-Oct-00	SNO36								only post rec'd - quad not identified
	586040.6	7098890.7	4-Oct-00	SNO37								only post rec'd - quad not identified
	585653.7	7098871.0	4-Oct-00	SNO38								only post rec'd - quad not identified
	585213.7	7098848.2	4-Oct-00	SNO38E								only post rec'd - quad not identified
	584387.6	7098796.4	4-Oct-00	SNO39								only post rec'd - quad not identified
	584793.5	7098839.1	4-Oct-00	SNO45								only post rec'd - quad not identified
	584780.6	7099283.1	9-Oct-00	SNO47								only post rec'd - quad not identified
	584752.8	7099718.4	9-Oct-00	SNO49								only post rec'd - quad not identified
	588942.2	7096198.9	30-Sep-00	SNO5								only post rec'd - quad not identified
	584747.5	7100163.2	9-Oct-00	SNO51								only post rec'd - quad not identified
	584754.9	7100586.8	9-Oct-00	SNO51E								only post rec'd - quad not identified
	588914.1	7096641.2	30-Sep-00	SNO7								only post rec'd - quad not identified
	588900.0	7097088.2	30-Sep-00	SNO7E								only post rec'd - quad not identified
	586542.9	7097370.0	2-Oct-00	SNO9								only post rec'd - quad not identified
	583921.9	7094925.3	7-Sep-00	K513								only post rec'd - quad not identified
	583922.5	7094923.5	7-Sep-00	K513								only post rec'd - quad not identified
	583528	7094905.8	7-Sep-00	K515								only post rec'd - quad not identified
	583526.2	7094906.9	7-Sep-00	K515								only post rec'd - quad not identified
	583164.4	7094886.5	7-Sep-00	K517								only post rec'd - quad not identified
	583159.7	7094882.8	7-Sep-00	K517								only post rec'd - quad not identified
	582785.5	7094823.2	7-Sep-00	K519								only post rec'd - quad not identified

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM	NW CLAIM		SE	SW	NW	
	582793.5	7094829.4	7-Sep-00	K519								only post rec'd - quad not identified
	582381.8	7094779.6	7-Sep-00	K521								only post rec'd - quad not identified
	582383.8	7094782.1	7-Sep-00	K521								only post rec'd - quad not identified
	581962.5	7094722.5	7-Sep-00	K523								only post rec'd - quad not identified
	581963.3	7094732.1	7-Sep-00	K523								only post rec'd - quad not identified
	581559.7	7094724.5	7-Sep-00	K525								only post rec'd - quad not identified
	581558.2	7094719.1	7-Sep-00	K525								only post rec'd - quad not identified
	582710.9	7097141	8-Sep-00	K751								only post rec'd - quad not identified
	581878.6	7097120.8	8-Sep-00	K755								only post rec'd - quad not identified
	581458.8	7097096	8-Sep-00	K757								only post rec'd - quad not identified
	582767.1	7097815.8	8-Sep-00	K823								only post rec'd - quad not identified
	582339.6	7097809.3	8-Sep-00	K825								only post rec'd - quad not identified
	581900.1	7097809.7	8-Sep-00	K827								only post rec'd - quad not identified
	581489.6	7097786.4	8-Sep-00	K829								only post rec'd - quad not identified
	582323.5	7098625.8	8-Sep-00	K877								only post rec'd - quad not identified
	581921.2	7098614.6	8-Sep-00	K879								only post rec'd - quad not identified
	581511.3	7098563.2	8-Sep-00	K881								only post rec'd - quad not identified
	581101.9	7098523.2	8-Sep-00	K883								only post rec'd - quad not identified
	580694.8	7098493.5	8-Sep-00	K885								only post rec'd - quad not identified
	582175.6	7099389.8	8-Sep-00	K923								only post rec'd - quad not identified
	581768.9	7099357.5	8-Sep-00	K925								only post rec'd - quad not identified
	581335.2	7099318.1	8-Sep-00	K927								only post rec'd - quad not identified
	580926.2	7099253	8-Sep-00	K929								only post rec'd - quad not identified

WPT	EAST	NORTH	DATE	NE CLAIM	CLAIM NUMBERS			NW CLAIM	NE	TAG NUMBERS			COMMENTS
					SE CLAIM	SW CLAIM				SE	SW	NW	
	588643	7091223				K63		K62					
	588279	7091231		K62	K63	K65		K64					
	587874	7091198		K65	K67	K66		K64					
	591965	7089700		K152	K151	K153		K154					
	591939	7090115		K154	K153	K155		K156					
	591901	7090528		K156	K155	K157		K158					
	585738	7093435		K184	K183	K185		K186					
	584933	7093385		K188	K187	K189		K190					
	584534	7093349		K190	K189	K191		K192					
	584104	7093309		K192	K191	K193		K194					
	583704	7093264		K194	K193	K195		K196					
	583280	7093214		K196	K195	K197		K198					
	582905	7093176		#1 YA88187									
	582897	7093160		K198	K197	K199		K200					
	582913	7093163		YA88185									
	585317	7093418		K186	K185	K187		K188					
	586159	7093471		K182#2	K181	K183		K184					
	586575	7093506		K180	K179	K181		K182					
	587010	7093534		K178	K177	K179		K180					
	587425	7093574		K176	K175	K177		K178					
	581985	7094029		K446	K447	K449		K448					
	582412	7094088		K444	K445	K447		K448					
	582807	7094069		K442	K443	K445		K444					
	583223	7094085		K440	K441	K443		K442					
	583652	7094119		K438	K439	K441		K440					
	584066	7094123		K436	K437	K439		K438					
	584468	7094145		K434	K435	K437		K436					
	584877	7094163		K432	K433	K435		K434					
	585291	7094191		K430	K431	K433		K432					
	585718	7094228		K428	K429	K431		K430					
	586101	7094262		K426	K427	K429		K428					
	583926	7094922		K512	K511	K513		K514					
	583527	7094905		K514	K513	K515		K516					
	583161	7094886		K516	K515	K517		K518					
	582783	7094826		K518	K517	K519		K520					
	582380	7094782		K520	K519	K521		K522					
	581962	7094723		K522	K521	K523		K524					
	581558	7094719		?K524	?K523	K525		K526					
	588525	7096064		K572	K570	K572		K573					
	588126	7096036		K573	K572	K574		K575					
	587709	7095980		K575	K574								

[illegible]

WPT	EAST	NORTH	DATE	CLAIM NUMBERS				NE	TAG NUMBERS		NW	COMMENTS
				NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM		SE	SW		
	586508.8	7092256.3		ICE2								only post rec'd - quad not identified
	586147.8	7092528.6		ICE3								only post rec'd - quad not identified
	585808.7	7092820.6		ICE3P2								only post rec'd - quad not identified
	585777.2	7092781.5		ICE5								only post rec'd - quad not identified
	585431.3	7093063.3		ICE5P2								only post rec'd - quad not identified
	587203.4	7091693.7		ICE7P2								only post rec'd - quad not identified
	583930.1	7094700.7		ICE8								only post rec'd - quad not identified
	583503.3	7094594.1		ICE8P2								only post rec'd - quad not identified
	584709.4	7091019.8		ICE9								only post rec'd - quad not identified
	585027.1	7091317.3		ICE9P2								only post rec'd - quad not identified
	593448	7089757	?Aug 2000	W86	W84	W83	W85	YC15990	YC15988	YC15987	YC15989	
	593408	7090164	?Aug 2001	W88	W86	W85	W87	YC15992	YC15990	YC15989	YC15991	
	593405	7090619	?Aug 2002	W90	W88	W87	W89	YC15994	YC15992	YC15991	YC15993	
	589491	7091098	?Aug 2003	W214	W212	W213	W215	YC16118	YC16116	YC16117	YC16119	
	589355	7090684	?Aug 2004				W226				YC16130	
	589286	7091091	?Aug 2005			W226	W227			YC16130	YC16131	
	589208	7091487	?Aug 2006			W227	W228			YC16131	YC16132	
	589139	7091884	?Aug 2007			W228	W229			YC16132	YC16133	
	589101	7092296	?Aug 2008			W229				YC16133		
	588577	7092108	?Aug 2009			K97	K98			YC16312	YC16313	
	588210	7092070	?Aug 2010	K98	K97	K99	K100	YC16313	YC16312	YC16314	YC16315	
	587874	7091198	?Aug 2011	K65	K67	K66	K64	YC16280	YC16282	YC16281	YC16279	
	588279	7091231	?Aug 2012	K62	K63	K65	K64	YC16277	YC16278	YC16280	YC16279	
	588643	7091223	?Aug 2013			K63	K62			YC16278	YC16277	
	588729	7090502	?Aug 2014			K21	K20			YC16236	YC16235	
	589184	7089750	?Aug 2015			K9	K10			YC16224	YC16225	
	594076	7089740	?Aug 2016	W98	W96	W95	W97	YC16002	YC16000	YC15999	YC16001	
	594148	7089337	?Aug 2017	W96			W95	YC16000			YC15999	
	594055	7090120	?Aug 2018	W100	W98	W97	W99	YC16004	YC16002	YC16001	YC16003	
	587276	7096117	Jun-01	B10	B9	B11	B12	YC20020	YC20019	YC20021	YC20022	B9 post
	587655	7096168	Jun-01			B9	B10			YC20019	YC20020	B9 post
	587009	7096077	Jun-01	B12	B11			YC20022	YC20021			B11 post
	586944	7096166	Jun-01			B13	B14			YC20023	YC20024	No line from B13 - Not staked to W

					CLAIM NUMBERS				TAG NUMBERS			
WPT	EAST	NORTH	DATE	NE CLAIM	SE CLAIM	SW CLAIM	NW CLAIM	NE	SE	SW	NW	COMMENTS
	587348	7093798	Jun-01	K423				YC16637				Post 2 staked to E
	586959	7093844	Jun-01	K425			K423	YC16639			YC16637	
	586537	7093887	Jun-01				K425				YC16639	End of line
	586522	7094284	Jun-01	K424(P1)		K427(P1)	K426(P1)	YC16638		YC16641	YC16640	
	586496	7094694	Jun-01	K501(P1->E)	K428(P2)		K502(P1->W)	YC16715	YC16638		YC16716	
	586693	7094656	Jun-01			K501(P2)				YC16715		
	586088	7094660	Jun-01	K502			K503	YC16716			YC16717	
	585656	7094578	Jun-01	K503				YC16717				
	585548	7095017	Jun-01	K504				YC16718				
	585448	7095402	Jun-01	K577(P1)	K504(P2)			YC16791	YC16718			
	585414	7096168	Jun-01	K645	K576(P2)							

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	gdt 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

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 1											
GRAND FORKS 1:50,000 115-0/14											
		Sampled: 4-Jun-00		By: RGA, PL, RB							
		Sample Interval (m): 50									
K0001		584870	7094160			10 to 15		y-b	si lm rfg	qf s	
K0002		584830	7094200			10 to 15		y-b	si lm,rfg	qf s	
K0003		584800	7094240			10 to 15		y-b	si lm,rfg	qf por, qte	
K0004		584770	7094280			10 to 15		y-b	si lm,rfg	qv meso, qm s	
K0005		584730	7094320			10 to 15		y-b	si lm,rfg	qv meso, qf por	
K0006		584700	7094350			10 to 15		y-b	si lm,rfg	qv meso, f por	
K0007		584670	7094400			10 to 15		y-b	si lm,rfg	qv meso, qm s	
K0008		584630	7094430			10 to 15		y-b	si lm,rfg	qmp s, qv meso	
K0009		584600	7094460			10 to 15	f	y-b	si lm,rfg	qmp s, qv meso	
K0010		584570	7094500			10 to 15		y-b	si lm,rfg	qf por	cf Sample 1999/17
K0011		584540	7094540			10 to 15		y-b	si lm,rfg	qf por, qmp s	cf Sample 1999/16
K0012		584500	7094580			10 to 15		b	si lm		cf Sample 1999/15
K0013		584470	7094620			10 to 15		b	si lm	qmp s	cf Sample 1999/14
K0014		584440	7094650			10 to 15		y-b	si cl	qm s , qc s	cf Sample 1999/13
K0015		584400	7094690			10 to 15		ptly lim	si cl	qf por	cf Sample 1999/12
K0016		584370	7094730			10 to 15		b	si cl	lim qm s	cf Sample 1999/11
K0017		584340	7094770			10 to 15		ptly lim	si cl	qmp s	
K0018		584310	7094810			10 to 15		ptly lim	si cl	qmp s, qf por	
K0019		584270	7094840			10 to 15		b	si cl	qmcp s	
K0020		584230	7094860			10 to 15		b	si cl	qmcp s	
K0021		584180	7094880			10 to 15		b	si cl	qte	level section
K0022		584140	7094910			10 to 15		b	si cl	qm s	
K0023		584100	7094930			10 to 15		b	si cl	qm s , qv meso	
K0024		584050	7094960			10 to 15		b	si cl	q por	
K0025		584010	7094980			10 to 15		b	si cl	qmcp s	
K0026		583970	7095010			10 to 15		b	si cl	qmcp s	
K0027		583950	7095040			10 to 15		b	si cl	qmc s	
K0028		583950	7095100			10 to 15		b	si cl	q por, tr hem	
K0029		583950	7095150			10 to 15		b	si cl	lim bands in qmp s	
K0030		583960	7095190			10 to 15		b	si cl gr	qf por, fol	

K 0001
DUP-K 0001

K 0010
DUP-K 0010

K 0013
DUP-K 0013

K 0025
DUP-K 0025

SAMPLE No.		Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
Scheme Code		MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Analysis Unit		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit		5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
TRAVERSE 1																		
	K0001	80	71	-10	379	-0.1	35	7	-0.1	0.95	270390	16	16	3	2	5	2	1.2
	K0002	85	140	-10	198	-0.1	4	3	-0.1	3.53	343490	25	12	4	2	6	2	2.3
	K0003	91	68	-10	478	0.19	6	8	-0.1	1.74	91590	24	14	3	4	4	3	1
	K0004	79	30	-10	445	-0.1	3	7	0.15	2.64	213290	13	11	2	3	4	3	1.8
	K0005	38	36	-10	335	-0.1	5	7	-0.1	1.07	118990	3	6	-1	2	-3	1	0.6
	K0006	66	40	-10	873	-0.1	5	6	0.11	0.51	42540	2	4	-1	1	-3	2	0.2
	K0007	84	48	-10	358	-0.1	3	8	-0.1	1.54	139890	12	4	1	2	-3	3	1
	K0008					-0.1	2	3	0.1	0.45								
	K0009					0.1	6	8	-0.1	0.91								
	K0010	80	71	-10	379	0.1	5	10	0.16	1	270390	16	16	3	2	5	2	1.2
	K0011	85	140	-10	198	-0.1	6	10	0.16	0.94	343490	25	12	4	2	6	2	2.3
	K0012	91	68	-10	478	-0.1	18	26	0.23	1.86	91590	24	14	3	4	4	3	1
	K0013	79	30	-10	445	-0.1	2	7	0.2	1.16	213290	13	11	2	3	4	3	1.8
	K0014	38	36	-10	335	-0.1	7	10	-0.1	2.22	118990	3	6	-1	2	-3	1	0.6
	K0015	66	40	-10	873	-0.1	2	7	-0.1	5.52	42540	2	4	-1	1	-3	2	0.2
	K0016	84	48	-10	358	-0.1	5	9	-0.1	2.11	139890	12	4	1	2	-3	3	1
	K0017					-0.1	9	7	0.15	5.32								
	K0018					-0.1	8	9	-0.1	1.26								
	K0019					0.14	5	8	-0.1	7.28								
	K0020					-0.1	6	6	-0.1	5.92								
	K0021					-0.1	5	6	-0.1	15.4								
	K0022					0.25	6	7	-0.1	10.3								
	K0023					-0.1	5	4	-0.1	5.7								
	K0024					-0.1	12	8	-0.1	23.6								
	K0025					-0.1	8	13	-0.1	14.5								
	K0026					-0.1	4	4	-0.1	9.13								
	K0027					-0.1	17	10	-0.1	9.32								
	K0028					-0.1	4	10	-0.1	6.43								
	K0029					-0.1	25	6	-0.1	6.87								
	K0030					-0.1	35	31	-0.1	6.46								
	K 0001					-0.1	35	7	-0.1	0.95								
	DUP-K 0001					-0.1	31	6	-0.1	1.11								
	K 0010	80	71	-10	379						270390	16	16	3	2	5	2	1.2
	DUP-K 0010	75	80	-10	335						303390	15	13	2	2	-3	-1	1.2
	K 0013					-0.1	2	7	0.2	1.16								
	DUP-K 0013					-0.1	3	11	-0.1	1.36								
	K 0025					-0.1	8	13	-0.1	14.5								
	DUP-K 0025					-0.1	6	12	-0.1	13.2								

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 1 (-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 13-Jul-00			By: PL,SJ						
		Sample Interval (m): 50									
K0001		584870	7094160		S++	15		yb	si cl	qf s	"B" HOR
K0002		584830	7094200		S++	15		yb	si cl	qf s	"B" HOR
K0003		584800	7094240		S++	15		yb	gr si cl	qf por, qte	"B" HOR
K0004		584770	7094280		S++	20		yb	si cl	qv meso, qm s	"B" HOR
K0005		584730	7094320		S++	20	PF	yb	si cl	qv meso, qf por	"B" HOR
K0006		584700	7094350		S++	20	PF	yb	gr si cl	qv meso, f por	"B" HOR
K0007		584670	7094400		S++	25	sk org	yb	gr si cl	qv meso, qm s	"B" HOR
K0008		584630	7094430		S++	25	org	yb	gr si cl	qmp s, qv meso	"B" HOR
K0009		584600	7094460		S++	20		yb	gr si cl	qmp s, qv meso	no
K0010		584570	7094500		S++	35	org	yb	si cl	qf por	flags
K0011		584540	7094540		S++	25		rb	gr si cl	qf por, qmp s	here
K0012		584500	7094580		S++	20	sk org	rb	gr si cl		poorly developed
K0013		584470	7094620		S++	25		rb yb	si cl	qmp s	"B" HOR
K0014		584440	7094650		S++	25		yb	si cl	qm s , qc s	"B" HOR
K0015		584400	7094690		saddle	15		yb	gr si cl	qf por	"B" HOR
K0016		584370	7094730		S+	25		yb	si cl	lim qm s	"B" HOR
K0017		584340	7094770		S+	15	org	yb	si cl	qmp s	"B" HOR
K0018		584310	7094810		S++	20		yb	si cl	qmp s, qf por	"B" HOR
K0019		584270	7094840		S++	20		yb	gr si cl	qmcp s	"B" HOR
K0020		584230	7094860		S++	20		ob	si cl	qmcp s	"B" HOR
K0021		584180	7094880		S++	15	minor org	ob	si cl	qte	"B" HOR
K0022		584140	7094910		S++	20		yb	gr si cl	qm s	"B" HOR
K0023		584100	7094930		S++	20		yb	si cl	qm s , qv meso	"B" HOR
K0024		584050	7094960		S++	25		yb	gv gr cl si	q por	"B" HOR
K0025		584010	7094980		S++	20	org	yb	gr si cl	qmcp s	"B" HOR
K0026		583970	7095010		S++	20		yb	si cl gr	qmcp s	"B" HOR
K0027		583950	7095040		S++	15	org	yb	si cl	qmc s	"B" HOR
K0028		583950	7095100		S++	15	minor org	yb	gr si cl	q por, tr hem	"B" HOR
K0029		583950	7095150		S++	15		yb	si cl	lim bands in qmp s	"B" HOR
K0030		583960	7095190		S++	15		yb	cl s si	qf por, fol	"B" HOR

SAMPLE No.
TRAVERSE 1 (-80)

Scheme Code Analysis Unit	Au 3993 ppm	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 %
K0001	<1	<0.2	2.55	8	<10	310	0.5	<2	0.06	<0.5	8	35	11	3.46	<10	<1	0.04
K0002	<1	<0.2	1.39	<2	<10	150	<0.5	<2	0.02	<0.5	1	9	2	1.35	<10	<1	0.03
K0003	<1	<0.2	1.44	6	<10	160	<0.5	<2	0.05	<0.5	3	20	8	1.97	<10	<1	0.04
K0004	<1	<0.2	0.97	<2	<10	120	<0.5	<2	0.04	<0.5	1	10	4	1.12	<10	<1	0.04
K0005	<1	<0.2	1.22	2	<10	150	<0.5	<2	0.07	<0.5	1	14	4	1.64	<10	<1	0.03
K0006	3	<0.2	1.92	6	<10	190	<0.5	<2	0.07	<0.5	6	23	9	2.23	<10	<1	0.03
K0007	<1	<0.2	0.68	4	<10	160	<0.5	<2	0.05	<0.5	<1	5	3	0.95	<10	<1	0.06
K0008	<1	<0.2	1.38	20	<10	190	<0.5	<2	0.05	<0.5	4	13	9	1.9	<10	<1	0.07
K0009	<1	<0.2	1.22	8	<10	200	<0.5	<2	0.08	<0.5	3	15	7	1.61	<10	<1	0.05
K0010	2	<0.2	1.5	6	<10	270	<0.5	<2	0.1	<0.5	7	23	14	2.38	<10	<1	0.04
K0011	1	<0.2	1.3	4	<10	180	<0.5	<2	0.07	<0.5	2	13	7	2.01	<10	<1	0.06
K0012	<1	<0.2	1.62	8	<10	130	<0.5	<2	0.06	<0.5	4	19	6	2.74	<10	<1	0.05
K0013	<1	<0.2	1.1	2	<10	130	<0.5	<2	0.04	<0.5	1	13	5	1.53	<10	<1	0.04
K0014	<1	<0.2	1.86	8	<10	230	<0.5	<2	0.07	<0.5	6	23	11	2.48	<10	<1	0.05
K0015	<1	<0.2	0.75	6	<10	140	<0.5	<2	0.03	<0.5	1	5	4	1.18	<10	<1	0.1
K0016	2	<0.2	1.58	10	<10	210	<0.5	<2	0.08	<0.5	3	20	6	2.59	<10	<1	0.06
K0017	<1	<0.2	2.03	8	<10	230	<0.5	<2	0.05	<0.5	5	24	8	2.89	<10	<1	0.05
K0018	<1	<0.2	1.54	6	<10	210	<0.5	<2	0.05	<0.5	3	18	6	2.33	<10	<1	0.06
K0019	<1	<0.2	1.79	6	<10	200	0.5	<2	0.06	<0.5	5	25	12	2.43	<10	<1	0.04
K0020	<1	<0.2	1.13	6	<10	120	<0.5	<2	0.01	<0.5	1	11	4	1.94	<10	<1	0.04
K0021	2	<0.2	1.97	8	<10	270	0.5	<2	0.05	<0.5	5	27	10	2.51	<10	<1	0.04
K0022	<1	<0.2	1.16	6	<10	110	<0.5	<2	0.04	<0.5	3	16	8	1.71	<10	<1	0.04
K0023	3	<0.2	1.68	6	<10	190	<0.5	<2	0.05	<0.5	4	23	6	2.25	<10	<1	0.03
K0024	<1	<0.2	1.6	6	<10	220	0.5	<2	0.05	<0.5	4	21	12	1.98	<10	<1	0.04
K0025	<1	<0.2	1.34	6	<10	160	<0.5	<2	0.04	<0.5	2	16	5	2.01	<10	<1	0.04
K0026	<1	<0.2	0.84	6	<10	170	<0.5	<2	0.04	<0.5	<1	9	3	1.38	<10	<1	0.04
K0027	<1	<0.2	2.34	8	<10	430	0.5	<2	0.06	<0.5	5	27	10	2.96	<10	<1	0.04
K0028	2	<0.2	1.41	4	<10	220	<0.5	<2	0.08	<0.5	4	19	7	1.91	<10	<1	0.03
K0029	2	<0.2	1.29	4	<10	230	<0.5	<2	0.05	<0.5	4	20	11	1.8	<10	<1	0.03
K0030	<1	<0.2	0.94	4	<10	190	<0.5	<2	0.03	<0.5	1	10	4	1.37	<10	<1	0.03

SAMPLE No.
TRAVERSE 1 (-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
K0001	10	0.44	270	<1	0.01	18	210	14	<0.01	<2	3	8	0.06	<10	<10	68	<10	54
K0002	10	0.21	65	1	<0.01	5	60	14	<0.01	<2	1	4	0.01	<10	<10	18	<10	20
K0003	10	0.3	105	<1	0.01	10	120	14	<0.01	<2	2	7	0.03	<10	<10	35	<10	30
K0004	10	0.27	50	<1	<0.01	5	100	20	<0.01	<2	1	5	0.01	<10	<10	18	<10	22
K0005	<10	0.34	80	<1	0.01	6	140	10	<0.01	<2	1	8	0.03	<10	<10	28	<10	26
K0006	<10	0.43	155	<1	0.01	15	140	14	<0.01	<2	2	9	0.04	<10	<10	36	<10	36
K0007	10	0.19	80	<1	<0.01	2	100	18	<0.01	<2	1	7	<0.01	<10	<10	9	<10	20
K0008	10	0.2	100	<1	0.01	7	140	26	<0.01	<2	3	7	0.01	<10	<10	19	<10	30
K0009	10	0.24	85	<1	<0.01	8	160	18	<0.01	<2	2	9	0.03	<10	<10	28	<10	26
K0010	10	0.38	235	<1	0.01	14	200	12	<0.01	<2	4	12	0.04	<10	<10	40	<10	44
K0011	10	0.25	70	<1	<0.01	8	190	30	<0.01	<2	2	7	0.01	<10	<10	24	<10	26
K0012	10	0.23	155	1	0.01	11	300	32	0.01	<2	2	10	0.02	<10	<10	39	<10	34
K0013	10	0.17	50	<1	<0.01	6	90	22	<0.01	<2	2	5	0.01	<10	<10	25	<10	16
K0014	10	0.37	130	<1	0.01	16	130	14	<0.01	<2	2	9	0.04	<10	<10	43	<10	38
K0015	10	0.06	40	<1	<0.01	4	70	34	<0.01	<2	1	9	<0.01	<10	<10	8	<10	22
K0016	10	0.3	115	1	0.01	10	200	24	<0.01	<2	2	10	0.04	<10	<10	50	<10	30
K0017	<10	0.34	190	<1	0.01	13	160	26	<0.01	<2	2	7	0.02	<10	<10	47	<10	46
K0018	<10	0.27	125	<1	0.01	9	120	16	<0.01	<2	2	8	0.03	<10	<10	38	<10	32
K0019	10	0.33	165	<1	0.01	16	110	22	<0.01	<2	3	7	0.03	<10	<10	41	<10	38
K0020	<10	0.16	75	<1	<0.01	4	90	16	<0.01	<2	2	3	0.01	<10	<10	28	<10	32
K0021	20	0.33	155	<1	0.01	14	90	34	<0.01	<2	4	7	0.04	<10	<10	49	<10	46
K0022	10	0.27	115	<1	<0.01	10	80	20	<0.01	<2	2	6	0.03	<10	<10	31	<10	40
K0023	10	0.31	130	<1	0.01	10	90	18	<0.01	<2	3	7	0.04	<10	<10	48	<10	38
K0024	30	0.31	145	<1	0.01	12	70	30	<0.01	<2	3	8	0.03	<10	<10	32	<10	50
K0025	10	0.21	100	<1	0.01	7	100	20	<0.01	<2	3	6	0.03	<10	<10	36	<10	34
K0026	<10	0.13	65	<1	<0.01	4	80	14	<0.01	<2	1	5	0.04	<10	<10	33	<10	22
K0027	10	0.4	195	1	0.01	14	170	14	<0.01	<2	3	9	0.05	<10	<10	60	<10	48
K0028	<10	0.3	130	<1	0.01	10	90	14	<0.01	<2	2	9	0.04	<10	<10	37	<10	36
K0029	20	0.29	145	<1	<0.01	11	80	22	<0.01	<2	3	7	0.04	<10	<10	32	<10	32
K0030	<10	0.16	70	1	<0.01	5	70	26	<0.01	<2	2	5	0.01	<10	<10	21	<10	24

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 2		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 5-Jun-00			By: RGA, PL, RB						
		Sample Interval (m): 100									
K0031		586840	7095060			5-15	f	b	si cl	m qte	
K0032		586860	7094980			5-15	f	b	si cl	qf por	
K0033		586880	7094880			5-15	f	b	si cl	m qte, cs/qte	Line 3 / 0m
K0070		586900	7094790			15-20	pf	yb	si cl		
K0071		586930	7094700			15-20	pf	yb	si cl	qte, p	
K0072		586950	7094610			15-20		yb	si cl	qmp s	
K0073		586970	7094520			15-20		gb	si cl	qmp s	
K0074		586990	7094430			15-20		gb	si cl	qte, qmc s	much rock frag
K0075		587010	7094330			15-20	f	yb	si cl	b qte, qb s	Line 4 / 0m
K0076		587040	7094240			15-20	pf	yb	si cl	qpmc s	
K0077		587060	7094160			15-20		yb	si cl	qmp s	
K0078		587080	7094080			15-20		og	cl	qmp s	
K0079		587100	7093960			15-20		b	si cl	qmp s	
K0080		587105	7093870			15-20		some b	sk org	qte p	
K0081		587080	7093775			15-20	pf	ob	si cl	qmc s	
K0082		587030	7093680			15-20	f		sk	qmp s	poor sample
K0083		586980	7093575			15-20		or	si cl		
K0084		586950	7093475			15-20	pf	b	si cl		
K0085		586930	7093360			15-20	f	b	si cl		
K0086		586930	7093260			15-20		rb	si cl	qmcp s	

K 0073
DUP-K 0073

K 0085
DUP-K 0085

SAMPLE No.

TRAVERSE 2
Scheme Code
Analysis Unit
Detection Limit

Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0031	39	267	41	368	-0.1	15	21	0.15	0.48	691	49	4	2	-3	5	1.7
K0032	65	96	-10	397	0.1	11	8	-0.1	2.36	151	33	-2	-1	2	-3	4
K0033	115	60	-10	516	0.19	6	48	-0.1	4.47	355	76	4	2	3	-3	1.4
K0070	49	113	-10	492	-0.1	6	12	-0.1	0.93	593	24	-2	2	2	-3	0.9
K0071	26	74	-10	388	-0.1	4	8	-0.1	0.56	151	75	-2	4	2	-3	1.8
K0072	31	46	-10	512	0.36	8	26	-0.1	6.79	-100	50	-2	-1	1	-3	0.1
K0073	48	113	-10	554	0.49	20	12	-0.1	4.39	202	174	-2	3	4	-3	2.3
K0074	100	215	13	474	0.59	82	124	-0.1	9.71	225	134	7	12	5	-3	0.8
K0075	48	252	21	287	0.17	15	30	-0.1	0.3	948	75	3	5	1	-3	0.5
K0076	20	309	11	310	0.17	19	32	0.21	18.1	948	52	6	6	4	-3	2.5
K0077	8	47	-10	374	-0.1	6	9	-0.1	2.73	520	36	5	3	1	-3	1.3
K0078	17	71	12	436	-0.1	9	5	-0.1	2.31	112	16	3	2	-1	-3	0.5
K0079	12	857	16	378	-0.1	10	9	0.11	3.24	235	112	-2	5	1	-3	1.1
K0080	-5	172	25	429	0.11	6	6	-0.1	2.8	208	66	-2	3	-1	-3	0.7
K0081	55	87	-10	630	-0.1	5	9	-0.1	1.52	764	16	6	3	1	-3	1.3
K0082	59	168	14	635	-0.1	6	15	0.14	2.7	153	92	7	10	1	-3	2.8
K0083	36	73	-10	781	-0.1	8	7	-0.1	4.44	-100	3	-2	-1	-1	-3	-0.1
K0084	37	497	-10	279	-0.1	7	10	-0.1	0.5	153	432	4	8	2	-3	2.2
K0085	13	108	-10	294	-0.1	6	10	0.13	0.57	370	52	-2	6	1	-3	0.8
K0086	7	60	10	425	-0.1	5	6	-0.1	2.92	285	39	-2	2	-1	-3	0.6
K 0073	48	113	-10	554	0.49	20	12	-0.1	4.39	202	174	-2	3	4	-3	2.3
DUP-K 0073	52	106	-10	533	0.45	23	13	-0.1	3.85	203	156	-2	2	4	-3	2.5
K 0085	13	108	-10	294	-0.1	6	10	0.13	0.57	370	52	-2	6	1	-3	0.8
DUP-K 0085	11	96	-10	308	-0.10	6	11	0.12	0.42	382	47	-2	4	1	-3	0.9

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 3		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 5-Jun-00			By: RGA, PL, RB						
		Sample Interval (m): 25									
	c	587700	7094870			5-10	f	gb	si cl		
K0035		587680	7094870			5-10	f	gb	si cl		
K0036		587660	7094870			5-10	f	gb	si cl	qv meso	
K0037		587630	7094870			10-15	f	gb	50% ice		
K0038		587610	7094870			10-15	f	gb	50% ice		
K0039		587590	7094870			10-15	f	gb	hum&ice minor soil		poor sample
K0040		587570	7094870			15-20		gb	si cl		
K0041		587540	7094870			15-20		gb	si cl	qm s	
K0042		587520	7094870			15-20	wet	gb	si cl		
K0043		587500	7094870			15-20	wet	gb	si cl	qmp s	
K0044		587470	7094870			15-20	dry	gb	si cl		
K0045		587450	7094870			15-20	pf	gb	si cl		
K0046		587420	7094870			15-20	f	gb	si cl		
K0047		587400	7094870			15-20		gb	si cl		
K0048		587370	7094870			15-20		gb	si cl		
K0049		587350	7094870			15-20		gb	gr cl	qm s, qte	
K0050		587320	7094870			15-20		gb	gr cl	met qv	
K0051		587300	7094870			15-20		gb	gr cl		
K0052		587270	7094870			15-20	f	gb	gr cl		
K0053		587240	7094870			15-20		gb	gr cl	mc s	
K0054		587230	7094870			15-20	f	gb	gr cl		
K0055		587210	7094860			15-20	pf	gb	gr cl		
K0056		587190	7094860			10-15	pf	gb	gr cl	m qte	
K0057		587160	7094860			10-15		gb	si cl		
K0058		587140	7094860			10-15		gb	si cl	qm s	
K0059		587120	7094860			10-15		gb	si cl	qfm por	rocky
K0060		587100	7094860			10-15		gb	si cl	qmc s, meso qv	
K0061		587070	7094860			10-15		gb	si cl	qc s	
K0062		587050	7094860			10-15		gb	si cl	qmp s	
K0063		587030	7094860			10-15	f	yb	si cl		
K0064		587010	7094860			10-15		gb	si cl	qmp s	
K0065		586990	7094860			15-20		yb	or gr cl	qm s	
K0066		586960	7094860			15-20	f	gb	si cl	qv	
K0067		586930	7094860			15-20	f	yb	si cl	qmp s	
K0068		586910	7094860			15-20		yb	si cl	qv	
K0069		586890	7094860			15-20		yb	si cl	qmp s	
		586870	7094860								

K 0037
DUP-K 0037

K 0049
DUP-K 0049

K 0061
DUP-K 0061

SAMPLE No.
TRAVERSE 3

Scheme Code	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
Analysis Unit	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Detection Limit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
c	19	651	26	209	0.1	8	12	0.1	0.75	379	111	-2	5	3	-3	-1	0.5
K0035	20	510	11	238	0.18	11	15	-0.1	1.12	153	235	-2	2	1	-3	-1	0.8
K0036	15	468	-10	213	0.22	9	14	0.11	2.11	129	287	2	3	2	-3	2	1.1
K0037	12	580	13	209	0.12	12	13	0.12	0.39	202	212	-2	2	1	-3	-1	0.6
K0038	5	474	-10	176	2.07	12	34	0.11	0.55	336	140	-2	10	4	-3	-1	0.3
K0039	-5	411	-10	95	1.16	8	15	-0.1	0.17	-100	22	-2	4	2	-3	-1	-0.1
K0040	12	451	-10	292	-0.1	11	22	-0.1	1.16	715	94	-2	3	2	-3	-1	0.7
K0041	34	297	-10	467	-0.1	12	28	0.11	1.63	1600	145	-2	5	3	-3	5	1.9
K0042	30	230	12	263	0.11	17	16	-0.1	1.98	528	301	-2	4	5	-3	-1	1.5
K0043	14	285	-10	280	-0.1	10	28	-0.1	1.19	274	171	3	2	2	-3	-1	0.8
K0044	30	350	-10	367	0.1	9	16	-0.1	0.67	467	292	2	2	2	-3	3	1.2
K0045	14	466	19	245	-0.1	14	20	0.13	1.13	246	285	3	3	3	-3	1	0.6
K0046	12	473	20	253	-0.1	17	30	0.11	0.42	415	137	-2	3	2	-3	2	0.4
K0047	31	341	11	366	0.14	10	20	-0.1	1.43	442	276	3	2	3	4	2	3.6
K0048	29	213	-10	325	0.35	21	29	-0.1	6.4	355	332	-2	4	5	3	6	2.3
K0049	68	334	-10	417	0.45	8	14	-0.1	5.22	625	855	-2	3	5	-3	-1	2.7
K0050	34	256	-10	355	0.24	13	23	-0.1	2.97	502	380	3	4	4	-3	2	1.8
K0051	34	219	-10	359	0.13	10	14	-0.1	2.73	251	286	-2	4	3	-3	3	1.6
K0052	30	141	-10	206	-0.1	8	12	-0.1	1.7	350	329	3	3	3	-3	-1	1.7
K0053	52	427	34	450	0.1	15	34	-0.1	2.08	3380	449	-2	1	3	-3	-1	1
K0054	11	545	19	217	-0.1	16	23	-0.1	2.01	528	301	-2	9	4	-3	7	1.2
K0055	18	306	15	372	-0.1	13	23	-0.1	2.11	338	511	-2	8	6	-3	-1	1.3
K0056	29	367	-10	306	0.25	24	30	-0.1	5.01	586	782	2	5	7	-3	-1	1.8
K0057	37	462	-10	357	0.34	25	34	-0.1	3.84	1210	874	-2	7	11	-3	3	2.1
K0058	110	433	14	485	0.32	22	38	-0.1	8.82	151	522	-2	6	8	-3	5	1.7
K0059	18	270	-10	303	-0.1	8	14	-0.1	1.28	251	269	-2	6	2	-3	6	0.8
K0060	16	86	-10	361	-0.1	5	12	-0.1	2	140	156	4	4	1	-3	8	0.8
K0061	14	308	-10	296	-0.1	8	14	-0.1	0.96	186	507	-2	7	3	-3	-1	0.7
K0062	34	58	-10	533	-0.1	5	8	-0.1	1.06	239	139	-2	2	1	-3	-1	0.8
K0063	46	287	-10	333	-0.1	7	13	-0.1	0.18	1030	533	-2	4	3	-3	5	1.5
K0064	63	133	-10	397	0.15	7	12	-0.1	1.64	620	281	4	4	4	-3	12	2.1
K0065	16	111	-10	365	0.49	8	14	-0.1	0.75	281	263	-2	3	3	-3	3	2.2
K0066	65	232	-10	442	0.13	23	17	0.15	0.47	491	397	-2	11	13	-3	2	2.7
K0067	15	162	-10	323	-0.1	7	10	-0.1	0.13	3790	23	-2	2	1	-3	1	1
K0068	47	89	-10	564	-0.1	6	14	-0.1	0.5	892	38	-2	2	2	-3	6	0.9
K0069	85	63	-10	576	-0.1	5	13	-0.1	1.2	150	129	-2	3	3	-3	-1	1.4
K 0037	12	580	13	209	0.12	12	13	0.12	0.39	202	212	-2	2	1	-3	-1	0.6
DUP-K 0037	-2000	-2000	-2000	-2000						-2000	-2000	-2000	-2000	-2000	-2000	-2000	-2000
K 0049	68	334	-10	417	0.45	8	14	-0.1	5.22	625	855	-2	3	5	-3	-1	2.7
DUP-K 0049	61	332	-10	416	0.39	7	12	-0.1	4.43	877350	728	19	2	5	-3	2	3.5
K 0061	14	308	-10	296	-0.1	8	14	-0.1	0.96	186	507	-2	7	3	-3	-1	0.7
DUP-K 0061	-2000	-2000	-2000	-2000	-0.1	7	11	0.12	0.92	-2000	-2000	-2000	-2000	-2000	-2000	-2000	-2000

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 4											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 6-Jun-00 By: RB, PL											
Sample Interval (m): 25											
K0087		587920	7094370		15	f	b	si cl			
K0088		587890	7094370		25-30	pf	b	si cl			
K0089		587870	7094370		25-30	f	b	si cl			
K0090		587840	7094370		20		b	si cl		qtz frag.	
K0091		587810	7094370		25		b	si cl		qm s lim	
K0092		587780	7094370		25	f	b	si cl		qm s	
K0093		587750	7094360		25		b	si cl		qm s	
K0094		587730	7094360		25	f	b				
K0095		587700	7094360		25	pf	b	si cl		q frag	
K0096		587670	7094360		20		b	si cl		qm s	small gravels
K0097		587640	7094360		20		b	si cl			
K0098		587630	7094360		20	f	b	si cl		qm s, p lim	
K0099		587600	7094360		20	pf	b	gr si cl		qm s	
K0100		587570	7094360		20		b	gr si cl		qm s	
K0101		587540	7094360		10		b	gr si cl		qb s	
K0102		587520	7094360		10		b	gr si cl		qb s, lim parallel to fol, bull q	
K0103		587500	7094360		20	pf	b	gr si cl		qm s	
K0104		587480	7094360		20	f	b	gr si cl		qm s	
K0105		587450	7094350		20	f		mixed org		small q frags	
K0106		587430	7094350		20		b	si cl , rfg		qm s, ox py	
K0107		587400	7094350		20		b	si cl			
K0108		587370	7094350		20		b	gv si cl		qm s, QV	
K0109		587350	7094350		20	wet	b	gv si cl		qmp s, QV	v gravelly, wet
K0110		587330	7094350		20	f	b	gv si cl		lim QV	much ice
K0111		587300	7094350		20	f	b	si cl		qmp s	
K0112		587280	7094350		10		b	si cl rfg		lim QV	
K0113		587250	7094350		15		b	si cl rfg		qm s	
K0114		587230	7094350		20	f	b	si cl rfg		tr QV	
K0115		587200	7094350		15		b	si cl		qm s	
K0116		587180	7094340		15		b	si cl rfg		qm s	
K0117		587150	7094340		15	f	b	si cl rfg		qm s	
K0118		587130	7094340		15	pf	b	si cl rfg		qm s, lim foliae	
K0119		587100	7094340		16	pf	b	si cl rfg		qm s ?MnO2 spots	
K0120		587080	7094340		10	pf	b	si cl rfg		qm s	
K0121		587050	7094340		15	pf	b	si cl rfg		qm s	
K0122		587030	7094340		15	wet		si cl			

K 0097
DUP-K 0097

K 0109
DUP-K 0109

K 0121
DUP-K 0121

SAMPLE No.		Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
TRAVERSE 4	Scheme Code	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	Analysis Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	Detection Limit	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
	K0087	8	636	-10	270	0.14	11	16	-0.1	1.46	666	289	-2	8	4	-3	-1	1.1
	K0088	16	397	-10	344	0.15	10	14	-0.1	2.52	600	254	-2	5	2	-3	-1	1.1
	K0089	18	364	-10	289	0.12	13	15	0.11	1.51	533	208	8	6	3	-3	1	1.3
	K0090	29	394	14	377	0.12	13	19	0.11	3.01	311	193	2	5	2	-3	3	1.3
	K0091	48	205	-10	371	0.14	6	11	0.1	4.21	222	218	4	2	2	-3	3	1.6
	K0092	32	400	-10	317	0.24	14	20	0.13	5.65	260	393	3	5	4	-3	2	1.6
	K0093	21	310	-10	323	0.32	12	19	0.15	4.6	152	484	2	3	2	-3	-1	2.7
	K0094	15	482	13	244	0.11	19	25	0.15	0.69	822	214	-2	6	5	-3	-1	1.5
	K0095	27	373	32	273	0.16	43	56	0.12	2.24	427	151	7	3	3	-3	4	1.3
	K0096	41	160	-10	285	0.11	55	18	0.12	4.25	-100	124	5	1	2	-3	3	0.6
	K0097	41	733	34	333	-0.1	25	38	0.13	0.88	147	156	6	4	4	-3	-1	1.2
	K0098	11	500	26	236	-0.1	18	27	0.1	0.49	681	75	-2	5	2	-3	-1	0.6
	K0099	48	288	-10	309	0.16	17	19	-0.1	4.05	596	160	-2	3	3	-3	-1	1.4
	K0100	45	217	-10	356	0.17	11	17	-0.1	2.27	427	166	-2	2	2	-3	-1	1.6
	K0101	21	274	12	294	-0.1	26	21	0.14	1.8	204	95	3	5	2	-3	2	1
	K0102	20	301	-10	356	0.14	10	14	-0.1	1.29	152	137	-2	3	2	-3	3	1.1
	K0103	15	284	-10	274	-0.1	9	18	0.11	1.87	140	152	3	4	1	-3	-1	1.2
	K0104	15	373	-10	298	0.11	7	13	-0.1	0.47	233	154	3	5	1	-3	-1	1.2
	K0105	12	572	53	260	-0.1	12	23	0.13	0.59	601	193	-2	8	2	-3	2	0.7
	K0106	22	283	13	328	-0.1	11	16	0.11	1.72	391	191	4	6	2	-3	-1	1.5
	K0107	52	304	-10	449	0.22	8	16	-0.1	1.03	761	205	4	3	3	-3	-1	2.2
	K0108	22	244	-10	355	0.1	9	13	-0.1	0.84	-100	142	4	3	3	-3	-1	0.8
	K0109	31	327	10	342	0.13	19	18	-0.1	1.61	458	139	3	4	2	-3	-1	1.7
	K0110	24	367	18	302	0.17	19	21	0.11	2.01	359	229	-2	9	4	-3	2	1.3
	K0111	25	365	-10	349	0.45	11	16	0.1	2.1	138	625	2	8	2	-3	2	1.2
	K0112	17	274	-10	408	0.47	69	14	-0.1	2.55	479	213	7	8	3	-3	4	1.3
	K0113	133	283	-10	367	0.22	14	20	-0.1	1.99	440	115	2	4	6	-3	4	2.2
	K0114	71	475	26	373	-0.1	15	30	0.11	2.06	2310	347	-2	16	5	-3	-1	1.8
	K0115	37	282	20	299	-0.1	11	18	0.11	1.18	658	116	5	4	3	-3	2	2.1
	K0116	29	253	19	330	-0.1	14	18	-0.1	1.77	443	50	4	3	2	-3	-1	1.1
	K0117	62	198	29	252	0.13	9	23	0.21	0.41	2240	102	-2	7	3	-3	-1	1.1
	K0118	38	237	25	301	0.18	12	21	0.11	0.95	264	55	5	4	1	-3	-1	0.5
	K0119	27	327	-10	313	0.24	19	20	0.14	1.67	696	143	6	10	5	-3	3	1.1
	K0120	54	280	12	358	0.21	16	21	-0.1	1.18	842	175	-2	14	6	-3	2	1.7
	K0121	56	288	-10	255	0.24	19	22	0.19	1.12	1090	157	-2	5	4	-3	-1	0.7
	K0122	47	129	-10	361	0.14	8	15	0.14	0.57	626	73	-2	2	2	-3	-1	1.1
	K 0097	41	733	34	333	-0.1	25	38	0.13	0.88	147	156	6	4	4	-3	-1	1.2
	DUP-K 0097	37	715	41	350	-0.1	24	36	0.19	1.02	-9000	128	6	5	4	-3	-1	0.9
	K 0109	31	327	10	342	0.13	19	18	-0.1	1.61	458	139	3	4	2	-3	-1	1.7
	DUP-K 0109	28	350	13	301	0.13	17	17	0.1	1.76	397	149	-2	3	3	-3	-1	0.9
	K 0121	56	288	-10	255	0.24	19	22	0.19	1.12	1090	157	-2	5	4	-3	-1	0.7
	DUP-K 0121	51	309	-10	251	0.17	17	24	-0.1	1.02	1170	151	-2	7	5	-3	-1	1.1

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 5		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 6-Jun-00		By: RB, PL							
		Sample Interval (m): 50									
	K0123	587630	7092150		15		b	si cl		lim qv	
	K0124	587665	7092100		15		o b	si cl		lim qv	
	K0125	587695	7092070		15		o b	si cl			
	K0126	587715	7092045		15		o b	si cl		qm s	cf Sample 1999/10
	K0127	587740	7092010		15		o b	si cl			cf Sample 1999/9
	K0128	587770	7091970		10		o b	si cl		qm s	cf Sample 1999/8
	K0129	587800	7091920		10		o b	si cl		qmc s (ox)	cf Sample 1999/7
	K0130	587825	7091865		10		o b	si cl		mq s	cf Sample 1999/6
	K0131	587845	7091835		10		o b	si cl		qmc s	cf Sample 1999/5
	K0132	587970	7091670	Duplicate for K0136							
	K0133	587880	7091790		10		o b	si cl		mq s	cf Sample 1999/4
	K0134	587910	7091755		10		o b	si cl		mq s	cf Sample 1999/3
	K0135	587940	7091715		10		o b	si cl		mq s	cf Sample 1999/2
	K0136	587970	7091670		10		o b g	si cl		qm s (green sericite)	cf Sample 1999/1
	K0137	588040	7091635		10		b blk	org		qm s	
	K0138	588075	7091615		10	f	b g	si cl			
	K0139	588100	7091605		10	f	b g	si cl			
	K0140	588145	7091585		10		b	si cl		qm s	
	K0141	588200	7091555		10		b	si cl		qm s	
	K0142	588230	7091540		10	f	b	si cl		qc s	
	K0143	588265	7091515		10	f	b	si cl		qc s	
	K0144	588290	7091485		10		b	si cl		cq s	
	K0145	588320	7091445		10		b	si cl		cq s	
	K0146	588335	7091390		10		b	si cl		cq s, blue q eyes	
	K0147	588375	7091350		10		b	si cl		cq s, blue q eyes	
	K0148	588415	7091305		5		b	s cl rfg			poor sample
	K0149	588480	7091285		15		o b	si cl		qc s	
	K0150	588520	7091260		15		o b	si cl		qc s	
	K0151	588550	7091240		5		g blk	si cl		qm s	
	K0152	588565	7091215		15		b	si cl rfg		qm s	
	K0153	588620	7091190		15	pf	gb	si cl		qm s	poor sample
	K0154	588660	7091160		5	f	b	si cl			
	K0155	588720	7091160		5	f	b	si cl		qc s, ox py	
	K0156	588765	7091150		5		b	si cl		qc s, ox py	
	K0157	588800	7091150		5		b	si cl		qc s, ox py	
	K0158	588840	7091140		5		b	si cl		qc s, ox py	
	K0159	588900	7091150		5		b	si cl		qc s, ox py	
	K0160	588950	7091140		5		b	si cl		qc s, ox py	
	K0161	589000	7091130		5		b	si cl		qc s, ox py	
	K0162	589050	7091120		5		b	si cl		qc s, ox py	
	K0163	589100	7091105		5		b	si cl rfg		qc s, ox py	
	K0164	589150	7091085		5		b	si cl rfg		qc s, ox py	abund rfg
	K0123										
DUP-0123											
	K0132										
DUP-0132											
	K0135										
DUP-0135											

SAMPLE No.																		
	Scheme Code	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
Analysis Unit		MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
Detection Limit		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
TRAVERSE 5		5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
	K0123					1.21	13	7	-0.1	2.41								
	K0124					-0.1	46	9	-0.1	2.04								
	K0125					-0.1	3	6	-0.1	0.83								
	K0126					-0.1	19	8	-0.1	2.77								
	K0127	68	113	-10	357	-0.1	4	6	-0.1	3.16	118790	8	-2	-1	2	-3	2	0.2
	K0128	94	126	-10	353	-0.1	35	4	-0.1	7.01	97260	4	-2	1	1	-3	1	0.1
	K0129	81	162	15	253	-0.1	2	5	-0.1	5.34	166490	7	3	-1	1	-3	-1	0.2
	K0130	34	93	13	354	-0.1	3	9	-0.1	19	82820	5	-2	1	1	3	2	0.4
	K0131	47	75	-10	315	-0.1	15	6	-0.1	2.24	136690	11	-2	1	2	-3	3	0.6
	K0132																	
	K0133	29	26	-10	364	0.15	2	6	-0.1	13.8	112790	3	-2	-1	1	-3	2	0.2
	K0134	58	46	13	456	-0.1	10	6	-0.1	14.3	52890	2	-2	-1	-1	-3	-1	0.1
	K0135	38	183	11	282	-0.1	8	9	-0.1	3.14	138190	3	-2	4	-1	-3	3	0.1
	K0136	100	70	-10	631	0.2	7	12	-0.1	6.36	160190	38	7	-1	2	-3	1	0.5
	K0137					-0.1	7	8	-0.1	-0.1								
	K0138					-0.1	4	5	-0.1	0.25								
	K0139					-0.1	13	14	-0.1	0.25								
	K0140					0.27	140	33	0.15	2.46								
	K0141					-0.1	10	6	-0.1	1.02								
	K0142					0.2	28	13	0.1	3.33								
	K0143					0.27	42	13	-0.1	2.18								
	K0144					-0.1	10	12	-0.1	3.5								
	K0145					-0.1	11	13	-0.1	1.99								
	K0146					-0.1	8	7	-0.1	3.1								
	K0147					-0.1	6	12	0.13	1.64								
	K0148					-0.1	4	9	-0.1	2.95								
	K0149					-0.1	3	4	-0.1	0.63								
	K0150					-0.1	10	9	-0.1	4.79								
	K0151					-0.1	5	7	-0.1	0.7								
	K0152					0.12	10	13	-0.1	3.06								
	K0153					-0.1	3	4	-0.1	-0.1								
	K0154					-0.1	21	22	0.12	1.82								
	K0155					0.1	8	13	0.13	1.31								
	K0156					0.16	43	17	-0.1	2.62								
	K0157					-0.1	3	4	-0.1	0.4								
	K0158					-0.1	2	5	-0.1	2.15								
	K0159					0.21	14	16	-0.1	3.94								
	K0160					-0.1	4	7	-0.1	7.37								
	K0161					0.43	20	33	-0.1	26.2								
	K0162					-0.1	13	7	-0.1	1.78								
	K0163					0.21	29	28	-0.1	5.11								
	K0164					0.19	8	8	-0.1	6.18								
	K0123					1.21	13	7	-0.1	2.41								
DUP-0123						1.01	11	9	-0.1	2.17								
	K0132	81	73	-10	237						583190	45	15	-1	2	-3	-1	0.7
DUP-0132		81	73	-10	237						583190	45	15	-1	2	-3	-1	0.7
	K0135					-0.1	8	9	-0.1	3.14								
DUP-0135						-0.1	5	9	-0.1	3.13								

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

TRAVERSE 5

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

Sampled: 6-Jun-00

By: RB, PL

Sample Interval (m): 50

DUP-0147

K0147

DUP-0159

K0159

K132 (dup of K136)

K0136

SAMPLE No.	GPS W'PT	UTM COORDS (M)			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 5(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 12-Jul-00			By: PL , SJ						
		Sample Interval (m): 50									
K-0123		587630	7092150		R	25	org	yb	si cl		
K-0124		587665	7092100		R	20	org	yb	si cl		
K-0125		587695	7092070		R	25	org	rb yb	si cl		some grey too
K-0126		587715	7092045		R	15	sk	rb	si cl gr		lots of rocks
K-0127		587740	7092010		R	20		yb	si cl		
K-0128		587770	7091970		R	20	W org	yb	si cl		could be wet due to old hole
K-0129		587800	7091920		R	20		rb	si cl		
K-0130		587825	7091865		R	25	org	rb	gv si cl		poorly developed
K-0131		587845	7091835		R	20	org	rb	si cl		
K-0132				Check sample for K 136							
K-0133		587880	7091790		R	20		yb	si cl		
K-0134		587910	7091755		R	25	org	yb	si cl		
K-0135		587940	7091715		R	too	many	rocks	no	sample	
K-0136		587970	7091670		R	25		g yb	si cl		
K-0137		588040	7091635		R	25		g yb	si cl		
K-0138		588075	7091615		R	25		g yb	si cl		
K-0139		588100	7091605		R	30		g yb	si cl		
K-0140		588145	7091585		R	20		yb	cl si		
K-0141		588200	7091555		R	25		y	si cl		
K-0142		588230	7091540		R	30	org	yb	cl si gv		poorly developed
K-0143		588265	7091515		R	25		b	si cl		
K-0144		588290	7091485		R	20	org	yb g	si s		lots of rocks
K-0145		588320	7091445		R	25	org	yb	si cl		
K-0146		588335	7091390		R	30	org	ob	si cl		
K-0147		588375	7091350		R	30	org	ob	si cl		
K-0148		588415	7091305		R	25	org	ob	si cl		
K-0149		588480	7091285		R	15		ob g	si cl		
K-0150		588520	7091260		R	15	org	rb ob	si cl		"B" very thin
K-0151		588550	7091240		R	no	sample		"B" horizon 1 cm thick		
K-0152		588565	7091215		R	10	sk	yb	si cl		poor develop
K-0153		588620	7091190		R	25	org	ob	si cl		poor sample thin B
K-0154		588660	7091160		R	30	sk org	rb	si cl		"B" HOR
K-0155		588720	7091160		R	30	sk	yb g	si cl		"B" maybe someC
K-0156		588765	7091150		R	20	sk	yb	si cl		poor develop
K-0157		588800	7091150		R	30	org	yb	si cl		
K-0158		588840	7091140		S+	20	sk	yb	si cl		
K-0159		588900	7091150		S+	30		yb	si cl		
K-0160		588950	7091140		S++	20	org	yb	si cl		
K-0161		589000	7091130		S++	30	org	yb	si cl		
K-0162		589050	7091120		S++	30		yb	si cl gv		poor sample
K-0163		589100	7091105		S++	30	org	rb	si cl		
K-0164		589150	7091085		S++	25	org	yb	si cl		

SAMPLE No.	Scheme Code Analysis Unit	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
		3993 ppb	2118 ppm	2119 %	2120 ppm	557 ppm	2121 ppm	2122 ppm	2123 ppm	2124 %	2125 ppm	2126 ppm	2127 ppm	2128 ppm	2150 %	2130 ppm	2131 ppm	2132 %
K-0123		5																
K-0124		4																
K-0125		6																
K-0126		<1																
K-0127		<1																
K-0128		2																
K-0129		5																
K-0130		<1																
K-0131		<1																
K-0132																		
K-0133		3																
K-0134		3																
K-0135																		
K-0136		<1																
K-0137		5																
K-0138		5																
K-0139		5																
K-0140		8																
K-0141		2																
K-0142		5																
K-0143		3																
K-0144		4	<0.2	1.86	12	<10	340	<0.5	<2	0.11	<0.5	7	25	14	2.39	<10	<1	0.05
K-0145		3	<0.2	1.23	10	<10	260	<0.5	<2	0.09	<0.5	5	17	11	1.63	<10	<1	0.05
K-0146		<1	<0.2	2.22	14	<10	310	<0.5	<2	0.09	<0.5	8	33	13	3.34	<10	<1	0.05
K-0147		6	<0.2	2.56	10	<10	330	<0.5	<2	0.11	<0.5	8	36	21	2.96	<10	<1	0.06
K-0148		<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-0149		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-0150		<1	<0.2	2.04	12	<10	330	<0.5	<2	0.08	<0.5	7	30	11	3.17	<10	<1	0.04
K-0151																		
K-0152		8	<0.2	0.82	24	<10	130	<0.5	<2	0.04	<0.5	4	9	7	1.1	<10	<1	0.06
K-0153		3	<0.2	1.25	14	<10	570	<0.5	<2	0.12	<0.5	5	15	9	1.79	<10	<1	0.06
K-0154		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-0155		<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-0156		<1	<0.2	1.04	10	<10	150	<0.5	<2	0.08	<0.5	6	12	15	1.46	<10	<1	0.09
K-0157		11	<0.2	1.45	28	<10	240	<0.5	<2	0.1	<0.5	5	19	16	1.75	<10	<1	0.07
K-0158		4	<0.2	1.33	8	<10	180	<0.5	<2	0.1	<0.5	5	17	12	1.57	<10	<1	0.08
K-0159		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-0160		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-0161		<1	<0.2	1.14	6	<10	280	<0.5	<2	0.07	<0.5	3	12	5	1.5	<10	<1	0.07
K-0162		4	<0.2	1.45	10	<10	400	<0.5	<2	0.09	<0.5	5	20	8	2.19	<10	<1	0.06
K-0163		2	<0.2	1.72	10	<10	350	<0.5	<2	0.08	<0.5	6	23	12	2.15	<10	<1	0.07
K-0164		3	<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 %	Tl 2145 ppm	U 2146 ppm	V 2147 ppm	W 2148 ppm	Zn 2149 ppm
K-0123																		
K-0124																		
K-0125																		
K-0126																		
K-0127																		
K-0128																		
K-0129																		
K-0130																		
K-0131																		
K-0132																		
K-0133																		
K-0134																		
K-0135																		
K-0136																		
K-0137																		
K-0138																		
K-0139																		
K-0140																		
K-0141																		
K-0142																		
K-0143																		
K-0144	10	0.43	170	2	<0.01	19	220	18	<0.01	<2	3	11	0.04	<10	<10	43	<10	48
K-0145	20	0.31	165	<1	<0.01	13	180	28	<0.01	2	1	10	0.04	<10	<10	30	<10	38
K-0146	<10	0.46	360	3	<0.01	18	290	26	0.01	2	3	11	0.06	<10	<10	67	<10	62
K-0147	10	0.46	235	3	<0.01	18	350	16	0.01	<2	5	13	0.06	<10	<10	55	<10	50
K-0148	<10	0.23	280	2	<0.01	10	310	20	0.01	<2	1	18	0.07	<10	<10	73	<10	36
K-0149	10	0.41	175	1	<0.01	17	240	14	0.01	2	4	12	0.05	<10	<10	49	<10	40
K-0150	<10	0.41	200	2	<0.01	16	300	12	0.01	<2	3	9	0.05	<10	<10	54	<10	44
K-0151																		
K-0152	30	0.18	120	<1	<0.01	6	110	18	<0.01	<2	1	5	0.01	<10	<10	14	<10	32
K-0153	10	0.27	185	1	<0.01	9	270	16	0.01	<2	1	12	0.03	<10	<10	32	<10	32
K-0154	10	0.28	135	1	<0.01	10	210	18	<0.01	<2	2	11	0.05	<10	<10	51	<10	30
K-0155	10	0.1	45	<1	<0.01	3	200	14	<0.01	<2	<1	5	<0.01	<10	<10	17	<10	12
K-0156	10	0.26	220	1	<0.01	8	290	42	<0.01	<2	1	9	0.01	<10	<10	17	<10	52
K-0157	10	0.31	110	1	<0.01	14	210	26	0.01	<2	2	13	0.03	<10	<10	29	<10	46
K-0158	10	0.31	120	1	<0.01	11	230	32	<0.01	<2	2	10	0.03	<10	<10	24	<10	44
K-0159	10	0.34	135	1	<0.01	12	290	20	<0.01	<2	1	11	0.03	<10	<10	32	<10	46
K-0160	20	0.35	130	1	<0.01	12	210	20	<0.01	<2	2	9	0.03	<10	<10	29	<10	38
K-0161	10	0.2	75	1	<0.01	6	190	20	<0.01	<2	1	9	0.01	<10	<10	28	<10	20
K-0162	10	0.33	135	1	<0.01	11	200	22	<0.01	<2	1	11	0.02	<10	<10	40	<10	38
K-0163	10	0.36	160	1	<0.01	14	270	26	0.01	<2	2	9	0.03	<10	<10	41	<10	44
K-0164	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 COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRAVERSE 5A GRAND FORKS 1:50,000 115-0/14

Sampled: 06-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-A	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.18	13	19	-0.1	9.88
-0.1	12	25	-0.1	3.34
0.21	13	21	-0.1	8.14
-0.1	14	12	-0.1	0.66
-0.1	8	12	-0.1	2.48
-0.1	22	20	-0.1	9.23
-0.1	13	15	-0.1	18.3
-0.1	18	18	-0.1	2.23
-0.1	7	11	-0.1	1.79
-0.1	92	48	-0.1	1.6
-0.1	12	25	-0.1	3.34
0.1	12	24	-0.1	3.31

K0240 1 587596 7092187.3 1052
K0241 2 587564.5 7092221.7
K0242 3 587529.2 7092261.4
K0243 4 587497.1 7092297.5
K0244 5 587464.6 7092339.7
K0245 6 587439.3 7092382
K0246 7 587420.3 7092430.5
K0247 8 587401.1 7092477.9
K0248 9 587379.8 7092524.5
K0249 10 587358.2 7092573.5

R 15 ORG yb si / cl
R 20 ORG yb si / cl / gr
R 15 ORG db / yb si / cl
R 15 ORG db / yb si / cl
R 15 b si / cl
R 15 yb si / cl
R 15 yb si / cl / gr
R 20 yb si / cl / gr
R 15 W yb si / cl
R 15 b / yb si / cl / gr

qte p
qte p
q f p
0x qte m
ox qte m
ox qte m
qte m p ox
qte m p ox

K0241

DUP-K-0241

SAMPLE No.	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au 3993 ppb		
		EAST	NORTH	ELEV											
TRAVERSE 5A (-80)		GRAND FORKS 1:50,000 115-0/14													
		Sampled: 06-Jul-00			By: PL, SJ									Analysis Unit	
		Sample Interval (m): 50													
K0240	1	587596	7092187.3	1052	R		ORG	yb	si / cl				4		
K0241	2	587564.5	7092221.7		R		ORG	yb	si / cl / gr	qte p			4		
K0242	3	587529.2	7092261.4		R		ORG	db / yb	si / cl	qte p			3		
K0243	4	587497.1	7092297.5	1048	R		ORG	db / yb	si / cl	q f p			2		
K0244	5	587464.6	7092339.7		R			b	si / cl	0x qte m			3		
K0245	6	587439.3	7092382		R			yb	si / cl	ox qte m			4		
K0246	7	587420.3	7092430.5		R			yb	si / cl / gr	ox qte m			3		
K0247	8	587401.1	7092477.9	1052	R			yb	si / cl / gr	qte m p ox			4		
K0248	9	587379.8	7092524.5		R		W	yb	si / cl	qte m p ox			<1		
K0249	10	587358.2	7092573.5	1054	R			b / yb	si / cl / gr				1		

Scheme Code
Analysis Unit

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

TRAVERSE 6

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

Sampled: 8-Jun-00

By:

RGA, PL

Sample Interval (m): 25

K0165	583120	7093780		20		b, tr red	si cl				
K0166	583100	7093810		20		b, tr red	si cl				
K0167	583090	7093830		20		b, tr red	si cl				
K0168	583080	7093840		20		b, tr red	si cl				
K0169	583070	7093860		20		yb	si gr cl, tr rfg				
K0170	583060	7093880		20		rb	si cl				
K0171	583050	7093900		20		b	si cl		q por, meta qv		
K0172	583040	7093920		20		y	si cl		qm s, qv		
K0173	583030	7093940		20		y	si cl		qm s, qv		
K0174	583020	7093960		15		y	si cl		qf por, qm s		
K0175	583010	7093980		15		y	si cl		qmp s		
K0176	583000	7094000		15		yg	s cl		qp por	ridge flattens	
K0177	582980	7094020		15		yb	s cl				
K0178	582970	7094040		15		yb	s cl		qm por		
K0179	582960	7094060		15		rb	si sl		qf por		
K0180	582950	7094080		15	wet	b	si cl		qf por		
K0181	582940	7094110		10	wet	yb	gr cl rfg		qmp s	crest of ridge	
K0182	582920	7094130		20	wet	yb, g	s si		qm s		
K0183	582910	7094150		20	damp	b	si cl		qm s		
K0184	582900	7094170		20		yb	gr cl		qm s		
K0185	582890	7094190		20	wet	yb	gr cl		qmp s		
K0186	582880	7094210		20	wet	yb, tr red	gr cl		qmp s		
K0187	582870	7094230		30	wet	gb	si cl		qp s		
K0188	582860	7094250		20	wet	gb	si cl		qmp s		
K0189	582850	7094270		20	wet	gb	si cl		qmp s lim		

K0171

DUP-0171

K0183

DUP-0183

K0188

K215 (dup of K188)

SAMPLE No.

TRAVERSE 6	Scheme Code	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
	Analysis Unit	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	Detection Limit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
		5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
K0165		70	40	-10	257	0.13	25	48	-0.1	6.3	67.9	6	12	-1	2	-3	1	2.5
K0166		36	31	-10	151	-0.1	20	81	-0.1	8.07	139	8	4	15	3	-3	9	1.5
K0167		41	204	16	281	-0.1	32	36	-0.1	5.86	186	12	4	4	2	-3	4	0.9
K0168		47	62	16	246	-0.1	55	36	-0.1	8.36	109	4	-2	4	2	-3	6	0.6
K0169		73	60	-10	353	-0.1	4	19	-0.1	6.92	54.6	6	3	1	2	-3	6	0.3
K0170		70	81	12	370	-0.1	72	15	-0.1	8.56	75.2	6	10	2	2	-3	6	0.4
K0171		37	173	-10	418	-0.1	4	21	-0.1	7.63	92	7	6	1	1	-3	4	0.5
K0172		24	83	-10	259	-0.1	5	39	-0.1	6.28	93.3	12	8	2	2	-3	6	0.7
K0173		42	57	-10	387	-0.1	7	17	-0.1	6.61	69.7	8	6	-1	1	-3	5	0.4
K0174		24	70	-10	306	-0.1	5	19	-0.1	8.37	94.6	25	5	4	1	-3	3	1
K0175		30	241	22	360	-0.1	6	10	-0.1	10.3	82.1	8	4	2	1	-3	3	0.6
K0176		35	33	-10	1050	-0.1	3	11	-0.1	6.29	43.2	13	4	-1	2	-3	4	0.5
K0177		36	25	-10	370	0.1	2	6	-0.1	5.74	27.6	4	7	-1	-1	-3	2	0.1
K0178		26	41	-10	489	-0.1	5	9	-0.1	4.56	45.1	3	5	-1	-1	-3	2	0.2
K0179		54	25	-10	811	0.11	5	13	-0.1	5.96	75.3	3	4	-1	1	-3	5	0.2
K0180		30	42	-10	356	-0.1	5	10	-0.1	3.97	47.1	3	7	-1	1	-3	4	0.2
K0181		16	23	-10	381	-0.1	7	12	-0.1	1.87	48.6	4	4	-1	-1	-3	4	0.3
K0182		31	79	-10	494	-0.1	8	10	-0.1	4.09	55.6	9	-2	-1	1	-3	6	0.3
K0183		115	79	-10	502	0.17	17	20	-0.1	2.71	49.3	10	-2	-1	2	-3	3	0.2
K0184		105	189	17	635	-0.1	12	21	0.14	2.24	164	37	13	2	3	-3	5	1.6
K0185		69	92	-10	738	-0.1	9	25	0.2	2.94	138	55	10	2	3	-3	4	2.5
K0186		81	76	-10	641	-0.1	46	155	-0.1	3.15	49.1	31	22	-1	4	-3	4	0.8
K0187		29	217	31	465	-0.1	13	17	0.2	2.69	179	28	3	5	4	-3	4	2.1
K0188		60	217	12	442	-0.1	26	33	0.1	5.09	90.9	46	10	3	4	-3	3	1
K0189		74	90	14	386	0.11	9	21	-0.1	4.04	355	41	11	3	4	-3	3	1.9
K0171		37	173	-10	418	-0.1	4	21	-0.1	7.63	92	7	6	1	1	-3	4	0.5
DUP-0171		35	187	13	411	-0.1	3	19	-0.1	7.91	89	7	4	2	1	-3	2	0.6
K0183		115	79	-10	502	0.17	17	20	-0.1	2.71	49.3	10	-2	-1	2	-3	3	0.2
DUP-0183		129	72	-10	567	-1000	-1000	-1000	-1000	-1000	59.3	11	3	-1	2	-3	2	0.4
K0188		60	217	12	442	-0.1	26	33	0.1	5.09	90.9	46	10	3	4	-3	3	1
K215 (dup of K188)		67	158	16	463	0.11	29	31	-0.1	3.95	68	40	11	2	3	-3	1	0.6

SAMPLE No.	GPS W/PT	UTM COORDS (M)			DEPTH (CM)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV						
TRAVERSE 7		GRAND FORKS 1:50,000 115-0/14								
		Sampled: 8-Jun-00			By: RGA, PL					
		Sample Interval (m): 25								
K0190		588410	7092370		25	damp	b	si cl, some org	qmp s	
K0191		588380	7092380		25	damp	b	si cl, some org	q s	
K0192		588360	7092400		25	damp	b	cl si	qv	
K0193		588340	7092410		30	sf	b	cl si	qmp s	
K0194		588320	7092420		20		b	gr si cl	qfmp s	
K0195		588300	7092430		20		b	gr si cl	qmp s	
K0196		588280	7092450		20		rb	gr cl		
K0197		588260	7092460		20	wet	b	gr cl	meta qv	
K0198		588240	7092480		20	wet	b	si cl	qm s	
K0199		588220	7092490		20	wet	b	si cl	qm s	
K0200		588200	7092500		20	wet	b	si cl	qmp s	
K0201		588170	7092520		25	pf	org gb	cl	qmcp s	
K0202		588150	7092530		20	wet	org,gb	cl	qmp s	
K0203		588130	7092550		40	f				poor sample
K0204		588110	7092560		40	f				poor sample
K0205		588090	7092580		30	f	gb	cl		
K0206		588070	7092590		25	pf	b	cl	qm s, sl goss	
K0207		588050	7092610		25	pf	b	cl, some org	tr qv	
K0208		588030	7092620		25	f	b	si cl		
K0209		588010	7092630		25	f	b	si cl		
K0210		587990	7092640		25	pf	b	gr si cl	?meso qv	
K0211		587970	7092660		10		rb	si cl	qmp s	
K0212		587950	7092670		15		yb	si cl	qmcp s	
K0213		587930	7092680		15		yb	gr cl,rfg	qm s,qv	
K0214		587910	7092700		10		b	si cl,rfg	qv, hem m s	
K0215		582860	7094250	Duplicate for K0188						

K0195

DUP-0195

K0207

DUP-0207

SAMPLE		Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag	Fe	As	Se	Mo	Sb	Hg	Te	Bi
TRAVERSE 7	No.	MMI-A	MMI-A	MMI-A	MMI-A	MMI-A	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F	MMI-F
	Scheme Code	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	Analysis Unit	5	5	10	20	0.1	1	3	0.1	0.1	100	1	2	1	1	3	1	0.1
	Detection Limit																	
	K0190	81	108	35	404	0.24	11	13	-0.1	10.7	434	1700	5	3	3	-3	4	2.7
	K0191	49	288	48	286	0.2	14	19	0.13	4.13	450	1380	2	3	3	-3	5	1.2
	K0192	35	286	25	176	0.12	8	8	-0.1	1.18	359	738	4	5	3	-3	6	0.8
	K0193	37	290	40	163	0.13	8	8	-0.1	1.45	859	1040	5	4	4	-3	5	0.9
	K0194	77	83	30	239	0.33	17	14	-0.1	10.1	186	1270	10	3	4	-3	4	1.3
	K0195	87	47	40	499	0.38	7	15	-0.1	13.8	596	1120	8	2	3	-3	-1	2.2
	K0196	106	59	33	375	0.46	11	17	-0.1	11.1	1020	1620	9	-1	3	-3	2	6.6
	K0197	40	157	53	269	0.34	10	16	-0.1	5.75	120	1270	5	-1	2	-3	9	1.7
	K0198	100	153	38	244	0.37	18	15	-0.1	8.43	318	1720	10	-1	6	-3	2	1.7
	K0199	80	187	48	345	0.39	15	16	-0.1	8.71	372	789	6	-1	3	-3	-1	1.7
	K0200	103	152	45	323	0.49	14	18	-0.1	10.4	894	1670	6	2	5	-3	4	2.5
	K0201	43	628	60	192	0.37	24	26	0.14	2.88	212	1570	9	4	3	-3	2	0.8
	K0202	96	327	55	383	0.28	17	19	-0.1	9.6	405	2150	3	3	6	-3	-1	1.7
	K0203	55	536	75	208	0.26	26	32	0.22	1.78	763	2230	6	6	6	-3	-1	1
	K0204	86	387	58	125	0.2	19	31	0.14	2.88	1290	2020	7	2	9	-3	-1	0.6
	K0205	47	402	44	266	0.23	27	30	0.12	2.24	433	1320	4	2	6	-3	3	0.5
	K0206	63	379	57	200	0.16	16	14	-0.1	4.99	750	1910	6	5	4	-3	5	1.6
	K0207	76	453	42	230	0.21	14	15	-0.1	2.81	843	882	5	5	6	-3	2	1.5
	K0208	101	437	46	225	0.18	15	19	0.11	2.22	1450	1800	10	2	5	-3	-1	1.5
	K0209	35	408	29	163	-0.1	18	14	-0.1	0.87	494	381	4	8	4	-3	-1	0.1
	K0210	46	183	46	299	0.3	7	12	-0.1	2.73	453	1130	3	3	2	-3	1	0.9
	K0211	38	91	15	210	0.28	27	10	-0.1	3.79	167	197	13	-1	2	-3	-1	-0.1
	K0212	42	277	33	261	0.26	44	11	-0.1	5.6	181	413	9	2	3	-3	3	0.4
	K0213	45	168	20	286	0.23	6	12	-0.1	8.01	354	354	3	3	3	-3	2	0.3
	K0214	65	150	28	290	0.22	5	8	-0.1	1.93	625	864	-2	2	2	-3	-1	0.6
	K0215																	
	K0195	87	47	40	499	0.38	7	15	-0.1	13.8	596	1120	8	2	3	-3	-1	2.2
DUP-0195		79	51	48	452	0.38	6	16	-0.1	13.5	514	1130	5	1	3	-3	2	1.7
	K0207	76	453	42	230	0.21	14	15	-0.1	2.81	843	882	5	5	6	-3	2	1.5
DUP-0207		66	475	49	215	-1000	-1000	-1000	-1000	-1000	804	827	5	5	5	-3	1	1.8

SAMPLE No.	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code Analysis Unit Detection Limit	Au	Co	Ni	Pd	Ag
		EAST	NORTH	ELEV									MMI-B ppb	MMI-B ppb	MMI-B ppb	MMI-B ppb	MMI-B ppb
TRAVERSE 8																	
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++	15	W	gb	si / cl	q m s	thick moss		0.32	29	26	-0.1	4.02
K0217	112	588582	7092109.2		S++	15	W	gb	si / s / cl / gr	qv qte m fol			0.6	30	28	0.13	5.79
K0218	113	588617	7092079.1		S++	22	W	gb	si / s / cl	qv qte m fol			0.82	30	29	-0.1	18.9
K0219	114	588653	7092044.3		S++	15		yb	si / cl	qte m p			0.82	14	18	-0.1	6.49
K0220	115	588685	7092009.9	854	S++	20	org	gb	si / cl	qte m			0.26	10	22	-0.1	8.76
K0221	116	588729	7091977		R	15	sk	yb	si / cl / gr	qte m	poorly developed		0.52	50	24	0.11	4.65
K0222	117	588756	7091942.5		R	20	org	b	gr / si / cl				0.39	17	26	-0.1	3.56
K0223	118	588784	7091908.6		S++	15	org	yb	si / cl / gr	qte m p			0.82	25	23	-0.1	33.9
K0224	119	588813	7091877.7		S++	15		gb	si / cl / gr	qte m p	poorly developed		2.88	92	51	0.2	19
K0225	120	588852	7091848.9		S++	15	org	gb	gr / si / cl	qte m p	poorly developed		1.81	23	22	0.1	15.9
K0226	121	588883	7091819.3		S++	15	org	gb	gr / si / cl	qte m p c			2.21	108	87	-0.1	32.5
K0227	122	588916	7091780.2		V	30	PF / org	gb	si / cl	qte m p	thick moss "A"		3.18	14	54	0.15	6.29
K0228	123	588953	7091752	795	S++	20	W / org	b	si / cl	qte m p	poorly developed		0.8	69	54	0.12	4.86
K0229	124	588986	7091717		S++	25	F / org	b	si / cl		"A"		-0.1	10	17	-0.1	3.73
K0230	125	589025	7091692.4		S++	25	W	yb	gr / si / cl	qte m p	qte eyes		0.23	24	25	-0.1	4.2
K0231	126	589062	7091664.2		S++	30	F (ice) org	db	si / cl				0.27	15	24	-0.1	1.23
K0232	127	589091	7091630.9	851	S++	20	org / W	b	si / cl / gr				0.71	18	24	-0.1	5.48
K0233	128	589121	7091602.4		S++	25	W	yb	gr / gv / si / cl	qte m p c	very poor dev		0.16	19	24	-0.1	3.26
K0234	129	589158	7091567		S++	NO	SAMPLE			qte m p c	boulder field n/s						
K0235	130	589189	7091532.6		S++	20	org	b	si / cl	qte m p c	definite "A"		0.21	8	10	-0.1	7.17
K0236	131	589218	7091495.2		S++	20	org	b	si / cl	qte m p c	HUMUS large samp		-0.1	14	10	-0.1	23
K0237	132	589254	7091468.1		S++	40	F / org	gb	si / cl	qte m p c	50% ice		1.84	151	141	0.15	3.51
K0238	133	589284	7091437.8		S++	40	PF / org	gb	si / cl / gr	qte m c p			1.34	17	25	-0.1	2.71
K0239	134	589301	7091401		S++	40	W	gb	cl / gv / si	qte m c p			0.85	18	24	-0.1	6.97
DUP-K-0216													0.32	29	26	-0.1	4.02
													0.22	28	23	-0.1	3.52
DUP-K-0228													0.8	69	54	0.12	4.86
													0.87	62	51	0.12	4.51

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 / si	qte m c p	

Scheme Code
Analysis Unit

Au
3993
ppb

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19

SAMPLE No.	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 9											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 07-Jul-00 By: PL, SJ											
Sample Interval (m): 50											
K0250	58	590222.7	7091444.5	946	S	15	sk	rb	si / cl / gv	qte b p	BIOT py qte samp
K0251	57	590204.3	7091462.5		R	15	org	yb g	si / cl	qte ser p	
K0252	23	590148.3	7091497.3		R	10		g b yb	si / cl	qte m ox	
K0253	24	590106.8	7091530.2	951	R	10		b	si / cl	qte m p lim	
K0254	25	590072.3	7091561.5		S	20	W	b g yb	si / cl	qte ser	
K0255	26	590032.4	7091593.3		S	20	W	yb	si / cl	qte m	
K0256	27	589994.7	7091622.7		S+	20	W	yb	si / cl	qte m ox	
K0257	28	589959.8	7091656.4	928	S+	20		yb	si / cl	qte m	
K0258	29	589920.2	7091690.5		S+	15	org	b	si / cl / gr	qte m p	
K0259	30	589883.9	7091717.6		S+	15	org	b	si / cl	qte m p c (fg??)	
K0260	31	589845.4	7091747		S+	20		rb	si / cl	qte m p lim	
K0261	32	589808.7	7091778.8	891	S+	15		b	si / cl	qte m p	
K0262	33	589769.4	7091809.4		S++	15	org	b	si / cl	qte ser p	HUMUS & "C"
K0263	34	589734.8	7091834.1		S++	30		rb	<u>si / cl</u>	qm s p ox	
K0264	35	589696	7091857.5		S++	20		rb	si / cl	qm s	
K0265	36	589658.1	7091883.3	825	S++	15	org	yb	si / cl	qte p	
K0266	37	589624.7	7091911.7		S++	10		yb	si / cl / gv	qte ser p	
K0267	38	589587.8	7091943.5		S++	25	W	g yb	si / cl	qte ser p	
K0268	39	589554.3	7091973.7		S++	45	F (ice)org	b	cl		poor sample "A" thick moss "C"
K0269	40	589521.9	7092012.2	759	S++	30		yb	gv / si / cl	qte ser p lim	
K0270	41	589480.6	7092029.6		S++	20		yb g	si / cl	qte ser bxap	
K0271	42	589446.1	7092059.1		S++	15	sk	rb	gr / si / cl	qte ser p	probably "C"
K0272	43	589419.6	7092091.8		S++	25	org	b	si / cl	qte m	
K0273	44	589383.2	7092123.1	702	S++	30	W org	b	si / cl	qte ser p lim	
K0274	45	589348.3	7092149.6		V	35	F org	b	si		"A" 15m from creek
K0275	46	589321.5	7092184.7		V	25	F org	b gb	cl		A & B 10 m from creek
K0276	47	589282.6	7092211.7		S++	30	W	yb	si / cl		
K0277	48	589241.6	7092237.4	704	S++	20		yb	si / cl	qte m s	"A"
K0278 none					S++	20	W org	b	si / cl	qte m p	no WPT
K0279	49	589169.8	7092283.8		S++	20	W	yb	gr / si / cl	qte m	
K0280	50	589134.4	7092324.1		S++	25	sk	yb	gr / si / cl	qte ser p	poorly developed many rocks under moss
K0281	51	589099.2	7092351.8	744	R	25		b yb	si / cl	qv	
K0282	52	589059.4	7092391.9		R	15		b	si / cl	qte ser	
K0283	53	589027.5	7092420.3		R	20		yb	si / cl / gr	qte m	
K0284	54	588996.2	7092458.9		R	25		yb	si / cl	qte m	
K0285	55	588957.8	7092496.1	731	S+	25	W org	b	si / cl	qte ser p	
K0286	56	588927.6	7092521.5	709	S++	20	W	rb	si / cl		

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	3	9	-0.1	4.81
-0.1	7	14	-0.1	5.49
-0.1	8	13	-0.1	3.28
1.34	88	23	-0.1	7.53
-0.1	6	11	-0.1	0.53
0.43	12	16	-0.1	1.27
0.41	18	25	-0.1	2.18
0.4	17	21	-0.1	2.66
0.5	101	45	-0.1	2.46
0.28	10	20	-0.1	0.92
0.61	18	31	-0.1	2.96
0.6	22	20	-0.1	3.63
-0.1	16	31	-0.1	2.74
0.1	5	10	-0.1	0.65
-0.1	27	22	-0.1	4.29
-0.1	51	24	-0.1	3.48
0.43	9	12	-0.1	7.67
0.4	15	25	-0.1	17.4
0.22	13	24	-0.1	1.35
0.38	12	29	-0.1	4.36
0.12	12	31	-0.1	8.69
0.21	8	19	-0.1	4.22
0.22	17	39	-0.1	5.36
0.23	17	40	0.11	2.47
0.14	30	39	0.15	0.59
0.26	91	84	-0.1	2.55
0.31	32	37	-0.1	9.47
0.35	37	51	-0.1	7.46
0.42	20	41	0.1	2.99
0.22	16	29	-0.1	4.14
0.2	15	23	-0.1	2.15
0.11	9	23	-0.1	4.45
0.27	26	62	-0.1	4.49
0.1	6	12	-0.1	2.9
0.18	23	32	-0.1	2.61
0.22	25	38	-0.1	2.32
0.16	19	24	-0.1	3.12
-0.1	15	15	-0.1	8.31
-0.1	7	14	-0.1	5.49
1.34	88	23	-0.1	7.53
1.09	94	23	-0.1	5.58
-0.1	51	24	-0.1	3.48
0.11	51	28	-0.1	3.27
0.35	37	51	-0.1	7.46
0.31	41	53	-0.1	6.15

duplicate K0 251

DUP-K-0253

DUP-K-0265

DUP-K-0277

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

TRAVERSE 10 GRAND FORKS 1:50,000 115-0/14

Sampled: 08-Jul-00

By: PL,SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K0288	59	589603.1	7092600	648	S++	40	F org	b	si / cl		
K0289	60	589640.6	7092568.8		S++	35	W	b	gr / si / cl	qte s ox	
K0290	61	589669.7	7092542.2		S++	40	F org (ice)	b	si / cl	qte ser p	poor sam org "A"
K0291	62	589708	7092511.5		S++	30	sk org	b	gr / si / cl	qte p m	"C" poorly dev
K0292	63	589745.9	7092481.5	715	R	30	sk org	b / yb	gv / si / cl	qte ser lim	"C"
K0293	64	589788	7092455.2		R	10	org	b	gr / si / cl	qte ser	
K0294	65	589827.3	7092423.5		S++	15	org	b	gr / si / cl	qte ser s	
K0295	66	589865	7092392.3		S++	35	F org	b	si / cl	qte ser	
K0296	67	589902.3	7092356.3	708	S++	20	sk	yb	gr / si / cl	qte ser s	"C" poorly dev
K0297	68	589934.3	7092314.7		S++	25		b	si / cl	qte ser	"A"
K0298	69	589974.2	7092280		S++	25	W	b	si / cl	qte m	"A"
K0299	70	590004.3	7092250.3		S++	30	org	b	si / cl	qte ser s	"A"
K0300	71	590041.3	7092216.7	686	S++ V	20	org	b	gv / si / cl	qte ser	
K0301	72	590086.8	7092197.7		S++ V	poor	sample	location			
K0302	73	590118.3	7092180.7		S++	50	org	b	si / cl		"A"
K0303	74	590152.4	7092148.8		S++	35	W org	b	si / cl		"A"
K0304	75	590191	7092114.6	784	S++	30	F org	b	si / cl		"A"
K0305	76	590227.5	7092089.9		S++	30		b	si / cl		"A"
K0306	77	590263.2	7092056.3		S++	35	F	black	si / cl		"A"
K0307	78	590290.6	7092027.1		S++	20	W	b	si / cl		"A"
K0308	79	590325.4	7091989.3	838	S++	30		yb	si / cl	qte m	"A"
K0309	80	590363.9	7091957.5		S+	30		b	si / cl	qte ser ox p	"A"
K0310	81	590403.5	7091923.4		S+	30	W org	b	si / cl	qte s m	"A"
K0311	82	590434.4	7091893.2		S++	30	sk org	yb	gv / si / cl	qte m lim p	poor sam "B"
K0312	83	590472	7091856.6	822	S++	25	sk	yb	si / cl / gv	qte m p lim	"B"
K0313	84	590507.9	7091825.9		S+	25		yb	gr / si / cl	qte ser p	strong lim ser
K0314	85	590545.9	7091786.9		S+	30	sk	g yb	gv / si / cl	qte ser p lim	"B"
K0315	86	590583.5	7091759.3		S++	25	sk org	yb	si / cl	qte ser p lim	"B"
K0316	87	590613.7	7091723.7	894	S++	30	sk org	b	si / cl	qte ser p ox	"A"
K0317	88	590652.4	7091697.3		S++	30	org	b	si / cl	qte m s	"A"
K0318	89	590687.2	7091666.6	896	S++	30	org	yb	si / cl / gr	qte m ox p	"b"

-0.1	8	18	-0.1	0.72
0.13	106	64	-0.1	11
0.13	16	31	-0.1	1.84
0.41	15	27	-0.1	1.23
0.3	12	18	-0.1	1.92
0.34	16	27	-0.1	3.58
0.19	11	28	-0.1	2.06
0.2	19	28	-0.1	2.12
0.15	10	21	-0.1	9.04
0.25	28	37	-0.1	1.7
0.16	11	25	-0.1	2.03
0.41	20	26	-0.1	1.41
0.19	12	21	-0.1	2.04
0.86	29	18	-0.1	1.56
0.53	25	24	0.12	1.77
0.21	13	17	-0.1	0.67
0.38	22	26	0.14	2.07
0.39	49	35	-0.1	1.89
0.44	45	32	-0.1	1.87
0.41	46	36	-0.1	2.39
0.56	13	18	-0.1	2.77
3.37	24	29	-0.1	3.8
1.82	6	13	-0.1	6.77
5.07	11	13	-0.1	8.72
3.8	14	11	-0.1	3.75
-0.1	2	6	-0.1	5.54
0.18	3	5	-0.1	2.1
0.13	3	7	-0.1	10.9
2.3	33	40	-0.1	4.29
0.81	25	21	-0.1	3.51
-0.1	15	27	-0.1	1.64
0.13	16	31	-0.1	1.84
0.21	23	36	-0.1	1.95
0.19	12	21	-0.1	2.04
4.24	27	33	-0.1	3.6
3.37	24	29	-0.1	3.8
0.13	106	64	-0.1	11
0.17	107	75	0.13	9.77
0.86	29	18	-0.1	1.56
0.95	27	22	-0.1	1.45
-0.1	2	6	-0.1	5.54
-0.1	2	6	-0.1	5.21

K0319 duplicate K0290

K0320 duplicate K0300

K0321 duplicate K0310

DUP-K-0289

DUP-K-0302

DUP-K-0314

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
EAST		NORTH	ELEV								
TRAVERSE 11											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 10-Jul-00 By: pl_sj											
Sample Interval (m): 50											
K-0322	90	589996.9	7092854.2	650	S++	20	PF org	b	si cl		g carbonaceous
K-0323	91	590031.5	7092819.3		S++	20	org	g	si cl gv	qte p	g carbonaceous
K-0324	92	590071.1	7092796.5		S++	25	PF org	g	si cl gv		g carbonaceous
K-0325	93	590105.5	7092763.4		S++	20	org	gb	si cl		g carbonaceous
K-0326	94	590147.6	7092734.1	726	S++	20		gb	si cl	qte p	Dacite banded
K-0327	95	590187.2	7092703		S++	25		gb	si cl	qte p	Dacite banded
K-0328	96	590227.7	7092676		S++	20	org	gb	si cl	qte p	g carbonaceous
K-0329	97	590262.4	7092647.1		S++	20	org	gb yb	si cl	qte p	g carbonaceous
K-0330	98	590300.7	7092613.6	751	S++	20	org	gb	si cl	qte p	g carbonaceous
K-0331	99	590340	7092584.2		S++	20	org	gb	si cl	qte p	g carbonaceous
K-0332	100	590376.2	7092549.4		S++	30	org	g yb	si cl	qte p	g carb folded
K-0333	101	590414.4	7092522.3		S++	25	org	gb	si cl	qte p	g carbonaceous
K-0334	102	590445.3	7092489.7	809	S++	25	sk org	gb	si cl	qte p	carb
K-0335	103	590482.2	7092459.7		S++	15		yb	si cl	qv	
K-0336	104	590523.1	7092427.4		S+	15	sk	yb	si cl	qte m lim	
K-0337	105	590555.3	7092387.1		S+	25		yb	si cl gr	qte carb p b(?)	
K-0338	106	590592.2	7092356.4	829	S+	15	org	yb	si cl gv	qte ser	
K-0339	107	590630.2	7092327		S+	25		yb	si cl gr	q ser s	
K-0340	108	590674.4	7092290.1		S++	30	sk org	yb	gr s si	qte ser p	"C"
K-0341	109	590710.1	7092263		S++	20		yb	si cl gv	q s ser	
K-0342	110	590748.2	7092230.6	801	S++	20	sk org	yb	s si	q ser s qte	poor dev
K-0343	111	590779.8	7092199.8		S++	25		yb	si cl gr	qte ser p	
K-0344	112	590820.2	7092169.9		S++	15		yb	si cl gr	q m s qte carb p	
EOL K-0345	113	590861.7	7092135.8	776	S++	20		gb	si cl gr	qte carb	

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
0.22	68	59	-0.1	3.8
0.22	60	95	-0.1	3.38
0.29	153	297	-0.1	2.81
-0.1	14	96	-0.1	6.34
-0.1	22	82	-0.1	5.65
0.32	56	114	0.14	6.52
0.21	78	103	0.1	100
0.3	53	82	-0.1	8.61
-0.1	28	20	-0.1	5.25
0.12	16	25	-0.1	6.05
0.18	31	33	-0.1	3.8
0.14	24	35	-0.1	1.94
-0.1	19	16	-0.1	2.72
0.25	66	88	-0.1	3.34
0.19	6	35	-0.1	2.52
0.3	39	38	-0.1	3.03
0.15	13	11	-0.1	1.33
-0.1	2	4	-0.1	6.75
-0.1	3	4	-0.1	2.3
-0.1	4	5	-0.1	2.32
-0.1	7	8	-0.1	4.77
0.11	13	15	-0.1	2.97
0.25	47	92	-0.1	3.42
-0.1	8	25	-0.1	4.4
-0.1	28	20	-0.1	5.25
-0.1	41	21	-0.1	5.72
-0.1	4	5	-0.1	2.32
-0.1	4	4	-0.1	1.19
-0.1	22	82	-0.1	5.65
-0.1	21	76	-0.1	5.47
0.15	13	11	-0.1	1.33
0.15	11	14	-0.1	1.75

NOTE: grey , carb =carbonaceous

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

TRAVERSE 12 GRAND FORKS 1:50,000 115-0/14

Sampled: 07 11 00

By: PL, SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	185	59	0.15	2.28
0.17	81	122	0.11	1.77
0.15	80	74	0.16	3.06
0.17	195	102	0.15	4.06
0.15	250	693	-0.1	5.3
0.15	65	199	0.16	11.7
0.16	36	310	0.15	4.29
-0.1	21	114	-0.1	6.01
0.35	102	2070	0.16	7.02
0.64	66	1470	0.13	108
0.14	69	79	0.14	4.3
0.29	100	48	-0.1	19.4
0.14	45	60	-0.1	4.43
0.15	7	38	-0.1	4.89
-0.1	9	20	0.12	13.7
-0.1	29	42	0.11	5.07
0.27	49	68	-0.1	11.5
0.18	59	50	0.12	10
0.45	47	58	-0.1	47.3
0.21	101	95	-0.1	8.28
0.21	124	65	-0.1	28.2
-0.1	14	24	0.12	5.62
0.15	80	74	0.16	3.06
-0.1	67	79	0.14	2.9
0.14	45	60	-0.1	4.43
0.2	35	209	-0.1	11.6
-0.1	185	59	0.15	2.28
-0.1	189	61	-0.1	2.56
0.14	45	60	-0.1	4.43
-0.1	45	49	-0.1	4.09

c	114	590145.7	7093147.3	620	S++	20	org	b	si cl								"B"
K-0349	115	590177.6	7093123.7		S++	30	F ice org	gb	si cl								"A"
K-0350	116	590218.5	7093092		S++	30	PF org	b	si cl								"A"
K-0351	117	590256.3	7093069.2		S++	30	PF org	b	si cl								"A"
K-0352	118	590298.9	7093039.9	696	S++	25	org	b	si cl								"A"
K-0353	119	590336.8	7093023.1		S++	30	org	b	si cl								"A"
K-0354	120	590372.7	7092997.2		S++	25	org	b	si cl								"B" & "A"
K-0355	121	590410.2	7092973.8		S++	25	PF org	b	si cl								"A"
K-0356	122	590446.3	7092946.7	743	S++	30	W org	gb	si cl								"B"
K-0357	123	590493.1	7092917.6		S++	25	W	gb	si cl			carb s q lim					"B"
K-0358	124	590521.3	7092890.3		S++	20	org	gb	si cl			carb s qm s					"B"
K-0359	125	590568.2	7092858.7		S++	25	org	b yb	si cl gr			lim carb s					"B"
K-0360	126	590607.1	7092831.2	776	S++	30		yb	si cl			carb qte lim					"B"
K-0361	127	590649.3	7092801.9		S++	30		gb yb	si cl			qte m carb s					"B"
K-0362	128	590689.6	7092770.2		S++	20		gb yb	si cl gr			carb qte lim				"B" lots qte	
K-0363	129	590729.8	7092744.4		S++	25	org	gb yb	si cl gv			carb qte, lim on fracture p					"B"
K-0364	130	590771.3	7092712.7	772	S++	20		yb gb	si cl			carb qte p lim					"B"
K-0365	131	590803.5	7092681.4		S++	25	org	yb gb	si cl			carb s					"B"
K-0366	132	590840.1	7092652.5		S++	25		yb	si cl			carb s					"B"
K-0367	133	590875.1	7092614.7		S++	25	org	yb	si cl			carb qte lim frac					"B"
K-0368	134	590913.5	7092578.7		S++	25		yb	gr si cl			carb qte lim					"B"
K-0369	135	590950.4	7092549.9	742	S++	20	W PF	yb	gv si cl			qm s					"B"
K-0350																	
K-0370	duplicate	K-0350															
K-0360																	
EOL K-0371	duplicate	K-0360															
K-0348																	
DUP-K-348																	
K-0360																	
DUP-K-360																	

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 13		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 21-Jul-00		By: PL , SJ							
		Sample Interval (m): 50									
K-0495	61495	590625.3	7093218.6	668	>30	30	org	gb	si / cl	qte lim micro viens	B
K-0496	62	590622.6	7093130		>20	25	w	gb	si / cl	carb qte	B
K-0497	63	590616.1	7093085		S++	25	w	gb	si / cl	carb qte	B
K-0498	64	590610.6	7093037		S++	30	moist org	gb	si / cl	qm s / carb s	B
K-0499	65	590609.5	7092983.7	736	S++	35	sk w	yb	si / cl	qte lim micro viens	bull quartz
K-0500	66	590607.4	7092941.2		S++	20		yb	si / cl	carb s	
K-0501	67	590608.4	7092895.8		S++	25		g / yb	si / cl	carb qte	
K-0502	68	590608.3	7092845.5		S++	20		b yb	si / cl	qm s p lim	
K-0503	69	590600.2	7092798.7	780	S++	20		b yb	si / cl	carb qte lim	
K-0504	70	590594.2	7092750.6		S++	20		yb	si / cl	carb s	
K-0505	71	590588.7	7092704.4		S++	20		g yb	si / cl	qv	
K-0506	72	590584.9	7092608.6		S	20		yb	si / cl		
K-0507	73	590578.2	7092559.4	792	S	20	sk org	yb	si / cl	qm s	
K-0508	74	590577.4	7092560		S	20	sk org	yb	si / cl	qv	
K-0509	75	590571	7092507.7		S	20		yb	si / cl		
K-0510	76	590562.8	7092456.7		S	20	w	bg	si / cl	carb qte	b, c?
K-0511	77	590557.3	7092408.7	809	S	20	sk	yb	si / cl	qm s	b, c?
K-0512	78	590552	7092363.7		S	20	org	y gb	si / cl	carb qte p lim	
K-0513	79	590546	7092319.2		S	20		yb	si / cl	qm s	
K-0514	80	590549.8	7092268.5		S	no	sample	all	"C"	qte ser / s	C
K-0515	81	590555.6	7092223.8	835	S	20	sk	rb	si / cl	qte ser / s	B
K-0516	82	590550.5	7092172.8		S	no	sample	all	"C"	qm sp	C
K-0517	83	590536.9	7092122.2		S	no	sample	all	"C"	qte ser /s	C
K-0518	84	590548.6	7092020.3		S	20	sk	yb	si / cl	qte ser /s	B
K-0519	85	590549.1	7092019.1	855	S++	no	sample			qte ser /s	C
K-0520	86	590546	7091972.3		S++	no	sample			qte ser /s	C
K-0521	87	590535	7091925.4		S++	30	org	g yb	si / cl / gv	qte ser /s	B
K-0522	88	590529.2	7091870.8		S++	30	org	g yb	si / cl	qtems lim	B
K-0523	89	590515	7091835.7	892	S++	25	org	yb	si / cl	qte ser /s	B
K-0524	90	590499.1	7091786.2		S++	no	sample	thin	b profile poor sam	qte well banded	gneissic P, A B C
K-0525	91	590483.2	7091743.3		S++	25	sk org	rb	si / cl	ox qte m	B
K-0526	92	590470.7	7091692.7		S++	25	org	yb	si / cl	qte ser foliated,lim patch	perp foliation
K-0527	93	590461.9	7091644.5	918	S++	no	sample	too	many rocks	qte m s	A
K-0528	94	590444.8	7091607.6		S++	30		yb	si / cl	qte m s	boulder fields B
K-0529	95	590422.4	7091562.7		S++	35	org	b yb	si / cl	qte m s	B
K-0530	96	590411	7091529		S++	20		yb	si / cl	qte m s	lots of rocks B
K-0531	96531	590399.1	7091505.8	956	S++	20	org	b yb	si / cl	qte m s exp	folded B

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
0.19	57	79	0.13	3.49
0.22	141	258	0.11	12
0.13	37	163	-0.1	13.6
-0.1	60	67	-0.1	2.05
0.26	356	551	0.11	20.1
0.15	57	44	-0.1	3.2
0.13	49	63	0.11	5.63
-0.1	31	66	-0.1	2.74
0.13	149	95	-0.1	5.78
1.03	11	44	-0.1	1.57
0.25	70	136	-0.1	3.2
-0.1	74	81	-0.1	3.46
-0.1	14	32	-0.1	1.21
0.24	133	144	-0.1	2.47
-0.1	12	33	-0.1	0.6
0.19	23	120	-0.1	4.44
0.12	25	50	-0.1	9.31
0.22	90	248	0.1	5.71
0.87	63	133	0.18	5.61
0.31	3	14	0.15	1.25
0.2	5	17	-0.1	1.29
0.19	17	21	0.11	6.27
-0.1	7	23	-0.1	5.79
-0.1	9	18	-0.1	1.46
-0.1	6	16	-0.1	1.89
-0.1	4	13	-0.1	5.75
0.27	7	37	-0.1	8.9
0.56	8	25	-0.1	2.34
1.23	9	19	-0.1	4.55
-0.1	5	16	-0.1	1.79
1.39	9	20	-0.1	1.22
0.25	15	26	-0.1	6.41
-0.1	14	22	-0.1	1.44
0.25	21	34	-0.1	2.45
-0.1	8	34	-0.1	3.07
-0.1	5	14	-0.1	3.97
-0.1	10	20	-0.1	1.85
0.15	57	44	-0.1	3.2
-0.1	43	34	-0.1	2.96
0.19	23	120	-0.1	4.44
0.14	25	235	0.11	6.96
-0.1	4	13	-0.1	5.75
-0.1	3	15	-0.1	4.57
-0.1	5	14	-0.1	3.97
-0.1	6	18	-0.1	5.55
0.13	149	95	-0.1	5.78
0.2	135	90	0.1	7.19
0.2	5	17	-0.1	1.29
-0.1	4	14	-0.1	1.11
-0.1	14	22	-0.1	1.44
0.12	12	21	-0.1	1.21

K-0500			
K-0532	duplicate of	K-0500	
K-0510			
K-0533	duplicate of	K-0510	
K-0520			
K-0534	duplicate of	K-0520	
K-0530			
K-0535	duplicate of	K-0530	

K-503
DUP-K-503

K-515
DUP-K-515

K-527
DUP-K-527

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 13(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: July 21 00			By: pl sj						
		Sample Interval (m): 50									
K-0495		590625.3	7093218.6	668	>30	30	org	gb	si / cl	qte lim micro viens	B
K-0496		590622.6	7093130		>20	25	w	gb	si / cl	carb qte	B
K-0497		590616.1	7093085		S++	25	w	gb	si / cl	carb qte	B
K-0498		590610.6	7093037		S++	30	moist org	gb	si / cl	qms / carb s	B
K-0499		590609.5	7092983.7	736	S++	35	sk w	yb	si / cl	qte lim micro viens	bull quartz
K-0500		590607.4	7092941.2		S++	20		yb	si / cl	carb s	
K-0501		590608.4	7092895.8		S++	25		g / yb	si / cl	carb qte	
K-0502		590608.3	7092845.5		S++	20		b yb	si / cl	qm s p lim	
K-0503		590600.2	7092798.7	780	S++	20		b yb	si / cl	carb qte lim	
K-0504		590594.2	7092750.6		S++	20		yb	si / cl	carb s	
K-0505		590588.7	7092704.4		S++	20		g yb	si / cl	qv	
K-0506		590584.9	7092608.6		S	20		yb	si / cl		
K-0507		590578.2	7092559.4	792	S	20	sk org	yb	si / cl	qm s	
K-0508		590577.4	7092560		S	20	sk org	yb	si / cl	qv	
K-0509		590571	7092507.7		S	20		yb	si / cl		
K-0510		590562.8	7092456.7		S	20	w	bg	si / cl	carb qte	b, c?
K-0511		590557.3	7092408.7	809	S	20	sk	yb	si / cl	qm s	b, c?
K-0512		590552	7092363.7		S	20	org	y gb	si / cl	carb qte plim	
K-0513		590546	7092319.2		S	20		yb	si / cl	qm s	
K-0514		590549.8	7092268.5		S	no	sample	all	"C"	qte ser / s	C
K-0515		590555.6	7092223.8	835	S	20	sk	rb	si / cl	qte ser / s	B
K-0516		590550.5	7092172.8		S	no	sample	all	"C"	qmp s	C
K-0517		590536.9	7092122.2		S	no	sample	all	"C"	qte ser /s	C
K-0518		590548.6	7092020.3		S	20	sk	yb	si / cl	qte ser /s	B
K-0519		590549.1	7092019.1	855	S++	no	sample			qte ser /s	C
K-0520		590546	7091972.3		S++	no	sample			qte ser /s	C
K-0521		590535	7091925.4		S++	30	org	g yb	si / cl / gv	qte ser /s	B
K-0522		590529.2	7091870.8		S++	30	org	g yb	si / cl	qte m s lim	B
K-0523		590515	7091835.7	892	S++	25	org	yb	si / cl	qte ser /s	B
K-0524		590499.1	7091786.2		S++	no	sample	thin	b profile poor sam	qte well banded	gneissic P, A B C
K-0525		590483.2	7091743.3		S++	25	sk org	rb	si / cl	ox qte m	B
K-0526		590470.7	7091692.7		S++	25	org	yb	si / cl	qte ser foliated,lim patch	perp foliation
K-0527		590461.9	7091644.5	918	S++	no	sample	too	many rocks	qte m s	A
K-0528		590444.8	7091607.6		S++	30		yb	si / cl	qte m s	boulder fields B
K-0529		590422.4	7091562.7		S++	35	org	b yb	si / cl	qte m s	B
K-0530		590411	7091529		S++	20		yb	si / cl	qte m s	lots of rocks B
eol K-0531		590399.1	7091505.8	956	S++	20	org	b yb	si / cl	qte m s oxp	folded B

SAMPLE No

TRAVERSE 13(-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 %	La 2151 ppm
2	0.2	1.63	56	<10	270	<0.5	<2	0.22	<0.5	6	25	13	2.24	<10	<1	0.06	30
<1	<0.2	1.66	30	<10	360	<0.5	<2	0.27	<0.5	9	30	20	2.42	<10	<1	0.04	20
6	<0.2	1.75	36	<10	350	<0.5	<2	0.28	<0.5	9	32	21	2.55	<10	<1	0.04	20
3	<0.2	1.69	44	<10	300	<0.5	<2	0.24	<0.5	10	34	21	2.51	<10	<1	0.04	10
6	0.2	1.84	62	<10	360	<0.5	<2	0.42	<0.5	13	36	25	2.91	<10	<1	0.05	20
4	<0.2	2.14	78	<10	300	0.5	2	0.12	<0.5	12	52	35	3.33	<10	<1	0.04	10
4	<0.2	2.13	64	<10	280	0.5	<2	0.15	<0.5	11	62	28	2.96	<10	<1	0.03	10
<1	<0.2	1.79	38	<10	310	<0.5	<2	0.19	<0.5	9	46	17	2.42	<10	<1	0.03	10
<1	<0.2	1.98	130	<10	360	<0.5	<2	0.2	<0.5	12	92	27	3.08	<10	<1	0.05	10
<1	<0.2	1.77	78	<10	290	0.5	<2	0.1	<0.5	12	31	25	3.02	<10	<1	0.04	10
2	<0.2	1.39	30	<10	360	<0.5	<2	0.13	<0.5	10	32	21	2.61	<10	<1	0.04	10
6	<0.2	1.79	30	<10	280	<0.5	<2	0.09	<0.5	7	30	13	2.77	<10	<1	0.04	10
<1	<0.2	1.02	10	<10	430	<0.5	<2	0.06	<0.5	5	16	13	1.65	<10	<1	0.05	30
3	<0.2	1.63	26	<10	500	0.5	<2	0.11	<0.5	12	31	28	3.11	<10	<1	0.05	20
<1	<0.2	0.86	12	<10	140	<0.5	<2	0.04	<0.5	4	14	12	1.43	<10	<1	0.06	30
4	<0.2	1.55	34	<10	360	<0.5	<2	0.15	<0.5	5	37	31	2.41	<10	<1	0.05	30
<1	0.4	0.85	16	<10	210	<0.5	<2	0.06	<0.5	3	15	9	1.48	<10	<1	0.06	30
<1	<0.2	1.48	40	<10	440	<0.5	<2	0.15	<0.5	7	50	25	2.16	<10	<1	0.05	20
3	<0.2	1.39	28	<10	450	<0.5	<2	0.12	<0.5	7	39	25	2.31	<10	<1	0.07	30
<1	<0.2	0.92	12	<10	270	<0.5	<2	0.02	<0.5	3	9	11	1.72	<10	<1	0.07	40
<1	<0.2	0.95	10	<10	120	<0.5	2	0.05	<0.5	3	14	7	1.55	<10	<1	0.05	10
4	<0.2	1.01	34	<10	170	<0.5	2	0.05	<0.5	3	14	7	1.58	<10	<1	0.06	20
8	<0.2	1.3	46	<10	190	<0.5	<2	0.1	<0.5	4	18	10	2.06	<10	<1	0.05	30
17	<0.2	0.84	110	<10	110	<0.5	<2	0.06	<0.5	3	11	6	1.3	<10	<1	0.05	20
29	<0.2	0.81	294	<10	130	<0.5	<2	0.05	<0.5	3	10	5	1.49	<10	<1	0.07	30
4	<0.2	0.99	58	<10	190	<0.5	<2	0.08	<0.5	2	10	5	1.1	<10	<1	0.06	30
1	<0.2	1.09	56	<10	140	<0.5	<2	0.09	<0.5	4	15	8	1.67	<10	<1	0.07	30
<1	<0.2	0.9	72	<10	150	<0.5	<2	0.05	<0.5	2	8	4	1.39	<10	<1	0.08	10
<1	<0.2	1.12	50	<10	150	<0.5	<2	0.06	<0.5	4	11	6	1.54	<10	<1	0.09	20
<1	<0.2	1.62	14	<10	160	<0.5	<2	0.08	<0.5	5	28	7	3.16	<10	<1	0.04	10

SAMPLE No
TRAVERSE 13(-80)

	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
K-0495	0.54	215	1	0.01	20	320	16	<0.01	<2	3	17	0.01	<10	<10	35	<10	72
K-0496	0.59	250	1	0.01	24	460	18	<0.01	<2	4	21	0.03	<10	<10	39	<10	68
K-0497	0.65	265	2	0.01	26	540	14	<0.01	<2	3	22	0.03	<10	<10	41	<10	74
K-0498	0.57	310	1	0.01	27	450	14	<0.01	<2	3	18	0.03	<10	<10	42	<10	70
K-0499	0.67	700	1	0.01	33	490	24	<0.01	<2	3	28	0.02	<10	<10	45	<10	90
K-0500	0.61	250	1	<0.01	45	270	12	0.01	<2	3	14	0.03	<10	<10	58	<10	78
K-0501	0.69	185	2	<0.01	47	260	8	<0.01	<2	3	14	0.03	<10	<10	62	<10	84
K-0502	0.54	170	1	0.01	31	230	8	<0.01	<2	3	16	0.03	<10	<10	56	<10	60
K-0503	0.71	315	1	0.01	66	340	8	0.01	<2	4	20	0.02	<10	<10	60	<10	68
K-0504	0.36	295	<1	0.01	32	310	12	<0.01	<2	2	13	0.03	<10	<10	53	<10	66
K-0505	0.38	270	1	<0.01	27	250	8	<0.01	<2	4	15	0.03	<10	<10	42	<10	56
K-0506	0.35	220	<1	<0.01	18	190	12	<0.01	<2	3	11	0.04	<10	<10	54	<10	42
K-0507	0.26	110	<1	<0.01	11	160	20	<0.01	<2	1	9	0.01	10	<10	24	<10	30
K-0508	0.41	330	1	<0.01	28	230	10	<0.01	<2	4	15	0.02	<10	<10	45	<10	66
K-0509	0.23	80	<1	<0.01	9	110	20	0.01	<2	1	8	0.01	10	<10	19	<10	34
K-0510	0.53	95	2	0.01	16	340	18	0.02	<2	4	23	0.03	10	<10	43	<10	46
K-0511	0.22	70	<1	<0.01	8	180	86	0.01	<2	1	9	0.01	<10	<10	21	<10	24
K-0512	0.54	155	<1	0.01	26	340	14	0.01	<2	4	21	0.02	<10	<10	39	<10	50
K-0513	0.5	200	1	0.01	29	250	22	<0.01	<2	4	20	0.03	10	<10	36	<10	68
K-0514																	
K-0515	0.11	55	<1	0.01	5	200	30	0.07	<2	<1	20	<0.01	10	<10	16	<10	66
K-0516																	
K-0517																	
K-0518	0.23	65	<1	<0.01	8	150	24	0.01	<2	1	9	0.03	<10	<10	28	<10	34
K-0519																	
K-0520																	
K-0521	0.22	85	<1	<0.01	7	130	64	0.03	<2	1	14	0.02	<10	<10	26	<10	32
K-0522	0.27	115	<1	<0.01	11	270	42	0.01	<2	1	12	0.02	<10	<10	34	<10	54
K-0523	0.19	80	1	<0.01	6	150	32	<0.01	<2	1	7	0.01	<10	<10	19	<10	34
K-0524																	
K-0525	0.15	90	1	<0.01	5	220	22	0.02	<2	1	11	0.01	<10	<10	21	<10	28
K-0526	0.14	60	<1	<0.01	4	210	24	<0.01	<2	<1	9	0.01	10	<10	20	<10	20
K-0527																	
K-0528	0.31	145	<1	<0.01	9	140	26	<0.01	<2	1	9	0.01	<10	<10	21	<10	40
K-0529	0.18	65	<1	<0.01	4	110	18	<0.01	<2	1	6	0.01	<10	<10	21	<10	26
K-0530	0.23	105	<1	<0.01	7	210	24	<0.01	<2	1	8	0.01	<10	<10	22	<10	32
eol K-0531	0.32	150	<1	<0.01	10	290	16	<0.01	<2	2	10	0.06	<10	<10	68	<10	34

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

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

Sampled: 07 12 00 By: PL, SJ
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	39	16	-0.1	4.26
0.13	78	26	0.16	2.52
-0.1	27	23	0.16	0.91
-0.1	20	28	-0.1	2.65
0.1	16	27	-0.1	1.51
-0.1	21	29	0.15	17
-0.1	24	31	0.11	1.11
0.19	31	33	-0.1	3.53
-0.1	24	32	-0.1	4.25
0.14	61	120	-0.1	4.18
0.12	21	27	-0.1	1.69
0.19	21	24	-0.1	3.29
0.15	35	26	-0.1	2.09
0.11	27	24	-0.1	3.57
-0.1	65	42	-0.1	6.25
0.15	31	59	-0.1	4.1
-0.1	25	40	-0.1	7.58
0.15	26	39	-0.1	5.13
-0.1	46	37	-0.1	8.96
-0.1	50	29	-0.1	1.62
-0.1	39	16	-0.1	4.26
0.12	77	23	-0.1	4.76
-0.1	24	32	-0.1	4.25
-0.1	19	47	-0.1	2.92
-0.1	46	37	-0.1	8.96
0.2	19	44	-0.1	14.7
-0.1	39	16	-0.1	4.26
-0.1	45	16	-0.1	3.98
0.15	35	26	-0.1	2.09
-0.1	20	23	0.13	1.66

K-0372	136	586899.6	7095999	590	S++	20	org	b	si cl gv	qte ser	banded very silicified
K-0373	137	586901	7095948.8		S++	20	org	b	si cl	qte ser p	"B" HOR boulders
K-0374	138	586896.5	7095912.8		S++	15	W	b	si cl	qte ser	"B" HOR
K-0375	139	586887	7095864.1		S++	25	W org	yb	si cl	qte m p	"B" HOR q eyes
K-0376	140	586881.5	7095816.7	654	S++	20	org	b gb	si cl	qte m p	"B" & "A"
K-0377	141	586880.4	7095773		S++	30	org	b	si cl	qte m p	"A" HOR
K-0378	142	586872.4	7095718.9		S++	20	org	b gb	si cl	qte ser p	"A" & "B"
K-0379	143	586875.2	7095677.1		S++	25	org	b	si cl gv	qte ser p	"B" HOR
K-0380	144	586876	7095626.9	691	S++	20		yb	si cl	qte ser lim	"B" HOR
K-0381	145	586882.3	7095580.4		S++	15		gb yb	si cl	qte ser	"B" HOR
K-0382	146	586877.7	7095531.3		S++	15		yb	si cl	qte ser	"B" HOR
K-0383	147	586877.1	7095484.6		S++	15		yb	si cl	qte ser c	"B" HOR folded
K-0384	148	586879.4	7095430.3	740	S++	20		yb	si cl	qcp s blue q eyes	"B" HOR
K-0385	149	586870.3	7095390.5		S++	15		yb	si cl	qm s	"B" HOR
K-0386	150	586866.6	7095342		S++	20		yb	si cl	qte ser p blue q eyes lim	"B" HOR
K-0387	151	586861.2	7095292.2		S++	20	org	yb	si cl	q ser s blue q eyes	"B" HOR
K-0388	152	586853.2	7095248.9	781	S++	20	org	yb	si cl	qm s	"B" HOR boulders
K-0389	153	586847.5	7095197.3		S++	20		yb	si cl	qte ser	"B" HOR boulders
K-0390	154	586845.8	7095154.2		S++	15	sk	yb	si cl	qm s	"B" HOR boulders
EOL K-0391	155	586843.7	7095108.7	806	S++	15	org	yb	si cl	qte mc	"B" HOR boulders
K-0372											
K-0392		duplicate	K-0372								
K-0380											
K-0393		duplicate	K-0380								
K-0390											
K-0394		duplicate	K-0390								
K-0372											
DUP-K-372											
K-384											
DUP-K-384											

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

TRAVERSE 15 GRAND FORKS 1:50,000 115-0/14

Sampled: 14-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0395	185395	586292.9	7095138.9	722	S++	15	org	b	si cl	no rocks	"A" HOR
K-0396	186	586348.9	7095145.8		S++	15	org	b	si cl		"A" HOR
K-0397	187	586399.3	7095149		S++	15	org	b	si cl		"A" HOR
K-0398	188	586446.1	7095155.1		S++	15	org	gb	si cl		"A" HOR
K-0399	189	586496	7095147.5	749	S++	15	org	b	si cl		"A" HOR
K-0400	190	586541.4	7095151.1		S++	15	org	b	si cl		"A" HOR
K-0401	191	586586.8	7095151.2		S++	15	org	yb	si cl		"B" HOR
K-0402	192	586635.1	7095153.1		S++	15	org	rb yb	si cl		"B" HOR
K-0403	193	586680.3	7095145.4	790	S+	30	org	yb	cl		"B" HOR
K-0404	194	586731.9	7095151		S	30	org	yb	cl		"B" HOR
K-0405	195	586782.6	7095151.3		S	20	org	yb	si cl	3 ser p lin	"B" HOR
K-0406	196	586831.5	7095149.6		S++	25	PF org	ob	si cl	q m s c	"B" HOR
K-0407	197	586882.8	7095147.5	786	S++	15		yb	gr si cl	qte m c	"B" HOR
K-0408	198	586927.5	7095148.1		S++	15		yb	gr si cl	qte m tr c	"B" HOR
K-0409	199	586976.8	7095151.3		S++	20	org	yb	gv si cl	q m s tr c	"B" HOR
K-0410	200	587028.2	7095153.9		S++	20	org	yb	si cl	q m s c f	"B" HOR
K-0411	201	587075.2	7095155.8	768	S++	20	org	yb	gv si cl	q m s c f	"B" HOR
K-0412	202	587125.7	7095154.8		S++	30	W	yb	gv si cl	q m c s f	"B" HOR
K-0413	203	587168.6	7095150.1		S++	25		yb	si cl	q m s	"B" HOR
K-0414	204	587216.8	7095147.8		S++	15	W	yb	si cl		"B" HOR
K-0415	205	587268.8	7095147.5	739	S++	20		yb	si cl	q m s ox	"B" HOR
K-0416	206	587321.6	7095147.8		S++	25	org	yb	gv si cl	q m s ox	"B" HOR
K-0417	207	587367.9	7095146.7		S++	20	org	yb	si cl	q m s ox	"A", "B" HOR
K-0418	208	587412.3	7095147.9		S++	25	org	b yb	si cl	q m s p	"A" HOR
K-0419	209	587465.9	7095148.2	702	>20	20	org	b yb	si cl	q m s	"A" HOR
K-0420	210	587514.6	7095145.4		>20	20	org	b	cl		"B" HOR
EOL K-0421	211421	587562.1	7095157.5	687		30	W org	yb	gv si cl	s c (c on	of q bands)

0.1	11	78	0.2	8.21
0.14	8	70	0.18	3.89
0.14	9	51	0.14	4.58
0.19	29	93	0.12	1.9
0.23	50	162	0.15	1.12
0.24	83	330	0.14	4.04
0.18	9	306	0.15	13.3
0.13	7	140	-0.1	10.9
0.12	15	23	-0.1	2.68
0.15	27	83	0.1	8.09
0.25	56	32	-0.1	4.32
0.19	58	28	0.12	3.91
0.1	38	22	-0.1	2.38
0.11	13	18	-0.1	2.34
0.27	35	30	0.12	4.44
0.11	25	18	-0.1	4.23
0.17	24	22	-0.1	6.11
0.17	33	86	-0.1	7.79
0.18	17	23	-0.1	3.67
0.19	58	38	-0.1	1.76
0.1	19	25	-0.1	2.15
0.18	22	53	-0.1	6.34
0.12	12	18	-0.1	4.95
0.16	30	34	-0.1	3.93
-0.1	14	21	-0.1	2.08
0.11	15	19	-0.1	1.6
-0.1	15	20	-0.1	3.59
0.18	9	306	0.15	13.3
0.29	11	402	-0.1	20
0.17	24	22	-0.1	6.11
0.1	21	27	-0.1	6.21
-0.1	15	20	-0.1	3.59
0.26	140	351	0.11	7.6
0.14	8	70	0.18	3.89
-0.1	10	55	0.1	3.27
0.11	13	18	-0.1	2.34
-0.1	15	16	-0.1	2.01
0.11	15	19	-0.1	1.6
0.1	16	19	-0.1	1.44

K-0401				
K-0422	duplicate	K-0401		
K-0411				
K-0423	duplicate	K-0411		
K-0421				
K-0424	duplicate	K-0421		
K-396				
DUP-K-396				
K-408				
DUP-K-408				
K-420				
DUP-K-420				

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

TRAVERSE 16 GRAND FORKS 1:50,000 115-0/14

Sampled: 18-Jul-00 By: PL, SJ
Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0425	1425	585998.9	7095498.6	649	S++	15	org	yb	si / cl		
K-0426	1	585967.8	7095531.2		S+	20	org	yb	si / cl	qte m p	
K-0427	2	585939.4	7095571.1		S+	20	org	yb	si / cl		
K-0428	3	585906.9	7095606.1		S+	15	org	yb	si / cl		
K-0429	4	585877.7	7095645.3	689	S+	15	org	yb	si / cl	ox q	
K-0430	5	585849.2	7095677.4		S+	15	org	yb	si / cl	ox qte m p, blue q eyes	
K-0431	6	585819.9	7095722.1		S+	15	org	yb	si / cl	qm s ox	
K-0432	7	585793	7095763.2		S+	15	org	yb	si / cl	qte m p ox	very dry
K-0433	8	585757.9	7095788.6	710	S+	20	org	yb / b	si / cl / gr	qte sm p ox	quartz eyes
K-0434	9	585726.7	7095834.9		S+	15		yb	si / cl / gr	qte ser p ox, blue q eyes	
K-0435	10	585699.7	7095868.9		S+	20		yb	si / cl / gr	qte s m p ox	
K-0436	11	585662	7095904.9		S+	20	org	yb	si / cl	qte s m p ox	
K-0437	12	585638.4	7095941.4	735	S+	15		b / yb	si / cl	qte s m p ox	
K-0438	13	585608.2	7095980		S+	15		b / yb	si / cl	qte s m p ox	
K-0439	14	585577.8	7096022.2		S+	15		yb	si / cl	qte s m p ox	
K-0440	15	585546.8	7096060.3		S+	15	org	yb	si / cl / gr	qte s m p ox, carb q/s	
K-0441	16	585521.2	7096103.2	765	S+	15	org	yb	si / cl	qm s ox p, carb	
K-0442	17	585487.3	7096141.8		S++	15	w	yb	si / cl	qm s ox p, carb	
K-0443	18	585458.2	7096179.8		S++	15		yb	si / cl	qm s ox p, carb	
K-0444	19	585429.3	7096218.5		S++	15		yb	si / cl	qm s ox p, carb	
K-0445	20	585402.5	7096256.6	791	S+	15		yb	si / cl		
K-0446	21	585375.1	7096297.2		S+	15	org	yb	si / cl	qmp s, blue q eyes	dry
K-0447	22	585354.3	7096337.9		S++	15	org	yb	si / cl	qm s ox p, very siliceous	blue q eyes, blocky
K-0448	23	585324	7096381.3		S++	15	org	yb	si / cl	qm s ox, blue q eyes	strong red
K-0449	24	585303.1	7096416	822	S++	15	org	yb	si / cl	qm s blue q eyes ox	
K-0450	25	585279.1	7096455.4		S++	15	moist org	yb	si / cl	qm s blue q eyes ox	
K-0451	26	585245.3	7096500.5		S+	15	org	yb	si / cl	qm s blue q eyes ox	
K-0452	27	585217	7096539.2		S++	15		yb	si / cl	qm s blue q eyes ox	
K-0453	28	585181.3	7096574.7	850	S++	15	sk org	yb	si / cl	qm s blue q eyes ox	
K-0454	29	585148.3	7096610.3		S++	15		yb	si / cl	qm s blue q eyes ox	
K-0455	30	585122	7096650.3		S++	15		yb	si / cl	qm s blue q eyes ox	
K-0456	31456	585102.7	7096694	844	S++	15		yb	si / cl	qm s blue q eyes ox	

0.2	32	28	-0.1	4.59
-0.1	17	24	-0.1	3.46

K-0440
K-0458 check K-0440

0.14	11	19	-0.1	4.96
-0.1	14	18	-0.1	3.03

K-0450
K-0459 check K-0450

-0.1	17	28	-0.1	5.67
0.11	23	29	-0.1	6.87

K-432
DUP-K-432

-0.1	22	24	-0.1	2.54
-0.1	17	19	-0.1	2.24

K-444
DUP-K-444
Soil was extremely dry, often powdery and rarely hard to go below 15 cm
Rocks are yellow orange limonitic qms /qtzite - Hematitic in 1 place. Almost always have blue / white milky quartz eyes.
One locality also had minor carbonaceous schist/qte
Vegetation mostly poplar & spruce. Very few rocky areas, no boulder fields.

-0.1	32	36	-0.1	4.82
-0.1	28	32	-0.1	4.79

K-456
DUP-K-456

-0.1	11	48	0.12	8.38
-0.1	15	58	-0.1	8.42

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

TRAVERSE 17 GRAND FORKS 1:50,000 115-0/14

Sampled: 20-Jul-00

By: PL, SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	12	12	-0.1	1.17
0.37	30	42	-0.1	8.32
0.13	12	18	-0.1	3.43
-0.1	7	15	-0.1	2.7
-0.1	15	28	-0.1	5.5
0.27	28	38	0.11	4.71
0.3	123	140	-0.1	3.98
0.2	98	79	0.14	4.74
0.27	63	79	0.13	4.71
0.16	25	99	0.1	3.06
0.13	31	163	-0.1	2.3
0.14	66	189	0.1	3.61
0.16	116	106	0.12	3.36
0.12	23	82	-0.1	3.78
-0.1	34	43	0.12	1.24
-0.1	22	39	-0.1	1.41
-0.1	23	41	-0.1	1.77
-0.1	17	32	-0.1	0.81
-0.1	19	33	0.12	0.85
-0.1	28	55	-0.1	1.49
0.14	38	81	-0.1	2.47
-0.1	35	88	-0.1	1.92
0.13	53	136	0.12	2.67
-0.1	40	75	-0.1	1.69
0.1	76	213	-0.1	3.3
-0.1	41	52	-0.1	1.22
-0.1	34	64	-0.1	2.12
0.11	29	79	-0.1	1.46
0.24	61	56	0.12	7.45
0.21	30	207	-0.1	5.23
0.22	461	899	0.11	15.8
-0.1	12	12	-0.1	1.17
-0.1	37	21	-0.1	2.42
0.13	31	163	-0.1	2.3
0.29	25	153	-0.1	2.69
0.14	38	81	-0.1	2.47
0.2	30	52	-0.1	1.98
0.22	461	899	0.11	15.8
0.27	274	1940	0.13	20.3
0.2	98	79	0.14	4.74
0.35	92	93	0.23	4.17
-0.1	28	55	-0.1	1.49
0.17	32	60	0.13	1.35
-0.1	37	21	-0.1	2.42
0.16	32	24	-0.1	2.15

K-467
DUP-K-467

K-479
DUP-K-479

K-491
DUP-K-491

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 17(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: July 20 00			By: pl sj						
		Sample Interval (m): 50									
K-0460		586252.7	7093397.4	1038	R	25		yb	si / cl	qmp s blue q eyes	
K-0461		586245.3	7093501.9		R	25		gb	si / cl	qm qte	hem? Epidole?
K-0462		586243.5	7093549.7		S+	25	org	yb	si / cl / gr	qmp s blue q eyes	
K-0463					S++	25	sk org	yb	si / cl	q ser s	stained pink hem?
K-0464		586243	7093595.7	1009	S++	25	sk org	yb	si / cl	qm s c p lim	
K-0465		586241.4	7093644.7		S++	30	org	yb	si / cl	qmc s lim patches BXA?	
K-0466		586237.2	7093691.8		S++	25	org	yb	si / cl	ox qm s	
K-0467		586234.3	7093739		S++	25		yb	si / cl	ox qm s	blue q eyes
K-0468		586236.4	7093786.9	964	S++	30	org	yb	si / cl	qmp s	
K-0469		586237.8	7093832.4		S++	25	org	b	si / cl	no rocks	
K-0470		586233.1	7093878.9		S++	35	org	yb	si / cl	qm s	
K-0471		586234.7	7093923.8		S++	30	w org	yb	si / cl	qm s ox	
K-0472		586230.8	7093969.8	909	S++	30	W	yb	si / cl	qms ox	
K-0473		586228.5	7094016.3		S++	40		yb	si / cl	no rocks	
K-0474		586227.2	7094063.6		S++	45	w org	yb	si / cl	no rocks	
K-0475		586225.7	7094108.4		S++	40	w org	b /yb	si / cl	no rocks	
K-0476		586220.5	7094152.5	855	S++	30	F org	yb	si / cl	no rocks	
K-0477		586221.3	7094199.7		S++	no	sample	poor	area	no rocks	80% org poor samp
K-0478		586221.4	7094245.2		S++	40	w org	b /yb	si / cl	small qm s chips	A
K-0479		586219.5	7094293.6		S++	35	w org	yb	si / cl		A B fine grain C?
K-0480		586210.5	7094344.8	803	S++	50	org	b /yb	si / cl	qte ser	poor samp
K-0481		586216.6	7094390.4		S++	35	w	b /yb	si / cl		A
K-0482		586219.3	7094446.1		S++	40	PF	b /yb	si / cl		A
K-0483		586217.5	7094498.7		S++	50	PF	b /yb	si / cl		AB
K-0484		586210.9	7094549.3	754	S++	35	org	yb	si / cl		B
K-0485		586202	7094594.5		>28	no	sample	frozen			A bit of B
K-0486		586200.2	7094641.7		>20	no	sample	no	B"		A C
K-0487		586199.7	7094696.1		>20	45	org	b /yb	si / cl	fine gravel seams qm s ?	MOSS A B C
K-0488		586201.2	7094748.2	689	>20	45	sk	b /yb	si / cl		C B
K-0489		586195.6	7094797.7		S++	20	sk	yb	s / cl / si		B C
K-0490		586194.5	7094838.3	673	S++	25	org	yb	si / cl		B

Peter's Comments:

Near the bottom of hill moss is very thick and ground often frozen.

At several locations gravel seams of limonitic <1mm were found in "B" horizon. Possibly "C" at these locations the soil profile seems thin with A B C probably represented in the sample. Very little boulder outcropping, samples were dry to moist at crest up hill and wet to frozen at bottom.

SAMPLE No
TRAVERSE 17(-80)

	3993 Au ppb	2118 Ag ppm	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 %
K-0460	<1	<0.2	1.74	10	<10	250	<0.5	<2	0.1	<0.5	9	21	14	2.11	<10	<1	0.04
K-0461	9	<0.2	1.14	6	<10	370	<0.5	<2	0.15	<0.5	4	17	14	1.33	<10	<1	0.03
K-0462	2	<0.2	1.48	6	<10	260	<0.5	<2	0.15	<0.5	6	20	14	1.67	<10	<1	0.04
K-0463	<1	<0.2	0.99	6	<10	150	<0.5	<2	0.07	<0.5	2	12	7	1.08	<10	<1	0.04
K-0464	3	<0.2	1.27	10	<10	230	<0.5	<2	0.19	<0.5	6	21	17	1.83	<10	<1	0.05
K-0465	4	<0.2	1.63	8	<10	380	<0.5	<2	0.22	<0.5	7	23	19	2.02	<10	<1	0.05
K-0466	2	<0.2	1.46	6	<10	380	<0.5	<2	0.26	<0.5	8	22	17	1.89	<10	<1	0.05
K-0467	1	<0.2	1.53	8	<10	310	<0.5	<2	0.2	<0.5	6	22	14	1.96	<10	<1	0.05
K-0468	16	<0.2	1.69	6	<10	420	<0.5	<2	0.19	<0.5	6	24	21	1.95	<10	<1	0.05
K-0469	<1	<0.2	1.29	4	<10	290	<0.5	<2	0.22	<0.5	5	18	11	1.53	<10	<1	0.03
K-0470	1	<0.2	1.52	6	<10	260	<0.5	<2	0.29	<0.5	5	21	10	1.83	<10	<1	0.04
K-0471	1	<0.2	1.47	4	<10	250	<0.5	<2	0.23	<0.5	6	21	11	1.83	<10	<1	0.04
K-0472	1	<0.2	1.61	6	<10	280	<0.5	<2	0.23	<0.5	7	23	14	2.1	<10	<1	0.04
K-0473	1	<0.2	1.3	8	<10	240	<0.5	<2	0.24	<0.5	5	19	8	1.63	<10	<1	0.04
K-0474	<1	<0.2	1.02	6	<10	170	<0.5	<2	0.14	<0.5	3	14	6	1.23	<10	<1	0.03
K-0475	<1	<0.2	1.22	6	<10	170	<0.5	<2	0.15	<0.5	4	17	7	1.48	<10	<1	0.04
K-0476	<1	<0.2	0.99	4	<10	150	<0.5	<2	0.13	<0.5	3	14	6	1.17	<10	<1	0.03
K-0477																	
K-0478	16	<0.2	1.08	12	<10	150	<0.5	<2	0.13	<0.5	4	17	7	1.7	<10	<1	0.03
K-0479	9	<0.2	1.1	12	<10	180	<0.5	2	0.15	<0.5	4	17	6	1.45	<10	<1	0.03
K-0480	22	<0.2	1.07	18	<10	140	<0.5	<2	0.14	<0.5	4	17	6	1.63	<10	<1	0.03
K-0481	2	<0.2	1.23	12	<10	180	<0.5	<2	0.15	<0.5	5	19	8	1.73	<10	<1	0.03
K-0482	1	<0.2	1.14	12	<10	190	<0.5	<2	0.17	<0.5	4	18	7	1.59	<10	<1	0.03
K-0483	9	<0.2	1.14	16	<10	190	<0.5	<2	0.15	<0.5	5	18	8	1.68	<10	<1	0.04
K-0484	4	<0.2	1.09	14	<10	240	<0.5	<2	0.22	<0.5	5	16	8	1.64	<10	<1	0.03
K-0485																	
K-0486																	
K-0487	<1	<0.2	1.03	36	<10	140	<0.5	<2	0.14	<0.5	4	15	7	1.66	<10	<1	0.04
K-0488	5	<0.2	0.63	158	<10	100	<0.5	<2	0.07	<0.5	3	6	9	1.11	<10	<1	0.08
K-0489	4	<0.2	0.98	202	<10	140	<0.5	<2	0.17	<0.5	5	10	11	1.69	<10	<1	0.17
K-0490	2	<0.2	1.16	16	<10	280	<0.5	<2	0.43	<0.5	9	25	25	2.43	<10	<1	0.06

SAMPLE No
TRAVERSE 17(-80)

	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 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
K-0460	10	0.71	230	1	<0.01	16	200	10	<0.01	<2	3	10	0.03	<10	<10	31	<10	54
K-0461	40	0.43	100	<1	<0.01	10	250	20	<0.01	<2	2	14	0.03	10	<10	24	<10	34
K-0462	20	0.51	135	1	<0.01	13	320	14	<0.01	<2	2	14	0.03	<10	<10	29	<10	42
K-0463	30	0.34	65	1	<0.01	7	200	16	<0.01	<2	1	10	0.01	<10	<10	20	<10	30
K-0464	20	0.51	210	1	<0.01	16	430	12	<0.01	<2	3	16	0.05	<10	<10	32	<10	56
K-0465	30	0.54	195	1	0.01	17	410	16	0.01	2	4	20	0.04	<10	<10	35	<10	60
K-0466	20	0.51	235	1	<0.01	16	420	12	<0.01	<2	3	22	0.04	<10	<10	35	<10	56
K-0467	10	0.47	165	2	<0.01	15	460	16	<0.01	2	3	17	0.04	<10	<10	36	<10	54
K-0468	10	0.43	140	1	0.02	17	540	16	0.03	<2	2	21	0.03	<10	<10	35	<10	52
K-0469	10	0.39	85	1	<0.01	13	470	12	0.01	<2	1	21	0.03	<10	<10	30	<10	40
K-0470	10	0.51	95	1	<0.01	14	430	14	0.01	<2	1	28	0.03	<10	<10	34	<10	52
K-0471	10	0.47	105	1	<0.01	14	510	14	0.01	<2	2	21	0.03	<10	<10	33	<10	50
K-0472	10	0.51	125	1	<0.01	16	490	14	0.01	<2	3	19	0.03	<10	<10	38	<10	56
K-0473	10	0.44	95	<1	<0.01	13	460	14	0.01	<2	1	19	0.03	<10	<10	30	<10	48
K-0474	10	0.34	70	1	<0.01	9	320	8	0.02	<2	<1	14	0.01	<10	<10	21	<10	34
K-0475	10	0.37	75	1	<0.01	10	430	12	0.03	<2	1	15	0.02	<10	<10	25	<10	42
K-0476	10	0.31	60	<1	<0.01	9	410	8	0.03	<2	1	12	0.02	<10	<10	18	<10	34
K-0477																		
K-0478	10	0.33	75	<1	0.01	9	460	12	0.02	<2	1	13	0.03	<10	<10	33	<10	36
K-0479	10	0.35	75	<1	0.01	10	420	10	0.01	<2	1	14	0.03	<10	<10	27	<10	40
K-0480	10	0.35	75	<1	0.01	9	450	12	0.01	<2	1	12	0.03	<10	<10	30	<10	40
K-0481	10	0.38	80	1	0.01	12	450	10	0.01	<2	1	13	0.02	<10	<10	31	<10	44
K-0482	10	0.37	80	<1	0.01	11	450	8	0.01	<2	1	15	0.02	<10	<10	27	<10	42
K-0483	10	0.37	80	<1	0.01	11	470	14	0.02	<2	1	13	0.03	<10	<10	27	<10	46
K-0484	10	0.38	80	<1	0.01	10	490	10	0.02	<2	1	20	0.02	<10	<10	28	<10	44
K-0485												12	0.03	<10	<10	28	<10	42
K-0486											8	<0.01	10	<10	<10	7	<10	36
K-0487	10	0.37	75	<1	0.01	9	440	12	0.01	<2	1	19	0.03	10	<10	15	<10	58
K-0488	40	0.2	120	1	<0.01	5	280	14	<0.01	<2	1	27	0.06	<10	<10	38	<10	68
K-0489	40	0.54	170	1	0.01	9	380	18	<0.01	<2	3							
K-0490	10	0.48	315	<1	0.02	23	780	8	<0.01	<2	4							

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
EAST		NORTH		ELEV							
18		GRAND FORKS 1:50,000 115-0/14									
Sample Interval (m): 50		Sampled: 22, 25 aug 9		By: pl sj							
K-0536	96536	584645	7095211	890	S++	20	org	g yb	si cl	qte ser s lim patches	
K-0537	96	584612	7095249		S++	20	org	b yb	si cl	qte ser m	
K-0538	97	584586	7095291		S++	20	org	yb	cl si	qte ser	
K-0539	98	584559	7095335		S++	20	org	yb	cl si	qte ser bands of hem	
K-0540	99	584531	7095371	942	S++	15	org	b rb	si cl	qte ser	
K-0541	100	584506	7095405		S++	20		yb	si cl	qte ser	
K-0542	101	584476	7095441		S+	15	org	yb	gr si cl	qte ser	
K-0543	102	584443	7095478		S++	20		rb	si cl	qte ser ox p	
K-0544	103	584414	7095507	993	S++	15	org	rb	si cl	qte ser ox p	
K-0545	104	584386	7095545		S++	20	org	b rb	si cl	qte ser p lim	
K-0546	105	584359	7095580		S++	20	org	b yb	si cl	qte ser	
K-0547	106	584316	7095624		S++	15	sk org	rb	gr si cl	qte ser p lim	boulder field
K-0548	107	584298	7095659	1043	S++	15	org	b yb	si cl	qte ser p lim	
K-0549	108	584272	7095693		R	15	org	yb	si cl	qte ser p lim	
K-0550	109	584237	7095729		S+	20	org	b ob	si cl	qte ser pl crenulated	big boulders
K-0551	110	584215	7095765		S+	15	sk	rb	si cl	qte ser p	
K-0552	145	584178	7095810	1064	R	15		rb	si cl	qte ser p	
**K-0590	146	584127	7095858		R	20	org	b rb	si cl	qte / s	
K-0591	147	584078	7095868		R	15	org	gb yb	si cl	qte / lim laths cross cut	foliation
K-0592	148	584033	7095892		R	15	org	gb yb	si cl	qte / lim laths cross cut	hem stains par to fol
K-0593	149	583986	7095913	1052	R	20	org	g yb	si cl	qte minor m /s	
K-0594	150	583938	7095941		R	15	org	g yb	si cl	qte minor m /s lim p	
K-0595	151	583886	7095966		R	15	W	rb	si cl	qte minor m /s lim p	hem staining
K-0596	152	583829	7095983		S	15	org	b yb	si cl	qte minor m /s lim p	hem stain par to fol
K-0597	153	583774	7095970	1037	S	15	sk	rb	gv si cl	qte / s strong perv	hem staing
K-0598	154	583725	7095948		S	20		g rb	gr si cl	true qte c/ amphibole phenocrysts	not foliated
K-0599	155	583727	7096000		S	20	org	rb yb	gr si cl	true qte c/amphibol phenos	100m @ 90- not foliated
K-0600	156	583818	7096034		S	20		yb	si cl	qte foliated lim par to fol	
K-0601	157	583813	7096090	1033	S	20		rb	si cl	qte foliated hem par to	fol m/s
K-0602	158	583821	7096143		S	15	org	black	si cl	q f por minor ser p bullq	
K-0603	159	583815	7096189		S	20		rb	si cl	q f por minor ser p bullq	
K-0604	160	583811	7096236	1010	S	20		yb	si cl	qte ser /s hem	
K-0605	161	583806	7096287		S	20		yb	si cl	qte ser /s hem...	lim parr to fol
K-0606	162	583805	7096340		S	20	org	yb	si cl	qms	
K-0607	163	583801	7096384		S	20	W org	yb	si cl	qms	
K-0608	164	583790	7096436	998	S	25		g rb	si cl	qte ser /s hem specks	
**K-0751	290	583771	7096483		R	15	org	yb	si cl	qte ser /s hem specks	
K-0752	291	583765	7096538		R	20	org	yb	gr si cl	qms	
K-0753	292	583765	7096581		R	20	org	yb	gr si cl	qte ser/ s lim specks	
K-0754	293	583769	7096641	976	R	20	org	b yb	si cl	qte qfp ser lim	
K-0755	294	583781	7096690		R	30	org	yb	gv si cl	qte ser /s lim blue q eyes	
K-0756	295	583776	7096735		R	25		yb	gv si cl	qte ser /s	
K-0757	296	583775	7096790		R	20		rb yb	si cl	qte ser /s	
K-0758	297	583776	7096841	976	R	15		rb	si cl	qte ser /s lim subhedral	felspars
K-0759	298	583768	7096889		R	20	org	yb	si cl	qte ser / subhedral f	banded blue q eyes
K-0760	299	583750	7096939		R	15	org	g yb	gr si cl	qte ser /s fgb?	
K-0761	300	583739	7096991		R	15		b yb	si cl	ser s intrusive? 3% lath like. qte ser /slim perp foliation	2 different rocks
K-0762	301	583720	7097034		S	15		b yb	si cl	qte ser /s blue q eyes	
K-0763	302	583686	7097076	966	S	15		yb	si cl	qte ser /s blue q eyes	
K-0764	303	583656	7097116		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes
K-0765	304	583625	7097155		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes
K-0766	305	583597	7097199		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	7097278		S++	30	sk org	yb	si cl	qte ser /s blue q eyes	weakly lim qv BA ?

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	31	40	-0.1	8.08
0.24	12	51	-0.1	8.97
-0.1	17	35	0.11	9.82
-0.1	15	34	0.13	7.89
-0.1	22	38	-0.1	13.3
-0.1	19	34	0.15	9
-0.1	3	33	-0.1	14.4
-0.1	12	36	-0.1	17.9
-0.1	9	46	-0.1	19.4
-0.1	10	40	-0.1	7.19
-0.1	5	19	-0.1	13.4
-0.1	10	15	-0.1	2.3
-0.1	7	20	-0.1	2.4
-0.1	6	25	-0.1	11
-0.1	13	35	-0.1	6.56
-0.1	5	30	-0.1	17.3
-0.1	7	20	-0.1	3.54
0.1	7	11	-0.1	0.82
-0.1	6	11	-0.1	0.98
-0.1	8	14	-0.1	0.31
-0.1	8	13	-0.1	0.61
-0.1	22	28	-0.1	2.64
-0.1	80	19	-0.1	11.3
-0.1	8	12	-0.1	2.27
0.14	11	13	-0.1	16.6
-0.1	9	22	-0.1	9.35
-0.1	12	17	-0.1	0.5
-0.1	13	19	-0.1	2.55
-0.1	9	25	-0.1	1.9
-0.1	6	23	-0.1	0.48
-0.1	16	16	-0.1	2.8
-0.1	20	52	-0.1	5.88
1.26	23	27	0.18	2.41
0.49	11	18	0.12	1.7
0.53	18	78	0.2	5.26
0.22	10	18	0.11	0.73
-0.1	12	16	-0.1	4.38
-0.1	16	29	-0.1	3.11
-0.1	12	23	-0.1	5.84
-0.1	11	23	-0.1	3.79
-0.1	22	23	-0.1	5.28
-0.1	15	34	0.12	7.5
-0.1	10	27	0.11	3.61
-0.1	2	22	-0.1	15.5
-0.1	15	30	-0.1	2.35
-0.1	13	26	-0.1	3.37
-0.1	8	18	-0.1	6.69
-0.1	6	18	-0.1	3.75
-0.1	8	15	-0.1	1.62
-0.1	7	20	-0.1	4.55
-0.1	17	20	-0.1	0.72
-0.1	5	15	-0.1	0.81
-0.1	3	16	-0.1	1.03
-0.1	7	27	-0.1	3.59

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 18		GRAND FORKS 150,000 115-0/14									
K-0769	308	583504	7097314		S++	35	org dry	yb	si cl	qte ser /s blue q eyes	weakly lim
K-0770	309	583474	7097355		S++	30		yb	si cl	qte ser /s lim no	boulder field anymore
K-0771	310	583442	7097397	894	S++	25	sk	yb	si cl	qte /ser /s	boulder field
K-0772	311	583413	7097435		S++	35		yb	subhedral felspars si cl	, rhyolitic crystal tuff qte /ser /s	
K-0773	312	583383	7097476		S++	25		yb	subhedral felspars si cl	, rhyolitic crystal tuff qte ser /s	heavy moss
K-0774	313	583360	7097522		S++	70		gb yb	si cl	qte m ser /s blue q eyes	
K-0775	314	583337	7097560	874	S++	15		yb	si cl	qte m ser /s blue q eyes	
K-0776	315	583304	7097601		S++	15		yb	si cl	qte m ser /s blue q eyes	
K-0777	316	583268	7097631		S++	15		yb	si cl	qte m ser /s blue q eyes	
K-0778	317	583230	7097661		S++	15	org	yb	si cl	qte m ser /s blue q eyes	
K-0779	318	583188	7097693	839	S++	30		yb	si cl	no rock	
K-0780	319	583144	7097712		S++	35		yb	gr si cl	qte ser /s m qv	
K-0781	781	582565	7098048		S+	15		ob gb	si cl	qte ser /s weakly	from end of line...
K-0782	782	582611	7098022		S+	20		yb	si cl	qte ser /s weakly	
K-0783	783	582655	7098002		S	40	org	yb	si cl	qte ser /s lim	
K-0784	784	582696	7097977		S	25	sk org	yb	cl si	qte ser /s3% lim specks	
K-0785	785	582735	7097945	328	S	20		gb yb	si cl	qte ser /s	
K-0786	786	582776	7097917		S	35	org	yb	si cl	no rock	
K-0787	787	582825	7097903		S	35	sk org	yb	si cl	qte ser /s	
K-0788	788	582866	7097878		S+	25	sk org	yb	cl si	qte ser /s ox p	
K-0789	789	582910	7097853	819	S+	25	sk org	yb	cl si	qte ser /s qv	subhedral felspars
K-0790	790	582962	7097829		S+	25	org	yb	si cl	qte ser/s	
K-0791	791	583004	7097811		S++	25	org	gb yb	gr si cl	qte ser /s	
K-0792	792	583054	7097783		S++	25		yb	si cl	lim	
K-0793	793	583106	7097749	830	S++	15	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?	perpendicular to fol
K-1052	52	582435	7098125		S	45	org	b yb	gv si cl	qte /s srtong lim	poor sam
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? bqeyes
K-1058	58	582165	7098265		S++	25	dry	yb	si cl	qte ser /s	
K-1059	59	582128	7098283	722	S++	20	org	b yb	si cl	qte ser /s lim	
K-0540	**K-0816 for	K-0540	Comments: From K-0553 to K-0597 the qte / s is strongly silicified. At K-0598, K-0599 there is a true qte which is qtz ? feld / porph with strong hematite which stains the rock pink. In all notes "qte/s" actually represents a q-rich s. Qte /s seems to be various bands of metavolcanics (rhyolitic crystal tuff to possibly coarser grained tuffs & ash tuffs) NOTE:K-0781 is in fact the end of the line but due to easier access we started there and met up with our line @ K-0780.								
K-0550	K-0817 for	K-0550									
K-0590	K-0818 for	K-0590									
K-0600	K-0819 for	K-0600									
K-0751	K-0820 for	K-0751									
K-0760	K-0821 for	K-0760									
K-0770	K-0822 for	K-0770									
K-0780	K-0823 for	K-0780									

Scheme Code

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
0.12	44	36	-0.1	2.9
-0.1	15	58	-0.1	3.41
-0.1	8	19	-0.1	0.73
-0.1	26	31	-0.1	3.92
0.18	10	347	-0.1	11.9
0.4	83	1320	-0.1	26.5
-0.1	20	36	-0.1	2.98
0.13	84	70	-0.1	1.59
-0.1	20	58	0.13	5.59
0.11	21	41	-0.1	3.1
-0.1	18	24	-0.1	1.35
-0.1	8	18	-0.1	0.7
-0.1	7	36	-0.1	1.79
-0.1	19	23	-0.1	0.46
-0.1	16	34	-0.1	0.43
-0.1	21	39	-0.1	0.85
-0.1	6	15	-0.1	0.88
-0.1	23	23	-0.1	1.47
-0.1	17	31	-0.1	5.3
-0.1	13	33	-0.1	2.44
-0.1	24	24	0.12	2.18
-0.1	37	27	-0.1	0.58
-0.1	11	17	-0.1	3.19
-0.1	13	32	-0.1	3.11
-0.1	6	18	-0.1	1.41
0.12	42	41	0.13	11.9
0.13	9	12	-0.1	1.89
-0.1	6	15	-0.1	1.01
-0.1	10	18	0.12	2.55
-0.1	23	60	0.13	0.7
-0.1	9	20	-0.1	3.67
-0.1	29	33	-0.1	3.56
0.11	107	63	0.11	4.84
-0.1	3	31	-0.1	6.29
-0.1	8	72	0.15	1.31
-0.1	22	38	-0.1	13.3
-0.1	12	18	-0.1	6.99
-0.1	13	35	-0.1	6.56
-0.1	8	29	-0.1	4.88
0.1	7	11	-0.1	0.82
-0.1	10	14	-0.1	0.74
-0.1	13	19	-0.1	2.55
-0.1	8	15	-0.1	0.75
-0.1	12	16	-0.1	4.38
0.11	17	19	-0.1	3.54
-0.1	13	26	-0.1	3.37
-0.1	26	25	-0.1	4.35
-0.1	15	58	-0.1	3.41
0.28	22	164	-0.1	6.99
-0.1	8	18	-0.1	0.7
-0.1	11	20	-0.1	0.68

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 18		GRAND FORKS 1:50,000 115-0/14									
	K-0790										
	K-0824 for	K-0790									
	K-1050										
	K-1060 for	K-1050									
	K-539										
DUP-K-539											
	K-551										
DUP-K-551											
	K-599										
DUP-K-599											
	K-0754										
DUP-K-0754											
	K-0766										
DUP-K-0766											
	K-0778										
DUP-K-0778											
	K-0790										
DUP-K-0790											
	K 1050										
DUP-K 1050											

Scheme Code

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
-0.1	37	27	-0.1	0.58
0.14	32	51	-0.1	1
0.11	34	35	0.14	9.28
-0.1	15	34	0.13	7.89
-0.1	12	29	-0.1	9.17
-0.1	5	30	-0.1	17.3
-0.1	4	27	-0.1	15.4
-0.1	12	17	-0.1	0.5
-0.1	10	20	-0.1	0.37
-0.1	11	23	-0.1	3.79
-0.1	10	19	-0.1	4.17
-0.1	5	15	-0.1	0.81
-0.1	5	12	-0.1	0.8
0.11	21	41	-0.1	3.1
0.16	20	44	-0.1	2.58
-0.1	37	27	-0.1	0.58
-0.1	47	29	-0.1	0.58
0.12	42	41	0.13	11.9
-0.1	49	36	-0.1	10.8

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993 Au ppb	2118 Ag ppm
TRAVERSE 18(-80)		GRAND FORKS 1:50,000 115-0/14												
		Sampled: July 22, 25 a			By: pl sj							Analysis Unit		
		Sample Interval (m): 50												
K-0536	96536	584645	7095211	890	S++	30	org	yb	si cl	qte ser s lim patches			<1	<0.2
K-0537	96	584612.1	7095248.9		S++	20	org	yb	si cl	qte ser m			<1	<0.2
K-0538	97	584586.3	7095290.7		S++	20	org	yb	cl si	qte ser			6	<0.2
K-0539	98	584559.4	7095335.4		S++	25		yb	cl si	qte ser, bands of hem			<1	<0.2
K-0540	99	584531.1	7095370.5	942	S++	25		yb	si cl	qte ser			<1	<0.2
K-0541	100	584505.5	7095404.5		S++	25		yb	si cl	qte ser			1	<0.2
K-0542	101	584476.1	7095441.4		S+	15	org	yb	gr si cl	qte ser			4	<0.2
K-0543	102	584442.5	7095478.2		S++	20		rb	si cl	qte ser ox p			<1	<0.2
K-0544	103	584413.6	7095507.3	993	S++	20	org	rb	si cl	qte ser ox p			<1	<0.2
K-0545	104	584386.3	7095544.8		S++	25	org	rb	si cl	qte ser p lim			<1	<0.2
K-0546	105	584359.1	7095580		S++	30	org	b yb	si cl	qte ser			<1	<0.2
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			<1	<0.2
K-0549	108	584271.7	7095693		R	15		yb	si cl	qte ser p lim			<1	<0.2
K-0550	109	584236.9	7095728.6		S+	25	org	ob	si cl	qte ser p crenulated	big boulders		<1	<0.2
K-0551	110	584178.4	7095810.1		S+	15	sk	yb rb	si cl	qte ser p			<1	<0.2
K-0552	145	584178	7095810	1064	R	15		rb	si cl	qte ser p			<1	<0.2
**K-0590	146	584126.5	7095857.8		R	20	org	rb	si cl	qte / s			<1	<0.2
K-0591	147	584077.6	7095867.8		R	25		yb	si cl	qte / lim laths cross cut			<1	<0.2
K-0592	148	584033.1	7095891.7		R	25	sk org	yb	si cl	qte / lim laths cross cut	hem stains // fol		<1	<0.2
K-0593	149	583985.8	7095912.6	1052	R	25		yb	si cl	qte minor m /s			<1	<0.2
K-0594	150	583938	7095940.6		R	25		yb	si cl	qte minor m /s lim p			<1	<0.2
K-0595	151	583886.3	7095966.1		R	20	W	rb	si cl	qte minor m /s lim p	hem staining		<1	<0.2
K-0596	152	583829.4	7095983.1		S	25	sk	yb	si cl	qte minor m /s lim p	hem stain par to fol		<1	<0.2
K-0597	153	583774.1	7095969.7	1037	S	25	sk	rb	gv si cl	qte / s strong perv	hem stain		<1	0.2
K-0598	154	583724.7	7095948		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated		<1	<0.2
K-0599	155	583727.3	7096000.1		S	30		rb	gr si cl	true qte c/amphibole phenos	not foliated		2	<0.2
K-0600	156	583817.5	7096033.6		S	25		yb	si cl	qte foliated lim // fol			2	<0.2
K-0601	157	583813.4	7096089.7	1033	S	25		rb	si cl	qte foliated hem //	fol m/s		1	<0.2
K-0602	158	583821.4	7096143.2		S	30	sk org	gb ob	si cl	qf por, minor ser p bull qv			<1	<0.2
K-0603	159	583815.2	7096189.1		S	20		rb	si cl	qf por, minor ser p bull qv			<1	<0.2
K-0604	160	583811.3	7096235.6	1010	S	20		yb	si cl	qte ser /s hem			2	<0.2
K-0605	161	583805.5	7096286.9		S	20		yb	si cl	qte ser /s hem...	lim // fol		3	<0.2
K-0606	162	583805.4	7096339.5		S	25	org	yb	si cl	qm s			<1	<0.2
K-0607	163	583800.8	7096383.6		S	20	w org	yb	si cl	qm s			<1	<0.2
K-0608	164	583789.9	7096436	998	S	40		g rb	si cl	qte ser /s hem specks			1	<0.2
**K-0751	290	583771.3	7096483.3		R	25		yb	si cl	qte ser /s hem specks			<1	
K-0752	291	583764.9	7096537.6		R	25		rb	gr si cl	qm s			<1	
K-0753	292	583765	7096581.2		R	30	sk org	gb ob	gr si cl	qte ser/ s lim specks			<1	
K-0754	293	583768.7	7096640.5	976	R	20		rb	si cl	qte qtp ser lim			<1	
K-0755	294	583781.3	7096689.9		R	20		yb	gv si cl	qte ser /s lim blue q eyes			<1	
K-0756	295	583775.8	7096735.2		R	20		yb	gv si cl	qte ser /s			<1	
K-0757	296	583774.6	7096790.2		R	25	org	yb	si cl	qte ser /s			<1	
K-0758	297	583775.6	7096840.5	976	R	20	w org	yb	si cl	qte ser /s lim subhedral	felspars		3	
K-0759	298	583767.5	7096889.3		R	40		g rb	si cl	qte ser / subhedral f	banded blue q eyes		<1	
K-0760	299	592287.4	7095470.7		R	25	org	yb	gr si cl	qte ser /s fgb?			25	
K-0761	300	583738.8	7096991.4		R	25		yb	si cl	ser s intrusive? 3% lath like. qte ser /s lim perp fol			3	
K-0762	301	583720	7097033.9		S	25		yb	si cl	qte ser /s blue q eyes			<1	
K-0763	302	583685.8	7097076.1	966	S	25		yb	si cl	qte ser /s blue q eyes			1	
K-0764	303	583655.8	7097115.9		S	25		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes		<1	
K-0765	304	583625.4	7097154.6		S	20		yb	si cl	ser s q / qte 1% lim spec	p? Blue Q eyes		3	

SAMPLE No
TRAVERSE 18(-80)

	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 %
K-0536	1.01	6	<10	230	<0.5	<2	0.09	<0.5	4	16	8	1.56	<10	<1	0.06	10	0.23	100	<1	<0.01
K-0537	1.44	8	<10	530	<0.5	<2	0.18	<0.5	7	23	11	2.26	<10	<1	0.08	10	0.38	265	<1	0.01
K-0538	1.63	10	<10	320	<0.5	<2	0.11	<0.5	7	27	15	2.48	<10	<1	0.05	10	0.4	215	1	0.01
K-0539	1.27	6	<10	230	<0.5	<2	0.1	<0.5	5	22	13	1.96	<10	<1	0.05	10	0.35	135	<1	<0.01
K-0540	1.71	10	<10	220	<0.5	<2	0.08	<0.5	6	28	13	2.56	<10	<1	0.05	10	0.4	200	<1	<0.01
K-0541	1.24	8	<10	160	<0.5	<2	0.11	<0.5	6	22	14	2	<10	<1	0.06	10	0.32	205	<1	<0.01
K-0542	0.7	4	<10	130	<0.5	<2	0.09	<0.5	2	11	6	1.03	<10	<1	0.06	10	0.15	60	<1	<0.01
K-0543	1.7	12	<10	220	<0.5	<2	0.13	<0.5	6	27	12	2.77	<10	<1	0.05	10	0.38	140	<1	0.01
K-0544	2.14	10	<10	280	0.5	2	0.13	<0.5	9	36	17	3.05	<10	<1	0.06	10	0.5	255	1	0.01
K-0545	1.21	14	<10	210	<0.5	<2	0.13	<0.5	6	24	12	2.87	<10	<1	0.1	<10	0.32	200	1	0.01
K-0546	1.13	10	<10	250	<0.5	<2	0.15	<0.5	5	17	10	2.18	<10	<1	0.08	10	0.24	205	1	0.01
K-0547																				
K-0548	2.06	16	<10	220	<0.5	<2	0.08	<0.5	9	34	12	3.56	<10	<1	0.05	<10	0.45	200	2	0.01
K-0549	1.07	6	<10	160	<0.5	<2	0.03	<0.5	3	13	6	1.21	<10	<1	0.05	10	0.16	70	<1	<0.01
K-0550	2.42	12	<10	400	0.5	<2	0.09	<0.5	10	38	14	3.2	<10	<1	0.04	10	0.42	230	1	0.01
K-0551	2.04	12	<10	300	0.5	<2	0.08	<0.5	8	30	18	2.5	<10	<1	0.05	10	0.42	190	<1	<0.01
K-0552	2.15	10	<10	240	<0.5	<2	0.07	<0.5	8	30	11	3.23	<10	<1	0.04	10	0.32	270	1	<0.01
**K-0590	2.27	12	<10	210	0.5	<2	0.11	<0.5	11	33	13	3.4	<10	<1	0.06	<10	0.46	240	<1	0.01
K-0591	2.38	12	<10	260	0.5	<2	0.13	<0.5	12	39	23	3.12	<10	<1	0.05	10	0.54	345	<1	0.01
K-0592	1.7	8	<10	170	<0.5	<2	0.12	<0.5	6	29	11	2.58	<10	<1	0.05	10	0.39	150	<1	0.01
K-0593	1.59	8	<10	250	<0.5	<2	0.12	<0.5	7	26	12	2.24	<10	<1	0.04	10	0.38	155	<1	0.01
K-0594	2.27	14	<10	350	0.5	<2	0.12	<0.5	9	32	13	3.28	<10	<1	0.05	10	0.47	195	1	0.01
K-0595	2.42	10	<10	320	<0.5	<2	0.1	<0.5	12	33	14	3.15	<10	<1	0.06	10	0.44	435	1	0.01
K-0596	1.65	6	<10	240	<0.5	<2	0.12	<0.5	8	26	15	2.39	<10	<1	0.04	10	0.41	190	1	0.01
K-0597	0.88	2	<10	110	<0.5	<2	0.01	<0.5	1	8	5	1.19	<10	<1	0.03	<10	0.19	40	<1	<0.01
K-0598	1.21	4	<10	150	<0.5	<2	0.05	<0.5	4	16	7	1.54	<10	<1	0.04	10	0.22	75	<1	<0.01
K-0599	1.95	8	<10	230	<0.5	<2	0.09	<0.5	7	32	16	2.54	<10	<1	0.04	20	0.49	175	1	0.01
K-0600	1.63	6	<10	220	<0.5	<2	0.1	<0.5	7	27	15	2.18	<10	<1	0.04	20	0.41	150	<1	0.01
K-0601	1.67	8	<10	170	<0.5	<2	0.08	<0.5	6	25	12	2.39	<10	<1	0.05	10	0.41	145	<1	0.01
K-0602	1.32	8	<10	140	<0.5	2	0.08	<0.5	4	20	7	2.52	<10	<1	0.05	10	0.29	140	1	<0.01
K-0603	1.55	8	<10	160	<0.5	<2	0.09	<0.5	6	23	10	2.08	<10	<1	0.05	20	0.39	155	1	0.01
K-0604	1.52	8	<10	180	<0.5	<2	0.09	<0.5	5	22	11	2.04	<10	<1	0.05	10	0.36	135	<1	<0.01
K-0605	1.35	8	<10	160	<0.5	<2	0.1	<0.5	6	23	12	1.92	<10	<1	0.04	10	0.37	120	<1	0.01
K-0606	1.19	6	<10	130	<0.5	<2	0.09	<0.5	3	19	8	1.72	<10	<1	0.04	10	0.34	110	<1	0.01
K-0607	1.11	6	<10	200	<0.5	<2	0.12	<0.5	4	17	11	1.66	<10	<1	0.05	30	0.35	135	<1	0.01
K-0608	1.44	8	<10	170	<0.5	<2	0.06	<0.5	3	19	6	2.13	<10	<1	0.05	10	0.28	85	<1	0.01
**K-0751																				
K-0752																				
K-0753																				
K-0754																				
K-0755																				
K-0756																				
K-0757																				
K-0758																				
K-0759																				
K-0760																				
K-0761																				
K-0762																				
K-0763																				
K-0764																				
K-0765																				

SAMPLE No
TRAVERSE 18(-80)

	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
K-0536	10	160	14	<0.01	<2	2	10	0.04	<10	<10	35	<10	32
K-0537	15	240	18	<0.01	<2	3	19	0.04	<10	<10	46	<10	48
K-0538	17	170	16	<0.01	<2	3	12	0.05	<10	<10	49	<10	44
K-0539	13	140	14	<0.01	<2	2	11	0.04	<10	<10	37	<10	40
K-0540	16	180	24	<0.01	<2	3	10	0.05	<10	<10	49	<10	52
K-0541	16	310	48	<0.01	<2	2	10	0.04	<10	<10	35	<10	56
K-0542	7	130	32	<0.01	<2	1	10	0.03	<10	<10	21	<10	34
K-0543	16	220	18	<0.01	<2	3	14	0.05	<10	<10	58	<10	44
K-0544	23	210	22	<0.01	<2	4	15	0.06	<10	<10	61	<10	62
K-0545	15	350	22	0.01	<2	2	13	0.06	<10	<10	57	<10	54
K-0546	11	280	36	0.01	<2	1	13	0.04	<10	<10	51	<10	46
K-0547													
K-0548	20	220	18	0.01	<2	3	10	0.06	<10	<10	60	<10	48
K-0549	6	50	34	<0.01	<2	2	4	0.01	<10	<10	20	<10	24
K-0550	19	150	16	<0.01	<2	3	11	0.06	<10	<10	69	<10	46
K-0551	23	120	24	<0.01	<2	4	9	0.05	<10	<10	45	<10	50
K-0552	15	240	22	<0.01	<2	3	9	0.05	<10	<10	72	<10	76
**K-0590	26	430	24	0.02	<2	3	12	0.04	<10	<10	47	<10	72
K-0591	25	260	12	<0.01	<2	5	15	0.06	<10	<10	58	<10	60
K-0592	15	270	12	0.01	<2	1	13	0.04	<10	<10	56	<10	40
K-0593	16	180	18	<0.01	<2	3	13	0.05	<10	<10	43	<10	40
K-0594	22	230	20	<0.01	<2	3	14	0.06	<10	<10	63	<10	50
K-0595	21	280	16	0.01	<2	3	11	0.05	<10	<10	67	<10	76
K-0596	18	250	14	<0.01	<2	3	13	0.05	<10	<10	48	<10	42
K-0597	4	40	24	<0.01	<2	3	3	0.01	<10	<10	12	<10	24
K-0598	9	80	42	<0.01	<2	2	6	0.03	<10	<10	27	<10	26
K-0599	18	90	16	<0.01	<2	4	12	0.06	<10	<10	50	<10	46
K-0600	17	110	18	<0.01	<2	4	11	0.05	<10	<10	42	<10	46
K-0601	15	200	26	0.01	<2	3	9	0.04	<10	<10	41	<10	42
K-0602	10	200	24	<0.01	<2	3	9	0.04	<10	<10	45	<10	38
K-0603	13	190	28	<0.01	<2	4	9	0.04	<10	<10	35	<10	44
K-0604	13	170	22	<0.01	<2	3	10	0.04	<10	<10	38	<10	40
K-0605	14	210	20	<0.01	<2	3	10	0.04	<10	<10	34	<10	42
K-0606	11	280	20	<0.01	<2	1	9	0.04	<10	<10	32	<10	36
K-0607	11	240	20	<0.01	<2	3	12	0.04	<10	<10	29	<10	36
K-0608	8	200	22	<0.01	<2	1	8	0.03	<10	<10	40	<10	28
**K-0751													
K-0752													
K-0753													
K-0754													
K-0755													
K-0756													
K-0757													
K-0758													
K-0759													
K-0760													
K-0761													
K-0762													
K-0763													
K-0764													
K-0765													

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
									subhedral felspars	rhyolitic crystal tuff	
K-0772	311	583413	7097435		S++	35		yb	si cl	qte /ser /s	
									subhedral felspars	rhyolitic crystal tuff	heavy moss
K-0773	312	583383.4	7097475.8		S++	25		yb	si cl	qte ser / s	
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	
eoLK-1059	59	582128	7098283	722	S++	20	org	b yb	si cl	qte ser /s lim	

Scheme Code

Analysis Unit

3993

Au

ppb

3

<1

2

1

1

2

<1

5

3

<1

7

3

7

<1

<1

1

<1

<1

1

2

<1

6

<1

<1

<1

<1

<1

<1

<1

<1

<1

<1

<1

<1

<1

2118

Ag

ppm

SAMPLE No
TRAVERSE 18(-80)

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	%
K-0766																			
K-0767																			
K-0768																			
K-0769																			
K-0770																			
K-0771																			
K-0772																			
K-0773																			
K-0774																			
K-0775																			
K-0776																			
K-0777																			
K-0778																			
K-0779																			
K-0780																			
K-0781																			
K-0782																			
K-0783																			
K-0784																			
K-0785																			
K-0786																			
K-0787																			
K-0788																			
K-0789																			
K-0790																			
K-0791																			
K-0792																			
K-0793																			
K-1050																			
K-1051																			
K-1052																			
K-1053																			
K-1054																			
K-1055																			
K-1056																			
K-1057																			
K-1058																			
eoK-1059																			

SAMPLE No
TRAVERSE 18(-80)

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

K-0766
K-0767
K-0768
K-0769
K-0770
K-0771

K-0772

K-0773
K-0774
K-0775
K-0776
K-0777
K-0778
K-0779
K-0780
K-0781
K-0782
K-0783
K-0784
K-0785
K-0786
K-0787
K-0788
K-0789
K-0790
K-0791
K-0792
K-0793
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 GRAND FORKS 1:50,000 115-0/14

Sampled: aug 9 00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K- 0794	794	583573.3	7097295	931	S++	25	sk org	y b	gr si cl	qte ser /s lim patches	blue q eyes
K- 0795	795	583570.8	7097340		S++	15	org	y b	cl si	qte ser /s ox	
K- 0796	796	583579.4	7097392		S++	15	org	y b	cl si	qte ser/s lim	
K- 0797	797	583576.5	7097440		S++	15	org	y b	si cl	qte ser/s weakly foliated	blue q eyes moist
K- 0798	798	583583.8	7097490	889	S++	40	org	y b	si cl	qte ser/s weakly foliated	blue q eyesmoist
K- 0799	799	583588.8	7097539		S++	40	org	y b	si cl	qte ser/s lim	blue q eyesmoist
K- 0800	800	583592.7	7097590		S++	20	org	y b	si cl	qte ser /s lim	blue q eyesmoist
K- 0801	801	583590.4	7097639		S++	25	org	b y b	si cl	qte ser/s lim	
K- 0802	802	583593.1	7097693	847	S++	40	org	b y b	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 y b	si cl	qte ser /s lim	
K- 0806	806	583599.2	7097888	796	S++	40	org	b y b	si cl	no rocks	
K- 0807	807	583591.5	7097938		S++	40	W org	b y b	si cl	no rocks	
K- 0808	808	583599	7097991		S++	3030	W	y b	si cl	q ser / s lim	
K- 0809	809	583581.7	7098041		S++	35	F org	b y b	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	y b	si cl	carb q s	
K- 0812	812	583579.8	7098187		S++	35	org	b y b	gr si cl	carb q s m folded lim	bandspar to fol
eoK- 0813	813	583580.9	7098247	694	S++	25	org	y b	si cl	q ser s weakly carb	

0.15	14	129	-0.1	4.31
-0.1	20	28	-0.1	4.48
0.21	27	130	-0.1	7.38
0.15	14	61	-0.1	9.4
0.11	15	39	-0.1	4.86
-0.1	67	65	-0.1	2.48
-0.1	12	57	-0.1	5.24
-0.1	16	29	-0.1	3.35
0.12	128	391	-0.1	6.37
0.17	58	150	-0.1	3.4
-0.1	12	47	-0.1	2.2
0.11	26	57	-0.1	2.2
-0.1	19	46	-0.1	1.12
-0.1	16	43	-0.1	3.97
-0.1	21	36	-0.1	2.37
-0.1	32	70	-0.1	0.42
0.12	27	74	-0.1	1.4
-0.1	25	51	-0.1	2.65
-0.1	20	55	0.1	12.1
0.24	73	107	0.12	10.8
-0.1	12	57	-0.1	5.24
0.15	35	65	0.12	1.55
-0.1	30	49	-0.1	1.24

DUP-K-0814

K-0800
K- 0814 for K-0800

K-0810
K- 0815 for K-0810

DUP-K-0802

K- 0802

Comments
Soils are wetter then on the ridge (TR 18).
Rocks are same as TR 18 except for carbonaceous / musc schists at bottom (Nassina)

0.12	27	74	-0.1	1.4
-0.1	21	47	-0.1	3.29
0.12	128	391	-0.1	6.37
0.11	106	343	-0.1	7.17

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 19(-80)		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 07-Aug-00			By: pl sj						
		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	

Scheme Code

3993

Analysis Unit

Au

ppb

SAMPLE No	GPS W/PT	UTM COORDS EAST NORTH ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 20		GRAND FORKS 1:50,000 115-0/14							
		Sampled: #####	By: pl sj						
		Sample Interval (m): 50							
K-1003	3	584097.1 7099243	693	S	20	org	b yb	gr si cl	qms
K-1004	4	584134.5 7099209		S	15		yb	si cl	qms
K-1005	5	584163.2 7099177		S	20	org	b yb	si cl	no rocks
K-1006	6	584199.6 7099129		S	20	org	b yb	si cl	qms
K-1007	7	584220.1 7099090	729	R	20	org	b rb	si cl	qte / s bqeyes
K-1008	8	584247.5 7099046		R	25	sk org	g yb	si cl	qte m /s crenulated
K-1009	9	584280.7 7099002		R	20		yb	si cl	qte m /s
K-1010	10	584302.5 7098954		R	20	org	b yb	si cl	qte m /s q eyes
K-1011	11	584326.5 7098913	734	R	15	W	yb	cl si min	qte m /s
K-1012	12	584348.9 7098860		R	20		rb	cl si min	qte m /s
K-1013	13	584382.6 7098827		R	20	org	b yb	si cl	qte m /s
K-1014	14	584407 7098787		S	20	org	b yb	gr si cl	qte m /s lim p
K-1015	15	584443.4 7098744	721	S	20	org	b yb	si cl	qte m /s ox
K-1016	16	584477.3 7098713		S+	25	org	yb	si cl	qte m /s ox
K-1017	17	584511.6 7098676		S++	25	org	yb	si cl	ox s
K-1018	18	584546.3 7098636		S++	20		yb	si cl	qte m /s lim
								intrusive?	angular boulders with
K-1019	19	584582.1 7098592	707	S++	35	org	b yb	si cl	qte m /s lim
K-1020	20	584611.9 7098560		S++	15	org	b yb	si cl	qte ser /s
K-1021	21	584645.2 7098522		S++	20	org	g yb b	si cl	qte minor m p
K-1022	22	584678.8 7098492		S+	30	org	b yb	si cl	qv lim p
K-1023	23	584711.9 7098451	701	S+	40	org	b yb	si cl	qte m /s p ox
K-1024	24	584751 7098422		S+	40	org	b	cl	no rocks
K-1025	25	584791.8 7098389		S+	40	org	b	si cl	no rocks
K-1026	26	584828.2 7098356		S+	35	org	b yb ming	si cl	carb s qte m /s
K-1027	27	584865.4 7098320	703	S+	35	org	g yb	si cl	qms
K-1028	28	584905.9 7098289		S	30	org	g yb	si cl	qte ser /s bqeyes
K-1029	29	584938.7 7098249		R	25	org	b	cl	qte m /s
K-1030	30	584959.4 7098204		R	25	org	b yb	gr si cl	qte ser s oxp
K-1031	31	584995.1 7098173	709	R	25	org	yb	si cl	q ser s
K-1032	32	585006.8 7098112		R	25	org	yb	si cl	no rocks
K-1033	33	585037.5 7098071		S	20		yb	si cl	qv
K-1034	34	585069.5 7098027		S	25	org	b yb	si cl	qte bqeyes vfg b?
K-1035	35	585071.6 7097968	689	S	15	sk org	yb b	si s gr	qte ser /s srtong ser
K-1036	36	585104.6 7097924		S	25		yb	si cl	qte ser /s fgb?
K-1037	37	585148.9 7097905		S	25		yb	si cl	qte ser /s
K-1038	38	585188.5 7097861		S	30	org	b yb	si cl	qms ox
K-1039	39	585224.1 7097835	657	S	40	org	b yb	si cl	qms
K-1040	40	585259.6 7097804		S	25	org	yb minb	si cl	qte ser /s ox
K-1041	41	585291.9 7097757		S	40	org	b	si cl	no rocks
K-1042	42	585335.2 7097728		S	40	org	b yb	gr gv si cl	qte ser /s ox
K-1043	43	585378.4 7097705	621	S	20	org	b min yb	gr si cl	qte ser /s
K-1044	44	585411.3 7097681		S++	30	org	b min yb	gr cl si	qte m strong hem
K-1045	45	585450.5 7097641	573	S++>20	25	org	r yb	cl si	qte ser /s vfgb?

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	26	75	-0.1	18.4
-0.1	18	29	-0.1	8.94
-0.1	17	38	-0.1	26.7
-0.1	8	20	-0.1	5.04
-0.1	13	17	-0.1	0.98
-0.1	12	21	0.12	4.95
0.1	8	16	0.12	1.78
0.12	11	27	-0.1	12.3
0.17	12	27	0.14	6.9
0.1	7	24	0.14	5.2
0.15	7	18	0.15	5.13
0.12	14	27	0.13	3.1
0.16	11	28	0.11	6.9
0.13	12	24	0.13	5.96
-0.1	10	29	0.13	4.99
0.11	23	29	0.11	5.89
0.12	20	48	0.13	3.2
-0.1	31	43	0.14	4.28
-0.1	7	77	0.1	7.79
0.18	158	223	-0.1	4.46
0.23	176	470	0.14	6.68
0.27	147	305	-0.1	2.11
0.24	44	137	0.12	4.46
0.34	138	285	-0.1	9.31
0.48	93	352	0.14	4.35
0.29	97	118	0.12	3.75
-0.1	32	41	0.15	2.96
-0.1	18	29	0.12	7.53
-0.1	15	32	0.15	1.87
-0.1	13	19	0.13	4.15
0.22	9	39	-0.1	14.9
-0.1	13	19	-0.1	8.85
-0.1	17	87	0.13	6.54
0.2	3	1260	0.12	20.9
0.57	13	701	0.12	22
-0.1	1	112	0.11	1.44
0.2	5	530	-0.1	13.3
-0.1	11	144	0.11	7.36
-0.1	9	61	-0.1	0.4
-0.1	82	269	-0.1	2.95
0.13	41	73	0.11	5.78
-0.1	4	104	-0.1	6.59
-0.1	4	191	0.13	12.3

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

K-1010
 K-1046 dupl of K-1010

 K-1020
 K-1047 dupl of K-1020

 K-1030
 K-1048 dupl of K-1030

 K-1040
 K-1049 dupl of K-1040

 K-1010
 DUP-K-1010

 K-1022
 DUP-K-1022

 K-1034
 DUP-K-1034

 K-1046
 DUP-K-1046

Au	Co	Ni	Pd	Ag
0.12	11	27	-0.1	12.3
-0.1	9	19	-0.1	11.1
-0.1	31	43	0.14	4.28
0.12	31	72	-0.1	6.61
-0.1	18	29	0.12	7.53
-0.1	12	39	-0.1	5
-0.1	11	144	0.11	7.36
0.2	118	416	-0.1	2.32
0.12	11	27	-0.1	12.3
-0.1	10	23	-0.1	10.6
0.18	158	223	-0.1	4.46
0.15	138	203	-0.1	4.14
-0.1	13	19	-0.1	8.85
-0.1	11	17	-0.1	8.37
-0.1	9	19	-0.1	11.1
-0.1	7	17	0.13	10.8

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 21		GRAND FORKS 1:50,000 115-0/14										Analysis Unit	ppb	ppb	ppb	ppb	ppb
		Sampled: 24-Jul-00			By: pl sj							Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): 50															
K-0553	111553	592004	7094200	796	S++	15		rb	si cl	qte m p / s	A		-0.1	6	12	-0.1	1.04
K-0554	111	592054.4	7094184		S++	15		g rb	si cl	qte m p / s	AB		-0.1	3	29	-0.1	1.82
K-0555	112	592093.9	7094164		S++	15		g rb	si cl	qte m p / s	B		-0.1	4	16	-0.1	2.47
K-0556	113	592139.2	7094143		S++	15		g ob	si cl	qte m p / s	B		-0.1	3	20	-0.1	0.51
K-0557	114	592186.5	7094117	830	S++	15	org	g ob	si cl	qte m s p lim	B		-0.1	4	31	-0.1	3.46
K-0558	115	592235.7	7094098		S++	25	org	g ob	si cl	qte m s ox	B		-0.1	5	33	-0.1	0.45
K-0559	116	592276.2	7094071		S++	20		gb ob	si cl	qte m s ox	B		0.59	10	21	-0.1	2.34
K-0560	117	592322.5	7094045		S++	15	org	b yb	si cl	qte m s ox	B		0.27	9	13	-0.1	1.77
K-0561	118	592361.6	7094021	808	S++	50	org	gb	si cl	qte m s ox	many org poor A		0.23	27	32	0.11	5.14
K-0562	119	592404	7093999		S++	15	oo	b yb	si cl	qms	B		0.2	14	27	-0.1	1.68
K-0563	120	592448.2	7093981		S++	20		yb	gr si cl	qm sp	B		0.15	6	12	0.1	5.65
K-0564	121	592495.2	7093964		S++	20	sk	yb	gr si cl	qms	B		0.12	48	17	-0.1	3.67
K-0565	122	592537.8	7093939	776	>20	20		yb	si cl	qm sp	B		0.18	20	21	-0.1	5.02
K-0566	123	592583.5	7093922		>20	20	W	yb	si cl	qte m p lim	B		0.24	30	39	-0.1	8.03
	124	no sample here			due	to	creek	bottom									
K-0567	125	592666.3	7093887		25	20	W org	b	si cl	qms	A		0.14	22	24	0.1	1.63
K-0568	126	592704.5	7093865	772	25	35	W org	yb b	si cl gr	qte m / s p	AB		-0.1	24	19	-0.1	1.32
K-0569	127	592755.6	7093845		25	30	W org	b	si cl gr	qms	A		-0.1	29	32	-0.1	1.28
K-0570	128	592796	7093830		S++	35	W org	b yb	gr si cl	qms	AB		0.31	65	35	-0.1	3.96
K-0571	129	592839.5	7093809		S++	30	W	b	gr si cl	qms lim	A		-0.1	17	20	-0.1	3.96
K-0572	130	592883.9	7093793	826	S++	45	W org	b	gr si cl	qms very small rocks	A		-0.1	18	20	-0.1	1.72
K-0573	131	592926.8	7093774		S++	15		yb	gr si cl	qms p	B		0.3	82	179	-0.1	7.05
K-0574	132	592972.3	7093747		S++	15	sk org	b	gr si cl	qte m / s	A		-0.1	20	16	-0.1	4.27
K-0575	133	593015	7093733		S++	30	W org	yb	gr si cl	qte m / s p	B		0.34	35	117	-0.1	2.37
K-0576	134	593062.5	7093710	841	S++	15	sk org	ob	gr si cl	qms	B		0.32	4	8	-0.1	1.16
K-0577	135	593108.8	7093691		S++	20		yb	gr si cl	qte ser lim p	B		0.12	8	10	-0.1	2.91
K-0578	136	593151.5	7093670		S++	25	org	gb yb	gv si cl	qte minor m lim parallel	to foliation AB		-0.1	10	14	-0.1	1.89
K-0579	137	593194.5	7093650		S++	15	sk org	yb	gr si cl	qte ser lim parallel	to foliation B		-0.1	4	10	-0.1	4.8
K-0580	138	593236.2	7093635	806	S++	15	sk org	yb	gr si cl	qte m / s	B		-0.1	4	5	-0.1	4.64
K-0581	139	593278	7093607		S++	25		yb	si cl	qte minor ser qv	lots of big rocks B		0.14	9	17	-0.1	3.68
K-0582	140	593320	7093592		S++	15	org	b	gr si cl	qte minor ser lim par...	to foliation A		-0.1	15	16	-0.1	6.39
K-0583	141	593367.7	7093570		S++	25	org	b yb	si cl	qte minor ser lim par...	to foliation AB		0.25	17	32	-0.1	3.88
K-0584	142	593413.1	7093550	757	S++	15	W	yb	si cl	qte 3% p	B		0.28	21	19	-0.1	5.88
K-0585	143	593457.2	7093523		S++	30	W	yb	si cl	qms very small rocks	B		0.72	17	66	-0.1	4.6
eo1 K-0586	144586	593498.2	7093507	719	S++	25		b	cl si	no rocks	A		0.39	44	33	-0.1	2.32
K-0560													0.27	9	13	-0.1	1.77
K-0587 duplicate	K-0560												0.14	7	6	-0.1	0.89
K-0570													0.31	65	35	-0.1	3.96
K-0588 duplicate	K-0570												0.32	55	38	-0.1	2.69
K-0580													-0.1	4	5	-0.1	4.64
K-0589 duplicate	K-0580												0.11	4	10	-0.1	3.34
K-563													0.15	6	12	0.1	5.65
DUP-K-563													-0.1	5	15	-0.1	4.87
K-575													0.34	35	117	-0.1	2.37
DUP-K-575													0.52	40	144	-0.1	2.09

Peter' Comments

mostly consistent sampling - rock varied little but seemed very siliceous close to the east arm up Hester near end of line. Many large (> 10cm) rock under moss throughout line

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 22		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 28-Jul-00		By: pl, sj							
		Sample Interval (m): 50									
K-0609	165609	592 300	7094 603	787	S	15	org	g rb b	si cl	qte m / s	B minor A
K-0610	165	592354.5	7094580		S	15		yb g	si cl	qte m / s	B minor A
K-0611	166	592392.9	7094562		S	15	org	g yb	si cl	qms lim	A B
K-0612	167	592438	7094540		S+	15		ob	si cl	q bandid	B
K-0613	168	592475	7094531	776	S+	15		rb	si cl	q bandid / p	B
K-0614	169	592533.4	7094502		S+	15	org	rb	si cl	qms ox	B
K-0615	170	592572.3	7094486		S+	20	org	b ob	si cl	qte / s m	A B 5% lim p spots
K-0616	171	592612.1	7094481		S++	15	org	rb	si cl	qte / s hem	B
K-0617	172	592650.9	7094458	737	S++	25		yb	gr si cl	qtem / s lim	B
K-0618	173	592685	7094425		S++	20		ob	si cl	qte ser / s	B
K-0619	174	592733.6	7094409		S++	20		yb	gr si cl	qms lim	B
K-0620	175	592773	7094392		S++	20	org	ob	si cl	no rock	B
K-0621	176	592816.8	7094378	649	S++	20		yb	si cl	qms	B
K-0622	177	592860.8	7094359		S++	15		yb	si cl	qms lim	B
	178	no sample	due to creek		&	too	steep				
K-0623	179	592937.9	7094328		>20	50	W org	gb	gr si cl	qte /ms	B
K-0624	180	592984.5	7094317	n/a	>20	30	F org	b	lots hummus cl		min A frozen poor
K-0625	181	593032.2	7094304		S++	30	org	b	si cl	qms	A minor B
K-0626	182	593075.8	7094288		S++	30	org	b yb	si cl	qms	AB
K-0627	183	593121.1	7094277		S++	25		yb	si cl	qms p lim	B
K-0628	184	593170.1	7094254	734	S++	20	W org	yb	si cl	qms	B
K-0629	185	593219.6	7094234		S++	40	org	b	si cl	qte m p lim / s	A boulders un moss
K-0630	186	593262.2	7094207		S++	20	org	yb	si cl	qms ox bandid q	boulder field B
K-0631	187	593301.9	7094192		S++	20	sk org	b	si cl	bandid q	A
K-0632	188	593347.8	7094167	722	S++	25	org	b	si cl	qte m p ox	A
K-0633	189	593393.5	7094153		S++	20	W	b yb	gr si cl	qte m / s	A B
K-0634	190	593433.6	7094130		S++	30	org	b yb	si cl	qms	A B
K-0635	191	593481.1	7094113		S++	35		b	si cl	qms lim	boulder fieldA
K-0636	192	593529.6	7094093	669	S++	25	sk org	b yb	si cl	folded (f) bandid rhyolitic	tuff , crystal tuff AB
K-0637	193637	593564.3	7094066	656	S++	25	W org	b	si cl	qte m / s tuff?	A
K-0613											
K-0638 for		k-0613									
K-0620											
K-0639 for		K-0620									
K-0630											
K-0640 for		K-0630									
K-0609											
DUP-K-0609											
K-0621											
DUP-K-0621											
K-0633											
DUP-K-0633											

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	10	14	-0.1	1.22
-0.1	7	12	0.1	1.35
-0.1	5	15	0.15	1.66
-0.1	4	11	0.12	6.57
-0.1	9	10	-0.1	11.7
-0.1	7	13	0.1	4.04
0.36	6	27	-0.1	44.9
0.17	8	13	-0.1	9.69
-0.1	3	11	-0.1	2.38
-0.1	5	10	-0.1	1.57
-0.1	6	11	0.11	3.46
-0.1	7	17	-0.1	3.61
0.11	11	20	-0.1	3.24
0.11	21	22	-0.1	3.56
-0.1	39	39	-0.1	5.42
-0.1	16	34	0.1	0.53
0.16	46	57	-0.1	1.69
0.19	54	45	0.15	4.55
0.42	24	105	0.14	3.7
0.41	31	43	-0.1	6.01
-0.1	14	17	0.12	3.49
-0.1	6	12	0.11	1.91
-0.1	10	16	0.11	1.06
-0.1	9	15	-0.1	2.58
-0.1	5	13	-0.1	1.85
0.16	8	21	0.14	1.17
0.19	7	23	-0.1	0.75
-0.1	9	13	0.12	5.9
0.2	13	23	0.11	1.25
-0.1	9	10	-0.1	11.7
-0.1	11	10	-0.1	12.6
-0.1	7	17	-0.1	3.61
-0.1	11	18	-0.1	2.39
-0.1	6	12	0.11	1.91
-0.1	7	12	-0.1	1.4
-0.1	10	14	-0.1	1.22
0.12	10	16	-0.1	1.31
0.11	11	20	-0.1	3.24
0.1	10	20	-0.1	3.15
-0.1	5	13	-0.1	1.85
-0.1	5	13	-0.1	1.62

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

TRAVERSE 23 GRAND FORKS 1:50,000 115-0/14

Sampled: 02-Aug-00 By: PL SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0675	223675	592747	7093197	958	R	15		y b	si cl	qms ox	B	
K-0676	223	592767.4	7093246		R	15	org	g yb	si cl	qte m / s	AB	
K-0677	224	592790.8	7093289		R	20		g yb	si cl	æ m / s lim	AB	
K-0678	225	592813	7093339		S+	25	org	rb	si cl	qte bandid	B	
K-0679	226	592836	7093381	920	S+	20		rb	si cl	qte m / s i	phenocrysts	
K-0680	227	592857.8	7093424		S++	20	org	g yb	gr si cl	qte ox qfp	A B	
K-0681	228	592875.3	7093472		S++	30	org	y b	si cl	weakly fol p	B	
K-0682	229	592888.3	7093512		S++	30		y b	si cl	qfp lim p	B	
K-0683	230	592910.6	7093557	876	S++	25		b min yb	si cl	qms qv	q has 2 fabrics	
K-0684	231	592927.8	7093606		S++	15		y b	si cl gr	qms qv	B	
K-0685	232	592946.2	7093652		S++	25		y b	si cl	did qte rhyt	crystal tuff p	
K-0686	233	592958.5	7093698		S++	30		y b min b	si cl	indid qte q	A minor B	
K-0687	234	592975	7093746	842	S++	30	sk	rb	cl si gr	æ / s p ox i	B	
K-0688	235	592996.8	7093788		S++	35	W org	gb	si cl gv	qte qfp per	many spring runoff	
K-0689	236	593013.5	7093830		S++	30	W	y b	si cl	qte / s p	moss thick	
K-0690	237	593029.4	7093878		S++	65	minor org	y b	si cl	æ / qms folc	poor sam	
K-0691	238	593048.3	7093924	809	S++	60	F org	b min yb	si cl	qte / ser æ	poor sam	
K-0692	239	593068.1	7093965		S++	30		b	si cl	n qfp non	A	
K-0693	240	593084.8	7094013		S++	40		b	si cl	no rocks	A	
K-0694	241	593104.5	7094057		S++	25	sk	b min yb	si cl	rhyolitic qt	A minor B	
K-0695	242	593118.1	7094093	763	S++	25	org	y b	si cl	qms lim	B	
K-0696	243	593131	7094147		S++	40		y b	gr si cl	ol qte lim(f	B	
K-0697	244	593151.3	7094190		S++	30		y b	si cl	qte / qms	B	
K-0698	245	593168.6	7094236		S++	40	org	y b	si cl	qms / qte	B	
K-0699	246	593176.7	7094263	729	S++	30		b	si cl	qms	A	
K-0700	247	593206.3	7094326		S++	40	W org	y b	si cl	no rocks	B	
K-0701	248	593226.3	7094371		S++	35	org	y b	si cl	qms / qte	B	
K-0702	249	593245.1	7094411		S++	35		g yb	si cl	qms	AB	
K-0703	250	593266.9	7094456	680	S++	35	org	y b	si cl gr	qms	B	
K-0704	251	593293.1	7094501		S++	40	org	b gb	si cl	carb qte	AB	
K-0705	252	593308	7094548		S++	45	sk W	y b	si cl gr	ærb qte / qr	B	
K-0706	253	593322.1	7094587	642	S++	30	sk	gb	gv si cl gr	ærb qte / qr	B	

-0.1	2	5	-0.1	1.83
-0.1	2	7	-0.1	3.15
0.21	33	69	-0.1	3.93
0.18	139	109	-0.1	5.51
-0.1	10	16	-0.1	1.56
0.16	15	29	-0.1	2.43
0.2	6	10	-0.1	2.19
0.23	7	11	-0.1	2.52
0.16	13	23	-0.1	2.67
0.22	15	27	-0.1	3.2
0.25	52	194	-0.1	39.6
0.2	76	223	-0.1	32.3

Comments:
Rocks were very siliceous throughout most of the traverse. What was identified as ox q qfp may have been thick bands of the rhyolitic banded crystal tuff as was encountered in line 22. This is actually part of the qtz musc shist/ qte, but the protolith is obvious. Also sampled part of this unit with Galena?

K-0681
DUP-K-0681

K-0693
DUP-K-0693

K-0705
DUP-K-0705

SAMPLE No	GPS W'PT	UTM COORDS		ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	3993
TRaverse 23(-80)		GRAND FORKS 1:50,000 115-0/14											
		Sampled: 02-Aug-00			By: PL SJ							Analysis Unit	Au
		Sample Interval (m): 50											ppb
K-0675	223675	592747	7093197	958	R	15		yb	si cl	qms ox	B		<1
K-0676	223	592767.4	7093246.3		R	20		yb	si cl	qte m / s	AB		4
K-0677	224	592790.8	7093288.8		R	25		yb	si cl	qte m / s lim (p)	AB		<1
K-0678	225	592813	7093339.1		S+	30	org	rb	si cl	qte bandid p	B		2
K-0679	226	592836	7093380.5	920	S+	25		rb	si cl	qte m / s q	phenocrysts		10
K-0680	227	592857.8	7093423.6		S++	30	org	rb	gr si cl	qte ox qfp ?	A B		<1
K-0681	228	592875.3	7093472		S++	35		yb	si cl	qfp weakly fol p (lim	B		5
K-0682	229	592888.3	7093512.4		S++	35		yb	si cl	qfp lim p	B		3
K-0683	230	592910.6	7093556.7	876	S++	30		yb	si cl	qms qv	q has 2 fabrics		2
K-0684	231	592927.8	7093606.3		S++	15		yb	si cl gr	qms qv	B		<1
K-0685	232	592946.2	7093652.3		S++	30		yb	si cl	bandid qte rhyolitic	crystal tuff p		1
K-0686	233	592958.5	7093697.5		S++	30		yb min b	si cl	bandid qte qms	A minor B		11
K-0687	234	592975	7093745.8	842	S++	30	sk	rb	cl si gr	qte /s p ox mc	B		2
K-0688	235	592996.8	7093787.8		S++	40	W org	gb	si cl gv	ms qte qfp perv Gr	many spring runoff		11
K-0689	236	593013.5	7093829.5		S++	30	W	yb	si cl	qte / s p	moss thick		2
K-0690	237	593029.4	7093877.9		S++	65	minor org	yb	si cl	qte / qms folded	poor sam		2
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		6
K-0693	240	593084.8	7094012.9		S++	40		b	si cl	no rocks	A		4
K-0694	241	593104.5	7094057.1		S++	40	sk	b	si cl	ndid rhyolitic qte q	A		3
K-0695	242	593118.1	7094093.4	763	S++	30		yb	si cl	qms lim	B		6
K-0696	243	593131	7094147		S++	50		yb	gr si cl	fol qte lim(p)	B		4
K-0697	244	593151.3	7094190.1		S++	30		yb	si cl	qte / qms p	B		4
K-0698	245	593168.6	7094235.5		S++	50	org	yb	si cl	qms / qte p	B		7
K-0699	246	593176.7	7094262.6	729	S++	40		b	si cl	qms	A		5
K-0700	247	593206.3	7094326.3		S++	40	W org	yb	si cl	no rocks	B		3
K-0701	248	593226.3	7094370.6		S++	35	org	yb	si cl	qms / qte	B		2
K-0702	249	593245.1	7094410.6		S++	40		yb	si cl	qms	AB		4
K-0703	250	593266.9	7094455.5	680	S++	40	org	yb	si cl gr	qms	B		18
K-0704	251	593293.1	7094501.2		S++	55	org	gb	si cl	carb qte	AB		4
K-0705	252	593308	7094547.7		S++	45	sk W	yb	si cl gr	carb qte / qms	B		5
K-0706	253	593322.1	7094587	642	S++ 30	30	sk	gb	gv si cl gr	carb qte / qms	B		5

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

TRAVERSE 24 GRAND FORKS 1:50,000 115-0/14

Sampled: 20-Jul-00

By: PL SJ

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0641	194641	593102	7095155	723	R	15	SK	ob	si cl	qms minor c	B
K-0642	194	593146.3	7095132		R	20		yb	si cl	qms minor c	B
K-0643	195	593191.1	7095117.2		S	20		yb	si cl	qms	B
K-0644	196	593232.9	7095092.7		S	20		b gb	si cl	q band carb s	A B
K-0645	197	593275.9	7095070.1	688	S	20		b yb	si cl	carb qte	A B
K-0646	198	593317.8	7095046.2		S	25		yb	si cl	qms minor c p	B
K-0647	199	593354.2	7095026.9		S+	20		b	si cl	qms p	A
K-0648	200	593407	7095009.4		S+	25		b	si cl	no rocks	A
K-0649	201	593454.7	7094988.1	628	S++	25		gb b	gr si cl	carb s	A B
K-0650	202	593489.2	7094967.6		S++	20		g yb	gr si cl	qms carb	A B
K-0651	203	593525.9	7094945.4		S++	25	org	gb	si cl gr	carb s	B
K-0652	204	593568.1	7094939.4		S++	25	org	black	cl	no rocks	black mud A
K-0653	205	593606.8	7094911.9	576	S	30	org	bl yb	gr si cl	qms	just before valley
K-0654	206	593655.6	7094878.7		S	25	org	yb	si cl	no rocks	other side creek
K-0655	207	593691.2	7094858.2		S++	35	PF org	b yb	si cl	ox qms	A B
K-0656	208	593731.2	7094846.8		S++	35	org	b yb	si cl	no rocks	A B
K-0657	209	593779.4	7094833.3	622	S++	40	org	b yb	si cl	qms	A minor B
K-0658	210	593822.1	7094813.1		S++	40	W	yb	si cl	qms lim	B
K-0659	211	593860.2	7094803.5		S++	35	PF W	yb	si cl	carb s	B
K-0660	212	593903.5	7094781.4		S++	40	minor org	yb gb	si cl	qms carb qte	B minor A
K-0661	213	593944.5	7094753.4	674	S++	15		yb	si cl	qms p	B
K-0662	214	593992.5	7094732.1		S+	15		yb	si cl	qms	B
K-0663	215	594029.8	7094713.5		S+	20		yb	si cl	qms p	B
K-0664	216	594084.8	7094703.2		S+	30	org	b yb	si cl	qms	boulders un moss
K-0665	217	594122.7	7094685.8	690	S++	15		yb	si cl	qms	B
K-0666	218	594165	7094658.3		S++	20		yb	si cl	qms	B
K-0667	219	594204.6	7094637.4		S++	25		yb	si cl	qms	B
K-0668	220	594245.3	7094603.9		S++	20		yb	gv si cl	qms	B
K-0669	221	594285.8	7094586	658	S++	45		b yb	si cl	no rocks	steep drop AB
K-0670	222	594340.8	7094556.6	635	S++	25	org	yb	si cl	qms	by creek B

K-0641
K-0671 for K-0641

K-0650
K-0672 for K-0650

K-0660
K-0673 for K-0660

K-0670
K-0674

K-0645
DUP-K-0645

K-0657
DUP-K-0657

K-0669
DUP-K-0669

COMMENTS:
ROCK VARIED LITTLE. MOSTLY qms WITH SOME
CARBONACEOUS SCHIST. PART OF NASSINA

-0.1	15	12	-0.1	14.1
-0.1	11	13	-0.1	8.55
0.11	4	172	-0.1	21.8
0.11	3	173	0.1	21.1
0.52	130	498	-0.1	8.39
0.57	110	458	0.14	12.2
0.53	38	50	-0.1	8.04
0.51	39	62	-0.1	9.85
0.13	1	100	-0.1	28.3
0.12	1	89	-0.1	31.5
0.11	39	62	-0.1	2.4
0.1	32	54	-0.1	2
0.1	20	22	-0.1	3.22
0.12	20	24	-0.1	3.88

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

TRAVERSE 25a GRAND FORKS 1:50,000 115-0/14

Sampled: 07-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.13	13	112	-0.1	8.02
0.13	11	236	0.11	40.9
-0.1	52	67	-0.1	1.88
-0.1	18	169	0.13	8.76
0.23	21	394	-0.1	21.6
-0.1	22	92	-0.1	3.95
-0.1	52	42	0.11	9.05
-0.1	33	38	-0.1	14.3
-0.1	52	42	0.11	9.05
-0.1	33	32	0.13	2.92
-0.1	52	67	-0.1	1.88
-0.1	59	70	0.1	1.64

K - 1144	1144	581024	7099058	465	S++	20	org	y b min	si cl	ox s	
K - 1145	1145	580986	7099085		S++	20	org	y b	si cl	3 / s tiny chips	
K - 1146	1146	580953	7099105		S++	20	org	y b	si cl	3 m carb/s lim	
K - 1147	1147	580905	7099148		S++	25	org	y b	si cl	ser /s bq e	myolitic
K - 1148	1148	580863	7099173	492	S++	25	org	y b	si cl	qte ser /s	
K - 1149	1149	580838	7099210		S+	25	org	ob	si cl	ocks all alt	oldtimers pit
K - 1150	1150	580790	7099242		R	20	org	y b	gr si cl	qte ser /s	
K - 1151	1151	580756	7099262	494	R	20	org	y b	si cl	ser /s bq e	weathered

K - 1150

K - 1152 dupl of K - 1150

COMMENTS:

Rocks similar throughout other than minor carbonaceous shist.

K 1146
DUP-K 1146

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au	Co	Ni	Pd	Ag
TRAVERSE 25b		GRAND FORKS 1:50,000	115-0/14									Analysis Unit	MMI-B ppb	MMI-B ppb	MMI-B ppb	MMI-B ppb	MMI-B ppb
		Sampled: 07-Sep-00		By: pl sj								Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): 50															
K - 1129	1129	581149	7097550	500	S++	15	org	yb	gr si cl	q ser s			0.5	2	158	-0.1	23.7
K - 1130	1130	581106	7097594		S++	20	org	b	si cl	q ser s lath like lim b?	mineralsubpar to fol		0.43	31	51	-0.1	1.21
K - 1131	1131	581061	7097617		S++	25	org	yb	si cl	q ser s lath like lim			-0.1	3	119	-0.1	3.47
K - 1132	1132	581048	7097670		S++	25	org	yb	si cl	qmc??? s	intermediate volcanic		-0.1	7	44	-0.1	4.04
K - 1133	1133	581042	7097717	552	R	25	org	yb	si cl	qmc? s			-0.1	9	26	-0.1	8.09
K - 1134	1134	580991	7097777		R	30	org	b yb	si cl	q ser s lim blebs /laths			0.87	22	36	0.15	9.88
K - 1135	1135	580963	7097796		R	30	org	g yb	si cl	qte ser /s			0.14	12	35	-0.1	4.04
K - 1136	1136	580931	7097820		S	20	org	b yb	si cl	qte ser /s	lim blebs jointed		0.71	31	35	0.12	7.89
K - 1137	1137	580961	7097804	543	S	25	org	b yb	si cl	qv lim			0.2	47	47	-0.1	6.23
K - 1138	1138	580925	7097864		S	25	org	gb yb	si cl	qte ser /s			0.24	73	240	-0.1	4.19
K - 1139	1139	580909	7097891		S	20	w org	b yb	si cl	qms			0.37	117	263	-0.1	4.52
K - 1140	1140	580867	7098022		S	25	org	yb	si cl	qv			0.27	124	172	-0.1	2.46
K - 1141	1141	580868	7098009	534	S	25	org	b yb	si cl	qv lim			0.22	199	300	-0.1	3.57
K - 1130											COMMENTS:		0.43	31	51	-0.1	1.21
K - 1142 dupl of		K - 1130									T Ridge top between 1134, 1133 Cat pushed up rock piles similar to QMCS mapped. These rocks are silicified and very blocky. Possibly hornfelsed		0.66	14	180	-0.1	2.37
K - 1140											Similar to rocks at mouth of queen Gulch but not biotite.		0.27	124	172	-0.1	2.46
K - 1143 dupl of		K - 1140											0.26	97	172	0.14	3.02
K 1134													0.87	22	36	0.15	9.88
DUP-K 1134													1	25	37	-0.1	9.4

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 28		GRAND FORKS 1:50,000 115-0/14										Analysis Unit	ppb	ppb	ppb	ppb	ppb
		Sampled: #####			By: pl sj							Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): 50															
K-0710	254710	581653	7094489	583	30	20	org	very dr	b	si cl	true qms	A?	-0.1	3	209	0.11	27.3
K-0711	254	581639.3	7094543		> 20	20	org	moist	rb	si cl	qms p (lim)	B	0.27	665	278	-0.1	9.93
K-0712	255	581611	7094589		> 20	25	org		rb	si cl	qms ser	B	-0.1	12	84	-0.1	18.1
K-0713	256	581601.6	7094647		S	20	org		rb	si cl	qms	B	-0.1	6	34	0.12	18.8
K-0714	257	581583.8	7094676	626	S	25	minor org		rb	si cl	qte/qms lim Mn par to fol	B	-0.1	3	22	-0.1	11
K-0715	258	581555.3	7094718		S	20	org		rb	si cl	ser / qte p ox	B	-0.1	3	34	-0.1	7.87
K-0716	259	581526	7094764		S+	20	org		rb	si cl	q ser / qte	B	-0.1	11	31	-0.1	5.08
K-0717	260	581504.3	7094800		S+	25	org		rb	si cl	q ser s	B	-0.1	4	22	-0.1	4.91
K-0718	261	581479.6	7094841	628	S+	10	lots org	b yb	gv si cl	qte ser / s qv with...	brecciated p lim Mn	B	-0.1	3	35	-0.1	4.03
K-0719	262	581454.3	7094884		S+	15	sk	yb	si cl	qte ser / s	B	B	-0.1	50	28	-0.1	3.43
K-0720	263	581431	7094931		S+	30	org	yb	si cl gr	qte / qms p	10 m past/ ditchB	B	-0.1	11	40	-0.1	6.28
K-0721	264	581407.3	7094966		S+	30	org	yb	si cl	qte 3-5% lim? P	blue q eyesB	B	-0.1	3	29	-0.1	10.3
K-0722	265	581377.4	7095011	617	S+	20	org	rb	si cl gv	qte ser / s	blue eyesB	B	-0.1	7	146	-0.1	14.2
K-0723	266	581362.4	7095055		S+	15	org	yb	si cl gv	qte ser / s	B	B	-0.1	21	30	0.11	4.65
K-0724	267	581340	7095108		S+	20	org	yb	si cl	qms	tiny rock chipsB	B	-0.1	25	42	-0.1	2.87
K-0725	268	581328.2	7095144		S+	25	org	b yb	si cl	qms lim lathlike min	perpen to folAB	B	-0.1	11	39	-0.1	17.3
K-0726	269	581311	7095188	613	S+	25	org	g yb	si cl	qte ser /s blue eyes f	phenocrystsAB	B	-0.1	18	46	-0.1	5.53
eoK-0727	270727	581289	7095234	643	S+	25	org	yb	si cl	qms	B	B	-0.1	10	23	-0.1	10.2
K-0728 for		K-0710											-0.1	4	220	-0.1	20.2
K-0729 for		K-0720											-0.1	10	30	0.12	5.44
K-0717													-0.1	4	22	-0.1	4.91
DUP-K-0717													-0.1	5	25	-0.1	5.96
K-0729													-0.1	10	30	0.12	5.44
DUP-K-0729													-0.1	9	26	-0.1	4.73

Comments:
Soil is dry & poorly developed. Rock is qms/ qte often with blue quartz eyes
May be metamorphosed or intrusive. One sample had euhedral feldspar.

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

TRAVERSE 30 GRAND FORKS 1:50,000 115-0/14

Sampled: 04-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0730	271730	582849	7095900	914	R	15		yb	si cl	qms	B	
K-0731	271	582875.1	7095852		R	15	org	gb yb	si cl	qv qms	AB	
K-0732	272	582895	7095807		R	15	org	yb	si cl	with HEM c	B	
K-0733	273	582911.1	7095763		S	20		yb	si cl	v qms / q	B	
K-0734	274	582935.3	7095715	894	S	15	org	yb	si cl	q ser s	B	
K-0735	275	582950.4	7095668		S	15	org	b	si cl	is ep p Hl	intrusive? B	
K-0736	276	582959.4	7095617		S	15		yb	si cl	qte ser p	intrusive? B	
K-0737	277	582975.4	7095580		S+	20	org	b	si cl	qfp	A	
K-0738	278	582978.4	7095534	865	S+	20	org	yb	si cl	weakly foli	B	
K-0739	279	582997.5	7095488		S+	20	org	ob	si cl	HEM ep	B	
K-0740	280	583017.1	7095444		S++	20	org	b yb	si cl	qte ser / s	AB	
K-0741	281	583042.6	7095395		S++	25	org	b yb	si cl	qte ser / p	AB	
K-0742	282	583058.5	7095351	814	S++	20	org	b	si cl	no rocks	B	
K-0743	283	583077.1	7095312		S++	25	org	b yb	si cl	ser ep? H	intrusive? Very rock	
	284	no	sample too many									
K-0744	285	583120.9	7095224		S++	20	org	b yb	si cl	qte / ser	AB	
K-0745	286	583124.5	7095171	781	S++	20	org	b yb	si cl	ser well f	AB	
K-0746	287	583137.9	7095129		S++	25	org	b	cl	qte ser fol	A	
K-0747	288	583140.4	7095086		S++	30	W	yb	si cl	ser f pheno	B.....(below)	
EOLK-0748	289	583163.8	7095044	780	S++	25	org	yb	si cl gr	ser / well fo	B	
K-0749 for K-0730												
K-0750 for K-0740												

-0.1	10	21	0.1	2.8
-0.1	10	20	-0.1	3.13

K-0730
DUP-K-0730

NOTE :

K-0747 weakly foliated , very siliceous qfp?

Major vegetation from birch canopy

to heavy moss & spruce

-0.1	20	42	-0.1	4.72
-0.1	20	42	-0.1	4.76

K-0742
DUP-K-0742

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

TRAVERSE 31 GRAND FORKS 1:50,000 115-0/14

Sampled: 2-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-1061	61	581934.1	7098093.4	718	S	25	org	yb	si cl	q m /s very rocky	dry
K-1062	62	581973.4	7098058.6		S	25	org	b yb	si cl	q m /s very rocky	
K-1063	63	582005.3	7098020.6		S	25	org	gb	gr si cl	qte m /s b qeyes	weakly lim
K-1064	64	582044	7097988.7		S+	25	org	gb yb b	si cl	qte ser /s	
K-1065	65	582084.1	7097952.1	739	S+	15		yb	si cl	no rocks	DRY
K-1066	66	582144.8	7097878.3		S++	20	sk org	rb	si cl	qte ser /smylonite ox p	very strong silicified
K-1067	67	582185.6	7097832.7		S++	20	org	yb	gr si cl	qms	
K-1068	68	582209.1	7097790.9		S++	20		rb	cl si	qms lim crenulated	
K-1069	69	582229	7097743	730	S++	25	org	yb	gr cl si	q ser /s bqeyes qv	
K-1070	70	582269.3	7097726.7		S++	25	org	b	si cl	qms ox crenulated	
K-1071	71	582305.5	7097667.9		S++	20	org	rb b	si cl	q ser /s	
K-1072	72	582346.2	7097676.1		S++	25	org	yb	si cl	q ser /s	
K-1073	73	582392.5	7097624.7	751	S++	25	org	b yb	si cl	no rocks	
K-1074	74	582413.4	7097600.1		S++	25	org	b yb	si cl	q ser /s pyrolucite	b q eyes
K-1075	75	582437.5	7097590.6		S++	25		yb	si cl	q ser /s pyrolucite	
K-1076	76	582472.7	7097539.5		S++	25	org	r yb	si cl	q ser /s lim	
K-1077	77	582510.3	7097516.6	759	S++	25	org	b yb	si cl	q ser /s lim blebs	
K-1078	78	582549.7	7097476.4		S++	20	org	b yb	si cl	q ser ox q eyes	
K-1079	79	582585.7	7097437.3		S++	25	org	b yb	si cl	q ser /s b qeyes	
K-1080	80	582622.1	7097401.1		S++	25	org	b yb	si cl	qte ser /s 20% qeyes	
K-1081	81	582657	7097364	752	S++	25		yb	gr si cl	qte ser /s 20% qeyes	lim
K-1082	82	582688	7097332.3		S++	25	sk	yb	gv si cl	ox q ser /s	
K-1083	83	582717.6	7097287.1		S++	25	org	b yb	gr si cl	ox qte qv ox	
eoK-1084	84	582750	7097253	763	S++	35	moist	yb	si cl	ox s	heavy moss

0.11	7	97	-0.1	6.69
-0.1	7	70	-0.1	5.1

K-1080
K-1086 dupl of K-1080

Comments:
Rock is strongly silicified locally & has
up to 20% q eyes locally.

K 1062
DUP-K 1062

-0.1	15	35	-0.1	1.79
-0.1	11	36	-0.1	3.23

K 1074
DUP-K 1074

-0.1	2	33	0.11	8.2
-0.1	2	30	-0.1	7.28

K 1086
DUP-K 1086

-0.1	11	36	-0.1	3.23
-0.1	13	37	-0.1	2.91

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

TRAVERSE 36 GRAND FORKS 1:50,000 115-0/14

Sampled: #####

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

K-0855	855	584834.4	7093007	951	S	20	org	yb	gv si cl	q ser s	B
K-0856	856	584875.9	7092970		S	25		yb	si cl	q ser s lim patches	p? blebsB
K-0857	857	584910.3	7092941		R	25		yb	si cl	q ser s lim patches	p? blebsB
K-0858	858	584951.4	7092910		R	25		yb	si cl	q ser s lim patches	p? blebsB
K-0859	859	584986.8	7092876	959	R	25		yb	si cl	q ser s lim patches	very strong ser
K-0860	860	585027.1	7092843		S	25	org	b yb	si cl	qte ser /s p ox	srtongly weathered
K-0861	861	585066.2	7092808		S	25	org	b yb	si cl	qte ser /s strong hem	AB
										2-3% med euهدral p	strong ser
K-0862	862	585105.3	7092779		S++	25	org	rb yb	si cl	qmcs LIM P	B
K-0863	863	585143.3	7092747	918	S++	25	org	rb b	si cl	q ser c s	crenulatedB MINA
K-0864	864	585180.6	7092710		S++	25	org	rb yb	si cl	q ser c s	BA
K-0865	865	585223.8	7092681		S++	20	org	rb	si cl	q ser s ox p	B
K-0866	866	585260.9	7092658		S++	20	org	yb	gr si cl	q ser s minor c	B
K-0867	867	585299.7	7092623	873	S++	25		b yb	si cl	q ser s	BA
K-0868	868	585328.4	7092584		S++	20	org	b yb	si cl	q ser s euهدral p	BA
K-0869	869	585369.3	7092560		S++	20	org	b yb	si cl	q ser s	BA
K-0870	870	585409.2	7092524		S++	30	org	b yb	si cl	q ser s	A MIN B
K-0871	871	585448.7	7092492	837	S++	30	org	b yb	si cl	q ser s	AB
K-0872	872	585491.8	7092456		S++	25	org	b yb	si cl	q ser s	AB
K-0873	873	585522.5	7092422		S++	20		yb	si cl	q ser s	B
K-0874	874	585565.7	7092390		S++	25		yb	si cl	q ser s	B
K-0875	875	585597.1	7092347	800	S++	25		yb	cl si	q ser s	B
K-0876	876	585631.9	7092316		S++	25	sk org	yb b	gr si cl	q ser s	B
K-0877	877	585663	7092286		S++	20		ob	si cl	q ser s lim	C
eoK-0878	878	585702.9	7092250	764	S++	20	org	yb	gr si cl	q ser s crenulated	B

0.14	8	16	-0.1	12
-0.1	10	16	0.14	14.4

0.18	12	21	-0.1	1.66
-0.1	11	20	-0.1	1.4

-0.1	6	18	-0.1	13.4
-0.1	6	19	0.15	10.9

0.17	21	29	-0.1	5.99
0.12	21	26	-0.1	4.89

K-0859
DUP-K-0859

K-0871
DUP-K-0871

COMMENTS:
In some areas sericite alteration is strong
& sulphides (limonitic blebs) can be up to 3%.

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 37											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 24-Aug-00				By: pl sj							
Sample Interval (m): 50											
K-0920	920	584096.4	7092016.9	933	R	15		yb	si cl	qte ser /s	B MIN A
K-0921	921	584141.4	7091985.3		R	15		yb	si cl	te ser /s c	B
K-0922	922	584179.6	7091953.4		R	20	org	b min yb	si cl	qte ser /s	A MIN
K-0923	923	584219	7091927.5		S	15	org	b yb	si cl	qte ser /s	AB
K-0924	924	584252.2	7091889	906	S++	15	org	b yb	si cl	qte ser /s	AB
K-0925	925	584292.6	7091863.2		S++	15	org	b yb	si cl	qv	AB
K-0926	926	584334.3	7091826.6		S++	20	org	b yb	si cl	ox s qv	AB
K-0927	927	584379.8	7091797.9		S++	15	org	b yb	si cl	ox s	AB
K-0928	928	584412.5	7091764.8	853	S++	15	org	b yb	si cl	te ser /s c	AB
K-0929	929	584444.3	7091728.5		S++	15		rb	si cl	qte ser /s	B
K-0930	930	584490.3	7091701.1		S++	15	org	b yb	si cl	qte ser /s	AB
K-0931	931	584526.9	7091668.5		S++	20	org	yb	si cl	no rocks	B
K-0932	932	584569	7091640.4	808	S++	20	org	yb	si cl	qte ser /s	B
K-0933	933	584604.1	7091607.2		S++	20	org	b yb	si cl	qte ser /s	AB
K-0934	934	584649	7091580.4		S++	20		ob	si cl	te ser /s c	B
K-0935	935	584692.4	7091551.6		S++	20		rb	si cl	qte ser /s	B
K-0936	936	584740.5	7091525.7	760	S++	15	W	yb	si cl	qv hem	B
K-0937	937	584770.8	7091501.2		S++	15		yb minb	si cl	qte ser /s	B MIN A
K-0938	938	584817.2	7091467.7		S++	15	org	b yb	gr si cl	qte ser /s	AB
K-0939	939	584853	7091429.3		S++	20	org	yb	si cl	ser /s folc	B
K-0940	940	584889.4	7091397.4	739	S++	25	org	b yb	si cl	qte ser /s	AB
K-0941	941	584939	7091380.7		S++	20	org	b yb	si cl	qte ser /s heavy moss.....	AB
K-0942	942	584976.9	7091345.3		S++	30	org	b yb	si cl	qte ser /s q	AB
K-0943	943	585008.9	7091309.6		S++	25	org	b yb	si cl	qte ser /s	AB
K-0944	944	585043.8	7091271.1	701	S++	30	org	b yb	si cl	no rocks	AB
K-0945	945	585080.3	7091245.7		S++	25	org	b yb	si cl	no rocks	A MIN B
K-0946	946	585115.1	7091204.9		S++	20	org	b yb	si cl	te ser /s c	AB
K-0947	947	585138.6	7091203.1		S++	20	org	yb	gr si cl	qte ser /s	B
K-0948	948	585169.9	7091164.6	666	S++	20	org	b yb	si cl	te ser /s c	AB
K-0949	949	585226.8	7091121.9	635	S++>20	20	org	b yb	cl si	te ser /s c	AB

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	12	-0.1	2.51
-0.1	5	9	0.12	8.77
-0.1	8	13	0.13	1.32
-0.1	7	20	-0.1	4.73
-0.1	13	11	-0.1	5.07
0.19	18	14	-0.1	7.32
-0.1	9	16	-0.1	4.04
-0.1	12	28	-0.1	13.2
0.12	23	31	-0.1	8.1
-0.1	12	26	0.11	10.7
-0.1	14	26	0.14	6.38
-0.1	8	56	-0.1	11.4
-0.1	31	37	-0.1	4.29
0.28	67	72	-0.1	2.38
-0.1	29	24	-0.1	4.55
-0.1	11	29	0.11	1.1
0.11	25	37	-0.1	1.49
0.11	30	40	-0.1	3.5
-0.1	29	36	0.1	2.86
0.1	34	76	-0.1	3.34
-0.1	47	66	-0.1	2.5
0.23	15	327	-0.1	14.1
-0.1	11	138	-0.1	7.57
0.11	85	337	-0.1	7.41
-0.1	15	137	0.12	6.77
-0.1	15	125	0.11	2.34
-0.1	13	71	-0.1	2.79
0.25	39	209	0.15	9.62
2.3	10	149	-0.1	8.95
-0.1	4	150	0.13	20.3
-0.1	11	12	-0.1	2.51
-0.1	8	12	-0.1	2.76
-0.1	14	26	0.14	6.38
-0.1	14	30	0.12	4.08
-0.1	47	66	-0.1	2.5
-0.1	42	55	-0.1	1.34
-0.1	9	16	-0.1	4.04
-0.1	10	16	-0.1	4.39
-0.1	29	36	0.1	2.86
-0.1	31	36	-0.1	2.52
-0.1	8	12	-0.1	2.76
-0.1	9	10	-0.1	2.09

COMMENTS:
Rock is constant throughout there are no
sulphides although some has weak limonite.

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

TRAVERSE 40 GRAND FORKS 1:50,000 115-0/14

Sampled: 10-Aug-00

By: PL SJ

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

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

K-0825	825	588310.3	7091500	1048	S++	20	org	b 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	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	b yb	si cl	qte ser /s p ox	
K-0830	830	588477.2	7091691.2		S++	25	org	b 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	b 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	b yb	si cl	qms	
K-0836	836	588692.2	7091901.9		S++	25	org	b	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		b 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		b 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	

K-0830

K-0852 check K-0830

K-0840

K-0853 check K-0840

K-0850

K-0854 check K-0850

Comments:

Rocks v siliceous & green at top of hill ,and white and weathered altered and more foliated and micaceous at bottom.

K-0826

DUP-K-0826

K-0838

DUP-K-0838

K-0850

DUP-K-0850

-0.1	4	13	-0.1	0.94
-0.1	11	17	0.11	0.74
-0.1	12	25	-0.1	1.31
0.15	8	34	-0.1	5.12
-0.1	40	28	-0.1	1.43
-0.1	16	21	-0.1	2.1
0.36	16	25	-0.1	7.07
0.24	16	27	-0.1	4.03
0.43	18	29	-0.1	4.48
0.41	9	15	-0.1	9.03
0.4	19	24	-0.1	1.81
0.19	20	32	-0.1	1.7
0.25	6	13	-0.1	1.59
0.73	8	28	-0.1	8.41
0.39	11	17	-0.1	4.09
0.24	10	14	-0.1	34.7
0.29	8	14	-0.1	3.71
0.29	10	21	-0.1	9.53
0.12	7	13	-0.1	1.98
-0.1	3	9	-0.1	1.03
0.52	15	17	-0.1	5.55
0.19	7	12	-0.1	3.84
0.13	9	15	-0.1	7.47
0.17	6	10	-0.1	2.48
0.16	11	23	-0.1	8.55
-0.1	6	11	-0.1	2.12
0.15	6	13	-0.1	4.55
-0.1	16	21	-0.1	2.1
-0.1	14	17	-0.1	1.32
0.24	10	14	-0.1	34.7
0.25	11	16	-0.1	49.6
-0.1	6	11	-0.1	2.12
0.11	13	17	-0.1	3.06
-0.1	11	17	0.11	0.74
-0.1	7	13	-0.1	0.61
0.73	8	28	-0.1	8.41
0.64	9	29	-0.1	7.5
-0.1	6	11	-0.1	2.12
-0.1	7	12	-0.1	2.48

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
TRAVERSE 40(-80)		GRAND FORKS 1:50,000 115-0/14										3993
		Sampled: 10-Aug-00			By: PL SJ							Au
		Sample Interval (m): 50										ppb
K-0825	825	588310.3	7091500	1048	S++	20	org	rb	si cl	qmcs	boulder field	<1
K-0826	826	588350.3	7091535.6		S++	30	org	b yb	si cl	qte ser /s p ox		<2
K-0827	827	588380.6	7091571.8		S++	25	org	yb b	si cl	qte ser /s p ox		3
K-0828	828	588412.4	7091610.4		S++	25	org	yb	si cl	qte ser /s p ox		4
K-0829	829	588443.2	7091648.3	988	S++	25	org	yb	si cl	qte ser /s p ox		3
K-0830	830	588477.2	7091691.2		S++	25	org	yb	si cl	qte ser /s p ox		13
K-0831	831	588510.3	7091740.5		S++	25	org	yb	gv si cl	qte ser /s p ox		8
K-0832	832	588546.3	7091759		S++	25	moist	yb	gr si cl	qte ser /s p ox	with q eyes	10
K-0833	833	588582.1	7091794	908	S++	25	org	yb	si cl	qte m blue q eyes	felspars?/s	20
K-0834	834	588616.5	7091832.7		S++	25	W	yb	gv si cl	qte m blue q eyes	felspars?/s	14
K-0835	835	588651.1	7091866		S++	25	moist org	yb	si cl	qms		11
K-0836	836	588692.2	7091901.9		S++	25	org	yb	si cl	qms		8
K-0837	837	588718.4	7091942	854	S++	30	org	yb	gr si cl	qms		9
K-0838	838	588746.2	7091981.7		S++	35	sk org	yb	gr cl si	qte ser /s		12
K-0839	839	588780.4	7092027.6		S++	15		yb	si cl	qms		9
K-0840	840	588798.5	7092066.4		S++	15		yb	si cl	qms		3
K-0841	841	588843.6	7092099.8	823	S++	35		yb	si cl	qms		6
K-0842	842	588875.5	7092135.5		S++	30		yb	cl si gv	qte m bandid / s ox		5
K-0843	843	588915.5	7092170.1		S++	30		yb	cl si gv	qte m/s qv		<1
K-0844	844	588958.8	7092204.2		S++	20		ob gb	si cl	no rocks		<1
K-0845	845	588989.4	7092237.4	782	S++	25		yb	gv gr cl si	qte ser /s p lim		7
K-0846	846	589022.1	7092259.9		S++	25		gb yb	si cl	qte ser /s qv		6
K-0847	847	589069.4	7092309.2		S++	25		yb	si cl	qte ser /s		13
K-0848	848	589094.8	7092339.6		S++	20		rb	gr si cl	qte ser /s		4
K-0849	849	589139.2	7092395.3	737	S++	30		yb	si cl	qte ser /s ox		7
K-0850	850	589179.7	7092433.1		S++	30	sk org	yb	si cl gr gv	qte ser /s		3
K-0851	851	589198.6	7092481.9	709	S++	20		rb	si cl	qte ser / s ox		4

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

TRAVERSE 45 GRAND FORKS 1:50,000 115-0/14

Sampled: 14-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

W- 041	41	592031.7	7090357.9	763	>20	30	org	b yb	si cl	ox meta qte	AB
W-042	42	591992.7	7090367.5		>20	25	org	b yb	si cl	qms ox	AB
W- 043	43	591953.1	7090381.2		>20	20	org	b yb	si cl	qm carb s	AB
W- 044	44	591905.1	7090447.4		>20	25	org	b yb	si cl	carb qte	AB
W- 045	45	591875.9	7090483	841	>20	25	org dry	y gb	cl si	qm carb s	B
W- 046	46	591842.6	7090513.8		S++	30		bg yb	si cl	q ser s / qte	B
W- 047	47	591805.1	7090545.6		S++	25	org	b yb	si cl	qms	AB
W- 048	48	591774.6	7090580.6		S++	25		yb	si cl	qms	B
W- 049	49	591735.4	7090607.5	897	S++	25	org	yb b	cl si	qte ser /s	AB
W- 050	50	591699.9	7090640.6		S++	30		yb	si cl	qms	B
W- 051	51	591666.3	7090665.8		S++	25		ob	si cl	qms	B
W- 052	52	591636.9	7090697.3		S++	30		yb	si cl	qms	B
W- 053	53	591592.4	7090725.4	955	S++	20		yb	si cl gr	qms / qte ox	B
W- 054	54	591551.3	7090755.2		S++	20	org	yb	si cl	qte / s	B
W- 055	55	591507.3	7090784.4	954	S++	20	org	ob	si cl	qte m /s	B

0.47	5	733	0.11	28.5
0.31	4	371	0.11	34.9
0.16	2	125	-0.1	7.6
0.17	2	187	-0.1	42.2
2	13	561	-0.1	90.2
0.12	5	17	-0.1	32.1
0.14	8	15	0.12	17.3
0.2	5	13	0.13	21.4
0.15	5	11	-0.1	9.34
0.28	5	13	0.14	20.5
0.19	4	10	0.14	9.73
0.54	4	11	-0.1	10.2
0.33	22	23	-0.1	4.45
0.35	2	12	-0.1	15.5
-0.1	1	10	0.13	17.6

W-041
W- 056 duplicate of W-041

0.47	5	733	0.11	28.5
0.55	6	975	0.14	43.4

W-050
W- 057 duplicate of W-050

0.28	5	13	0.14	20.5
0.16	6	16	-0.1	14.5

W-049
DUP-W-049

0.15	5	11	-0.1	9.34
0.17	5	10	0.11	10.8

Peter Comments
ROCK IS QUITE WEATHERED IN ALL AREAS. SILICIFIED
SCHIST
CARBONACEOUS AT LEAST IN ONE LOCATION AT BOTTOM
OF HILL
AT TOP OF HILL THERE IS A LOT OF BULL QUARTZ WITH POSSIBLE BARITE

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

TRAVERSE 46 GRAND FORKS 1:50,000 115-0/14

Sampled: 14-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

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

W-028	28	591278.8	7090172.5	847	S++	25	org	yb	gr cl si	qms	B
W-029	29	591321.1	7090130.1		S++	20	org	yb	gr cl si	qms	B
W-030	30	591369.2	7090098		S++	20	W	yb	si cl	qms	B
W-031	31	591406.2	7090066.8		S++	20	W	yb	si cl	no rocks	B
W-032	32	591438.1	7090035.9	824	S++	20	moist	yb rb	si cl	qms	THN B C
W-033	33	591483.1	7090009.7		S++	20	sk	ob	si cl	q ser s	MINB C
W-034	34	591524.4	7089982.9		S++	25		light grey	si cl	q ser s	COMMENTS
W-035	35	591565.4	7089951.7		S++	25	org	yb	gr cl si	q ser s	B
W-036	36	591606	7089930.8	770	S++	25	org	yb	gr cl si	no rocks	B
W-037	37	591647.1	7089899.7		S++	25	org	gb	gr cl si	q carb s	B
W-038	38	591687.9	7089866.3		>20	25	dry	yb	cl si gr	qv qms	B
W-039	39	591724.8	7089836.2	727	>20	40	org	b yb	si cl	qms c?	tiny chipsA MINB

W-030

W-040 duplicate of

W-030

W-037
DUP-W-037

Peter Comments
Weathered rocks. All silicified qtz musc / ser schist
with some carbonaceous schist at bottom of hill.

0.12	3	16	-0.1	8.36
-0.1	6	17	0.15	11.1
0.8	15	443	-0.1	51.5
0.94	11	476	0.14	59.6

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

TRAVERSE 47 GRAND FORKS 1:50,000 115-0/14

Sampled: 15-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code

Analysis Unit

Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.13	15	60	-0.1	11.9
0.16	4	22	-0.1	7.3
-0.1	10	37	0.11	24.9
0.22	44	34	-0.1	8.51
-0.1	7	38	0.14	78.2
-0.1	22	23	0.13	27.3
0.11	1	99	-0.1	7.43
0.13	10	106	-0.1	74.6
-0.1	3	152	-0.1	48.4
-0.1	2	88	-0.1	25
-0.1	8	21	0.11	9.74
-0.1	27	28	0.14	11.5
-0.1	3	11	0.14	20.9
-0.1	8	13	0.11	14.7
-0.1	3	10	0.13	4.24
-0.1	5	15	-0.1	7.23
-0.1	22	23	0.13	27.3
0.15	17	19	-0.1	19.3
-0.1	5	15	-0.1	7.23
0.14	6	16	-0.1	11.1
-0.1	8	21	0.11	9.74
0.11	7	22	0.14	8.83

W - 080

W-091 duplicate of

W - 080

Comments:

There must be a granodiorite dyke running between lines 47 48

since the g'dte occurrence is thin. What is mapped as

metaqte may represent a chill zone. Bottom of hill has poor

GPS response. This is why sample interval is not consistent locally.

Hip chain was used subsequently.

W-090

W-092 duplicate of

W-090

W-085

DUP-W-085

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

TRAVERSE 48 GRAND FORKS 1:50,000 115-0/14

Sampled: 15-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au MMI-B ppb 0.1	Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
0.25	3	21	-0.1	108
-0.1	3	27	0.14	25.5
0.56	2	114	-0.1	13.6
0.22	1	322	-0.1	33.4
0.16	6	106	0.11	45
0.33	8	124	-0.1	45.4
0.22	6	101	-0.1	30
0.19	9	31	-0.1	14.3
0.26	3	48	-0.1	18.2
0.59	2	444	0.14	30.8
0.14	21	133	-0.1	33
0.14	14	22	-0.1	17
0.27	2	222	-0.1	40.6
-0.1	2	50	-0.1	1.81
0.28	2	422	-0.1	18.2
0.56	2	114	-0.1	13.6
0.49	2	133	0.12	10.9
2	222	-0.1	40.6	
0.31	3	194	-0.1	31
0.22	1	322	-0.1	33.4
0.2	2	340	0.12	39.5
0.49	2	133	0.12	10.9
0.65	2	133	0.12	13.4

W-058	58	592857.7	7089647.2	930	S+	20	org	rb b	si cl	no rocks	B MIN A
W-059	59	592895.4	7089608.2		S++	15	org	rb yb	si cl	q c s ox	B
W-060	60	592932.8	7089571.8		S++	20	org	b yb	si cl	qv carb qte	AB
W-061	61	592973.4	7089543.6		S++	20	org	b yb	si cl	qms	AB
W-062	62	593012	7089510.6	905	S++	25	org	b yb	gr si cl	qcs	B MIN A
W-063	63	593056.8	7089476		S++	30	org	greenb b	gr si cl	qcs	C? MIN A
W-064	64	593093.1	7089450.4		S++	20		yb	si cl	qcs magnetite	B
W-065	65	593134.1	7089407.9		S++	20	org	yb	si cl	qcs	B
W-066	66	593167.6	7089380.1	841	S++	25		rb	si cl	meta qte?	B
W-067	67	593221.7	7089332.7		S++	25	org	b yb	si cl	granodite phyroxene ox	qf fine/med grained megnatite
W-068	68	593238.4	7089308.1		S++	20	org	yb	si cl	granodite phyroxene ox	qf fine/med grained megnatite
W-069	69	593291	7089239.6		S++	20	org	yb	si cl	granodite phyroxene ox	qf fine/med grained on top of ground cs megnatite B
W-070	70	593314	7089229	GPS unreli	S++	20	org	b yb	si cl	qcs	AB
W-071	71	593337.2	7089202.1		S++	20	org	b yb	si cl	no rocks	AB
W-072	72	593386	7089161	775	S++	25	org	b ob	si cl	granodite phyroxene ox	qf fine/med grained
W -060										AB	megnatite
W-073 duplicate of			W -060								
W-070											0.27
W-074 duplicate of			W-070								

SEE COMMENTS FOR LINE 47

W-061
DUP-W-061

W-073
DUP-W-073

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 50		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 28-Aug-00			By: pl sj						
		Sample Interval (m): 50									
K-0953	953	590953.3	7094471	555	S	15	org	yb	gr s si	qv	
K-0954	954	590901.5	7094473.1		S	15	org	b yb	gr si cl	no rocks	
K-0955	955	590852.3	7094472.8		S	15	org	b yb	gr s si	qms ox	
K-0956	956	590801.4	7094479.7		S	15	org	b yb	gr s si	qms ox	
K-0957	957	590753.8	7094478.9	576	S	15	org	b yb	gr s si	qms qv p	
K-0958	958	590701.3	7094478.6		S	15	org	b yb	gr s si	qv ox s	
K-0959	959	590646.6	7094479.4		S+	15	org	b yb	gr cl si	qms ox	
K-0960	960	590602.3	7094473.3		S+	25	org	b yb	gr si cl		
K-0961	961	590551.2	7094468.3	624	S+	25		yb	si cl	qv qms ox	
K-0962	962	590505	7094484.3		S+	25		yb min b	si cl	qv ox ?	
K-0963	963	590449.9	7094500		S+	20	org	yb	gr si cl	qte m /s	
K-0964	964	590396.9	7094488.9		S+	25	org	yb	si cl	qte ox	
K-0965	965	590348.8	7094486.3	655	S	35	org	g yb	si cl	no rocks	heavy moss
K-0966	966	590301.5	7094495.7		S	25	org	g yb	si cl	ox s	
K-0967	967	590249.7	7094479.9		S+	20	org	g yb	gr si cl	qms	
K-0968	968	590199.2	7094471.8		S+	25	org	g yb	si cl	qte m/s ox	
K-0969	969	590148.6	7094476.4	683	S+	15		yb	si cl	qms	
K-0970	970	590101.9	7094473.8		S+	30	org	yb	si cl	qms qv	
K-0971	971	590052.3	7094477.8		S+	20	org	yb	si cl	qms ox	
K-0972	972	589997.8	7094472.6		S+	20	org	yb	gr cl si	qms qv p	
K-0973	973	589950.5	7094464.7	729	S+	20	org	yb	si cl	q ser /s	
K-0974	974	589900.3	7094445.9		S+	20	org	gb b	si cl	qte ser /s	
K-0975	975	589847.2	7094437.8		S+	15	org	b yb	gr si cl	qms ox	
K-0976	976	589796.6	7094441.1		S+	20	org	b minyb	gr si cl	qte ser/s	
K-0977	977	589748.7	7094433.1	754	S+	20		yb	gr gv si cl	qte ser/s	
K-0978	978	589700.2	7094439.5		S+	20		yb	gr si cl	qte ser/s	bleached
K-0979	979	589652.7	7094435.2		S++	20		yb	si cl	qte ser/s	
K-0980	980	589599.6	7094436		S++	20	org	b yb	si cl	qte ser/s	
K-0981	981	589552.1	7094433.5	787	S++	25	org	g yb	gv si cl	qm carb s	
K-0982	982	589501.8	7094454.8		S++	20	org	yb	s cl si	qte ser /s ox	
K-0983	983	589451.8	7094430		S++	25	org	b yb	si cl	qte ser /s	
K-0984	984	589403	7094434.6		S++	25	sk org	yb	gr si cl	qte ser /s	
K-0985	985	589347.9	7094440.2	840	S++	20		yb	si cl	no rocks	
K-0986	986	589298.6	7094465.1		S++	35		yb	si cl	qte ser /s ox	
K-0987	987	589251.8	7094466.7		S++	30	org	yb	si cl	qte ser /s ox	
K-0988	988	589201.6	7094455.1		S++	25		yb	si cl	qte ser /s ox	
K-0989	989	589151.8	7094453.1	877	S++	25	sk	yb	si cl	qte ser ox hem	
K-0990	990	589103	7094449.3		S++	25		yb	si cl	qte ser/s ox blebs p?	
K-0991	991	589051.9	7094441.3		S++	20		yb	si cl	qv hem qte carb s	folded
K-0992	992	589001.1	7094447		S++	20		yb	si cl	qte ser / s	
K-0993	993	588951.1	7094455.8	925	S+	25		yb	si cl	qv qte ser /s	
K-0994	994	588896.7	7094447.6		R	10	sk	o	gr si cl	qte ser/s ox	
K-0995	995	588851.6	7094463.1		R	25	sk org	rb	gr si cl	no rocks	
K-0996	996	588801.4	7094469.4		S	15		y ob	si cl	qte /s fg Mt q eyes	intrusive, pink
K-0997	997	588752.7	7094472.2		S++	20	org	yb gb	si cl	qte ser /s	
K-0998	998	588697.2	7094464.7	867	S++	25	org	yb	si cl	q ser /s qv hem	

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	7	44	0.13	8.51
-0.1	16	69	-0.1	9.46
0.1	20	258	-0.1	8.94
-0.1	6	40	-0.1	8.35
-0.1	23	40	-0.1	12.5
-0.1	8	47	-0.1	7.25
-0.1	12	38	-0.1	22.8
-0.1	9	28	-0.1	6
0.14	21	49	-0.1	3.42
-0.1	12	30	0.11	1.71
-0.1	9	26	-0.1	1.72
-0.1	12	23	-0.1	2.34
-0.1	10	28	-0.1	2.93
-0.1	27	29	0.14	6.08
-0.1	12	23	-0.1	4.65
-0.1	7	21	-0.1	2.36
-0.1	9	18	-0.1	1.74
-0.1	13	20	0.11	2.27
-0.1	6	21	-0.1	1.35
-0.1	17	25	0.13	2.55
-0.1	10	16	-0.1	1.39
-0.1	13	34	-0.1	1.84
-0.1	5	24	-0.1	3.63
-0.1	12	30	-0.1	3.53
0.31	56	37	0.13	4.76
-0.1	14	18	-0.1	2.52
-0.1	12	38	-0.1	3.94
0.13	49	134	0.1	6.11
-0.1	30	69	0.14	15.9
0.13	17	29	0.12	5.96
0.16	18	27	-0.1	5.29
-0.1	13	22	-0.1	3.93
0.16	11	27	-0.1	1.99
0.13	38	142	-0.1	6.46
0.16	24	37	0.14	2.54
-0.1	16	32	-0.1	2.79
-0.1	16	20	0.14	0.9
0.1	9	15	-0.1	1.91
-0.1	1	14	0.15	2.93
-0.1	2	17	-0.1	3.71
-0.1	3	12	-0.1	2.94
-0.1	-1	12	-0.1	2.13
-0.1	2	20	-0.1	3.87
-0.1	2	13	-0.1	1.65
-0.1	3	18	-0.1	5.78
-0.1	11	14	-0.1	2.87

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

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

Scheme Code

K0960
K-0999 dupl of K0960

K-0970
K-1000 dupl of K-0970

K-0980
K-1001 dupl of K-0980

K-0990
K-1002 dupl of K-0990

K-0962
DUP-K-0962

K-0974
DUP-K-0974

K-0986
DUP-K-0986

K-0998
DUP-K-0998

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
-0.1	9	28	-0.1	6
-0.1	14	31	0.13	7.68
-0.1	13	20	0.11	2.27
-0.1	10	22	0.13	1.68
0.13	49	134	0.1	6.11
0.24	43	59	-0.1	6.22
0.1	9	15	-0.1	1.91
0.18	6	21	-0.1	2.35
-0.1	12	30	0.11	1.71
0.13	14	27	0.12	1.81
-0.1	13	34	-0.1	1.84
-0.1	15	21	-0.1	1.89
0.13	38	142	-0.1	6.46
0.14	38	168	-0.1	6.36
-0.1	11	14	-0.1	2.87
0.15	10	13	-0.1	2.54

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 52		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 04-Sep-00		By: pl sj							
		Sample Interval (m): 50									
K-1087	87	582138.5	7099867.8	628	S	20		b gb	gr cl si	carb qte /s	
K-1088	88	582148.5	7099819		S	25	org	b yb	si cl	no rocks	
K-1089	89	582162.3	7099772.7		S	25		g yb	si cl	carb qte /s	
K-1090	90	582183.7	7099728.4		S	25		b gb	gr si cl	carb qte /s	
K-1091	91	582219.9	7099686.3	654	S	20		b min gb	si cl	carb qte /s p	
K-1092	92	582232.7	7099641.8		S	20		gb yb	si cl	carb qte /s	
K-1093	93	582256.6	7099589.2		S	25		b yb	si cl	carb /s	
K-1094	94	582276.8	7099549.1		S	25	org	y gb	si cl	qm carb s	
K-1095	95	582306.1	7099503.2	684	S	25	org	y gb	si cl	qm carb s	
K-1096	96	582310	7099446.5		S	25	org	byb	si cl	no rocks	
K-1097	97	582334.8	7099410.7		S	25	org	byb	si cl	qv hem	
K-1098	98	582354.7	7099361.6		S	25	org	byb	si cl	q m carb s	tiny chips
K-1099	99	582377.2	7099323.9	704	S	25	org	byb	si cl	no rocks	
K-1100	100	582397	7099270		S	25	org	b gyb	si cl	q m carb s	
K-1101	101	582419.4	7099228.1		S	25		b yb	si cl	q m carb s	
K-1102	102	582441.2	7099187.5		S	25	org	b yb	si cl	no rocks	
K-1103	103	582458	7099135.9	707	S	25		yb	si cl	q m carb s	
K-1104	104	582486.7	7099094.8		S	25	org	b yb	si cl	q m carb s	
K-1105	105	582500.1	7099043.1		S	25	org	b yb	si cl	no rocks	
K-1106	106	582531.1	7099002.7		S	25	org	b yb	si cl	q m carb s	
K-1107	107	582539.2	7098953.8	716	S	25	org	b ob	si cl	qte ser / s	crenulated
K-1108	108	582543.7	7098893.5		S	20		ob	gr gv si cl	q m s carb minor	lim blebs
K-1109	109	582572.3	7098856		S	20		g	gr cl si	q carb s lim blebs	
K-1110	110	582597.1	7098820.2		S	20	org	g yg	gr si cl	q carb s	
K-1111	111	582624	7098776	730	S	25	org	gb yb	gv sil cl	no rocks	
K-1112	112	582643.7	7098725.2		S	40		gb yb	gr si cl	q m carb s	
K-1113	113	582671.1	7098683.4		S	30	wet	g	gv gr si cl	qte carb	
K-1114	114	582697.6	7098642.9		S	30	org	yb gb	si cl	qms ox	
K-1115	115	582734.6	7098603.2	738	S	40	w org	ygb	si cl	qms	
K-1116	116	582749.1	7098552.7		S+	40	org	gb b	gr si cl	qms q carb s	
K-1117	117	582769.4	7098510.2		S+	30	org	gyb	si cl	qm carb s	
K-1118	118	582803.6	7098466.3		S++	35	org	gb	gr si cl	q carb s	
K-1119	119	582819	7098450.5	745	S++	30		g	gr si cl	q carb s	
K-1120	120	582841.9	7098379.4		S++	25	org	bgb	si cl	q m carb s	
K-1121	121	582864.1	7098330.9		S++	35	org	b yb	si cl	qte m /s ox	
K-1122	122	582891	7098289.8		S++	20		yb	gv sil cl	qms ox	
K-1123	123	582912.4	7098243.1		S++	40	org	yb	gr si cl	qms	
eolK-1124	124	582948.2	7098182.5	761	S++	20	org	ygb	gr si cl	jms carb m lim blebs	

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	42	-0.1	22.8
-0.1	15	24	-0.1	8.71
-0.1	18	31	-0.1	41.3
-0.1	34	37	0.14	13.6
-0.1	32	34	-0.1	8.11
-0.1	8	30	0.14	21
-0.1	17	28	-0.1	38.2
-0.1	26	33	-0.1	10.9
-0.1	13	29	-0.1	14.9
-0.1	11	27	-0.1	11.8
-0.1	16	22	-0.1	11.7
-0.1	14	32	-0.1	30.5
-0.1	12	26	0.11	23.8
-0.1	14	36	-0.1	40.3
0.16	13	23	-0.1	43.9
-0.1	17	22	-0.1	27.1
-0.1	20	34	-0.1	26.4
0.13	12	27	-0.1	178
-0.1	21	23	-0.1	15.8
-0.1	8	27	0.11	147
-0.1	8	14	0.12	0.68
-0.1	14	25	0.12	18.7
-0.1	9	44	0.14	23.6
-0.1	10	21	0.12	88.4
0.36	2	243	-0.1	48.9
-0.1	26	38	-0.1	5.16
-0.1	71	226	-0.1	7.75
-0.1	14	38	0.12	7.24
-0.1	9	29	0.12	3.74
-0.1	51	107	0.11	4.55
-0.1	20	75	-0.1	20.9
0.2	16	47	-0.1	20
-0.1	17	49	-0.1	17.9
-0.1	9	24	-0.1	0.73
-0.1	23	31	-0.1	1.19
-0.1	34	37	0.1	2.22
-0.1	23	41	0.12	4.04
-0.1	22	36	-0.1	5.68

K-1125 for	0.1	29	48	0.14	21.2
K-1126 for	-0.1	10	15	0.12	28.2
K-1127 for	0.14	8	32	-0.1	242
K-1128 for	-0.1	24	35	-0.1	3.99
DUP-K 1098	-0.1	14	32	-0.1	30.5
DUP-K 1098	0.15	15	35	-0.1	33.7
DUP-K 1110	-0.1	10	21	0.12	88.4
DUP-K 1110	0.15	11	23	-0.1	100
DUP-K 1122	-0.1	34	37	0.1	2.22
DUP-K 1122	-0.1	33	38	0.1	2.68

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE 57		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 12-Aug-00			By: pl sj						
		Sample Interval (m): 50									
W-001	1	595260.7	7085792.2	1098	S++	15	org	b yb	si cl	qms q - sacharodal	
W-002	2	595219.1	7085762.9		S++	15	dry org	b yb	si cl	qv qms q - sacharodal	
W-003	3	595176.9	7085737.1		R	25	org	ob	si cl	qms fc	ox blebs
W-004	4	595139.1	7085699		R	25	dry	ob	si cl	q c s f ? Crenulated	
W-005	5	595096.5	7085677.8	1072	S++	25	dry	ob gb	si cl	ox q c s	
W-006	6	595045.3	7085661.9		S++	20		ob gb	si cl	q carbonate vien qcs	
W-007	7	594994.5	7085641.8		S++	25	dry org	ob	si cl	qms c blebs qv	very weatherd
W-008	8	594953.2	7085630.5		S++	25		rb	si cl	qmcs phylolousite	
W-009	9	594907.1	7085610	1041	S++	25	org	ob	si cl	q ser minor c s	epidote on joints
										with brown smokey q	
W-010	10	594855.6	7085589.3		S++	25		ob	si cl	qfp argilic alterations	
W-011	11	594815.9	7085566		S++	20	sk org	gb ob	gr si cl	with brown smokey q	
W-012	12	594766.9	7085547.6		S++	25	moist	ob gb	si cl	qcs	
W-013	13	594718.6	7085533.1	997	S++	25		ob	si cl	qms	
W-014	14	594676	7085511.9		S++	25		ob	si cl	qms selisified	
W-015	15	594638.6	7085469.6		S++	15	org	b ob	si cl	q ser s	
W-016	16	594594.6	7085449.8		S++	15	org	gb yb	si cl	qms	
W-017	17	594547.6	7085418.5	955	S++	15	org	ob	si cl	no rock	
W-018	18	594509.5	7085395.8		S++	15	org	ob	si cl	qmcs	
W-019	19	594464.3	7085366.2		S++	15		ob	si cl	no rock	
W-020	20	594417.1	7085355.8		S++	25	org	ob	cl si	qmcs	
W-021	21	594367.2	7085332.8	896	S++	20		ob	cl si	q ser s bleached	
W-022	22	594323.9	7085308.8		S++	25		yb	si cl	qms bleached	
W-023	23	594274.8	7085301.4		S++	25		yb green b	si cl	qte strongly selisified	qms milenite?
W-024	24	594223.6	7085285.5		S++	15		yb	si cl	qms	
eoW-025	25	594194.8	7085237.3	866	S++		org	yb	si cl	qmcs	
W-010											
W-026 duplicate of	W-010			Peter Comments Entire line is QMS or CHLORITE QTZ SCHIST with the exception of QTZ field porphyry which has argillic alteration & smokey QTZ. This rock is exactly like QFP on Hunker E of 54 pup							
W-020											
W-027 duplicate of	W-020										
W-001											
DUP-W-001											
W-013											
DUP-W-013											
W-025											
DUP-W-025											

Scheme Code
Analysis Unit
Detection Limit

Au MMI-B ppb 0.1	Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
-0.1	8	16	0.13	0.92
-0.1	3	18	0.15	1.54
-0.1	1	10	0.11	4.9
-0.1	2	8	-0.1	0.85
-0.1	5	11	-0.1	1.03
0.32	6	90	0.11	21.7
-0.1	3	9	0.14	2.89
-0.1	3	23	-0.1	2.83
0.1	4	14	0.15	9.65
-0.1	3	17	-0.1	1.18
-0.1	4	12	-0.1	1.35
-0.1	9	17	-0.1	0.99
-0.1	4	19	-0.1	20.8
-0.1	4	21	0.14	6.83
-0.1	6	16	0.13	3.06
-0.1	6	17	0.14	13.7
-0.1	2	24	-0.1	9.53
-0.1	6	23	0.13	6.39
-0.1	2	24	-0.1	25.8
-0.1	11	18	0.13	4.06
0.24	4	55	-0.1	6.19
-0.1	6	36	-0.1	5.28
0.16	63	69	-0.1	2.77
0.11	12	55	0.12	2.17
-0.1	6	39	0.13	14.6
-0.1	3	17	-0.1	1.18
-0.1	5	21	-0.1	3.41
-0.1	11	18	0.13	4.06
-0.1	7	19	0.13	4.5
-0.1	8	16	0.13	0.92
-0.1	8	15	0.11	0.78
-0.1	4	19	-0.1	20.8
-0.1	5	18	-0.1	18.5
-0.1	6	39	0.13	14.6
-0.1	7	50	0.11	12

Peter Comments
Entire line is QMS or CHLORITE QTZ SCHIST with the exception of QTZ field porphyry which has argillic alteration & smokey QTZ. This rock is exactly like QFP on Hunker E of 54 pup

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRVERSE 58											
GRAND FORKS 1:50,000 115-0/14											
Sampled: 26-Aug-00 By: pl sj											
Sample Interval (m): 50											
W-093	93	593799.6	7087347.5	1022	R	15		ob gb	gr si cl	q ser s folded	
W-094	94	593747.3	7087351.9		R	20		yb	si cl	qv bull q	
W-095	95	593699.4	7087358.9		R	20		g yb	si cl	qms	
W-096	96	593647.5	7087359.1		S+	30		yb	si cl	qmcs	
W-097	97	593597.7	7087360	1016	S+	30	org	g yb	si cl	qms	
W-098	98	593550.8	7087359.2		S+	30	org	b min gb	si cl	qv barite?	
W-099	99	593499.3	7087363.1		S+	25	org	b yb	si cl	q ser s qv	
W-100	100	593449.7	7087365.8		S+	20	org	g yb	si cl	qms	c or b secondary
W-101	101	593401.2	7087375.7	1016	S+	25		g yb	si cl	qte ser / s	
W-102	102	593352.2	7087376		S+	20	org	g min yb	si cl	qte q eyes minor ser	
W-103	103	593297	7087396.5		S+	20	org	grb yb	si cl	qcs garnets?	
W-104	104	593250.6	7087417.3		S+	20	org	grb yb	gr si cl	qcs	
W-105	105	593207.5	7087431.5	1015	S+	20	org	b yb	si cl	qcs	
W-106	106	593159.2	7087433.7		S+	20	org	yb	si cl	qcs	
W-107	107	593111.3	7087465.7		S+	25	org	b yb	si cl	qcs fe carb?	
W-108	108	593067	7087495.5		S+	20	org	b yb	si cl	qte m / s	
W-109	109	593022.7	7087515.1	974	S+	20		yb	gr si cl	q m c s	
W-110	110	592989.5	7087531.5		S++	30	org	yb grb	si cl	cqs	
W-111	111	592933.8	7087553.8		S++	15	sk org	yb	gr si cl	qte ser mylonite	
W-112	112	592888.9	7087574.6		S++	20		yb	si cl	cqs q eyes	
W-113	113	592842.7	7087596.5	929	S++	25	org	grb yb	si cl	cqs crenulated fg c	c / amphibole
W-114	114	592796.6	7087603.5		S++	30	sk	grb yb	si cl	cqs	poor dev soil
W-115	115	592745	7087622.9		S++	30	sk	yb	si cl	cqs	
W-116	116	592691.9	7087636.9		S++	30	org	grb yb	si cl	cqs euhedral fg p ox	
W-117	117	592642.7	7087652.8	903	S++	25		yb	gr si cl	cqs	
W-118	118	592598.7	7087660.5		S++	30	org	b yb	si cl	cqs	
W-119	119	592550.2	7087680		S++	30	org	yb	si cl	qmcs folded	
W-120	120	592507.4	7087700.8		S++	20	sk org	yb	si cl	qmcs	
W-121	121	592455	7087718	877	S++	25	sk org	rb	gr si cl	qcs	
W-122 for		W-100									
W-123 for		W-110									
W-124 for		W-120									
Peter's Comments											

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	7	19	-0.1	6.31
-0.1	7	17	-0.1	2.06
-0.1	24	19	0.11	1.26
-0.1	8	19	-0.1	1.03
-0.1	5	12	-0.1	0.11
-0.1	8	20	-0.1	0.52
-0.1	4	12	-0.1	0.5
-0.1	4	10	-0.1	0.62
-0.1	2	11	-0.1	1.65
-0.1	3	6	-0.1	1.76
-0.1	5	13	-0.1	0.38
-0.1	9	21	0.15	0.48
-0.1	9	17	-0.1	1.6
-0.1	5	17	-0.1	8.05
-0.1	11	20	-0.1	3.56
-0.1	6	14	-0.1	3.31
-0.1	5	18	0.1	2.36
0.13	26	25	-0.1	11.7
-0.1	40	26	-0.1	3.88
-0.1	22	29	-0.1	4.29
-0.1	20	41	0.11	1.36
-0.1	16	38	0.11	2.26
-0.1	11	49	-0.1	1.67
-0.1	10	15	-0.1	6.13
-0.1	8	19	-0.1	0.36
-0.1	8	23	0.11	0.61
-0.1	12	18	0.12	1.72
0.11	51	29	-0.1	1.4
-0.1	7	11	-0.1	1.66
-0.1	2	9	-0.1	0.55
-0.1	24	22	-0.1	6.32
-0.1	18	15	0.15	3.59

Peter's Comments
At sample 101 & 102 the qte/s is slightly coarser grained & may possibly be intermediate dyke. Downslopes of this rock remains a c/q s in some varying m. with occasional silisified to mylonitic shist.

NOTE: gr = green

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
TRAVERSE 59		GRAND FORKS 1:50,000 115-0/14									
		Sampled: aug17,23			By: pl sj						
		Sample Interval (m): 50									
K-0881	881	583597.8	7091288.4	916	R	35	org	b yb	cl si	qmp mylonite	AB
K-0882	882	583637	7091255.8		R	20		g yb	si cl	q ser my p	AB
K-0883	883	583671.2	7091226.8		R	20		yb	si cl	q ser my	B
K-0884	884	583706.5	7091188.4		R	20		ob	gr cl si	q ser my p	C MIN A
K-0885	885	583744.9	7091157.6	910	S	20	org	gb yb	cl si	q ser / s	AB
K-0886	886	583787.9	7091132.6		S+	25	org	b yb	cl si	q ser / s	AB
K-0887	887	583826.8	7091105.6		S++	30	org	b yb	si cl	q ser my	AB
K-0888	888	583869.9	7091077.9		S++	30		g yb	si cl	qte ser /s	AB
K-0889	889	583905.1	7091059.2	872	S++	15		yb	cl si	q ser s p	B
K-0890	890	583943.9	7091026		S++	25	W org	yb	gr si cl	q ser my p	B
K-0891	891	583988.6	7090999.2		S++	25	org	yb	gr si cl	q ser my weathered white	B
K-0892	892	584021.2	7090959.9		S++	25		yb	si cl	q ser my	B
K-0893	893	584056	7090925.7	840	S++	20	org	b yb	gr si cl	q ser my	AB
K-0894	894	584092.8	7090897.4		S++	25	org	b yb	gr si cl	q ser my	AB
K-0895	895	584130	7090855		S++	25	org	b yb	gr si cl	q ser my	AB
K-0896	896	584170.9	7090822.9		S++	25	org	b yb	si cl	q ser s altered/weatherd	AB
K-0897	897	584212.9	7090797.7	786	S++	20		yb	gr cl si	q ser my	B
K-0898	898	584251.3	7090769.4		S++	20	org	b yb	si cl	qte ser /s	AB
K-0899	899	584288.1	7090731		S++	25		gb yb	si cl	qte ser /s	B
K-0900	900	584324.8	7090700.2		S++	25	org	b yb	si cl	qv	AB
K-0901	901	584364.9	7090672.6	740	S++	25		yb	si cl	no rocks	AB
K-0902	902	584405.5	7090639		S++	25	org	yb	si cl	qte ser /s	B
K-0903	903	584445.5	7090611.5		S++	25		yb	gr si cl	qte ser /s hem	B
K-0904	904	584484.1	7090574.8		S++	25	org	yb	gr si cl	qte ser /s	B
K-0905	905	584516.1	7090533.8	675	S++	20	org	b yb	gr si cl	qte ser /s gv	AB
K-0906	906	584549.2	7090504.3		S	25	org	yb	si cl	qte ser /s	B
K-0907	907	584596.9	7090474.9		S+	35	org	yb	si cl	no rocks	B
K-0908	908	584638.2	7090435.5		S+	30	org	b yb	si cl	qte ser /s	AB
K-0909	909	584672.1	7090408.2		S+	30	org	yb	si cl	qte ser s	B
K-0910	910	584710.2	7090380.6		S	15	pf	yb	si cl	qte ser / s ox	B
K-0911	911	584749.8	7090347.5		S	35	org	b yb	si cl	qv	A MIN B
K-0912	912	584793.6	7090311.1		S	20	org	minb yb	si cl	qte ser //s	B MIN A
K-0913	913	584820.5	7090274.2	619	S++	15	dry	yb	si cl	qte ser /s ox	moved b/c oldtimers
K-0914	914	584853.2	7090269.1	599	S++>20	35	org	b yb	si cl	qte ser /s	AB

Scheme Code
Analysis Unit
Detection Limit

Au MMI-B ppb 0.1	Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
-0.1	9	14	0.13	4.8
0.26	6	12	-0.1	12.1
0.32	2	20	-0.1	44.6
-0.1	5	14	0.14	8.12
0.13	15	19	-0.1	6.8
0.14	9	14	-0.1	49.3
0.16	6	19	-0.1	11.2
0.19	21	21	-0.1	18.5
-0.1	4	11	-0.1	25.3
0.69	9	19	-0.1	16.3
0.13	13	12	0.14	24.8
0.31	8	12	-0.1	57.2
-0.1	9	13	0.13	19.9
-0.1	10	13	0.13	30.9
-0.1	12	18	-0.1	24.8
-0.1	10	17	-0.1	53.1
0.48	10	20	-0.1	14.6
-0.1	9	13	-0.1	7.85
0.15	18	54	0.13	29.9
-0.1	11	22	-0.1	6.5
0.19	31	47	-0.1	2.99
0.24	31	30	-0.1	18
-0.1	5	74	-0.1	19.5
-0.1	23	31	-0.1	10.7
0.1	18	28	-0.1	16.7
-0.1	37	106	-0.1	6.55
-0.1	20	349	0.13	17.6
0.16	177	327	-0.1	4.95
0.31	162	263	-0.1	4.36
-0.1	133	143	-0.1	4.12
0.43	68	161	0.11	17
-0.1	64	86	-0.1	1.79
-0.1	9	78	-0.1	9.68
-0.1	13	18	-0.1	2.7
0.26	6	12	-0.1	12.1
0.22	7	11	-0.1	13.6
0.69	9	19	-0.1	16.3
1.02	17	26	-0.1	8.11
-0.1	11	22	-0.1	6.5
-0.1	10	20	0.11	7.46
-0.1	133	143	-0.1	4.12
0.3	152	184	-0.1	5.08
0.32	2	20	-0.1	44.6
0.25	3	24	0.12	37.4
-0.1	4	11	-0.1	25.3
-0.1	4	13	-0.1	26.6
0.19	31	47	-0.1	2.99
0.28	34	54	0.15	2.69
-0.1	9	78	-0.1	9.68
-0.1	7	126	-0.1	9.18

PETER'S COMMENTS
The rock is more siliceous, blocky & mylonitic at the top of the hill and becomes more schistose and weathered towards bottom.

KLONDIKE SOURCE LIMITED

GEOCHEMICAL BAR CHARTS – SOIL SAMPLING TRAVERSES

**KLONDIKE, BEAR, WEDGE, SNO & ICE CLAIMS
JUNE – AUGUST 2000**

TO ACCOMPANY

**“ASSESSMENT REPORT FOR THE RENEWAL OF KLONDIKE,
BEAR & WEDGE CLAIMS, BONANZA CREEK DISTRICT NTS 115-
O-14 & 116-B-3, DAWSON MINING DISTRICT”**

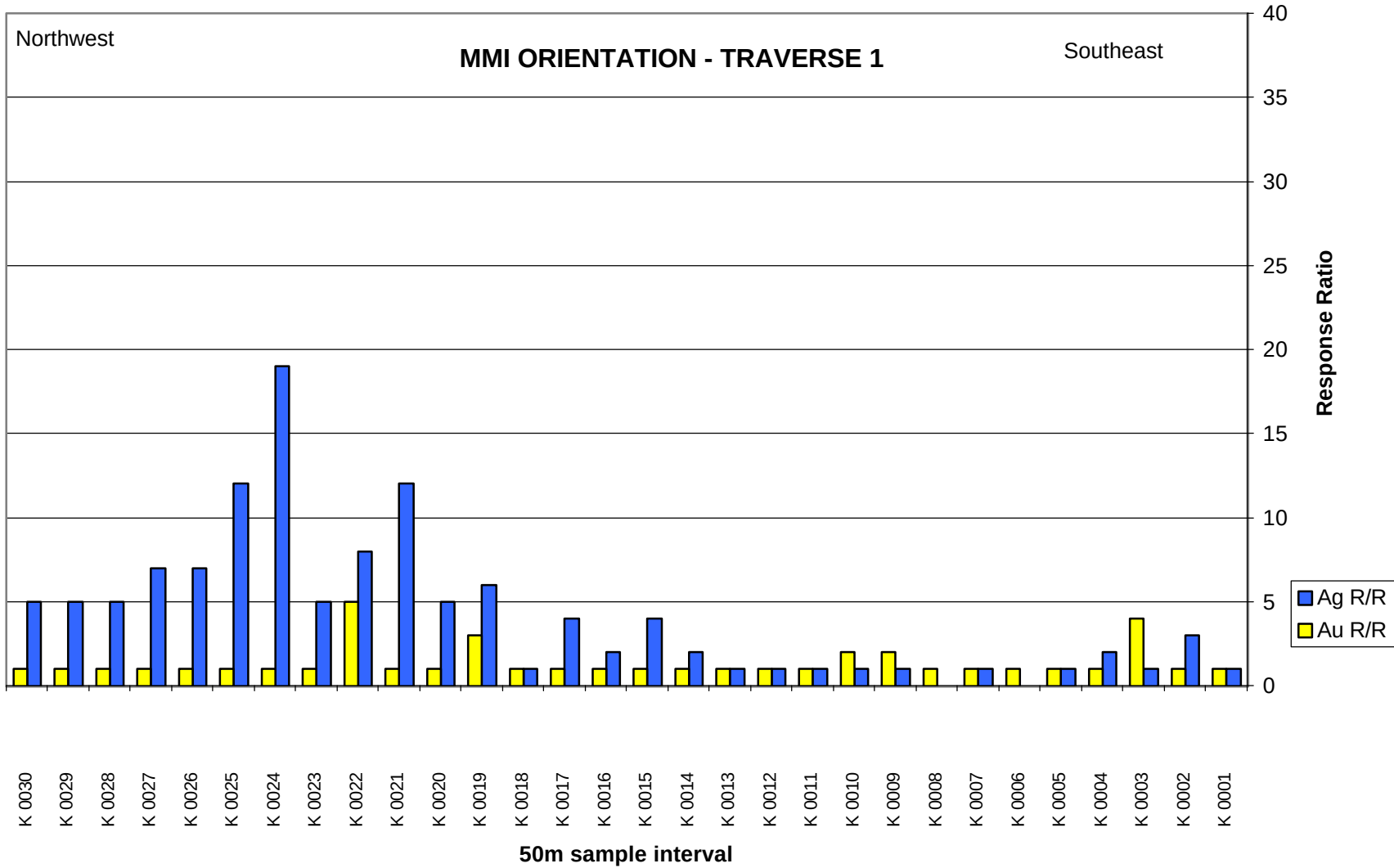
by

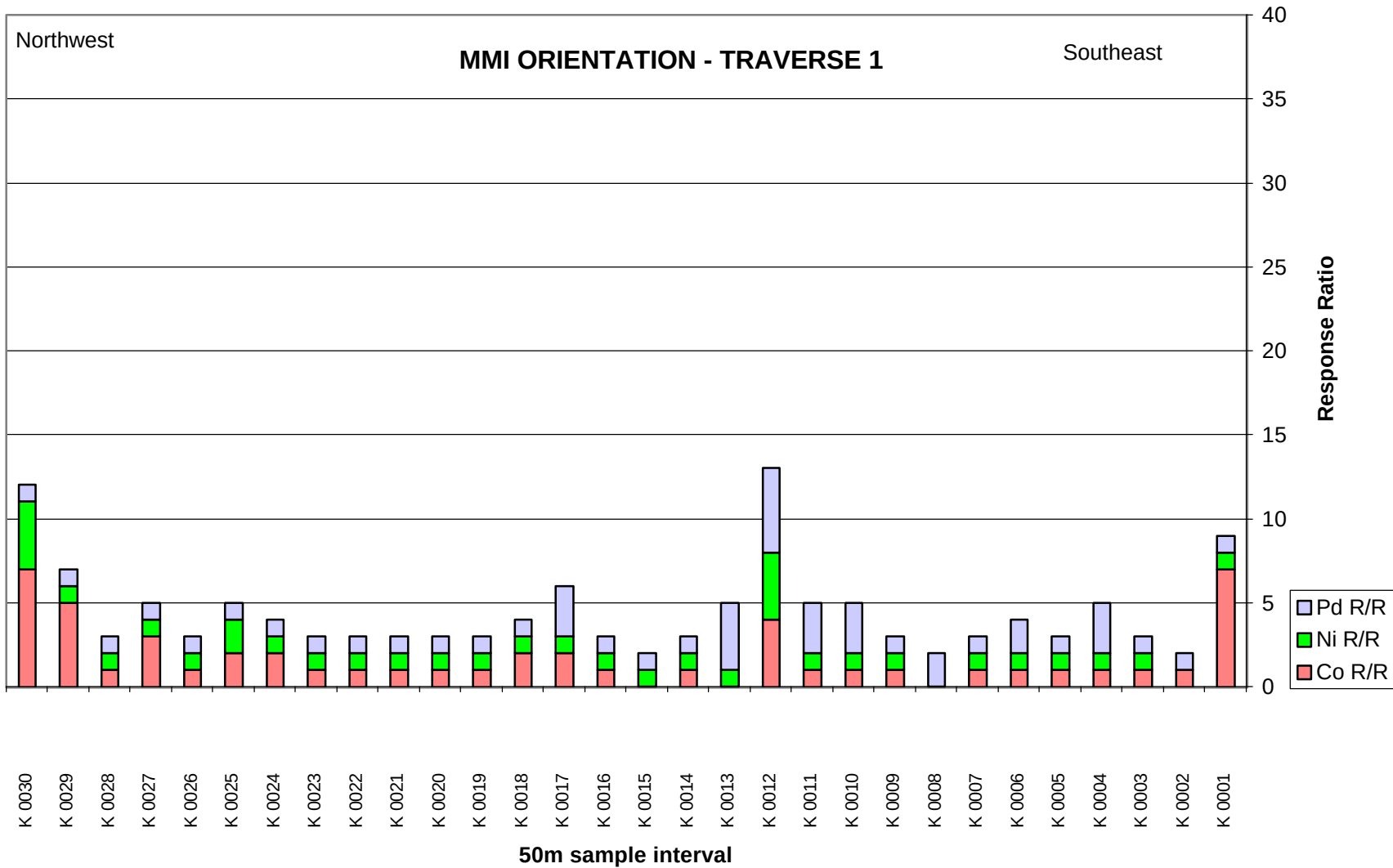
RG Adamson and CM Thomas, June 2001

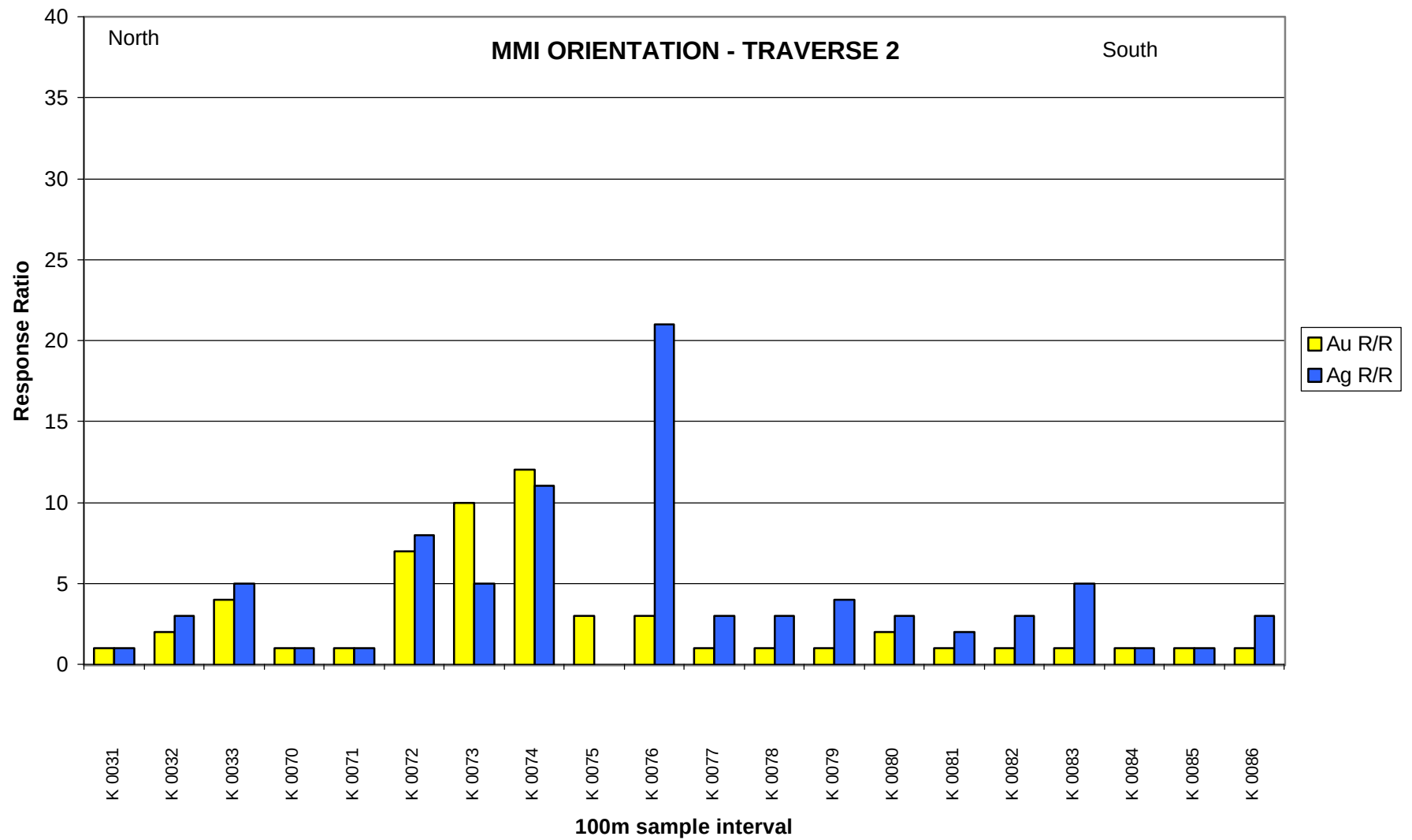
Source data for these charts is presented in the SOIL GEOCHEMISTRY LEDGER (2000) appended to above Report.

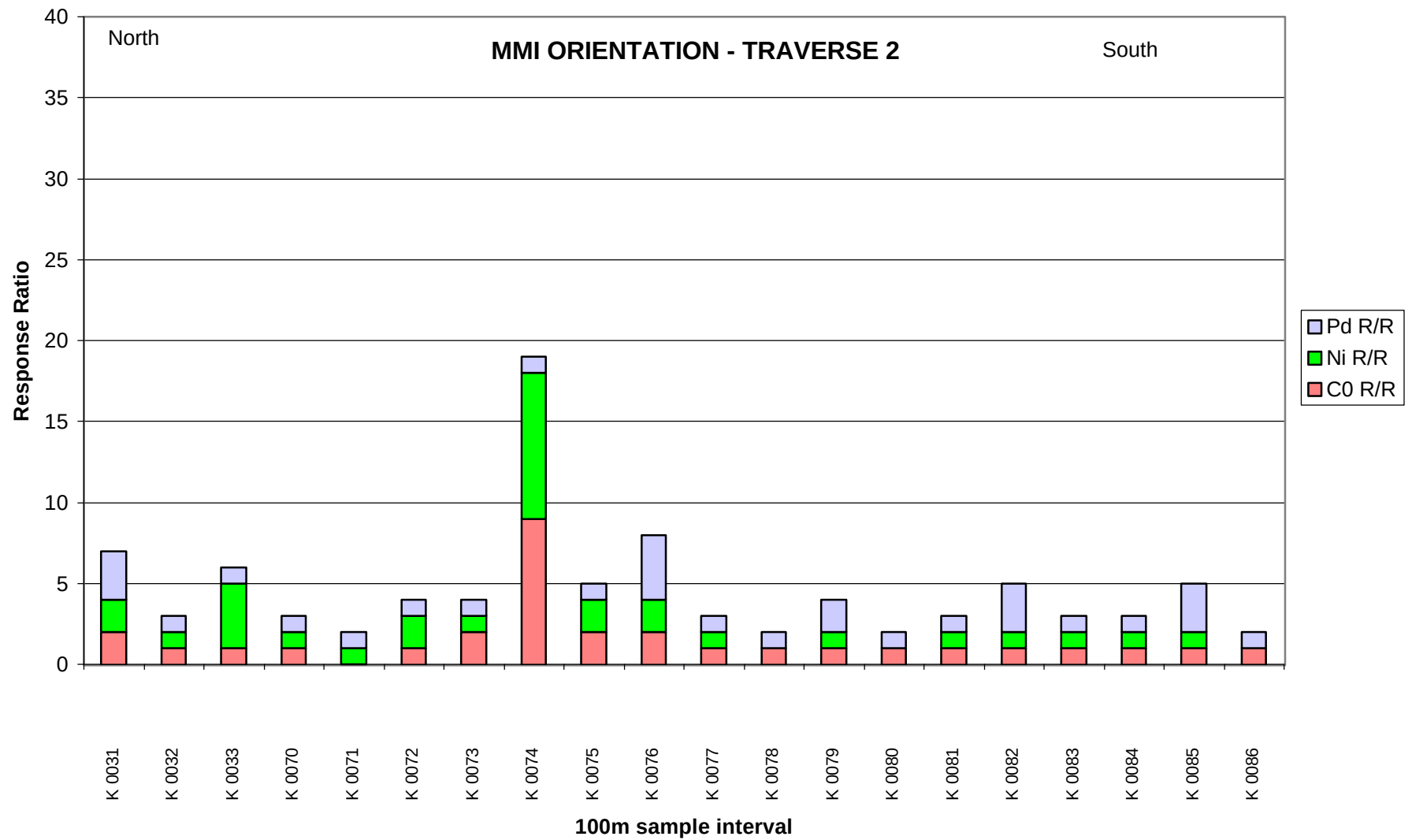
Charts Tr X (1), (2), (3) & (4) are Mobile Metal Ion data plotted following determination of background levels and Response Ratios.

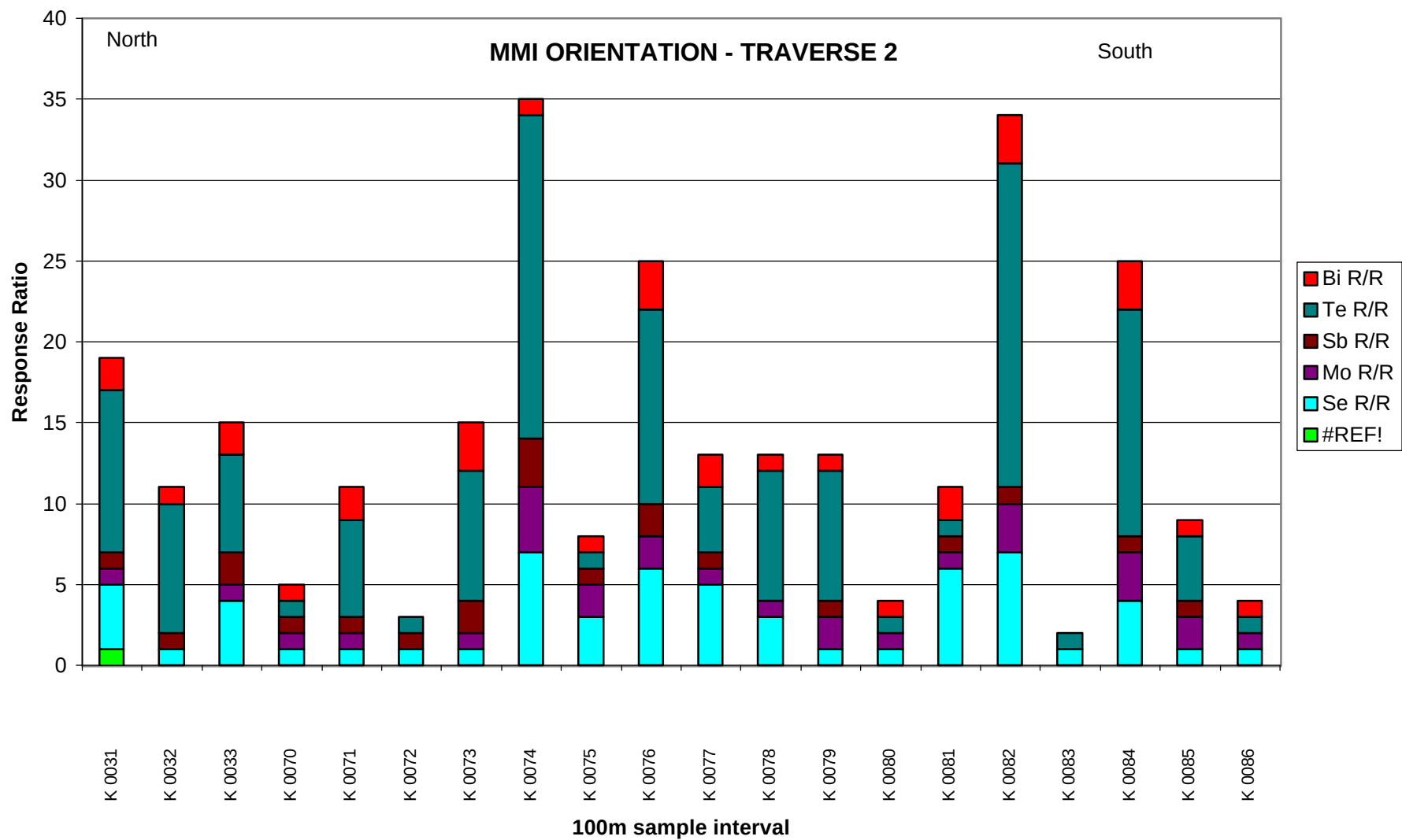
Charts Tr X (–80) are –80# sample data plotted as native assays.

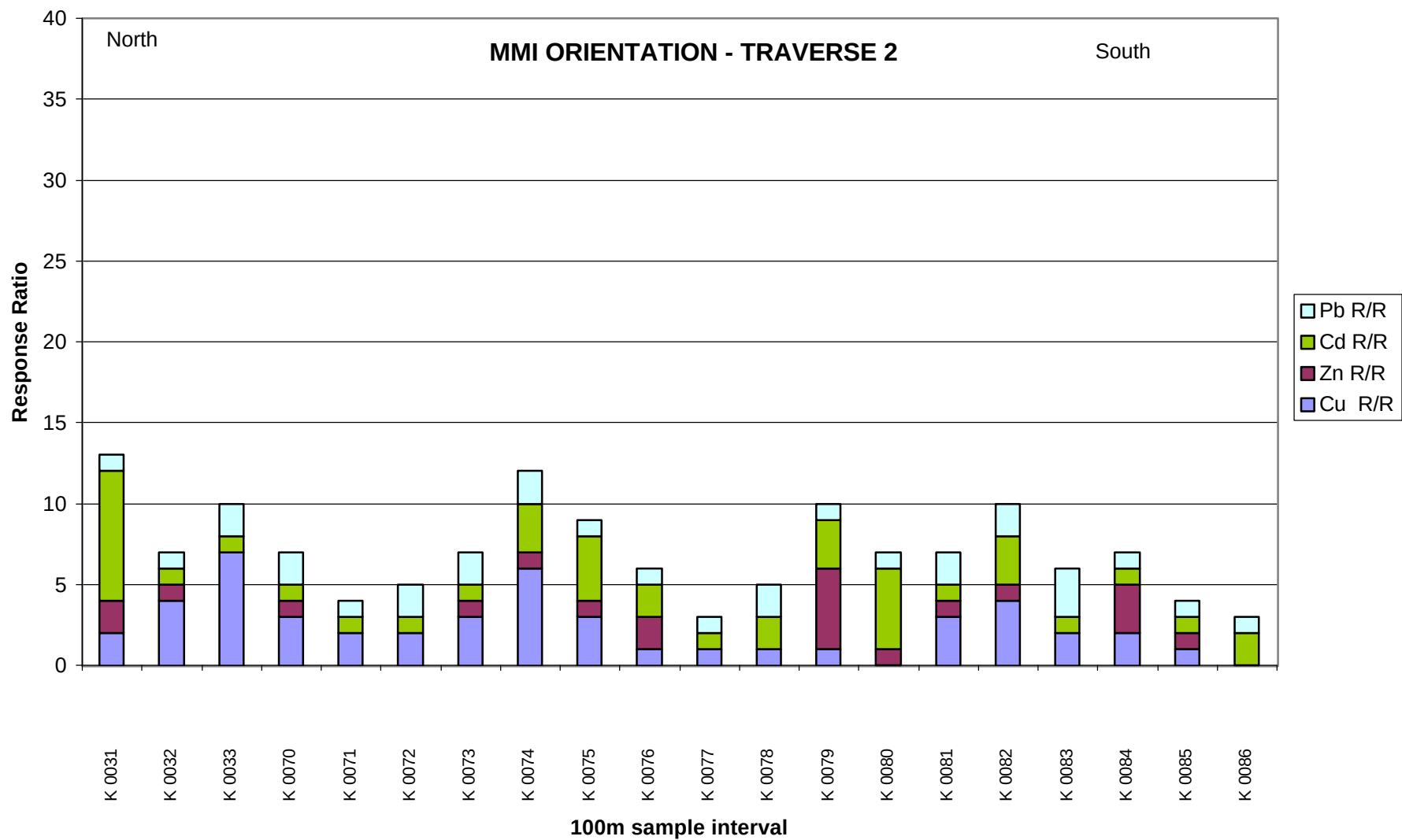


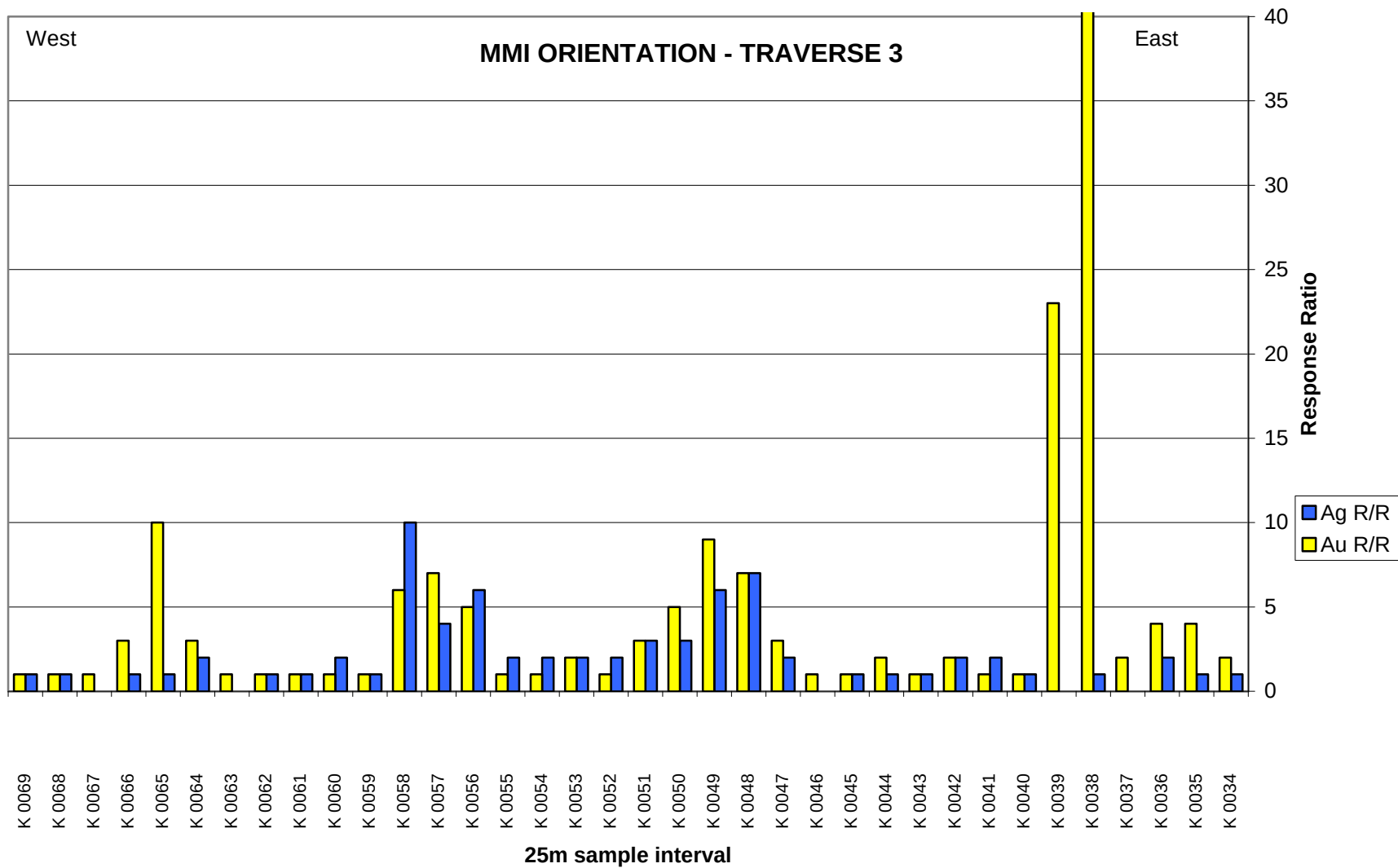


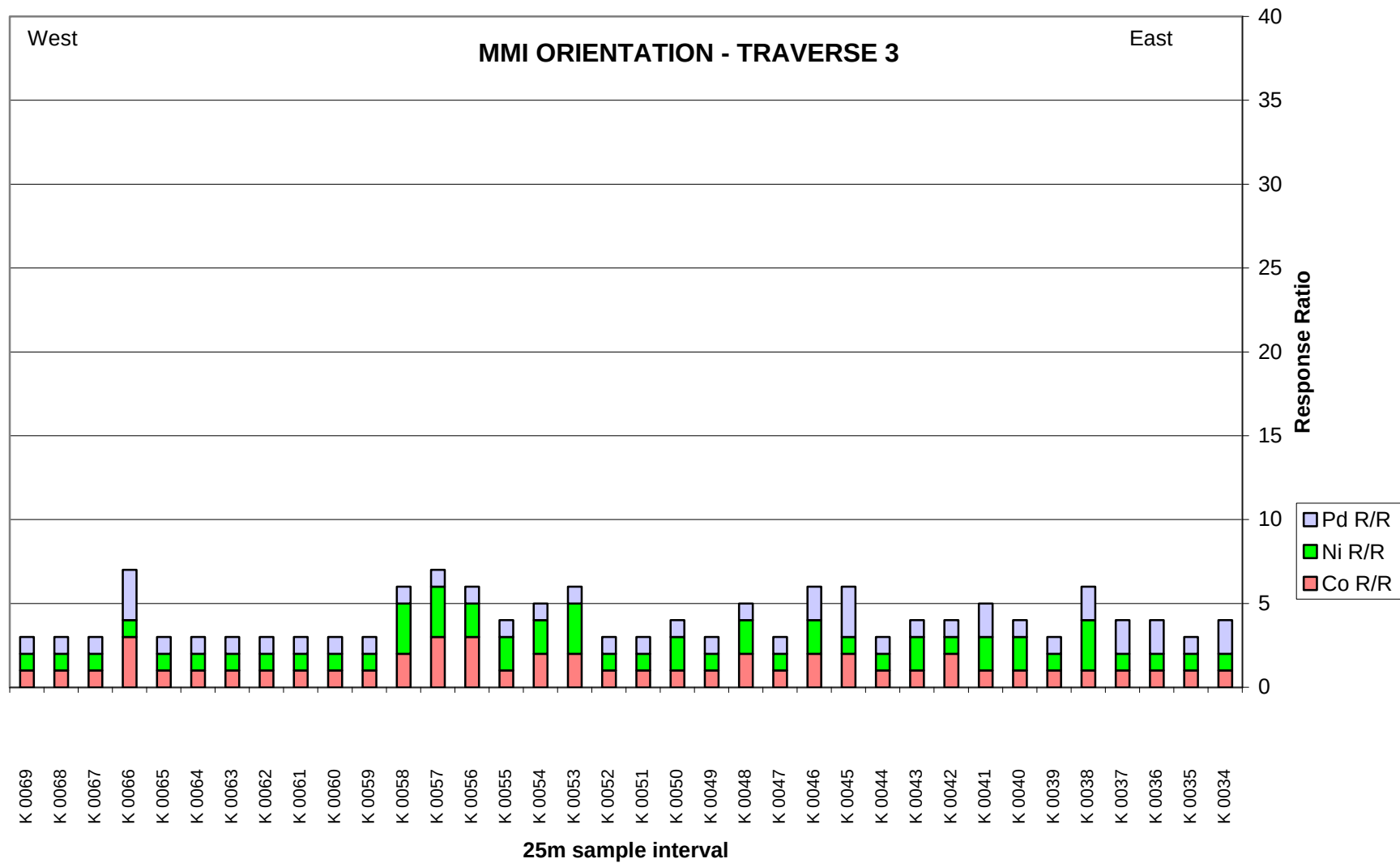


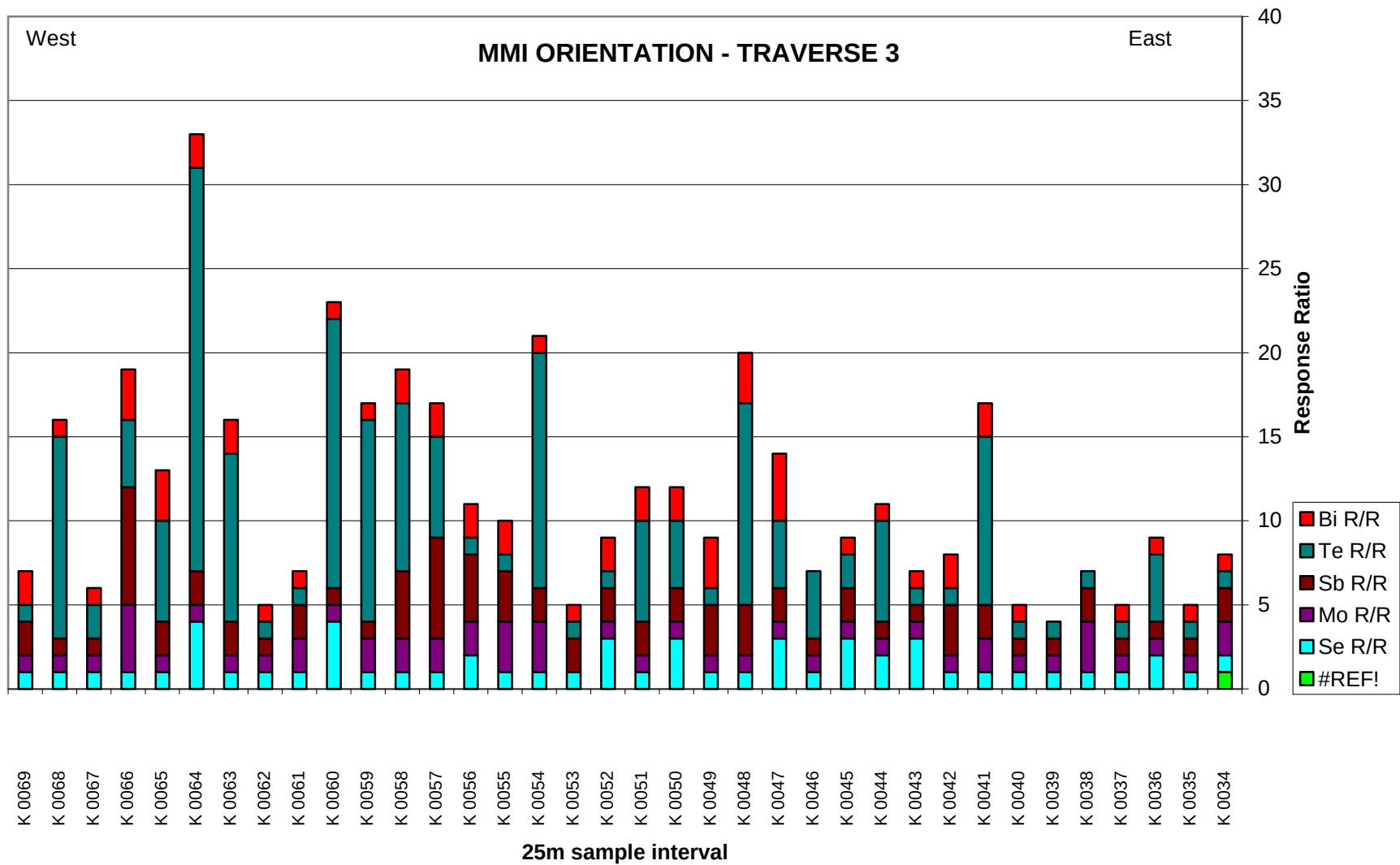


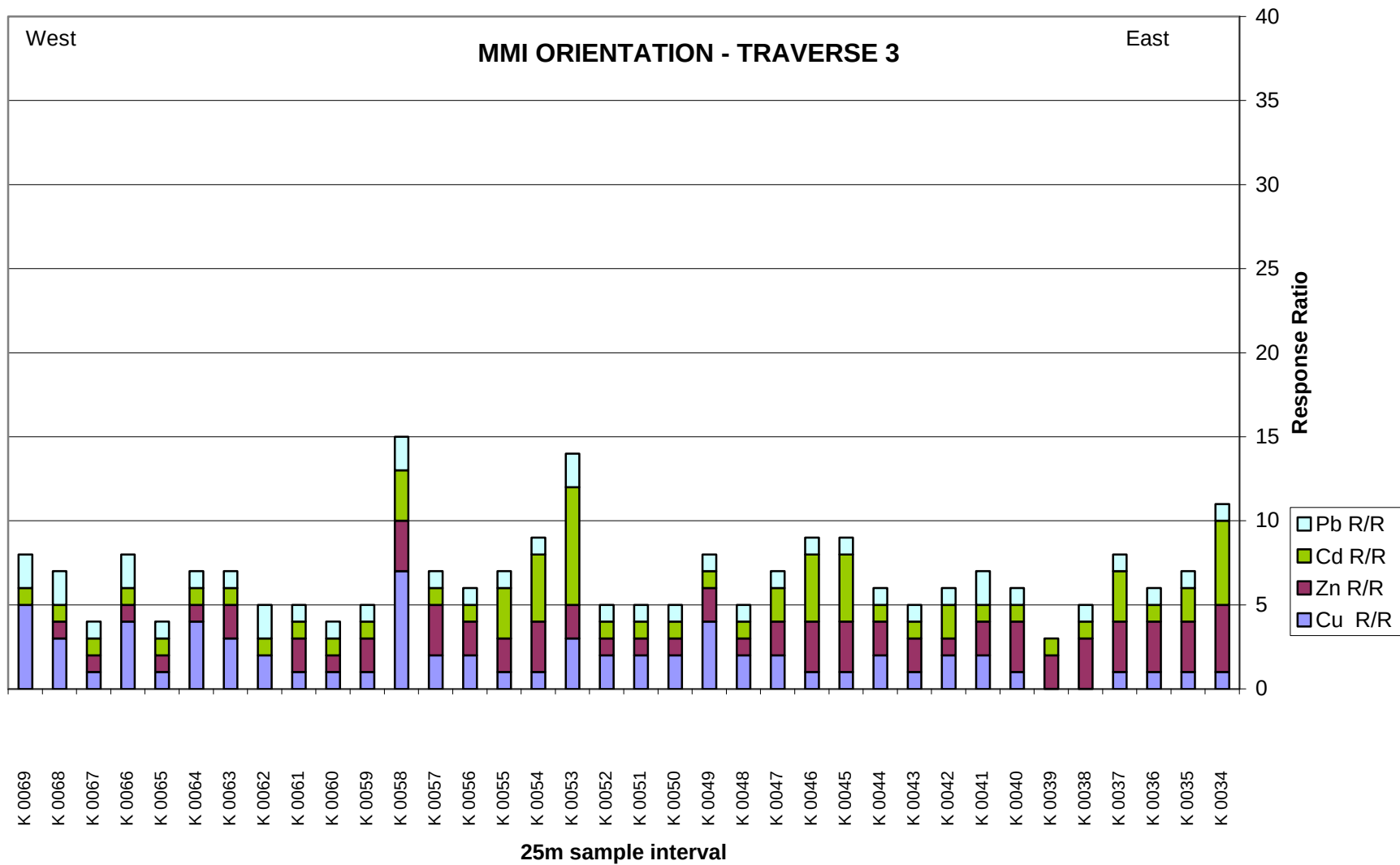


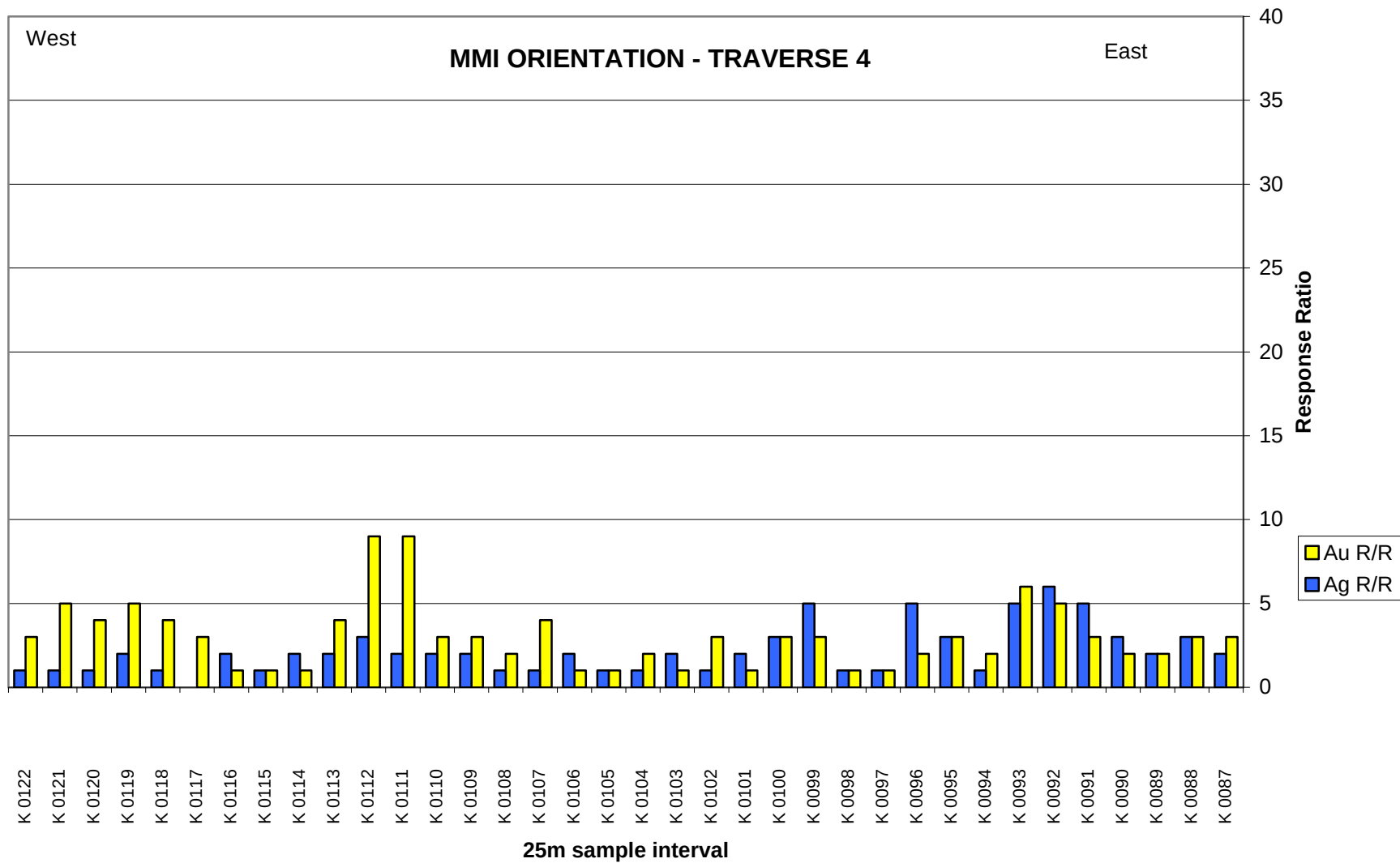


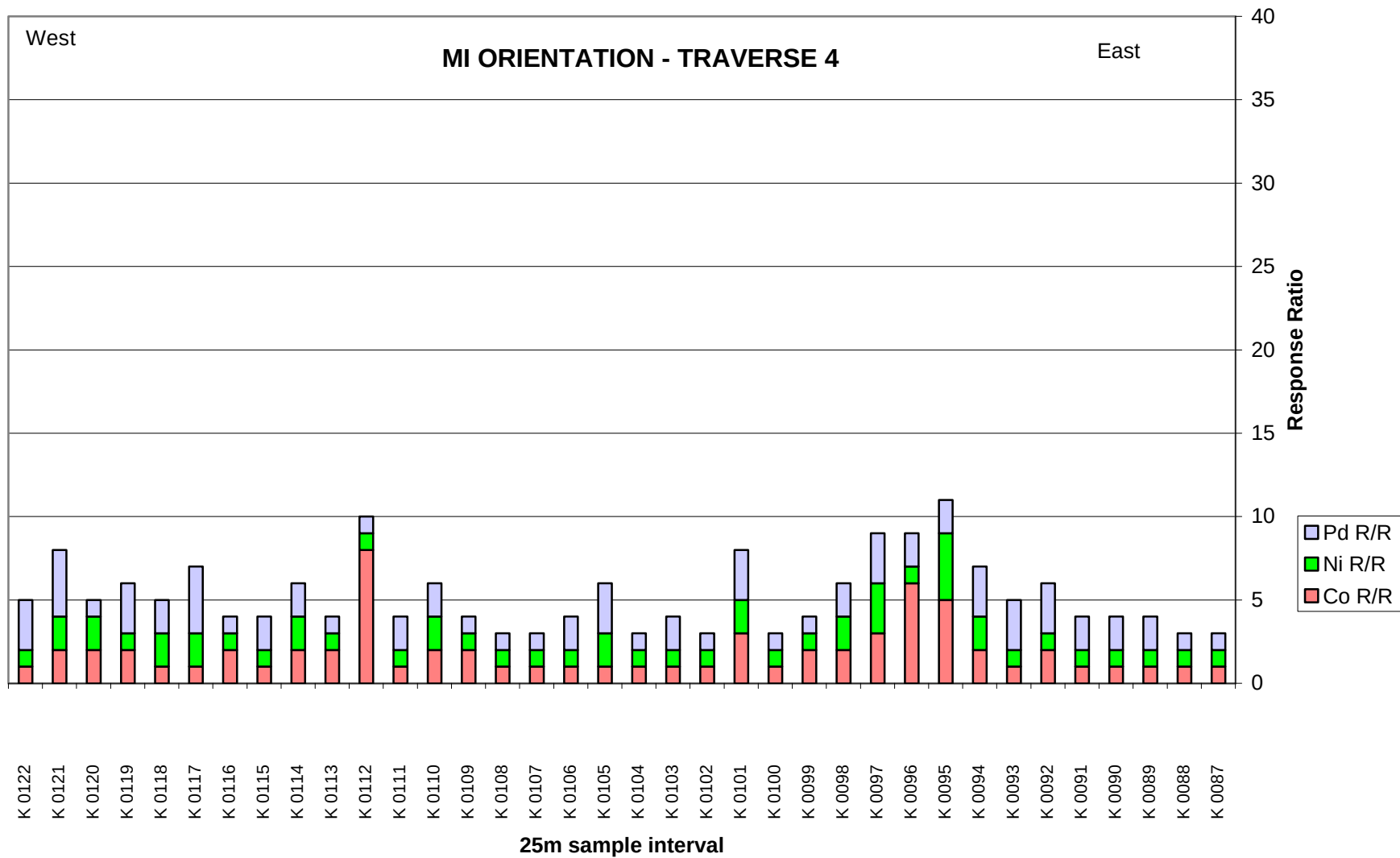


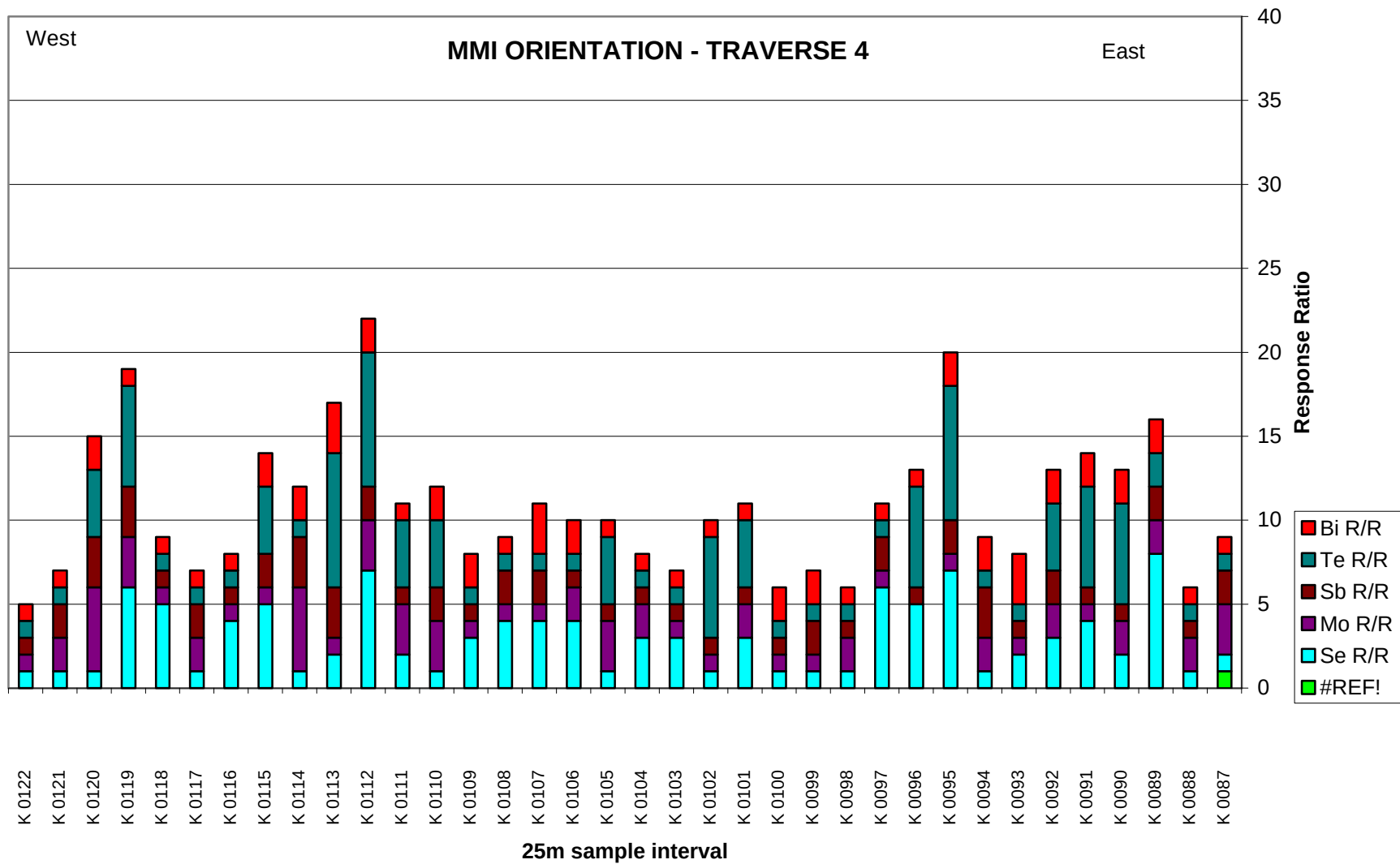


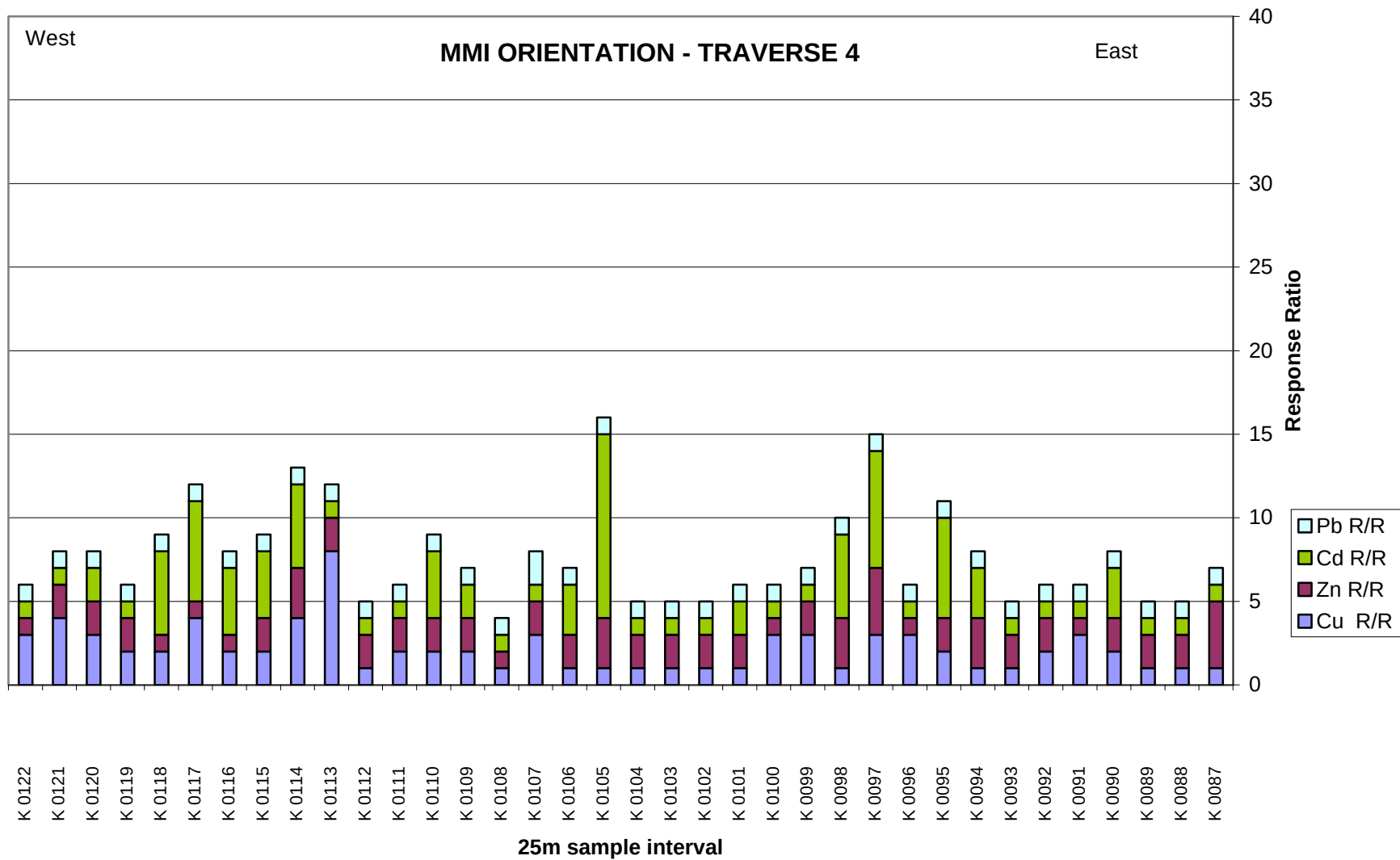


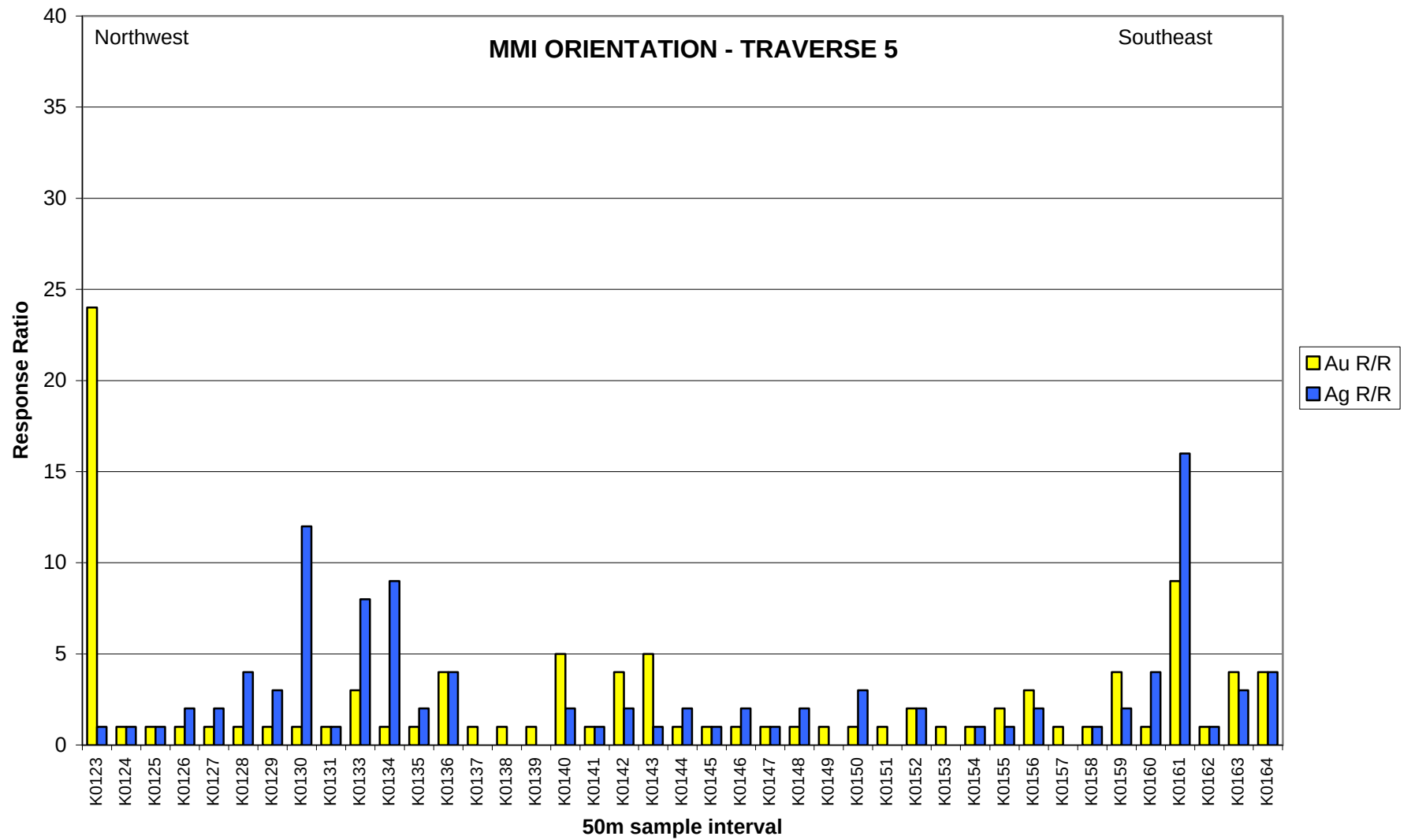


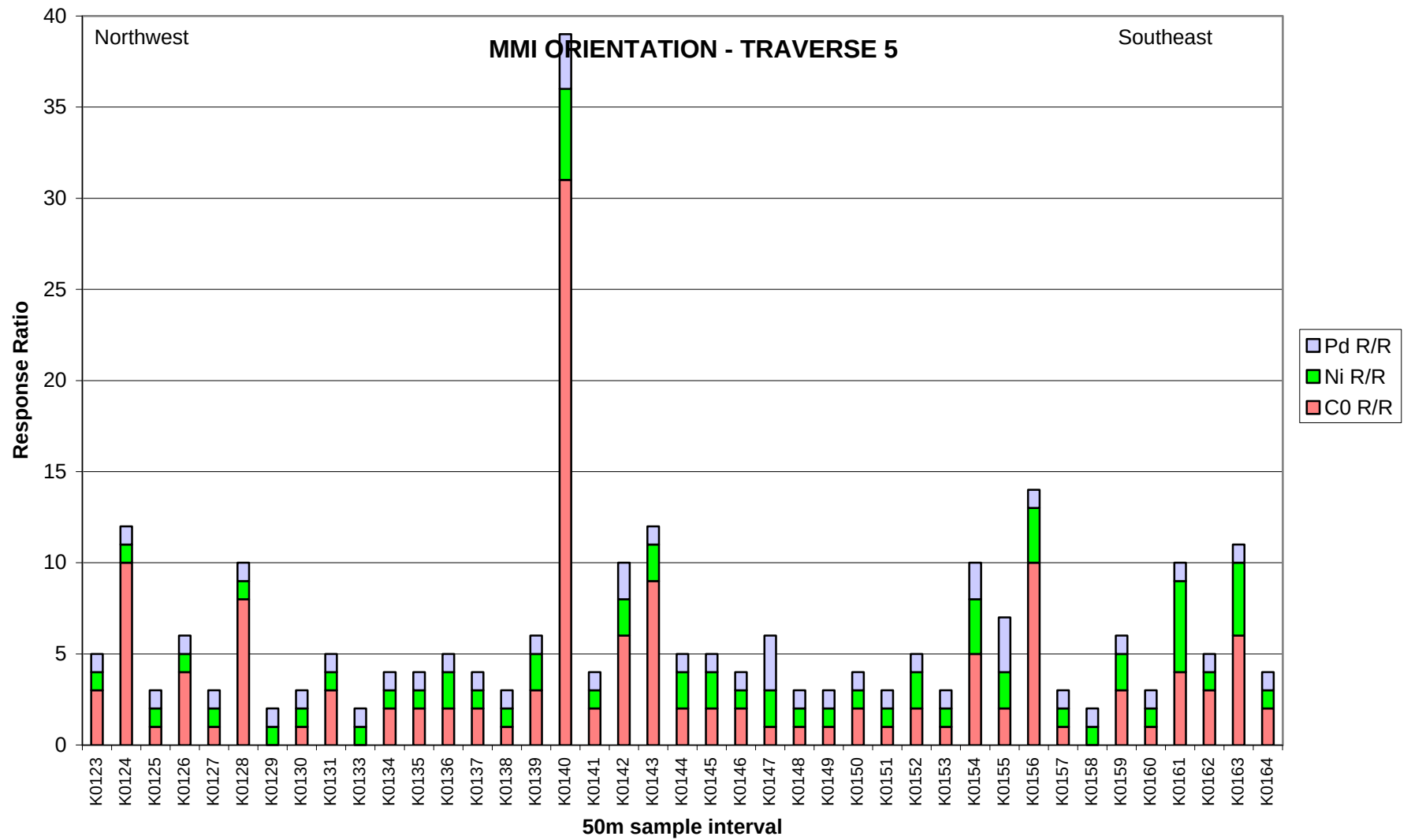










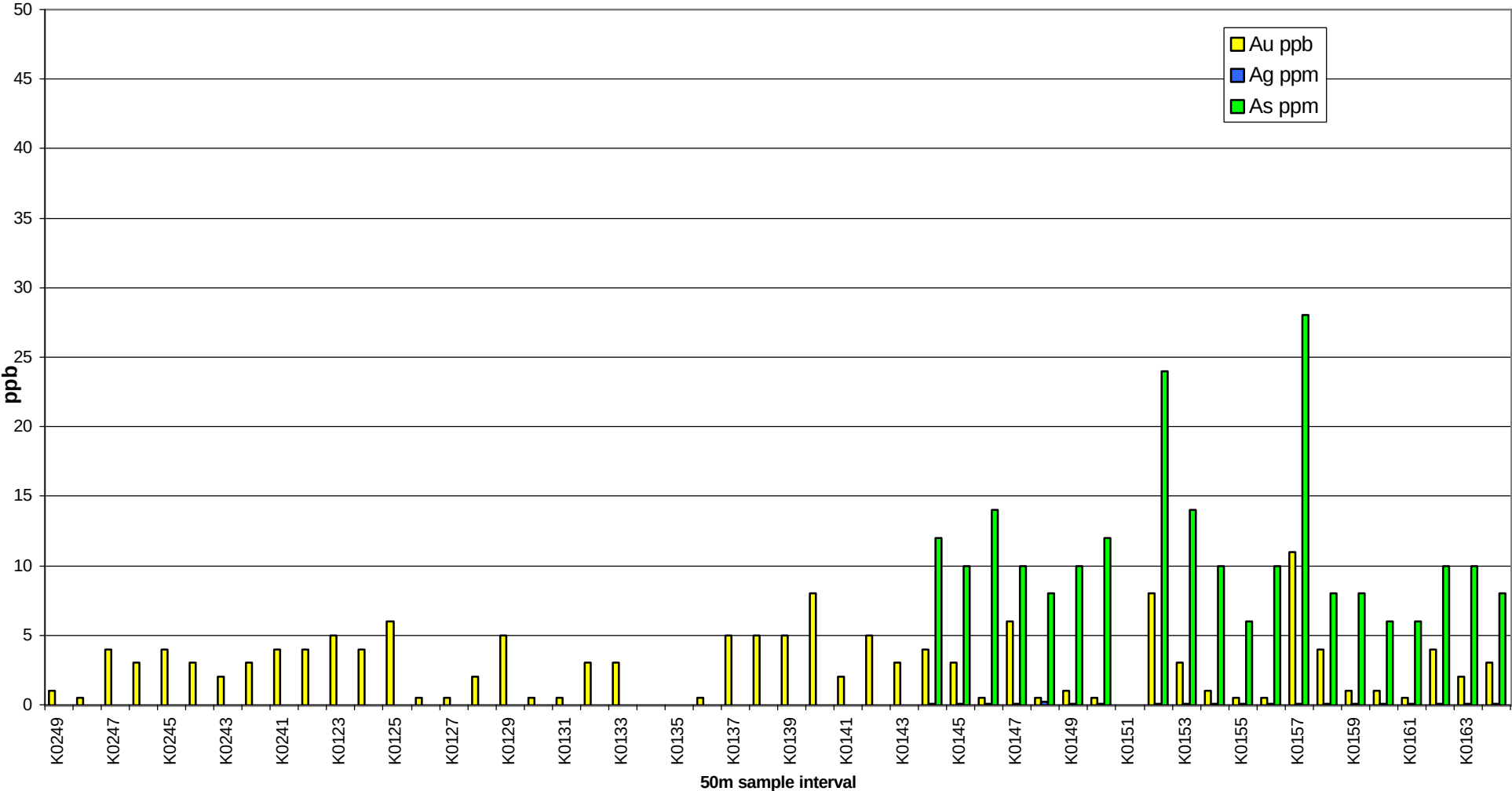


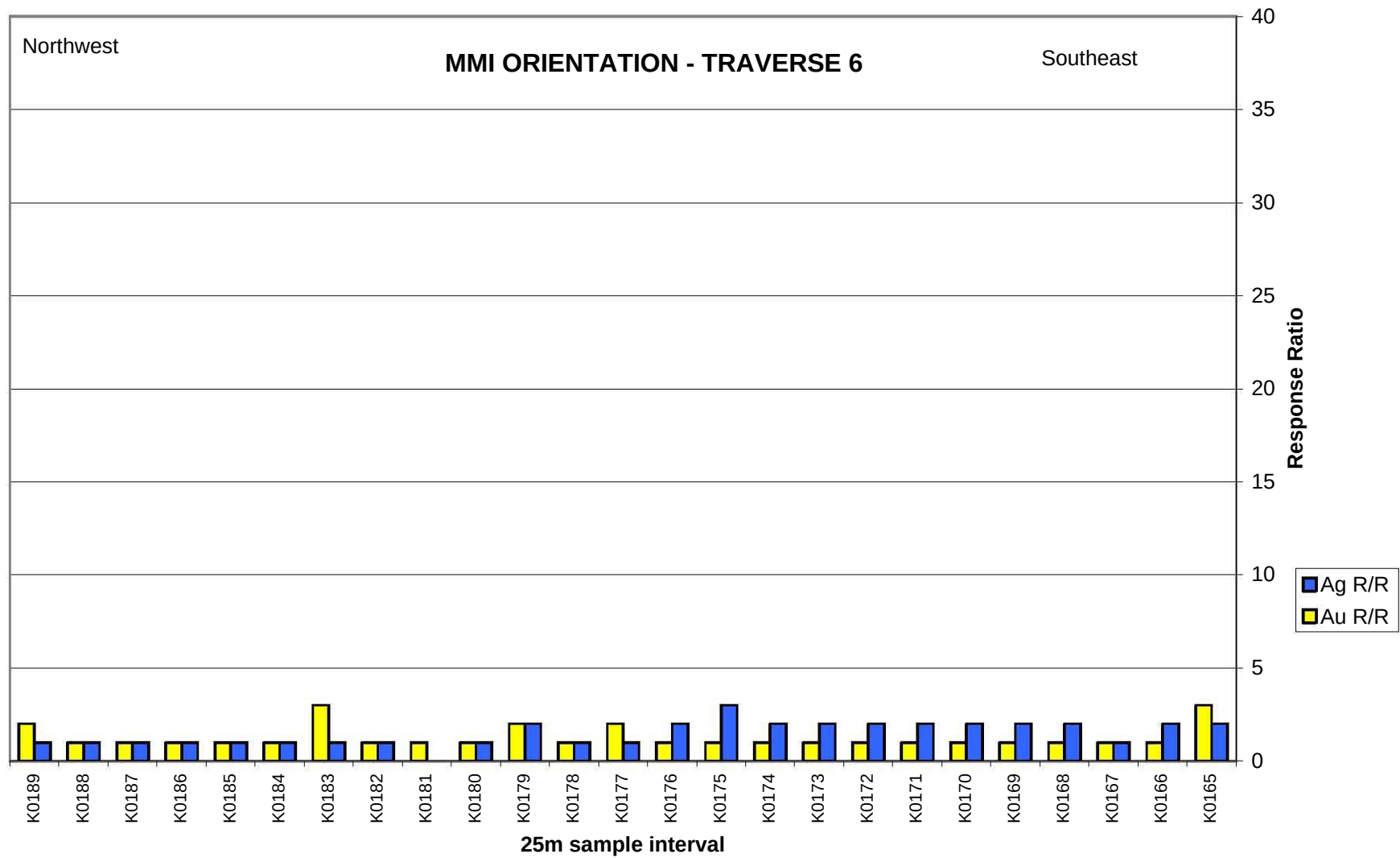
KSL EXPLORATION (YUKON) LIMITED

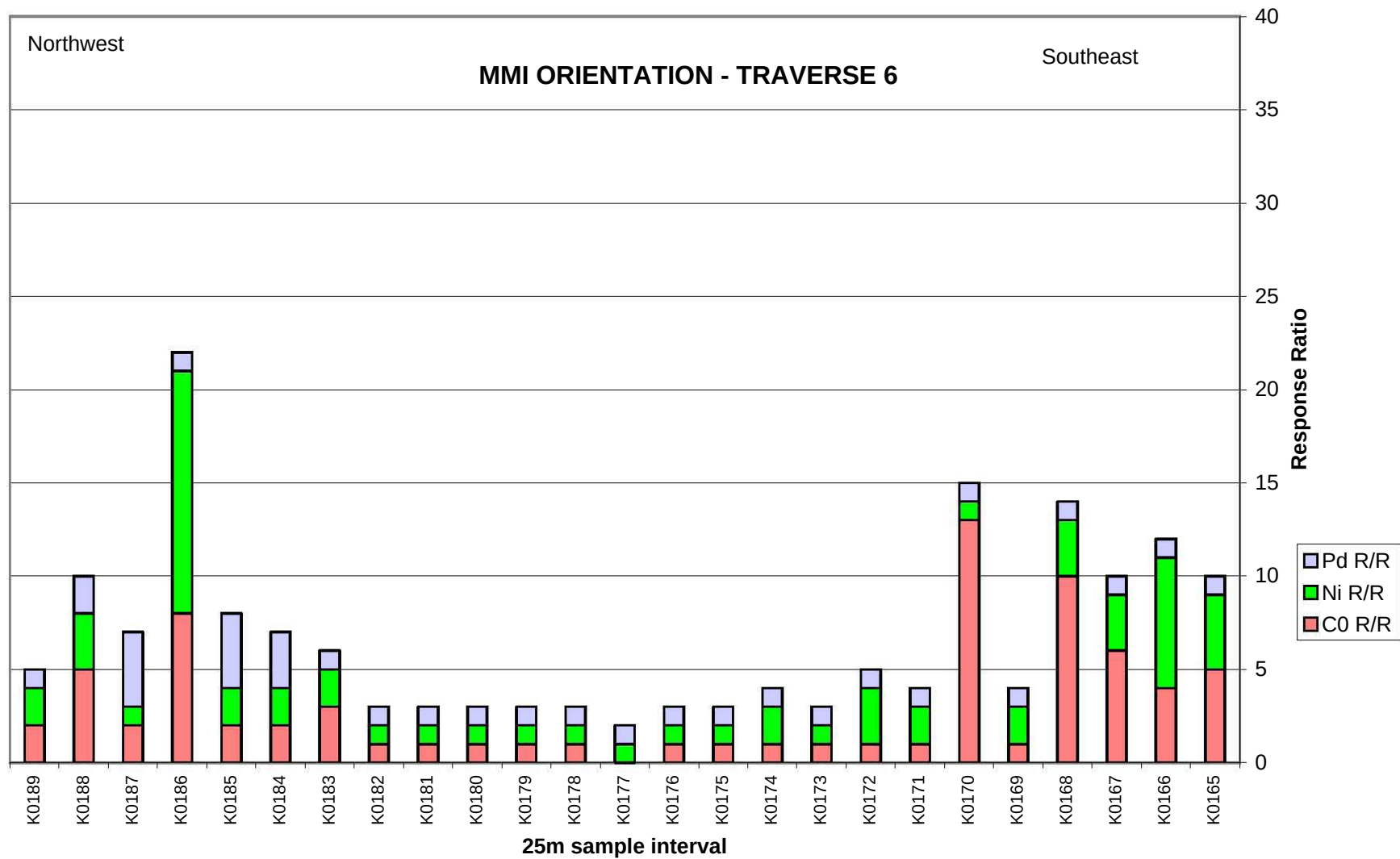
Northwest

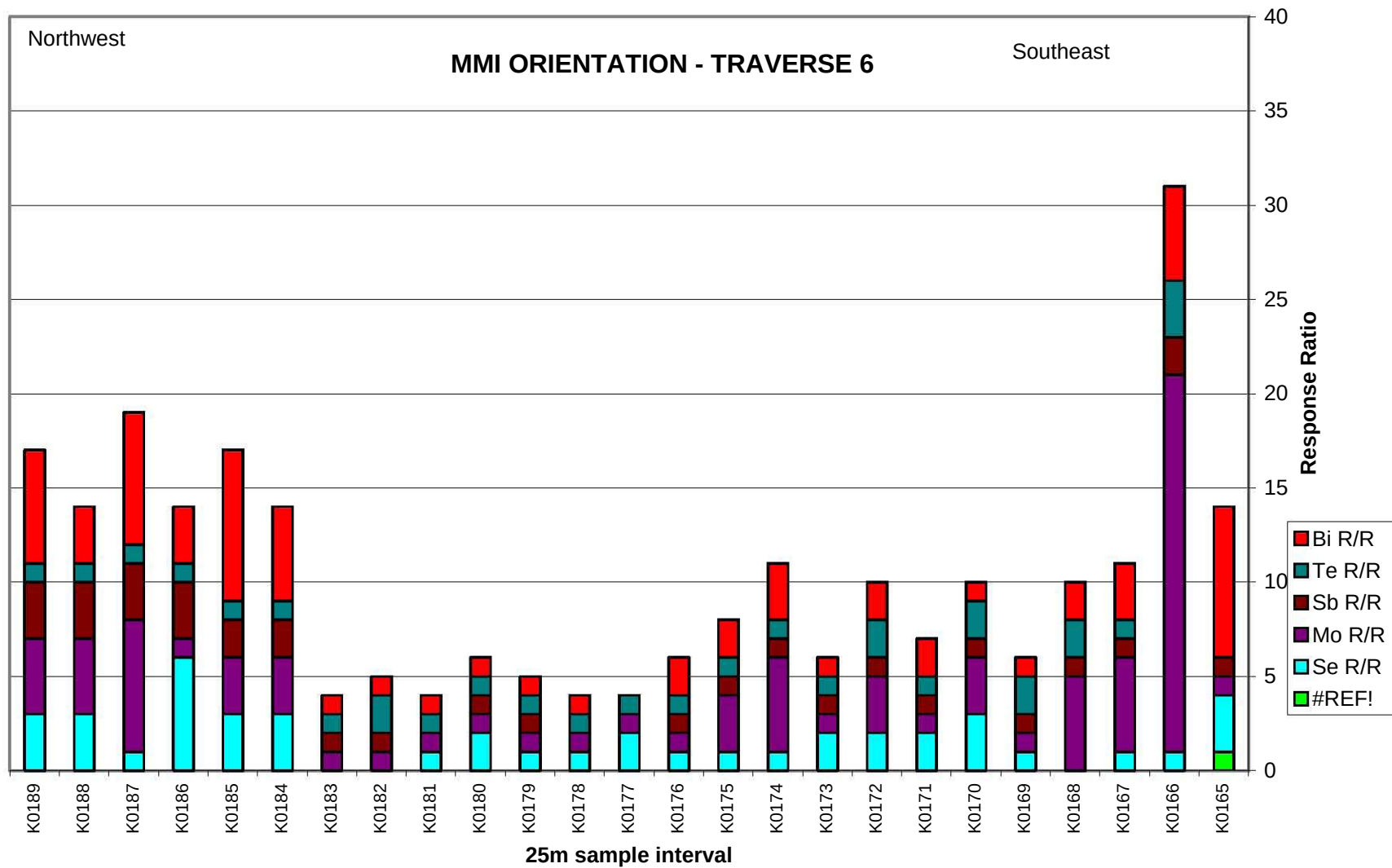
-80# TRAVERSES 5 &5A

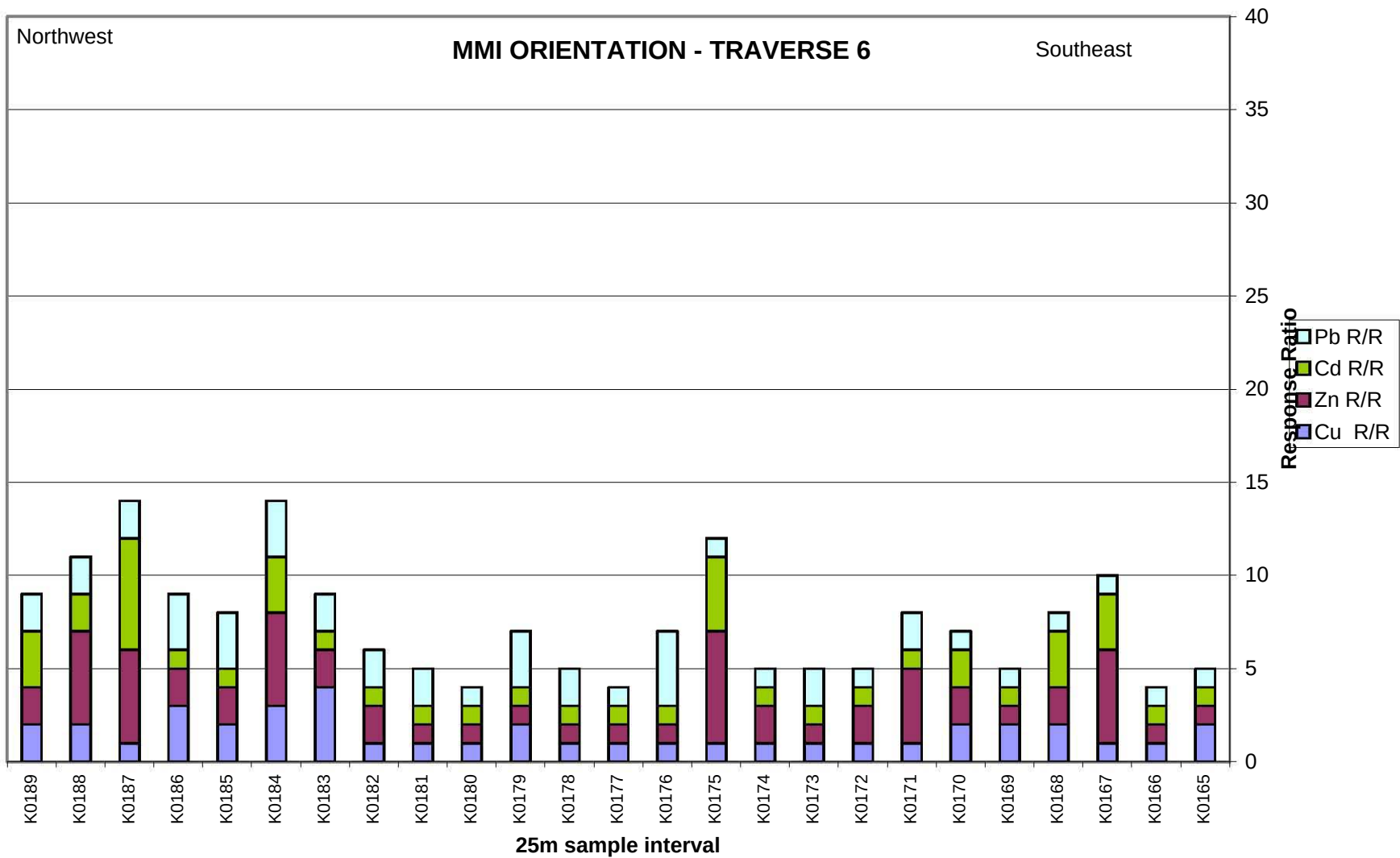
Southeast

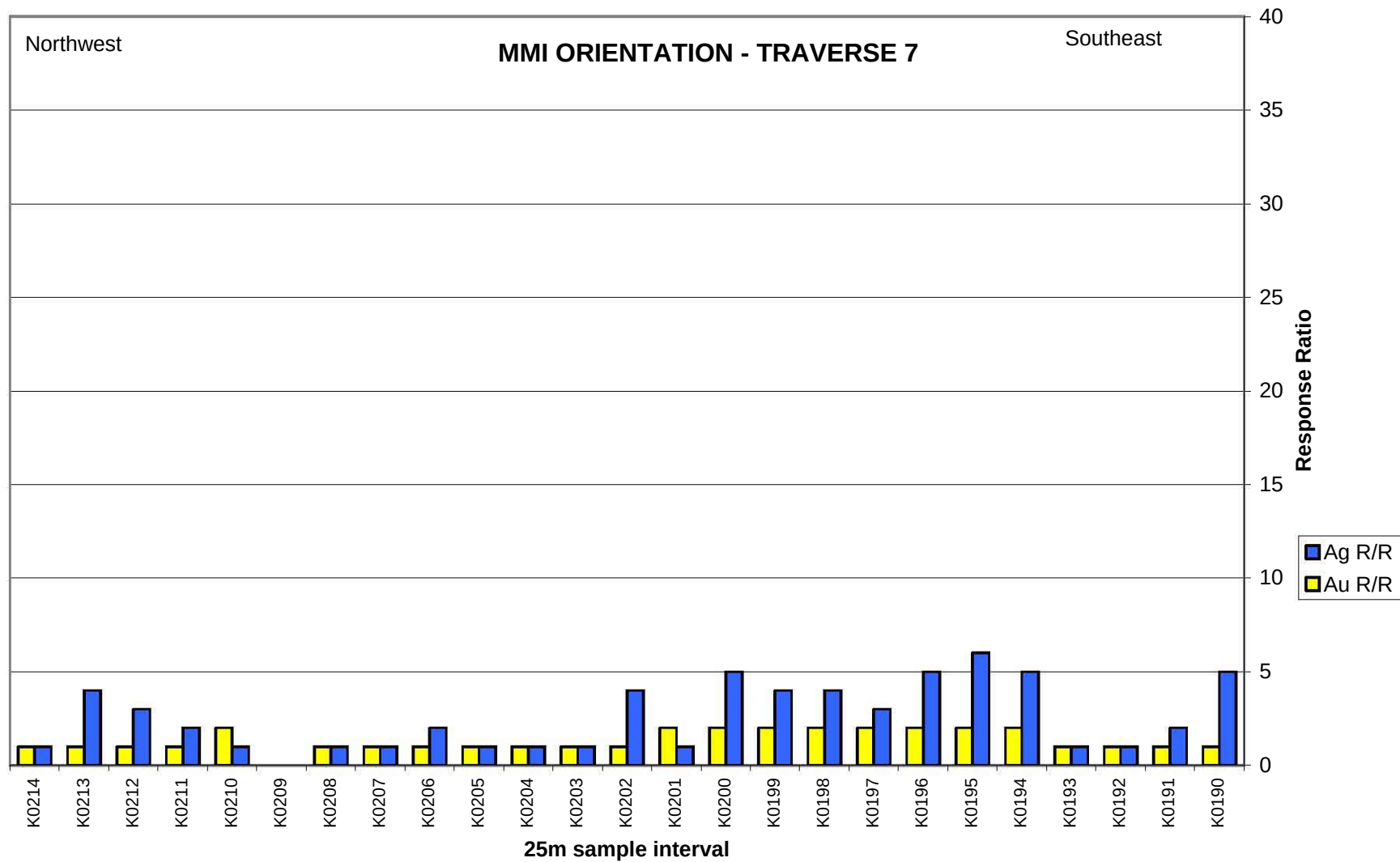


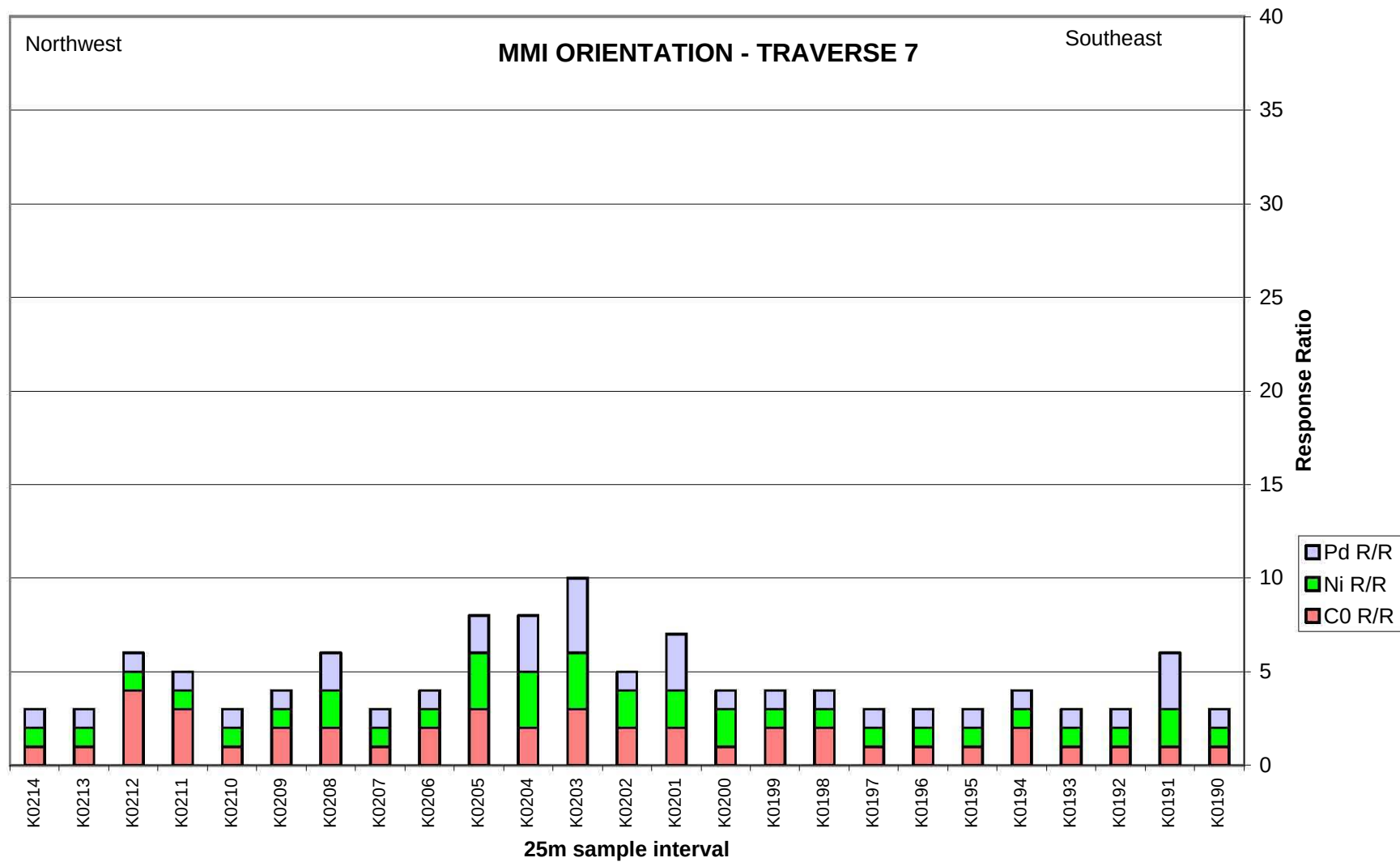


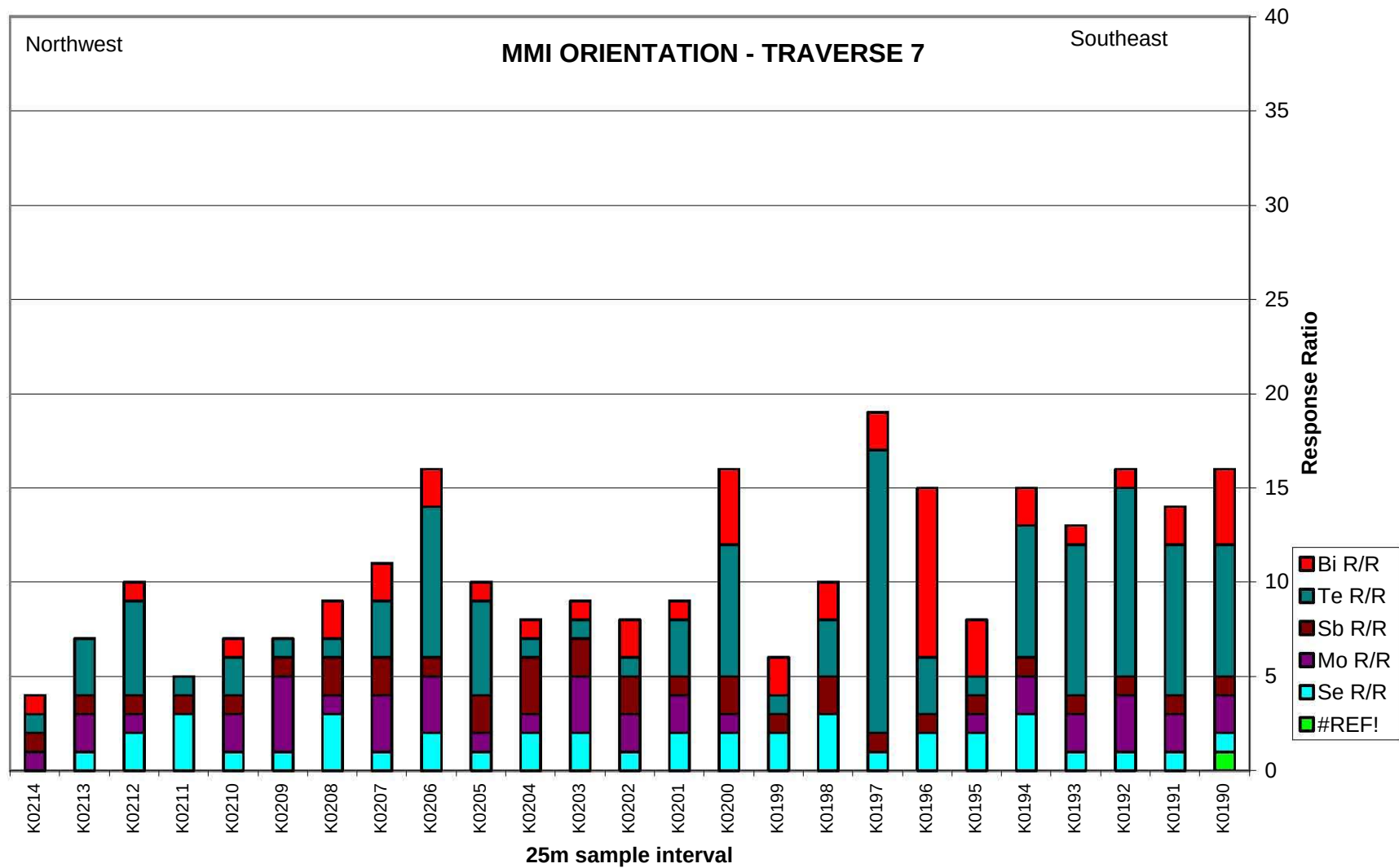


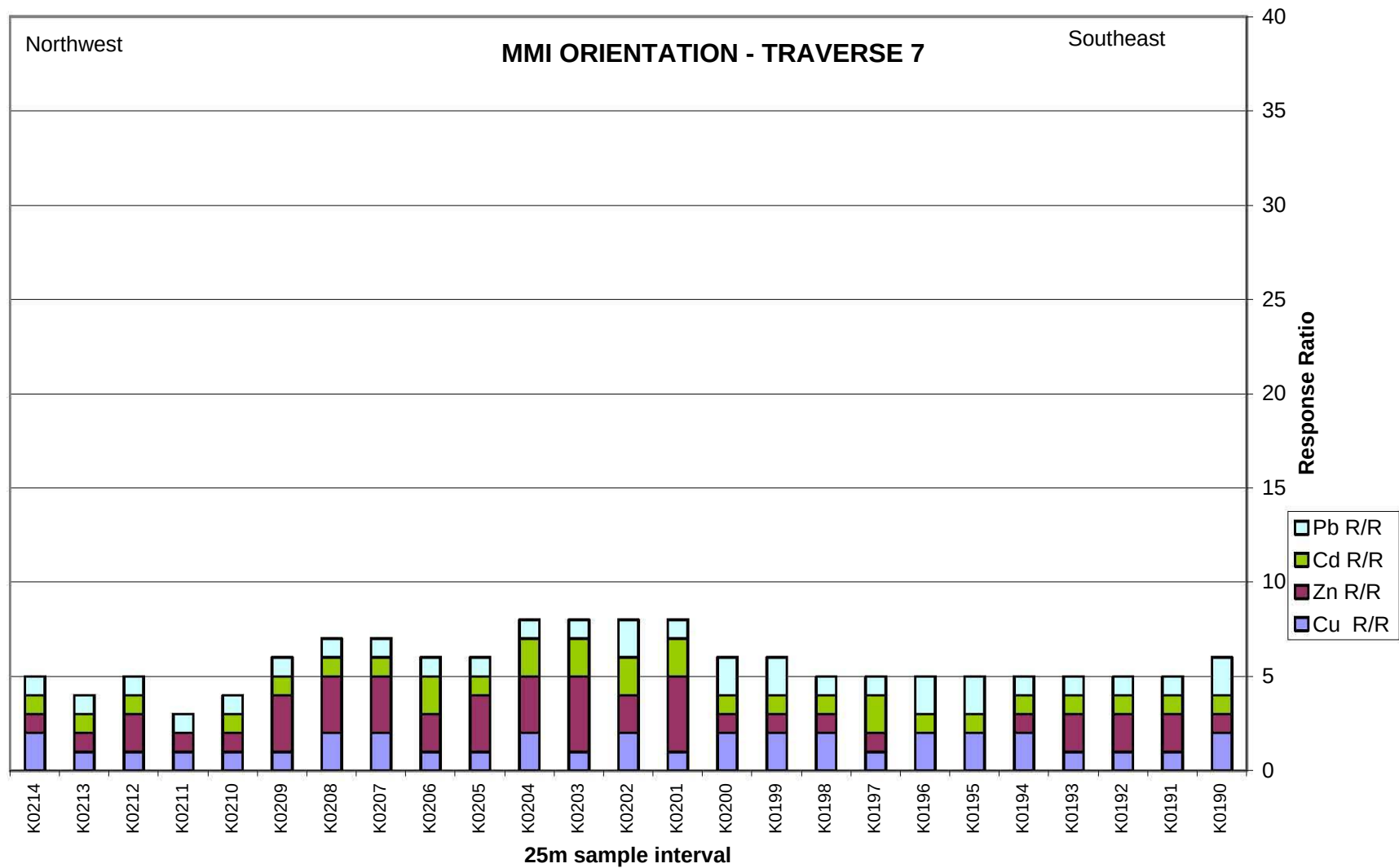




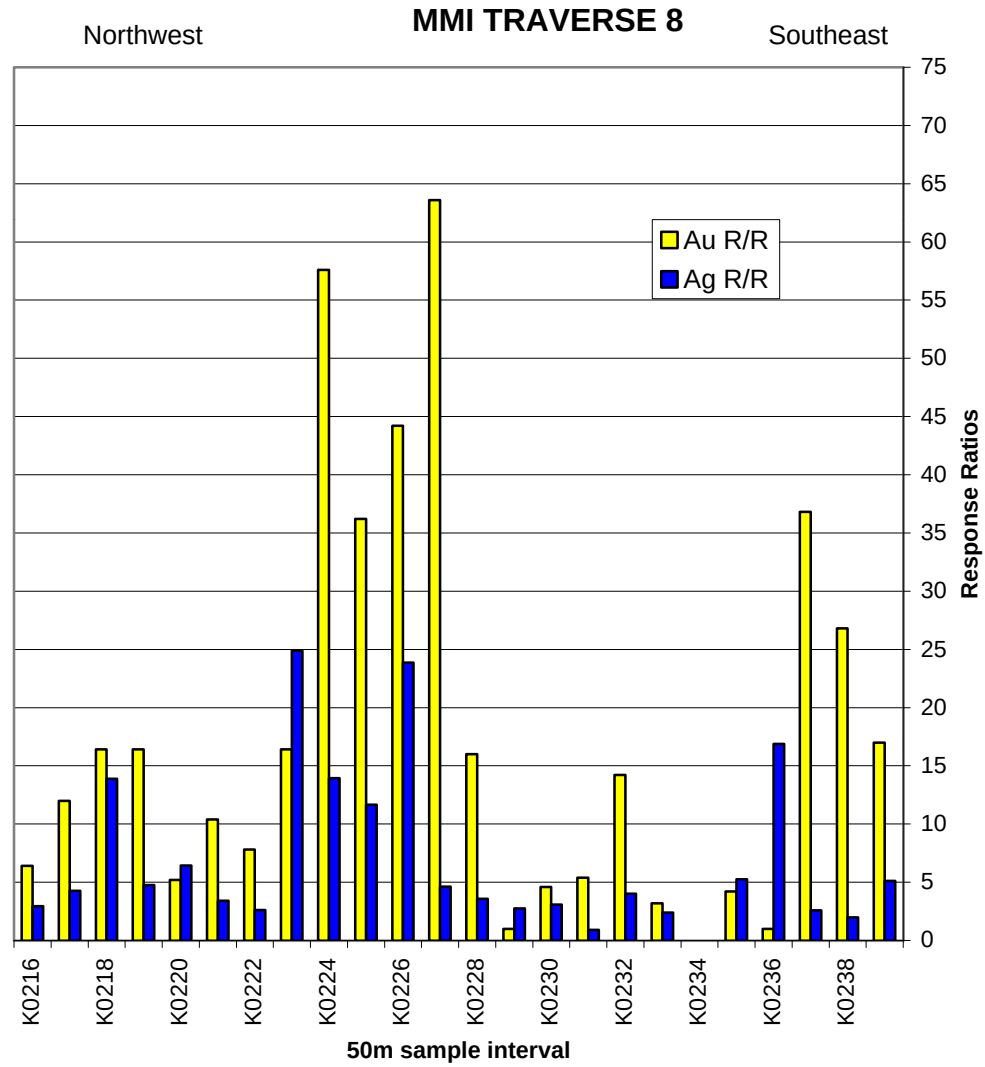




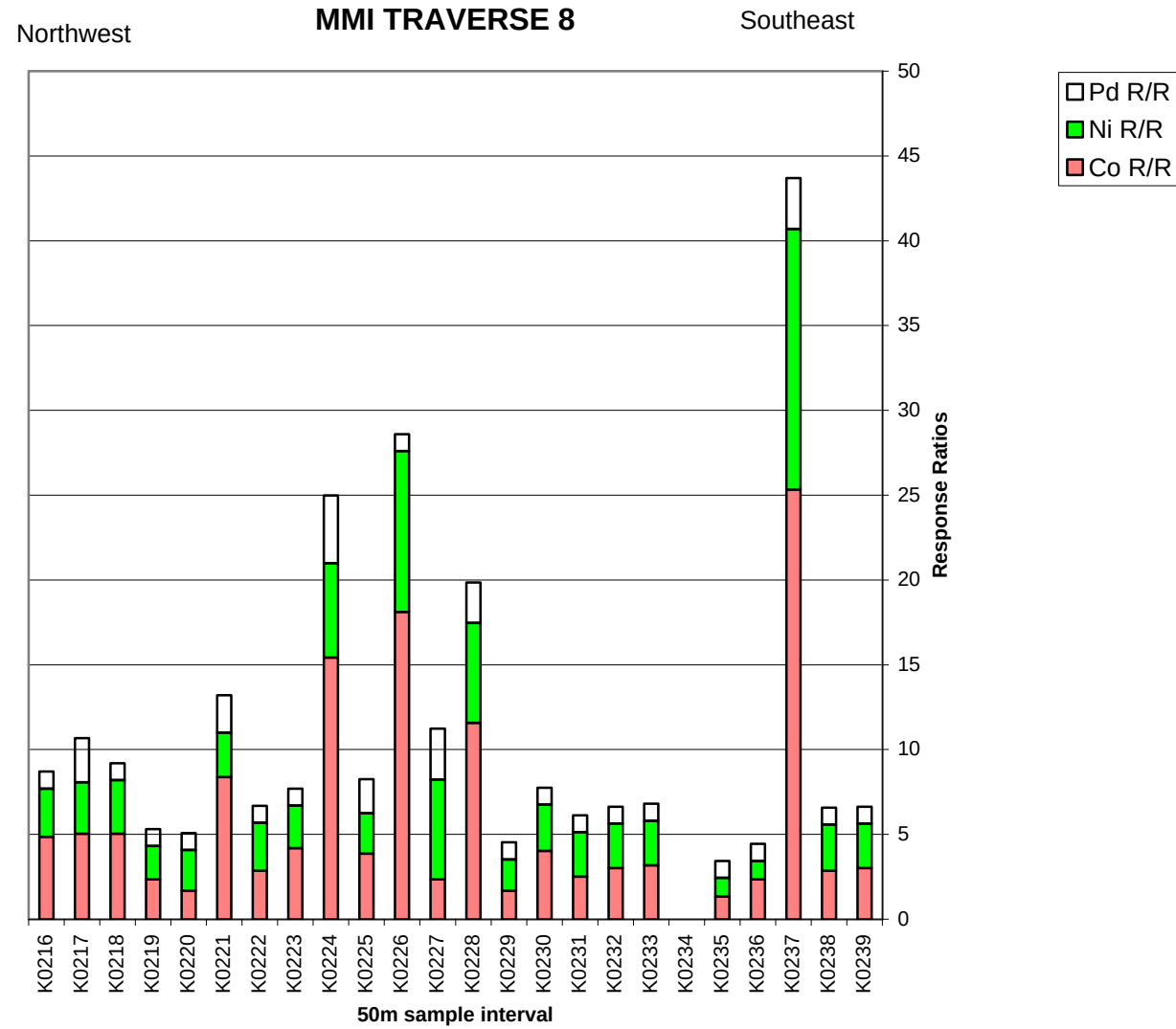




KSL EXPLORATION (YUKON) LIMITED



KSL EXPLORATION (YUKON) LIMITED

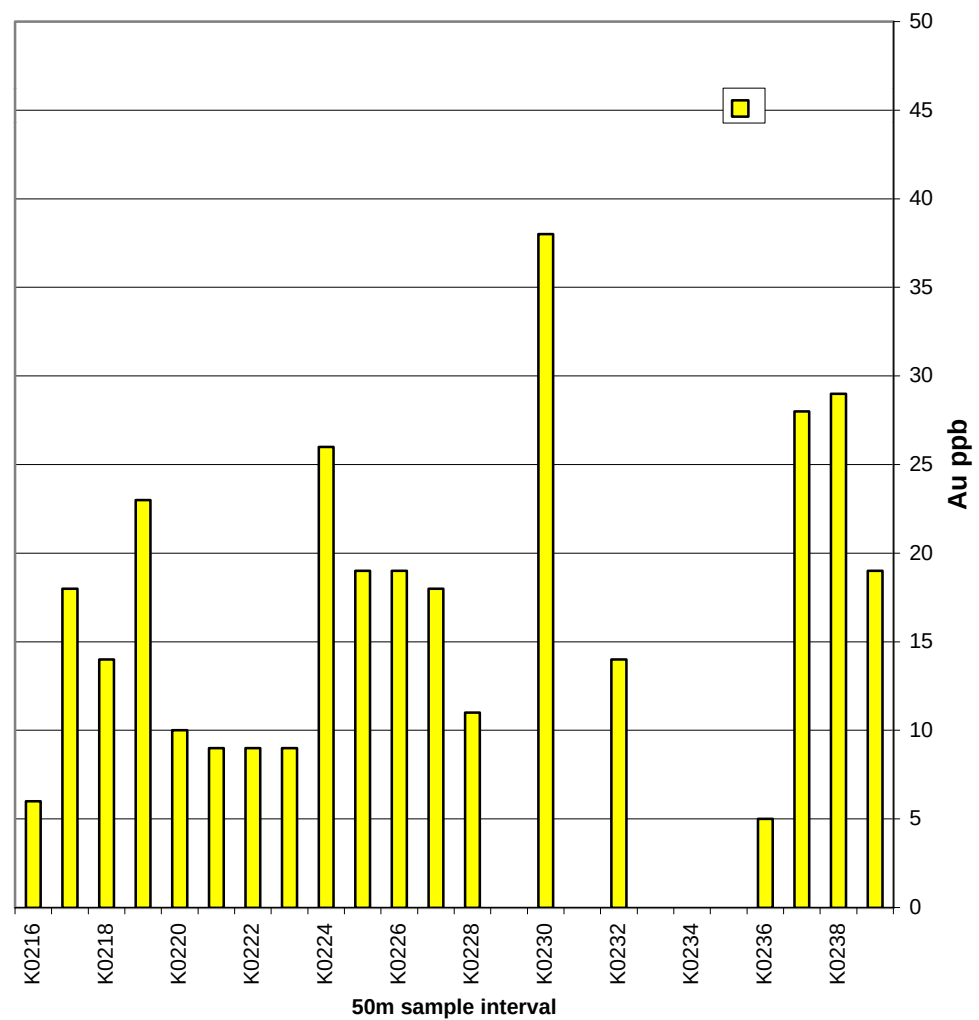


KSL EXPLORATION (YUKON) LIMITED

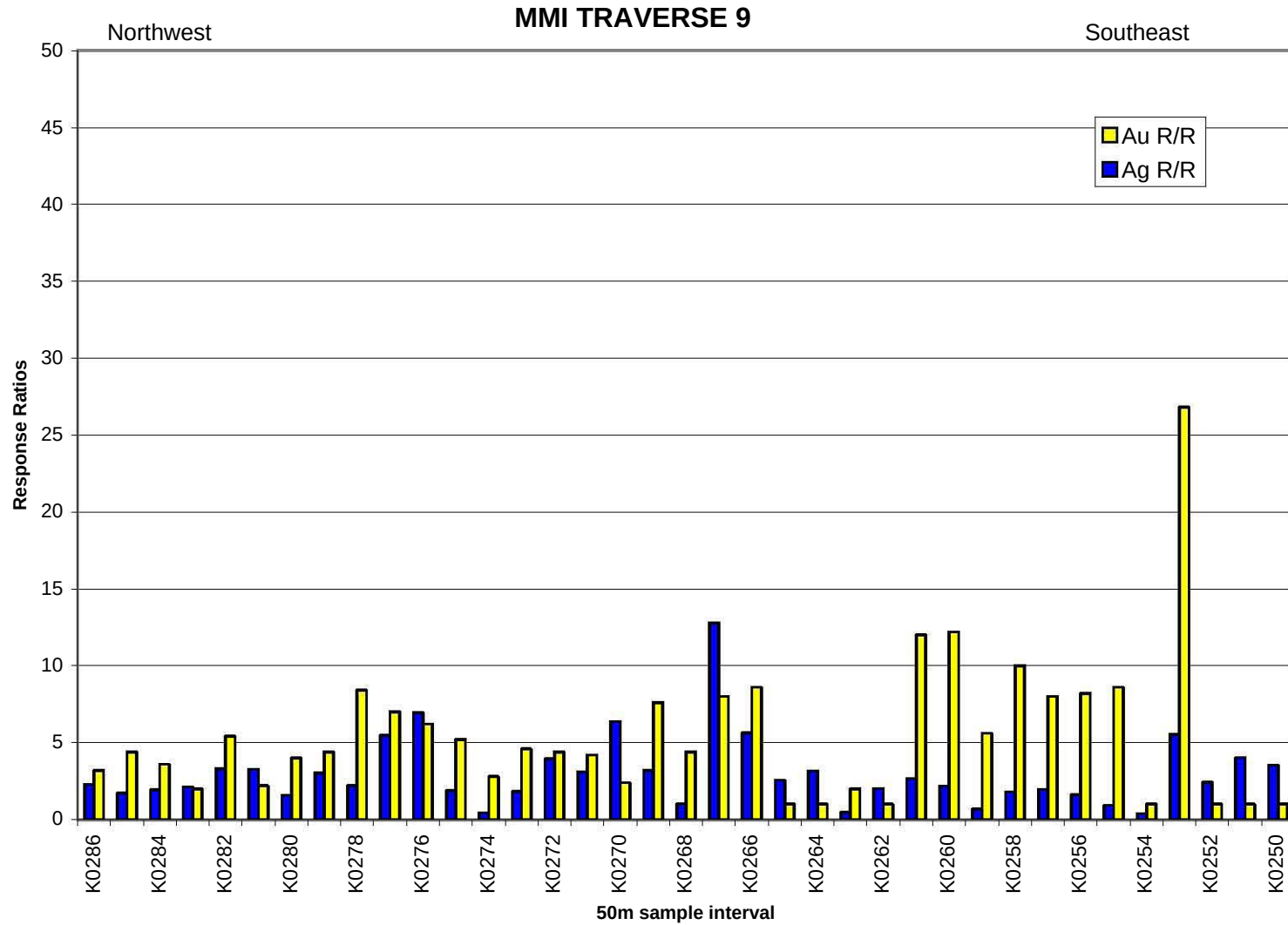
Northwest

-80# TRAVERSE 8

Southeast

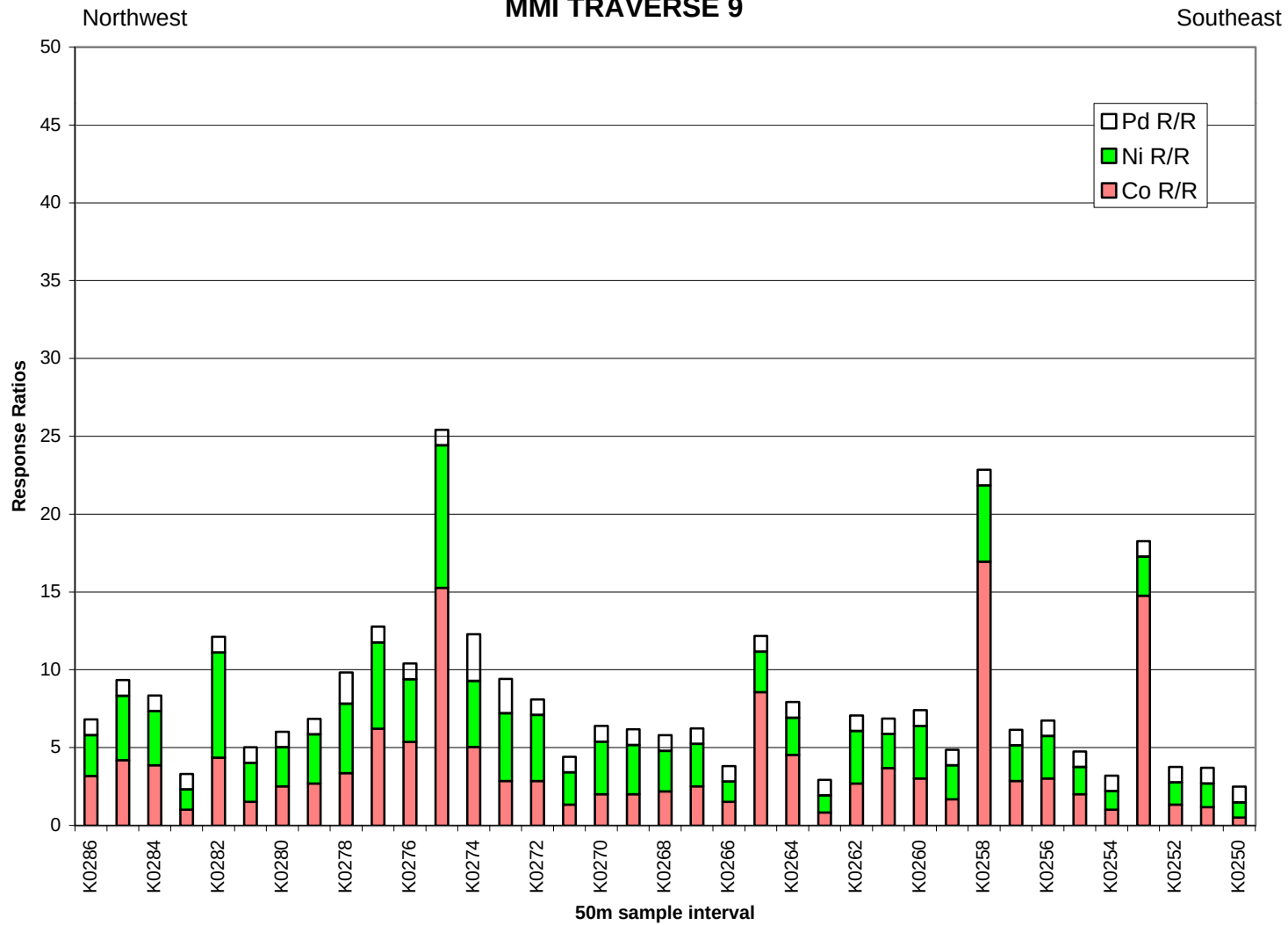


KSL EXPLORATION (YUKON) LIMITED

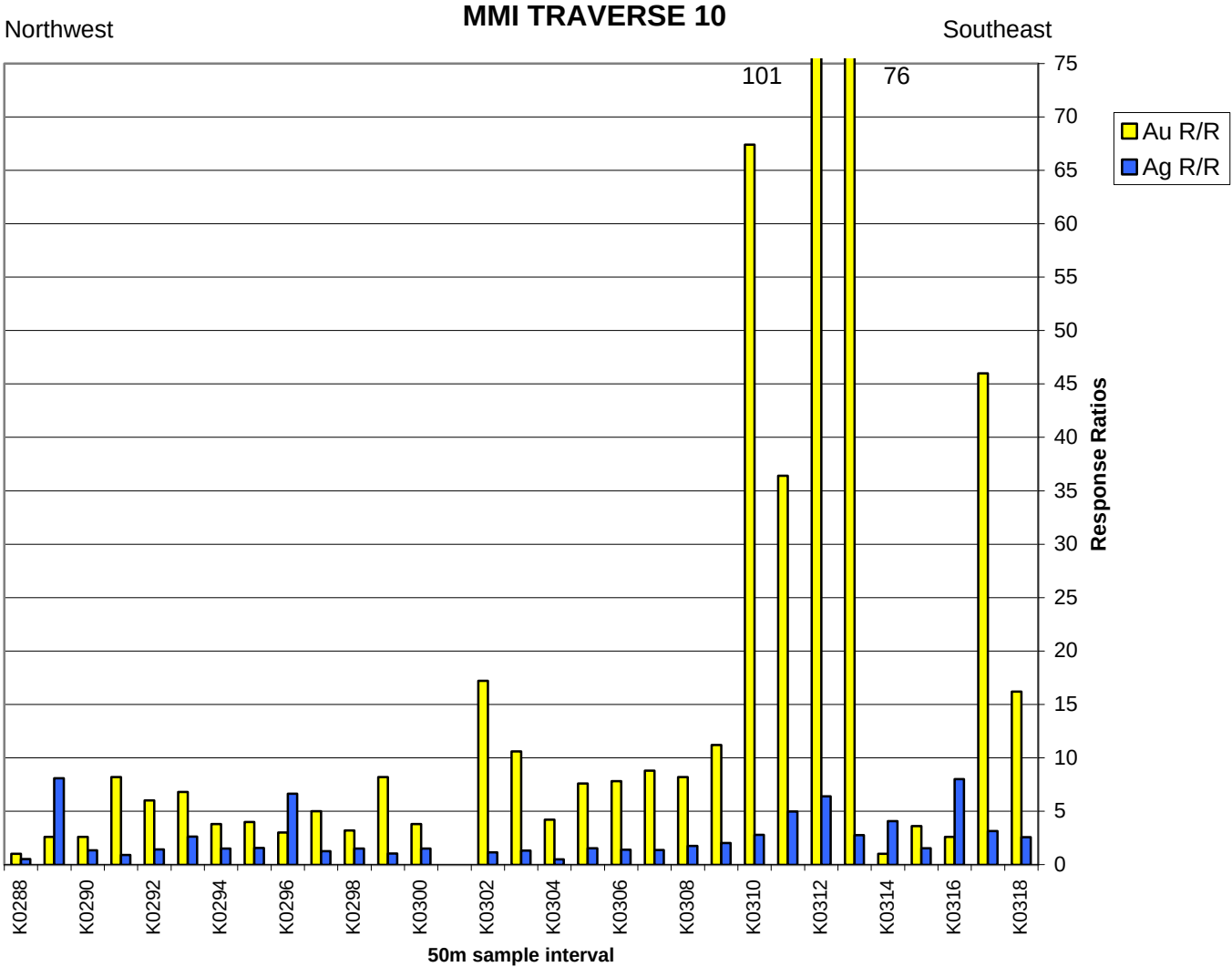


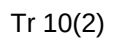
KSL EXPLORATION (YUKON) LIMITED

MMI TRAVERSE 9

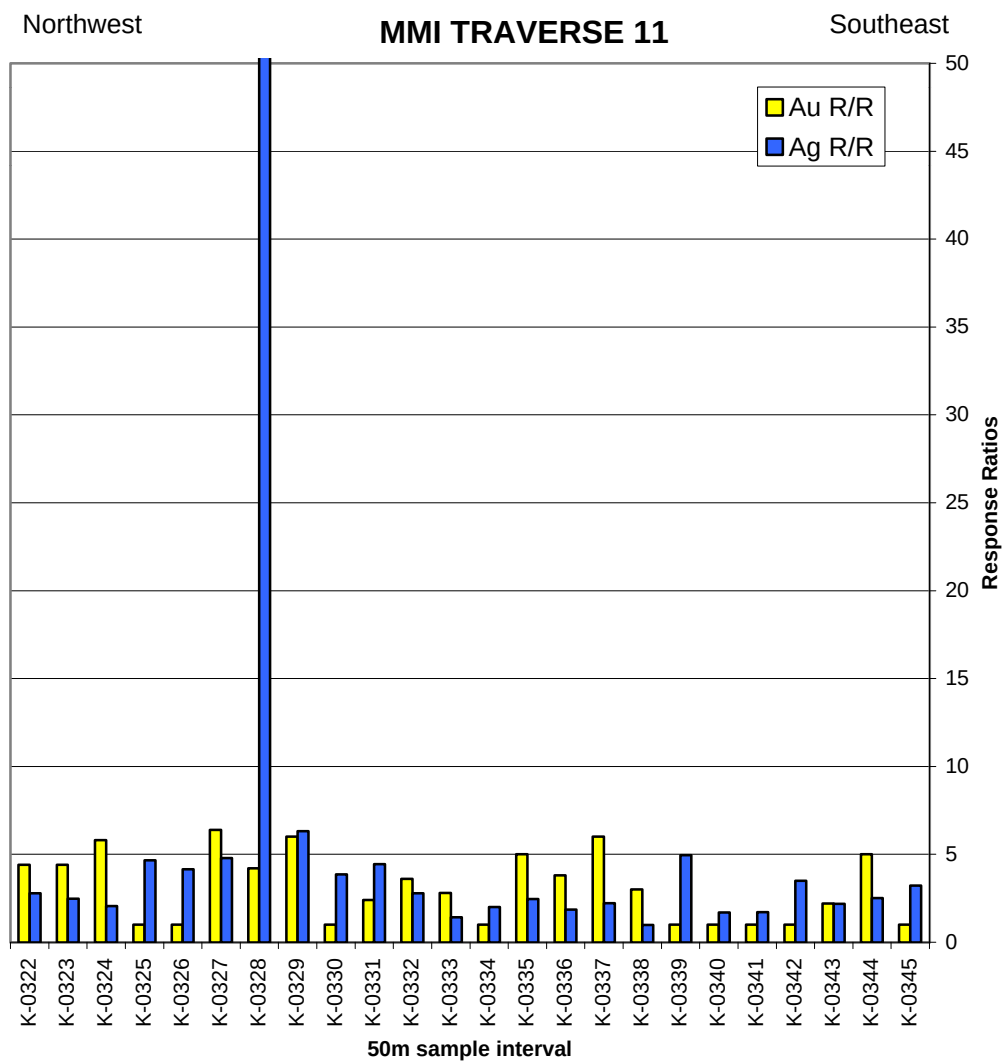


KSL EPLORATION (YUKON) LIMITED



Northwest **MMI TRAVERSE 10** Southeast

KSL EXPLORATION (YUKON) LIMITED

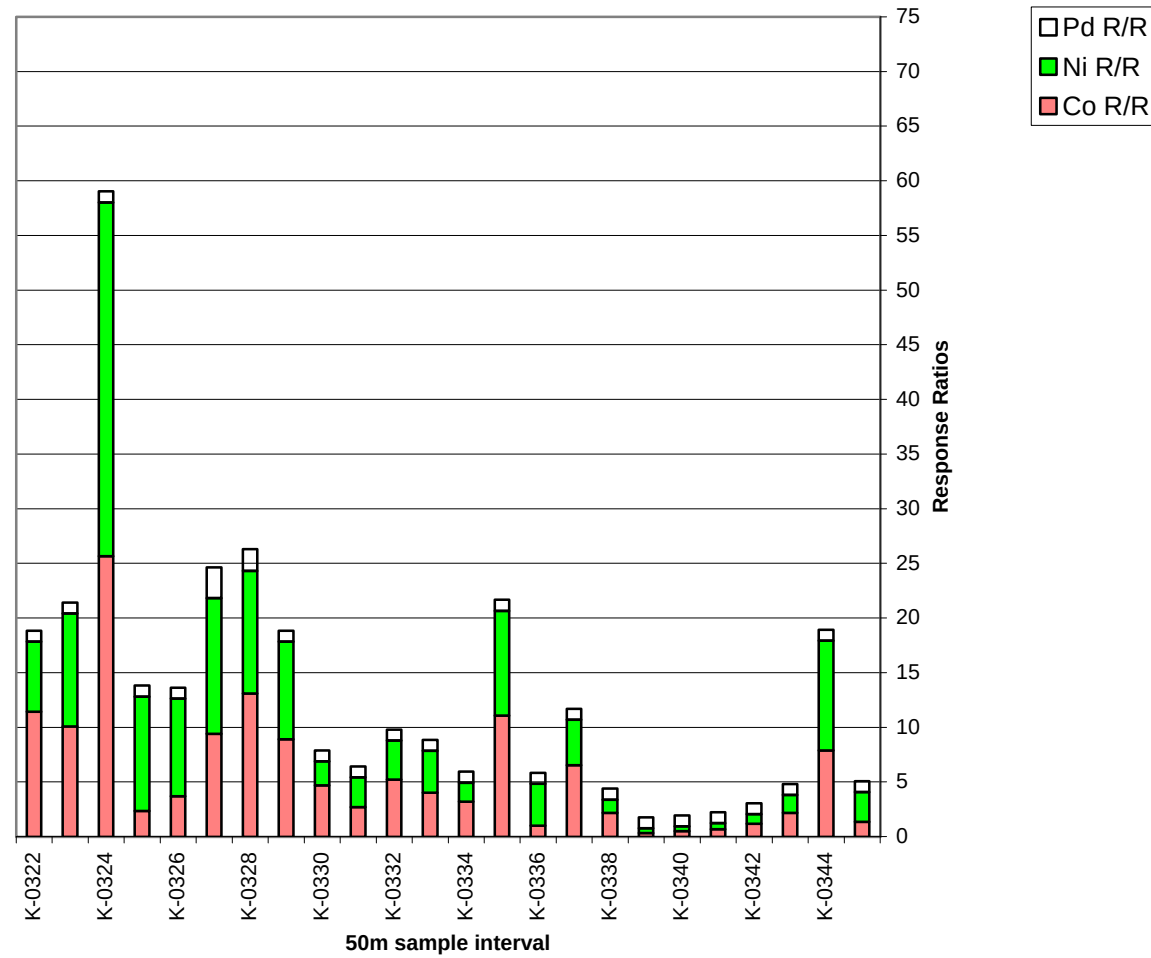


KSL EXPLORATION (YUKON) LIMITED

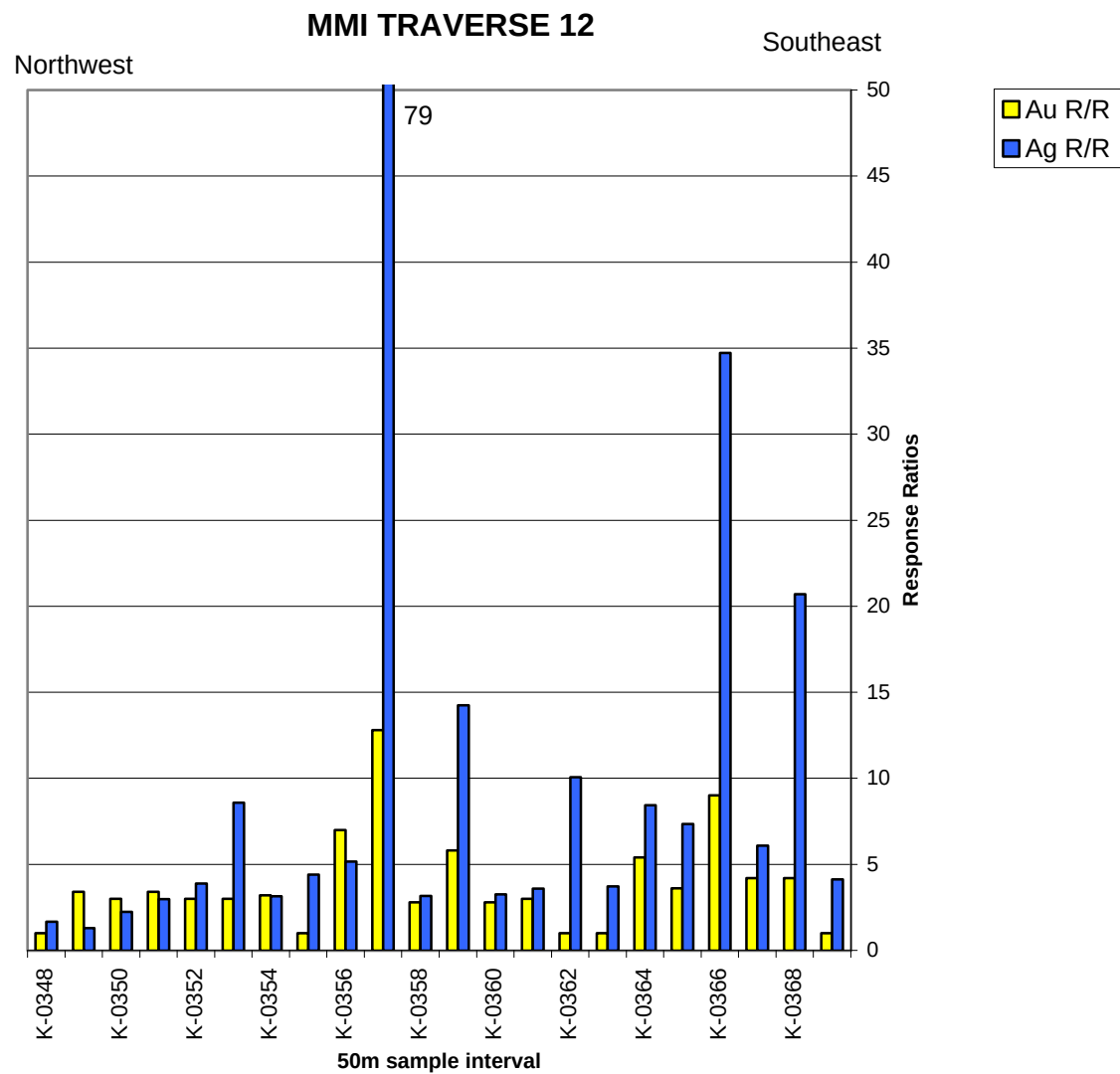
Northwest

MMI TRAVERSE 11

Southeast



KSL EXPLORATION (YUKON) LIMITED

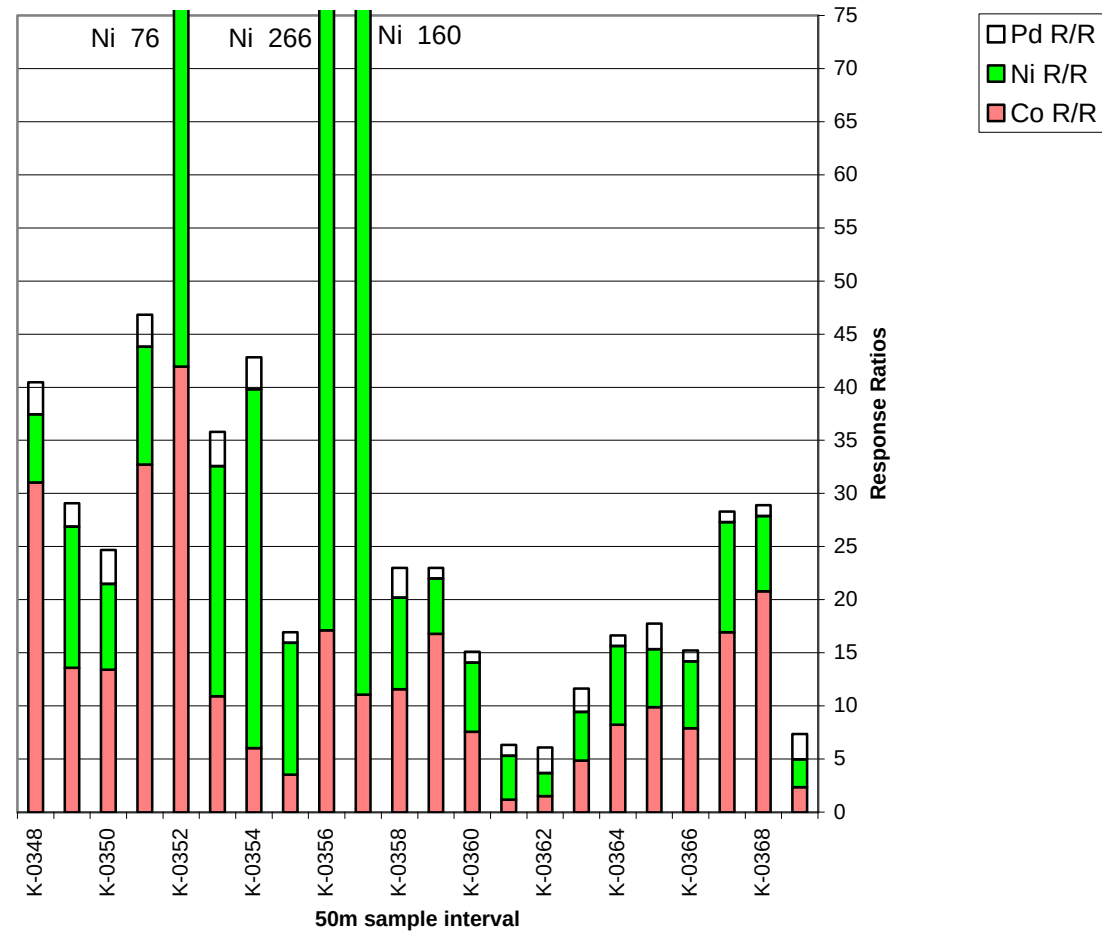


KSL EXPLORATION (YUKON) LIMITED

MMI TRAVERSE 12

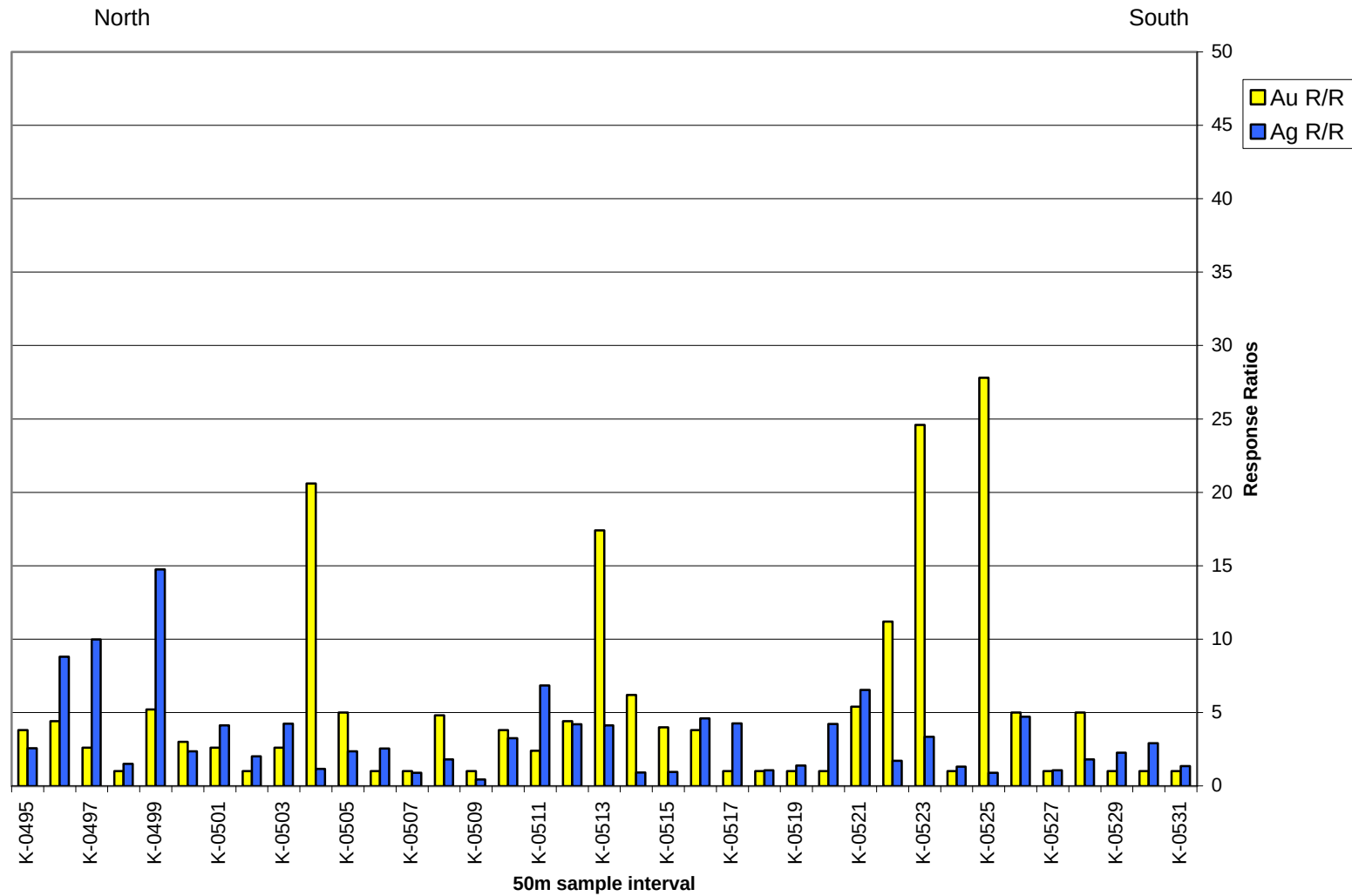
Northwest

Southeast



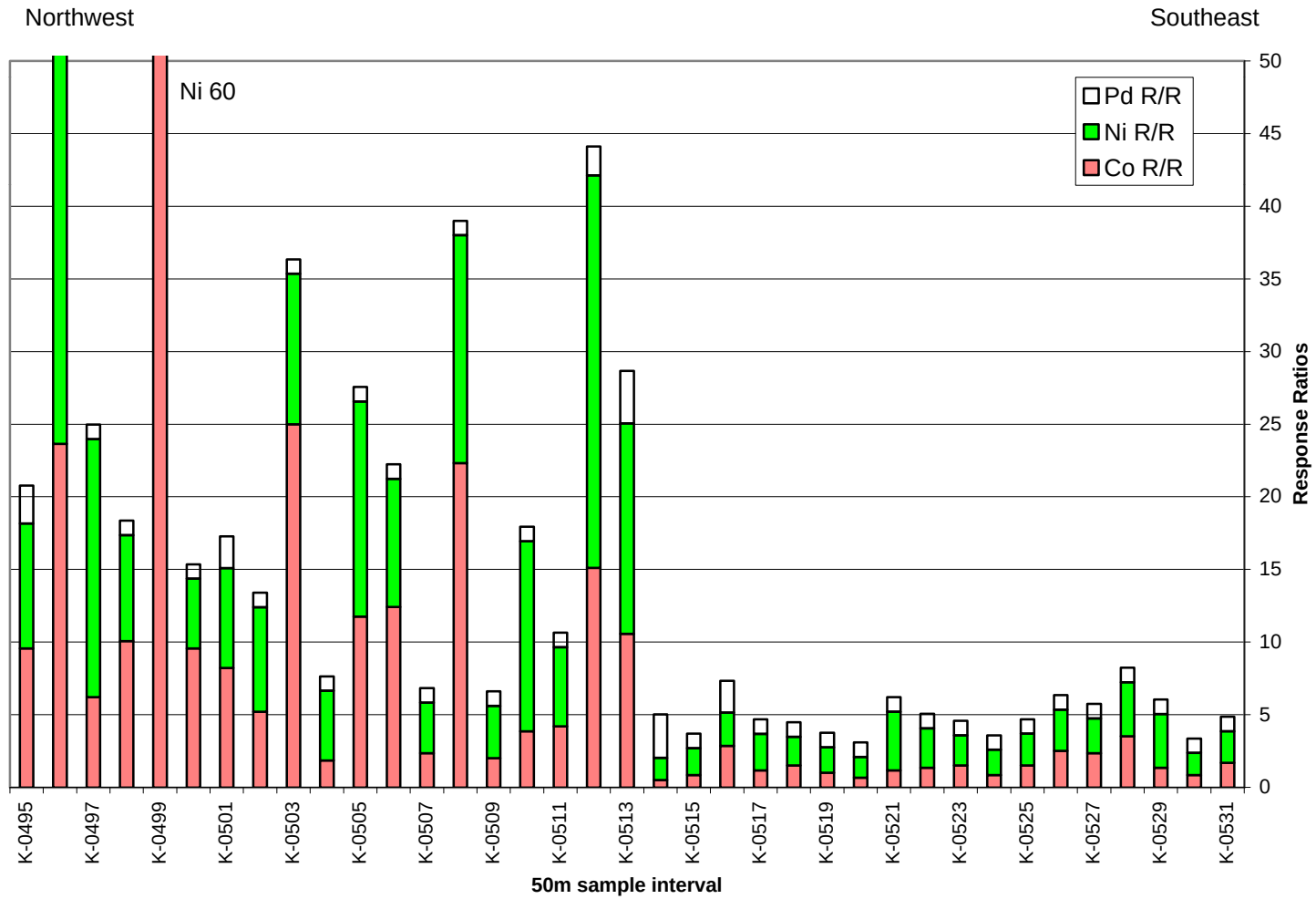
KSL EXPLORATION (YUKON) LIMITED

MMI TRAVERSE 13

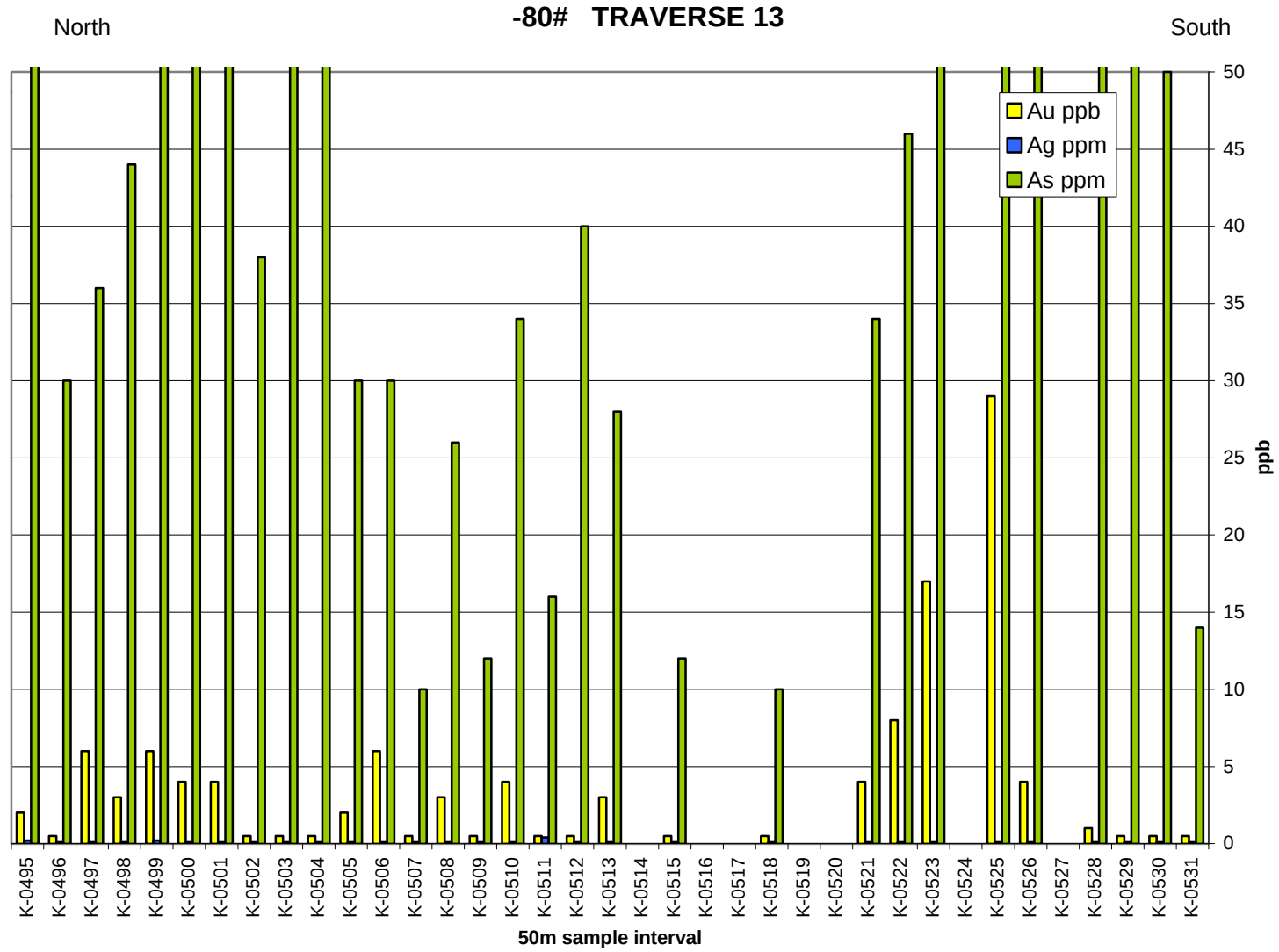


KSL EXPLORATION (YUKON) LIMITED

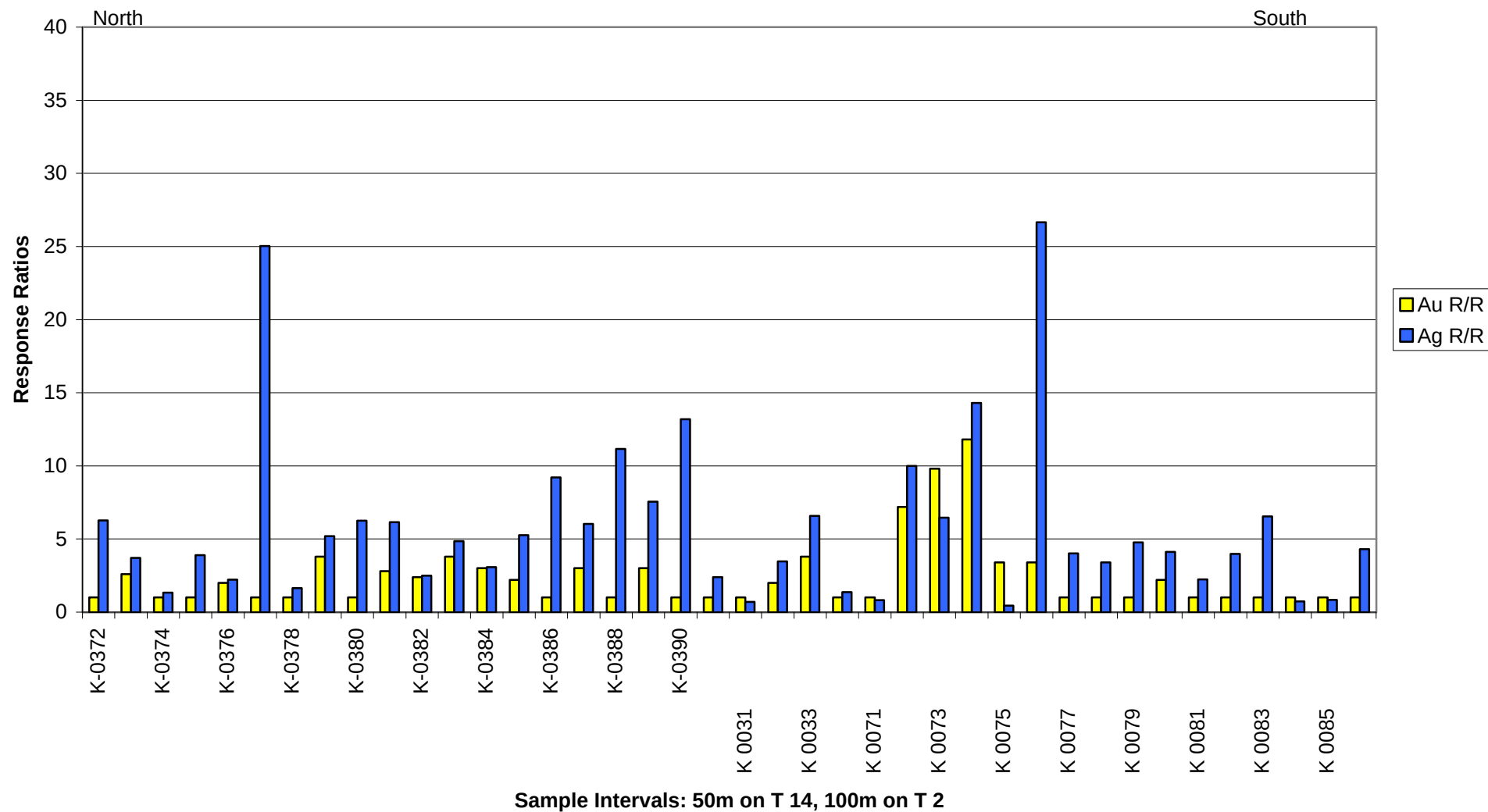
MMI TRAVERSE 13



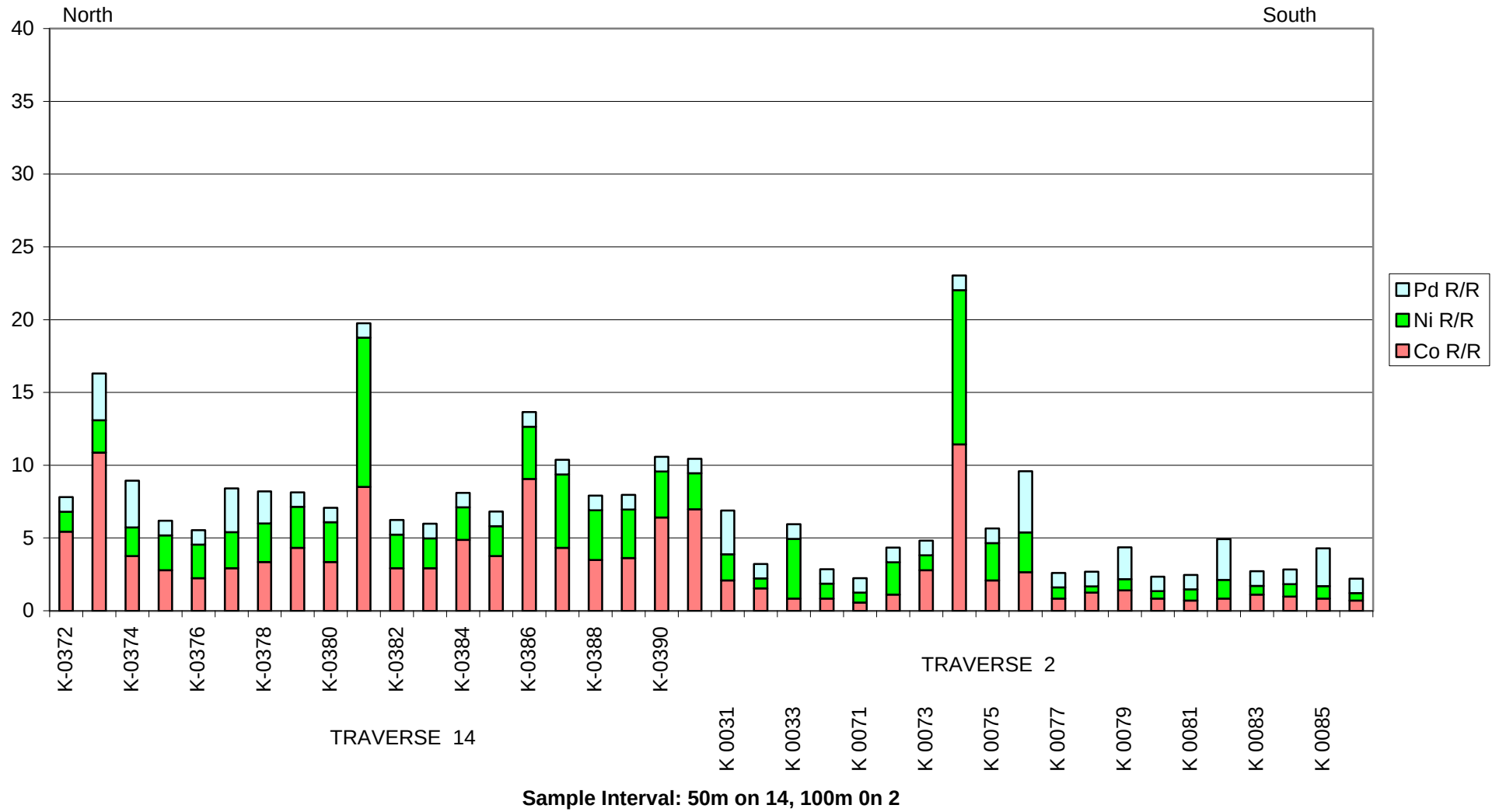
KSL EXPLORATION (YUKON) LIMITED



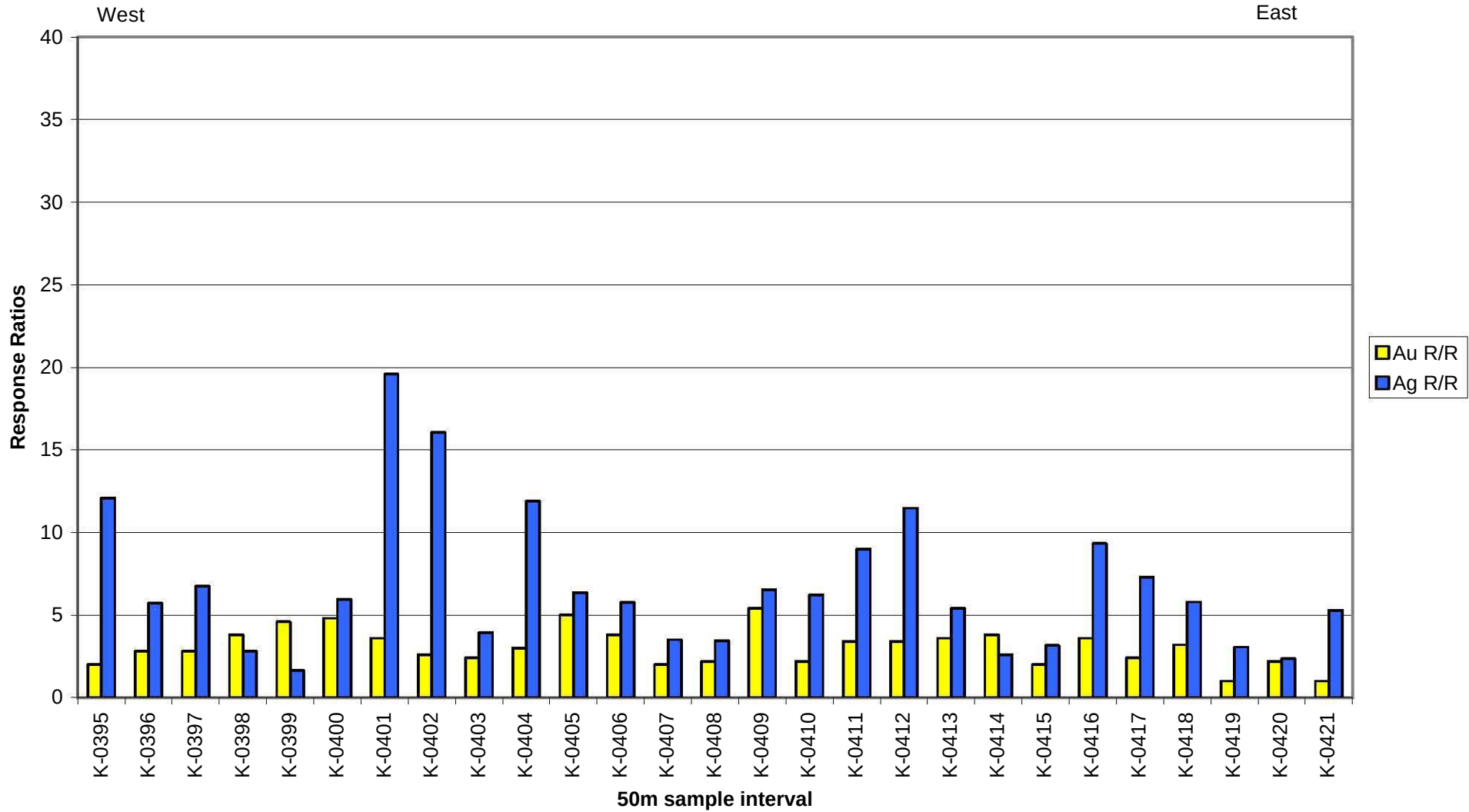
TRAVERSES 14 & 2



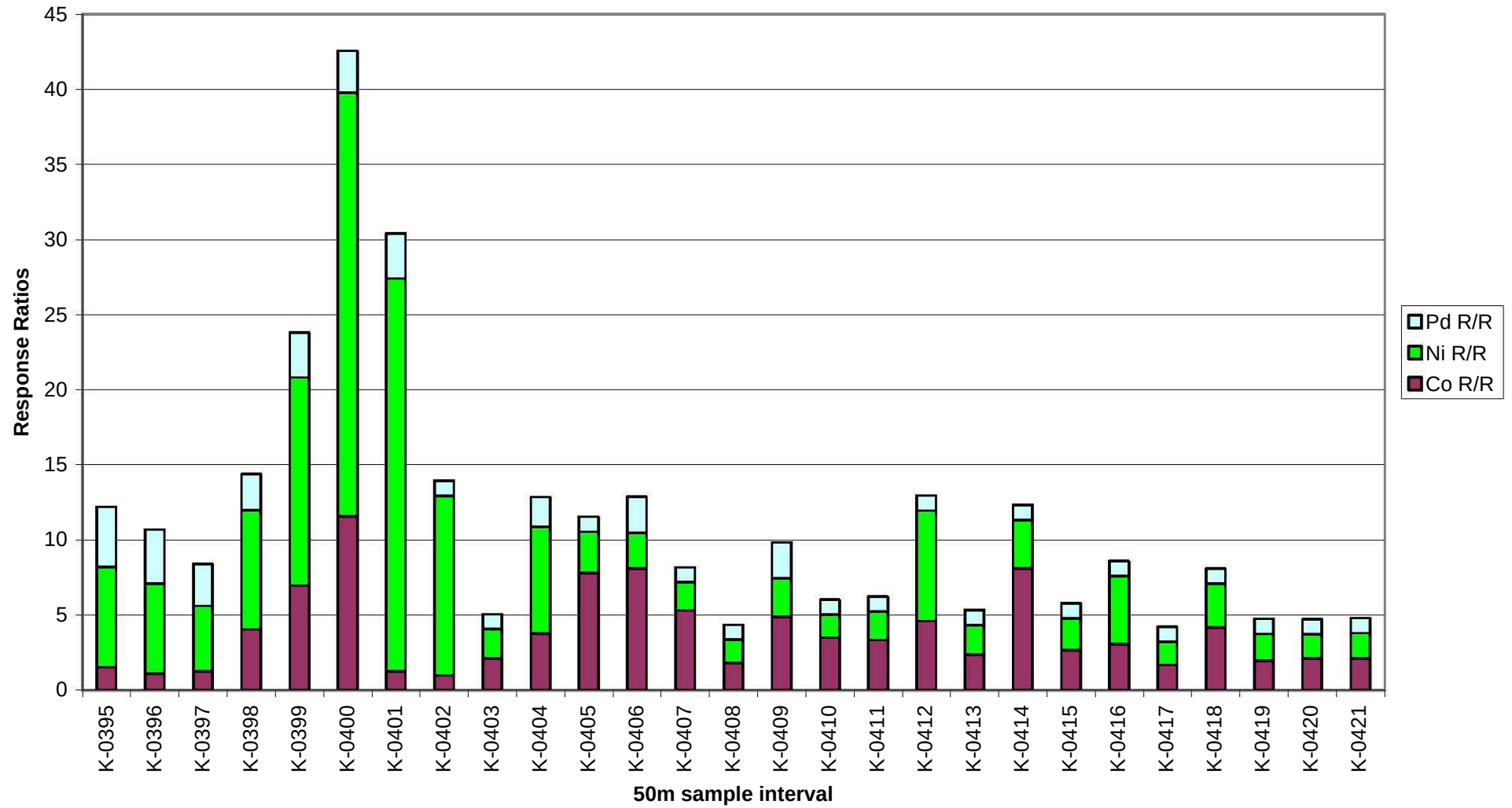
MMI TRAVERSE 14 & 2



MMI TRAVERSE 15



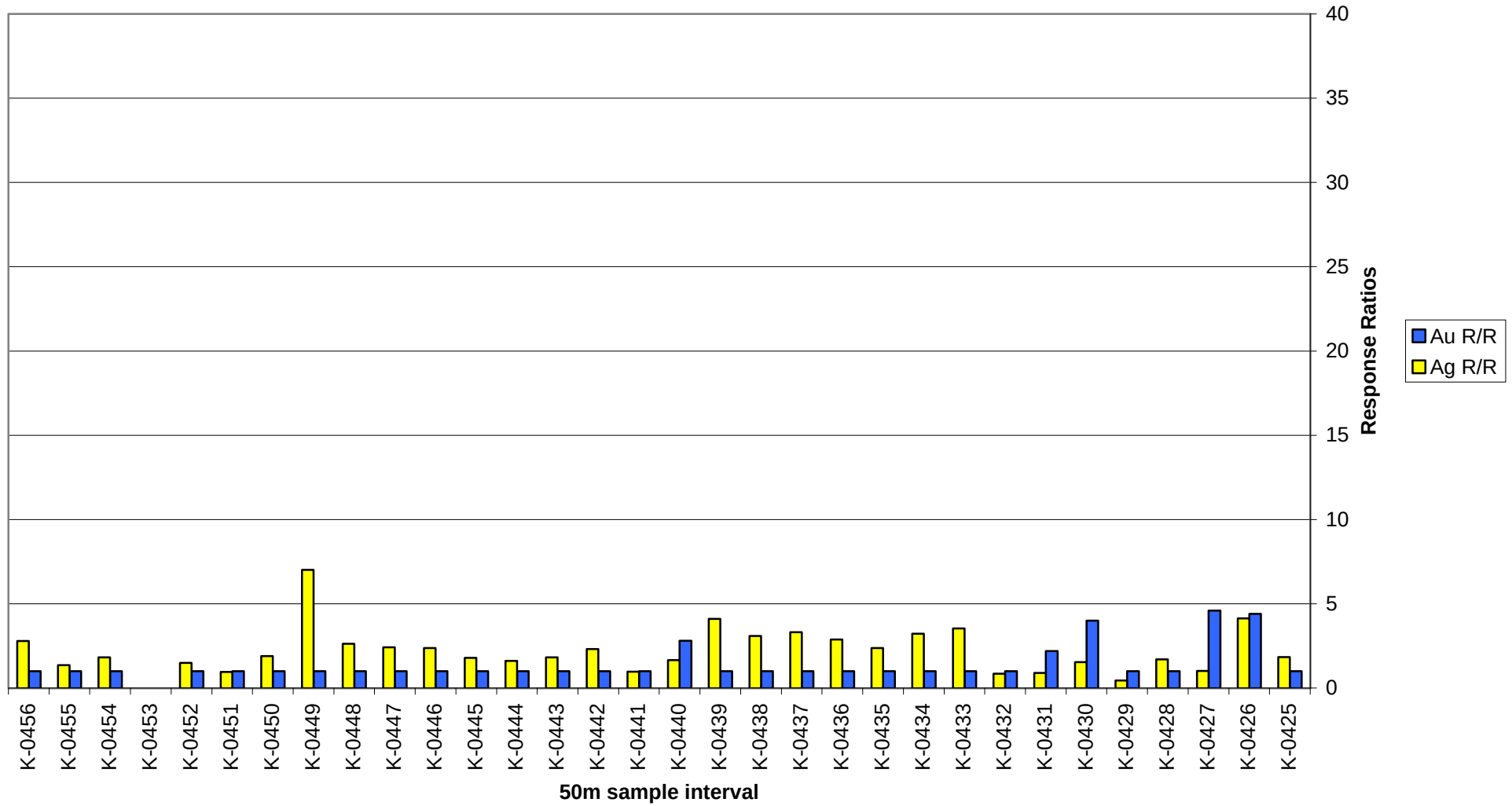
MMI TRAVERSE 15



MMI TRAVERSE 16

Northwest

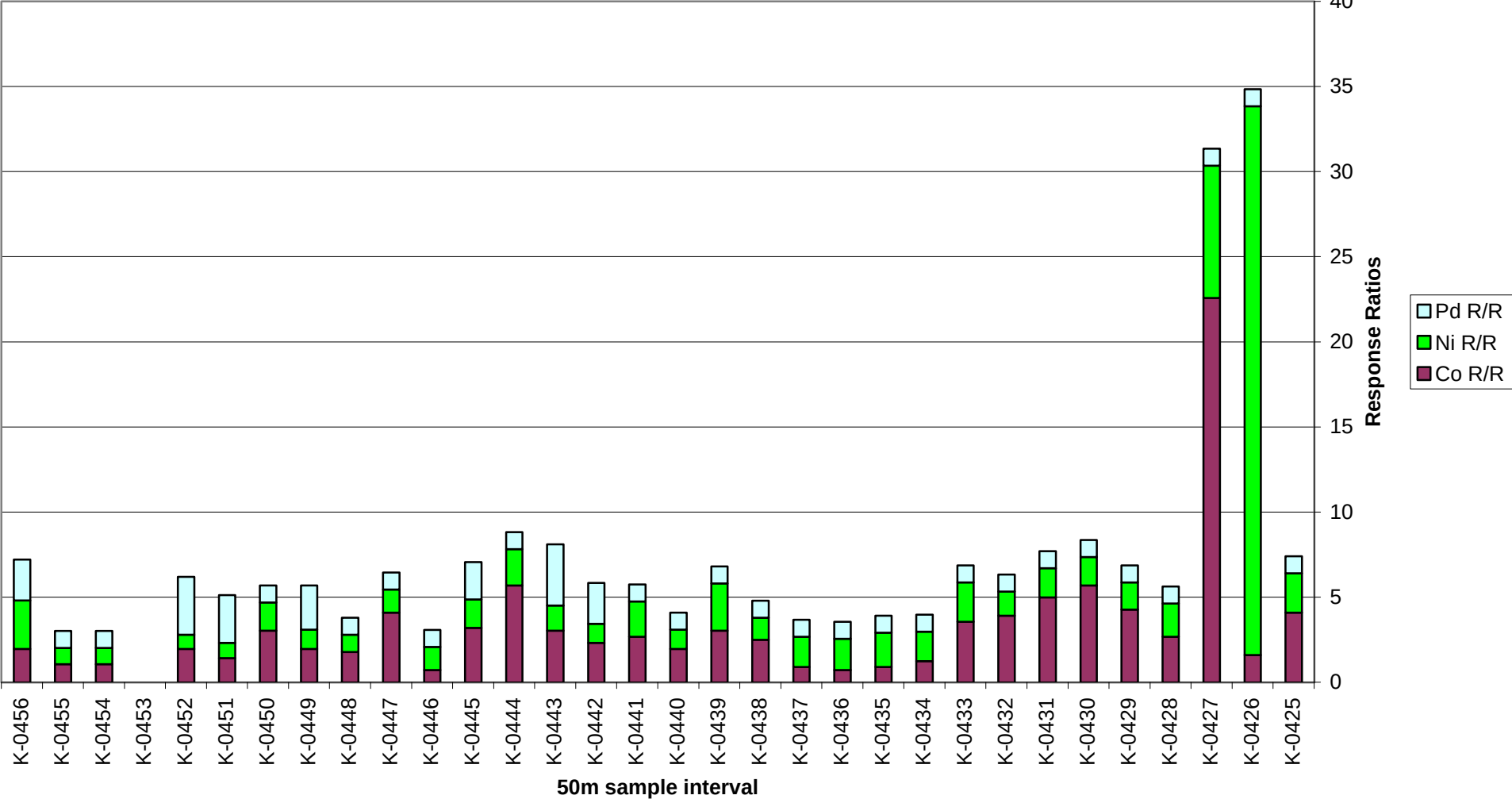
Southeast



MMI TRAVERSE 16

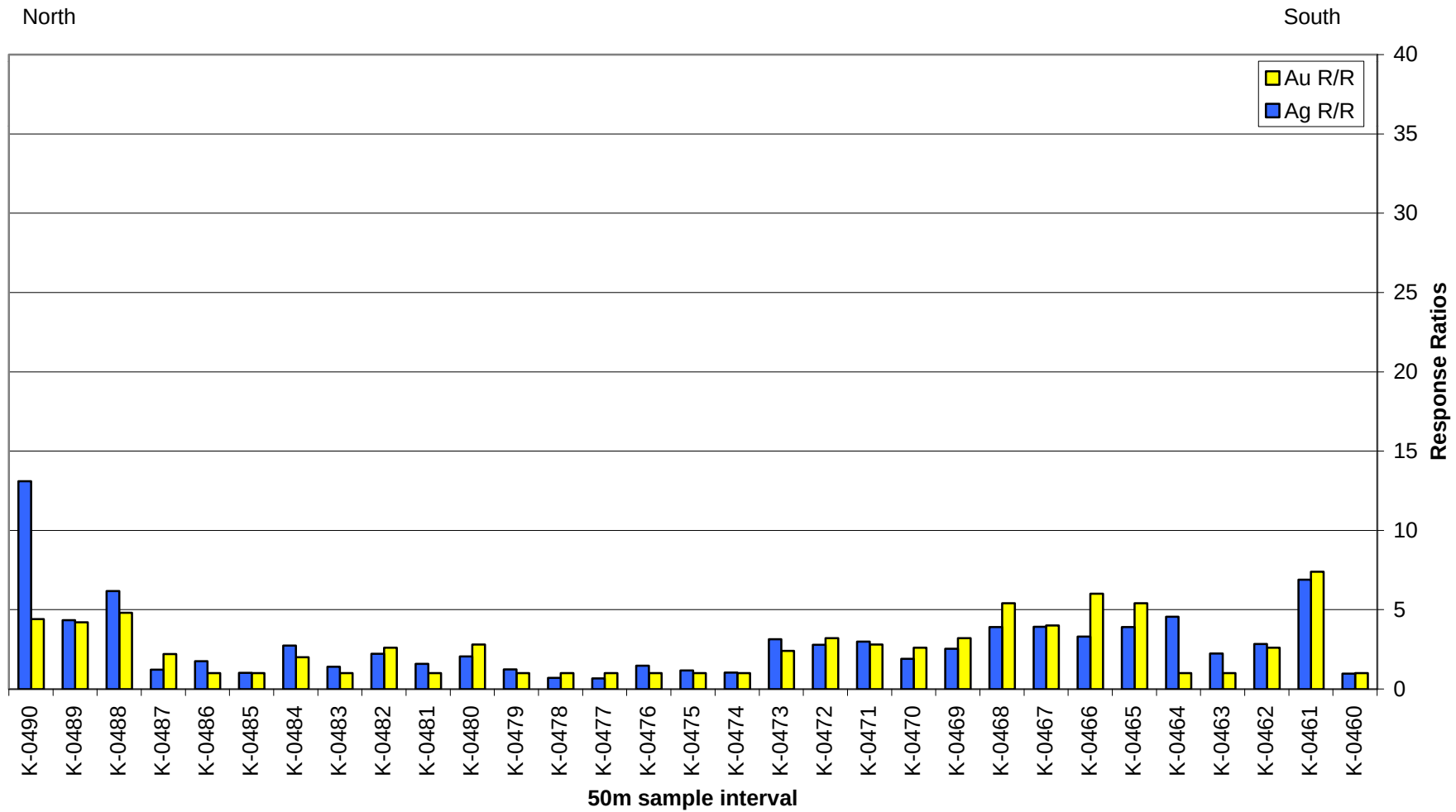
Northwest

Southeast



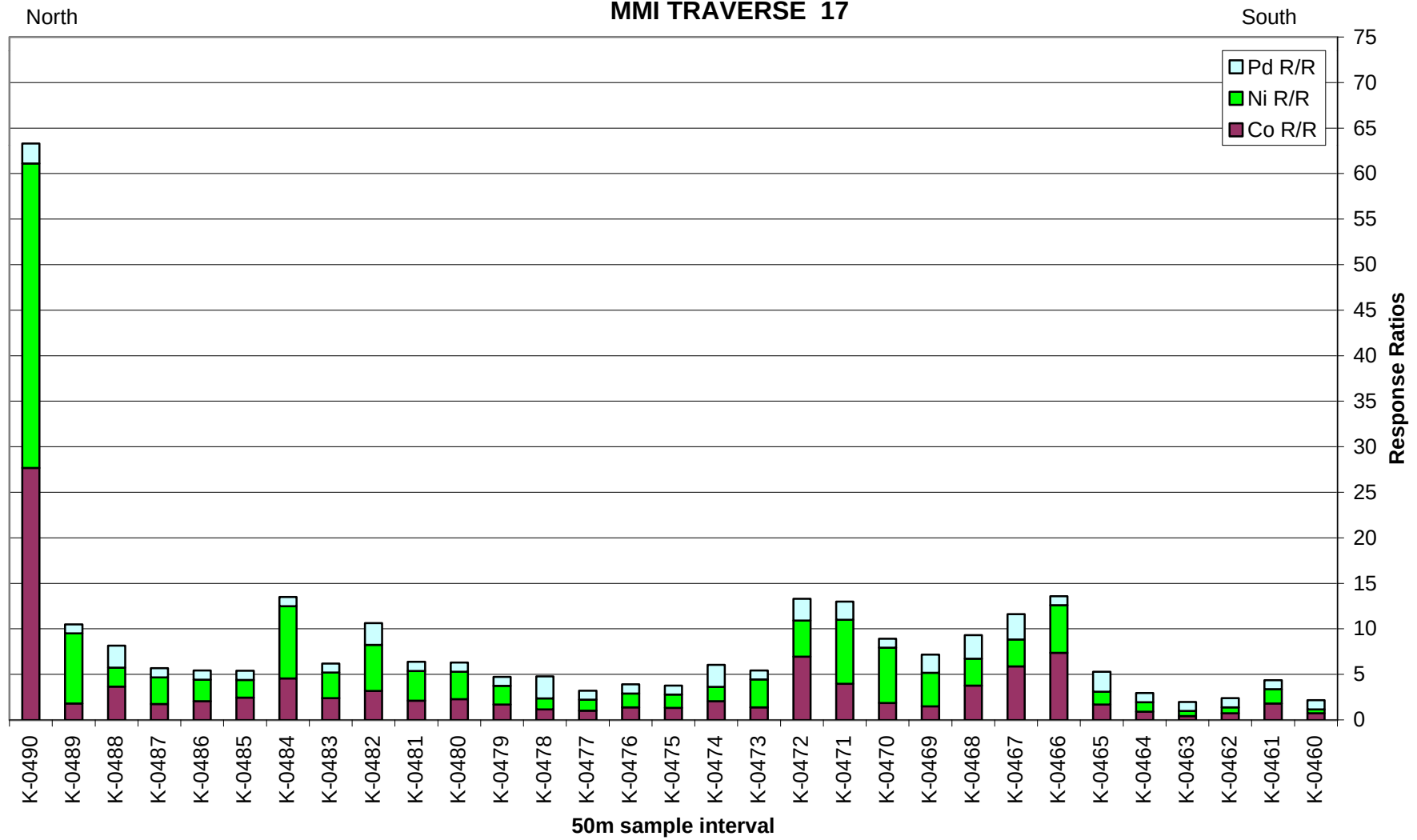
KSL EXPLORATION (YUKON) LIMITED

MMI TRAVERSE 17



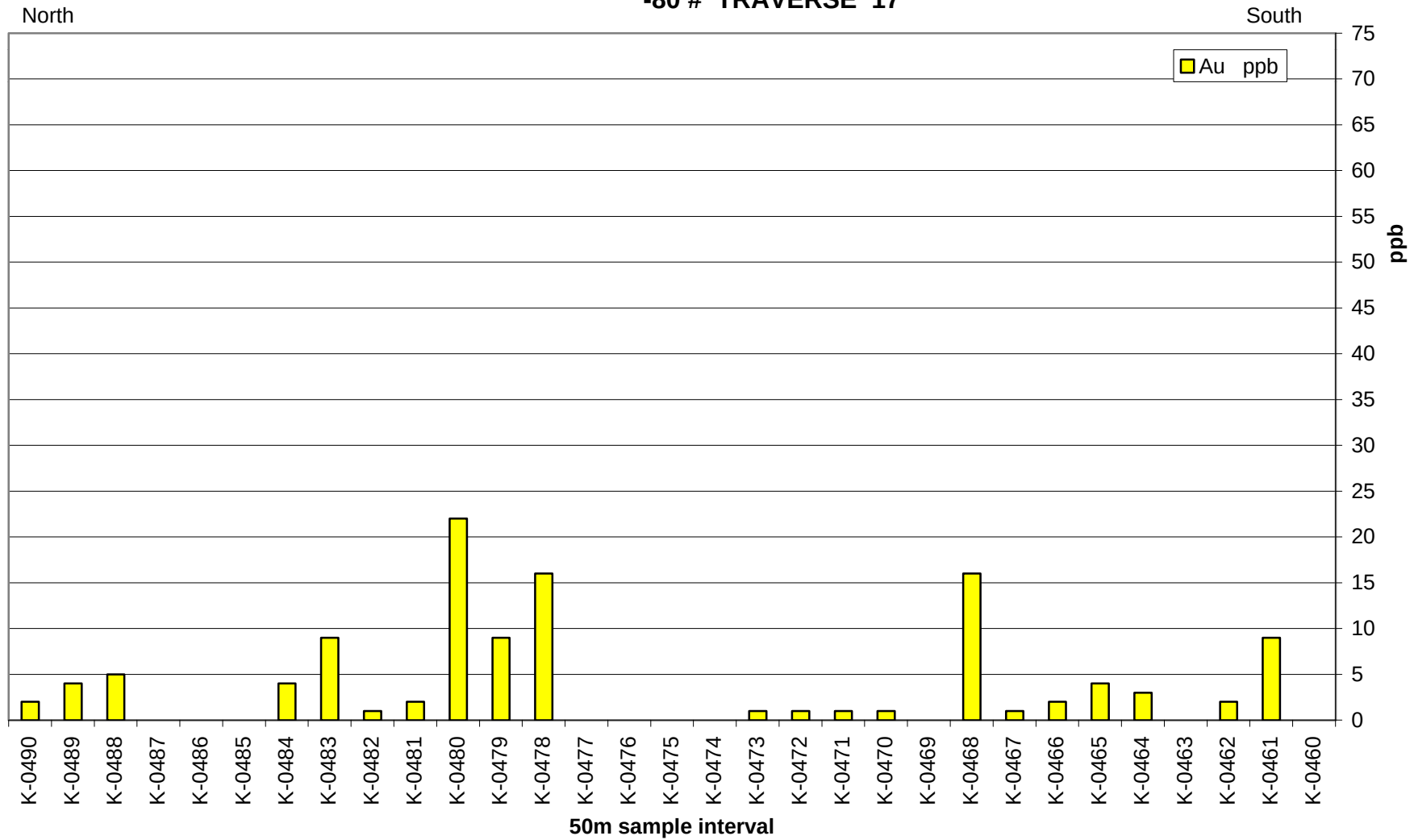
KSL EXPLORATION (YUKON) LIMITED

MMI TRAVERSE 17

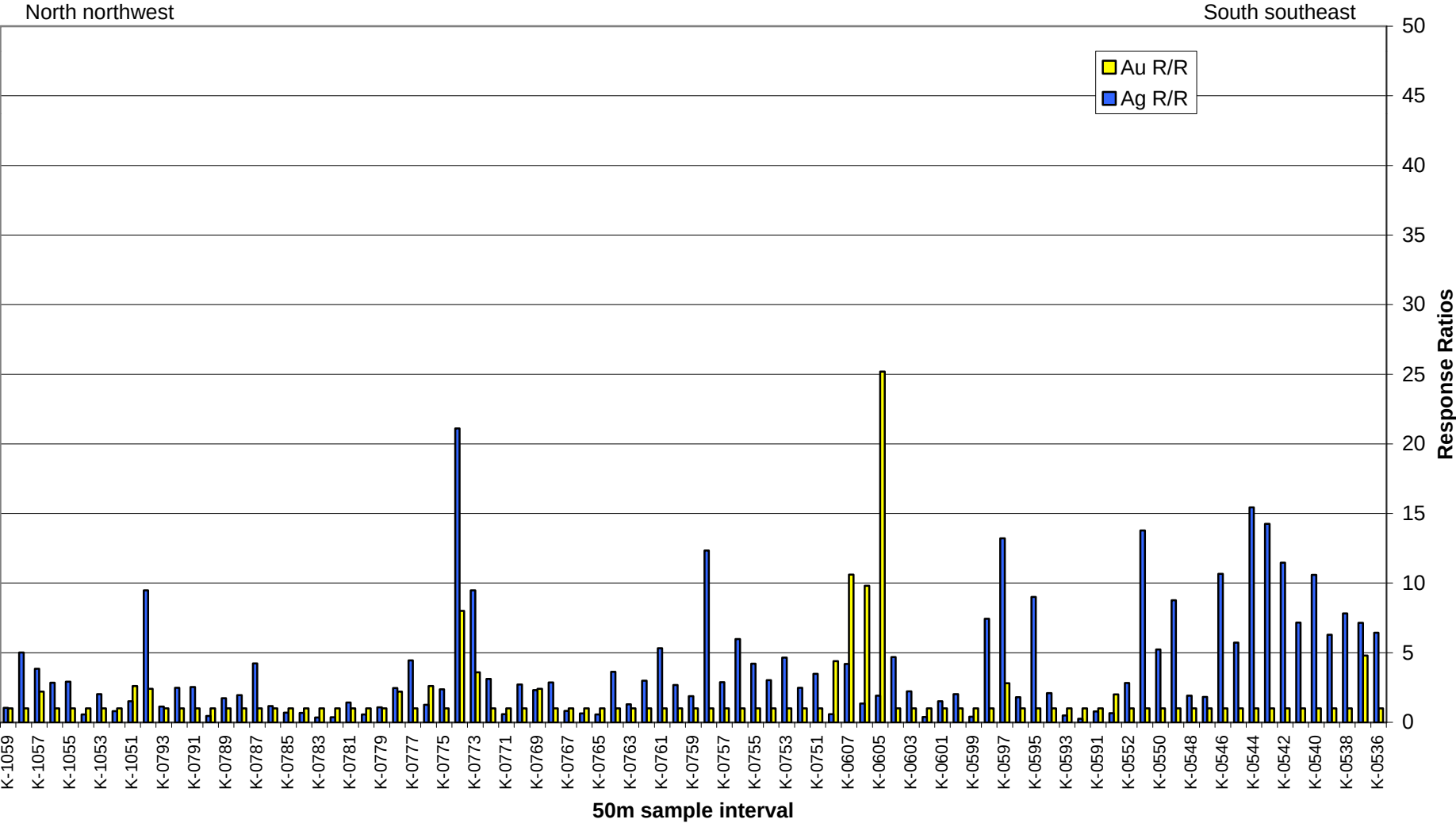


KSL EXPLORATION (YUKON) LIMITED

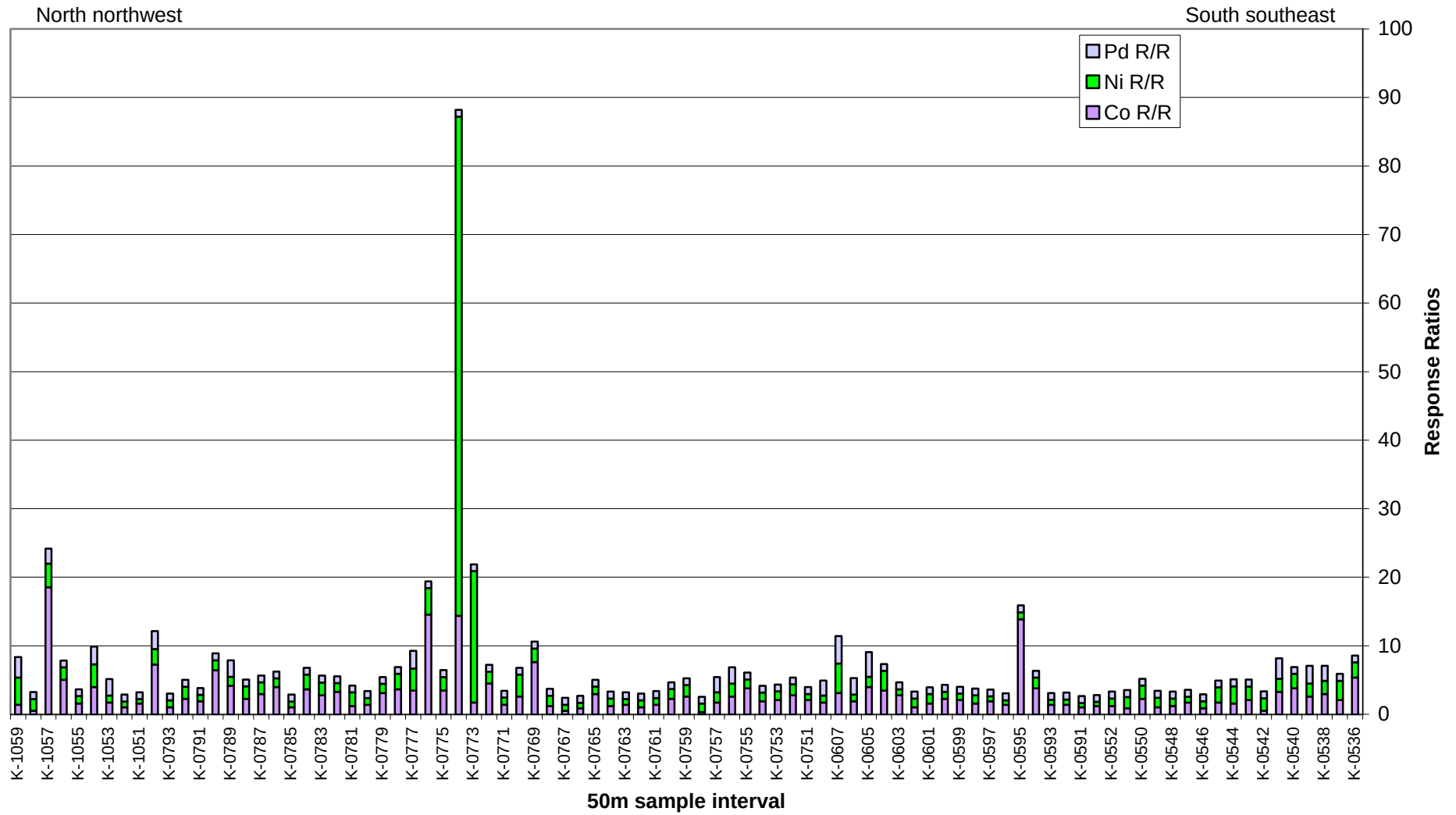
-80 # TRAVERSE 17



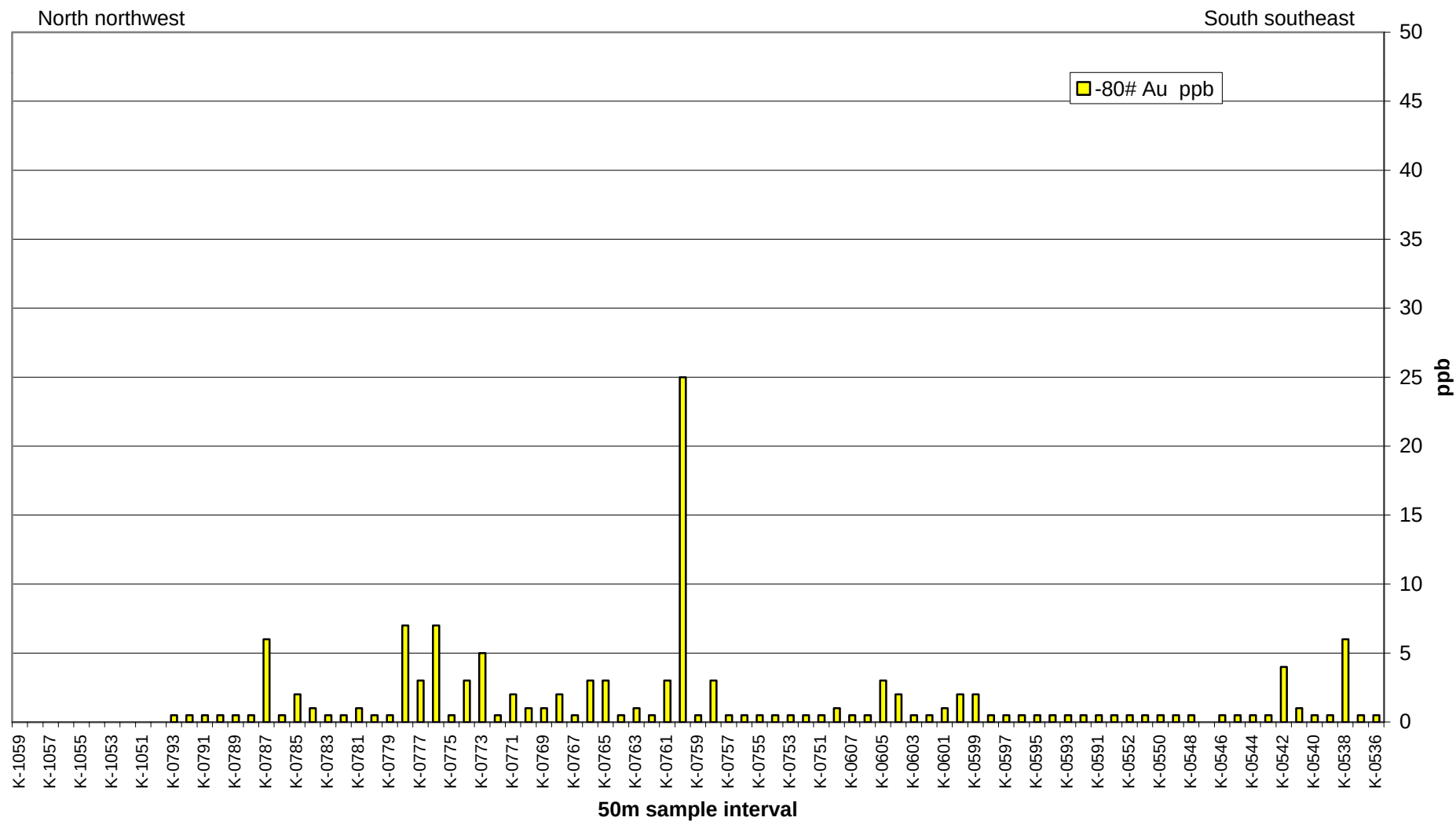
MMI TRAVERSE 18



MMI TRAVERSE 18

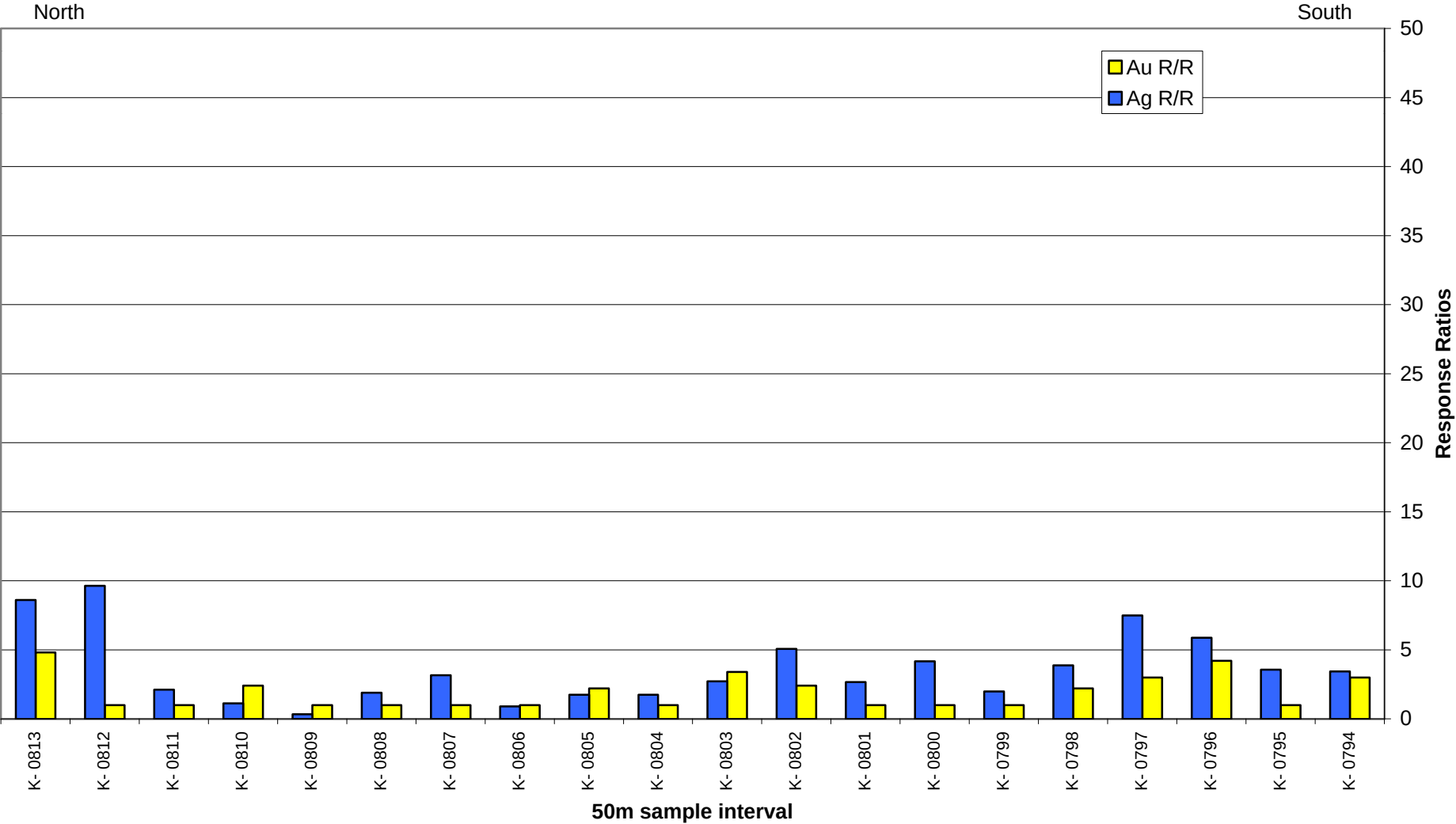


-80# TRAVERSE 18

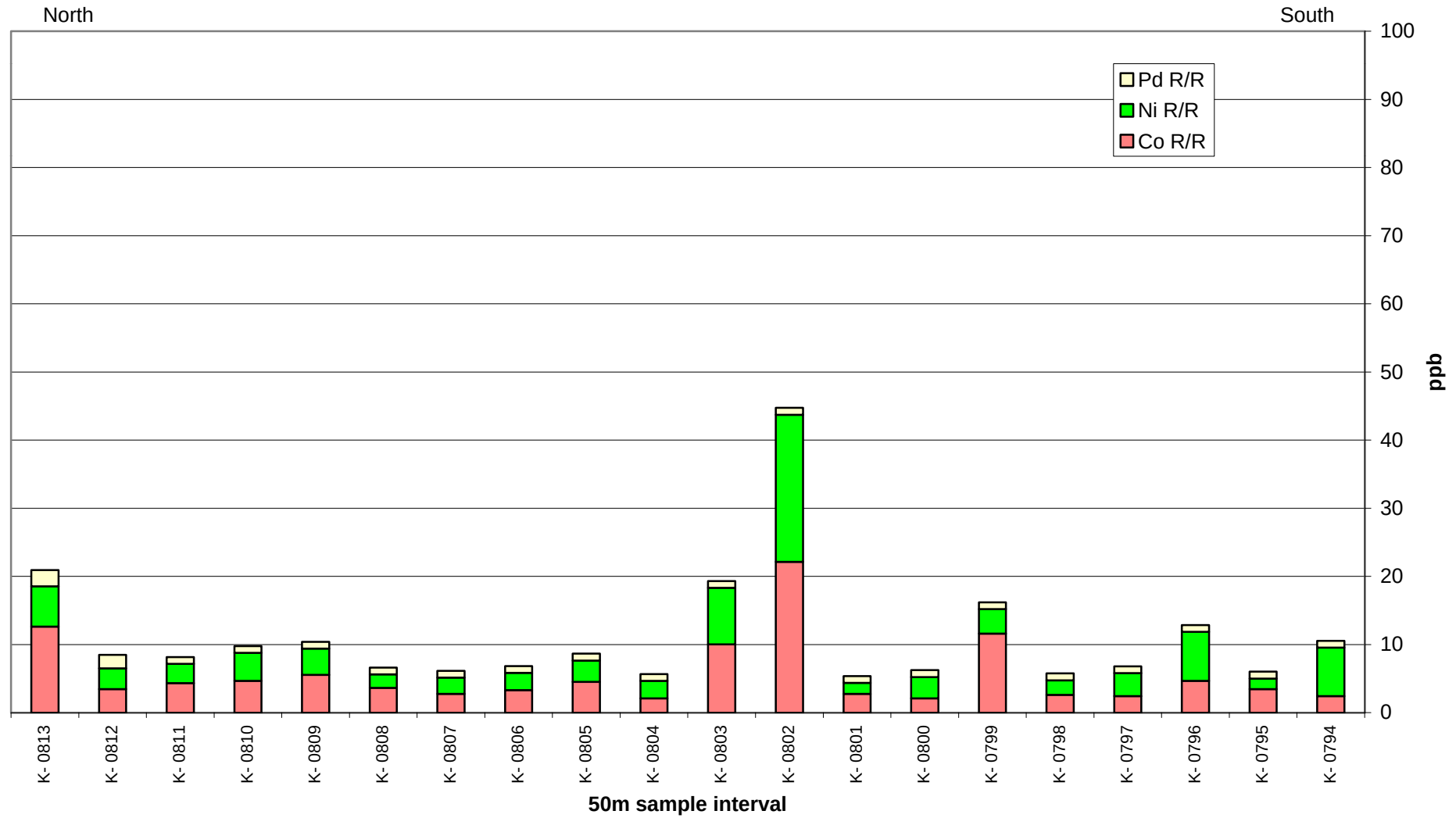


Tr 18 (-80)

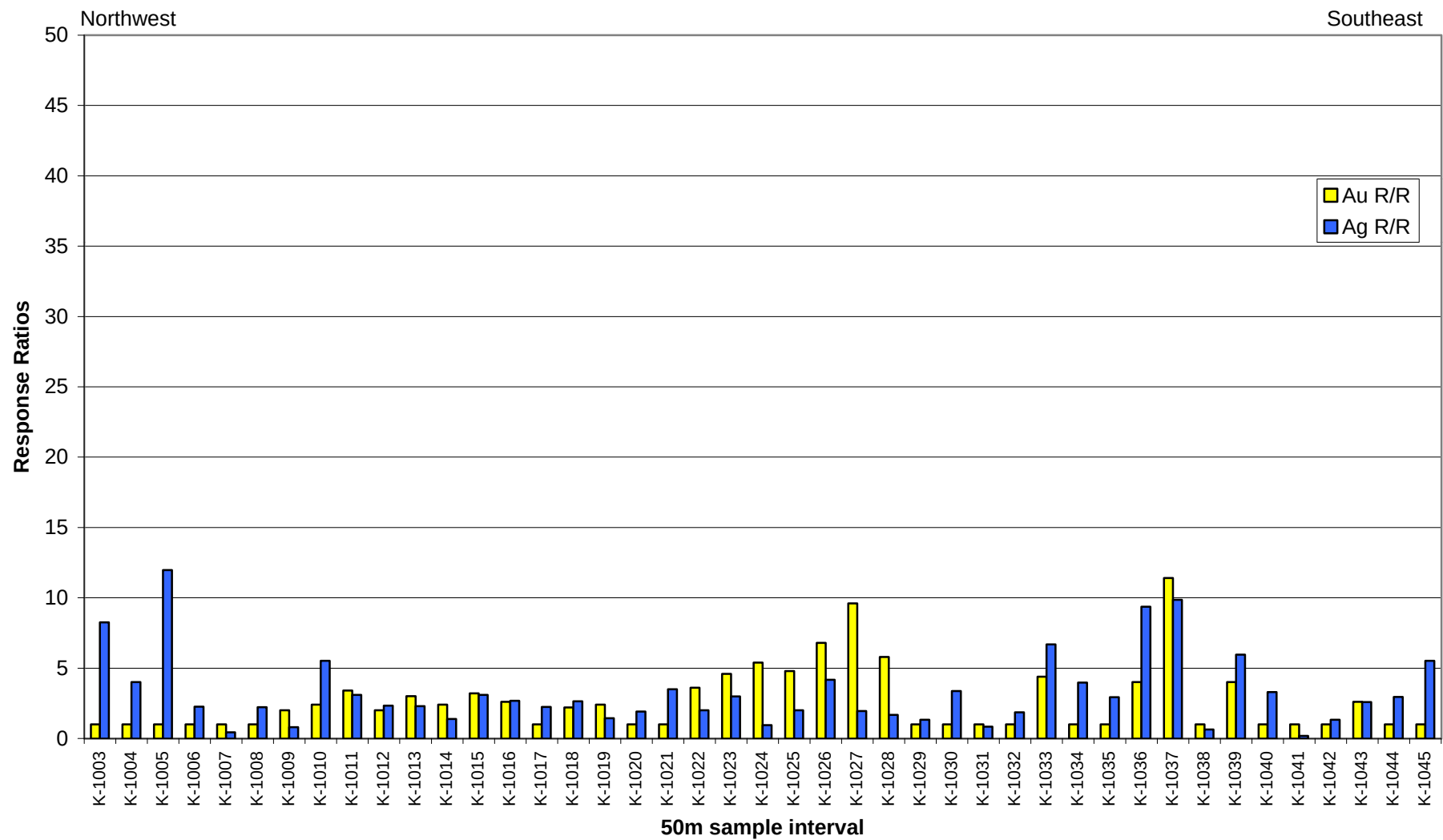
MMI TRAVERSE 19



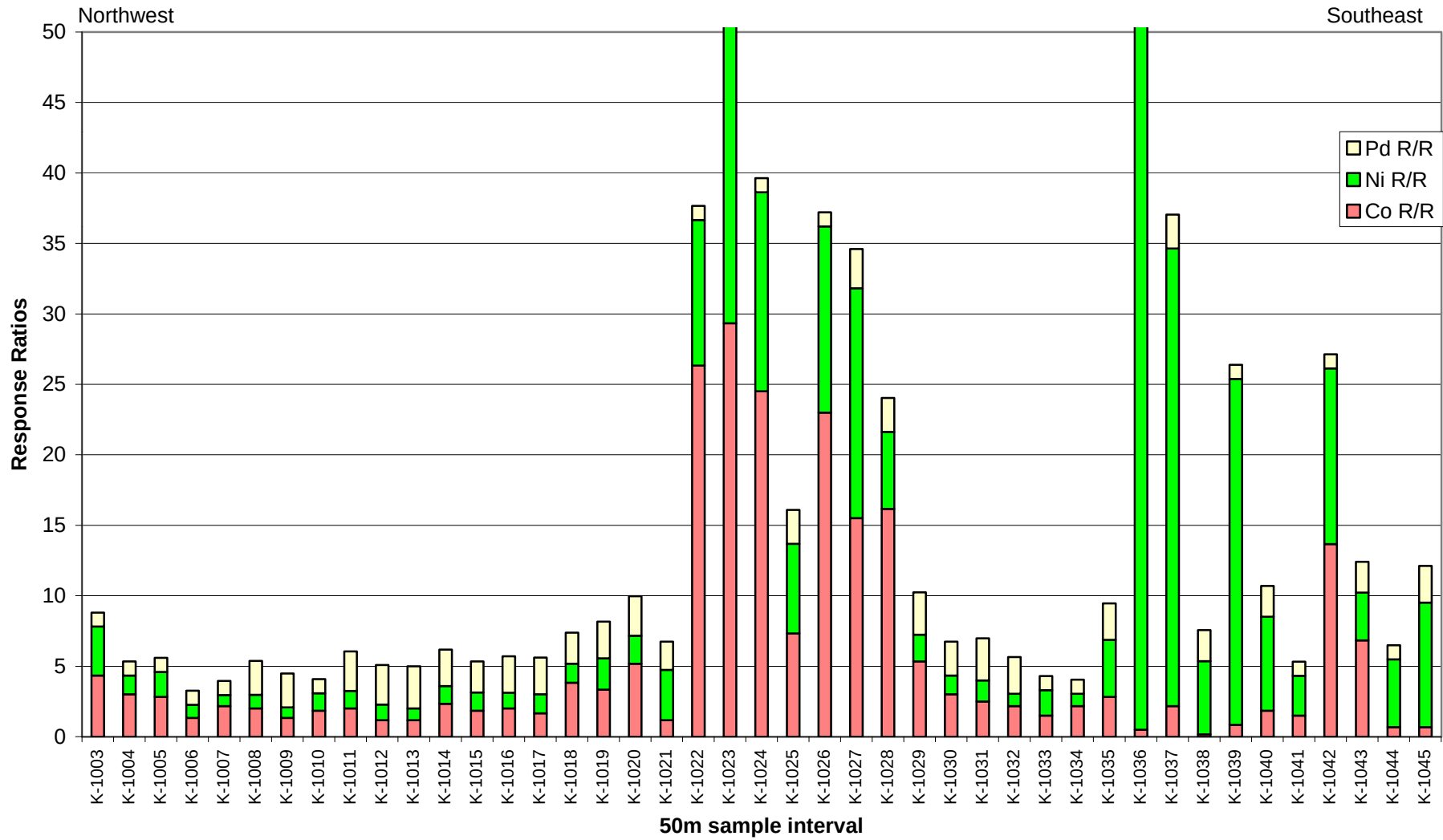
MMI TRAVERSE 19



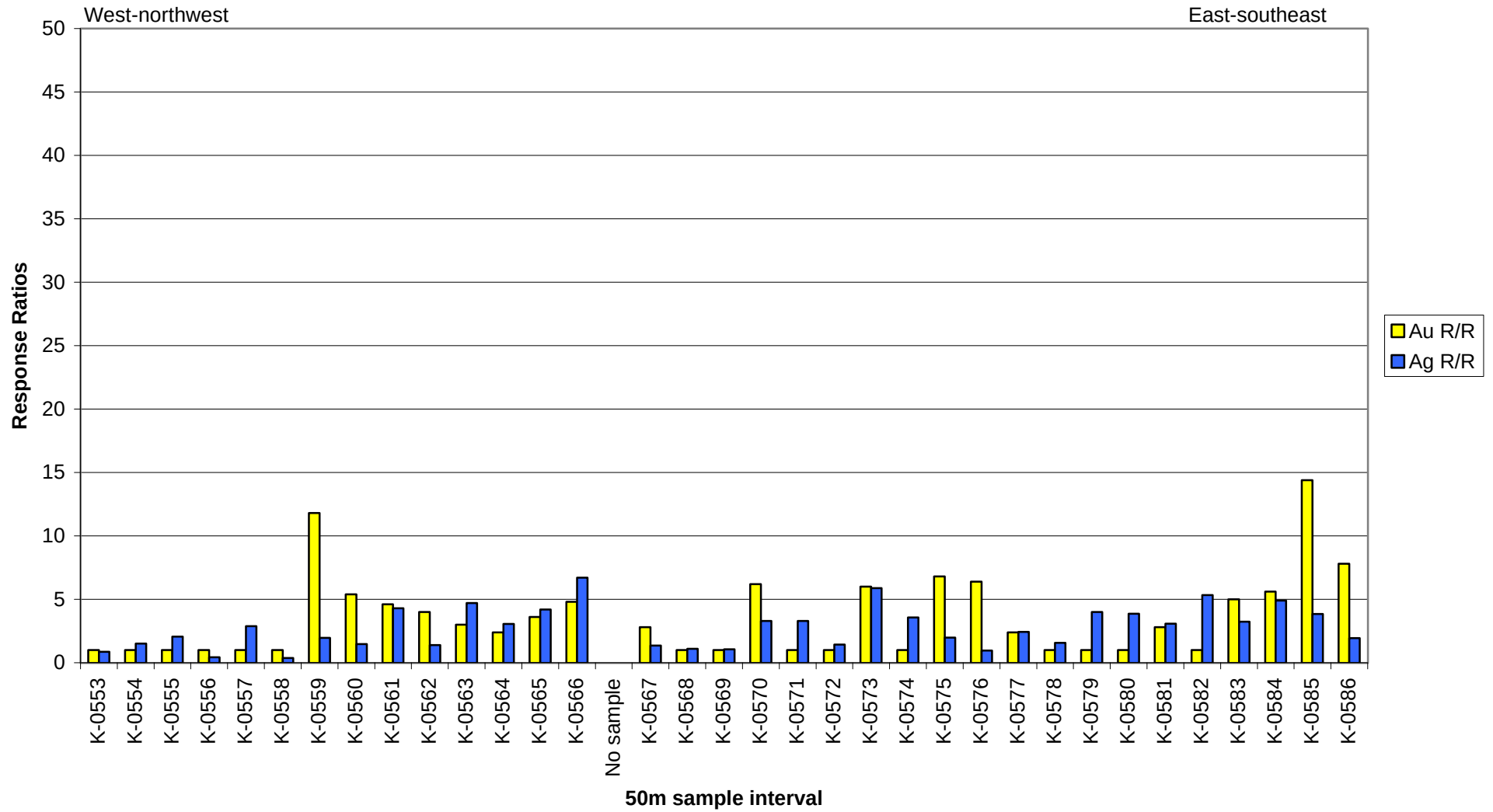
MMI TRAVERSE 20



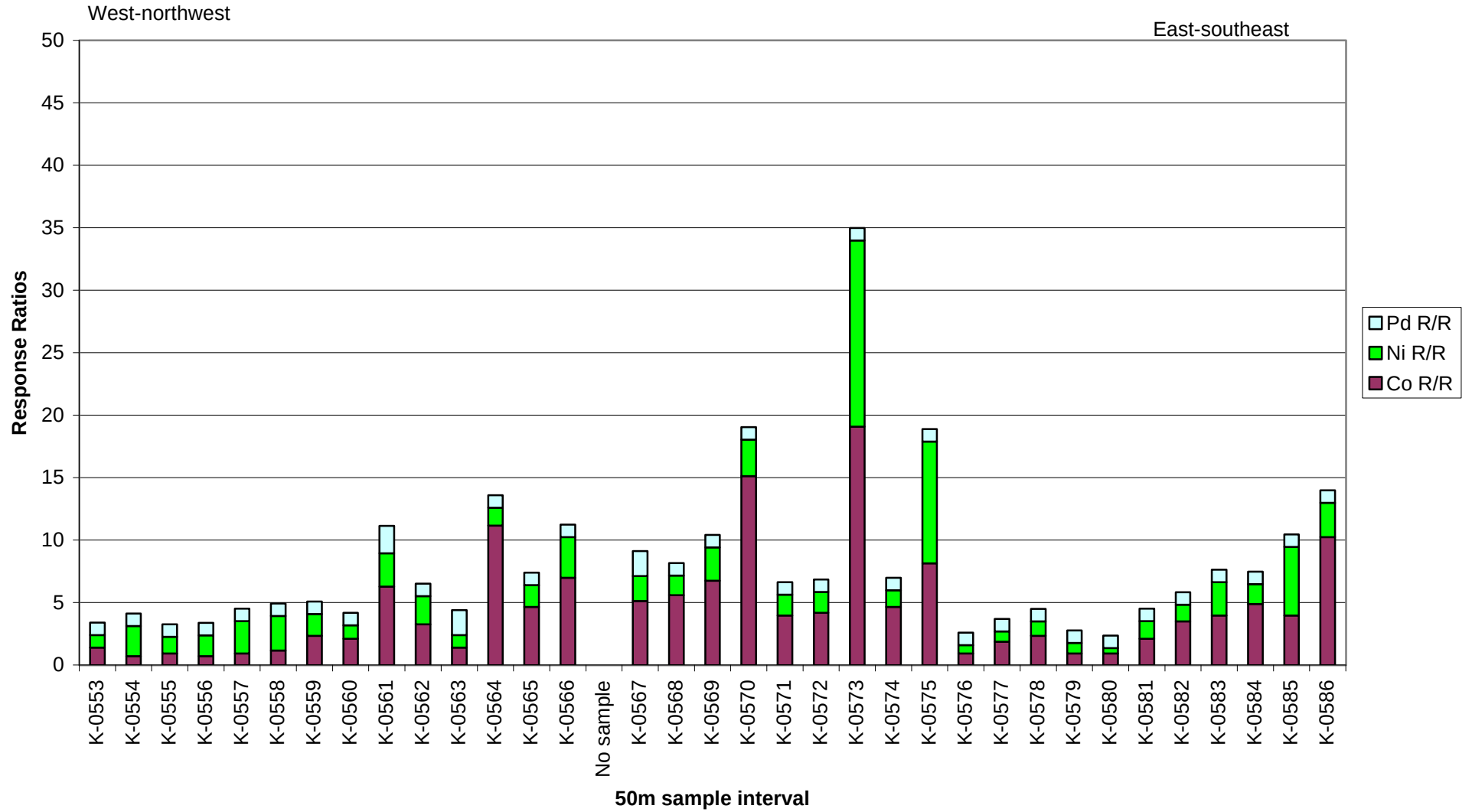
MMI TRAVERSE 20



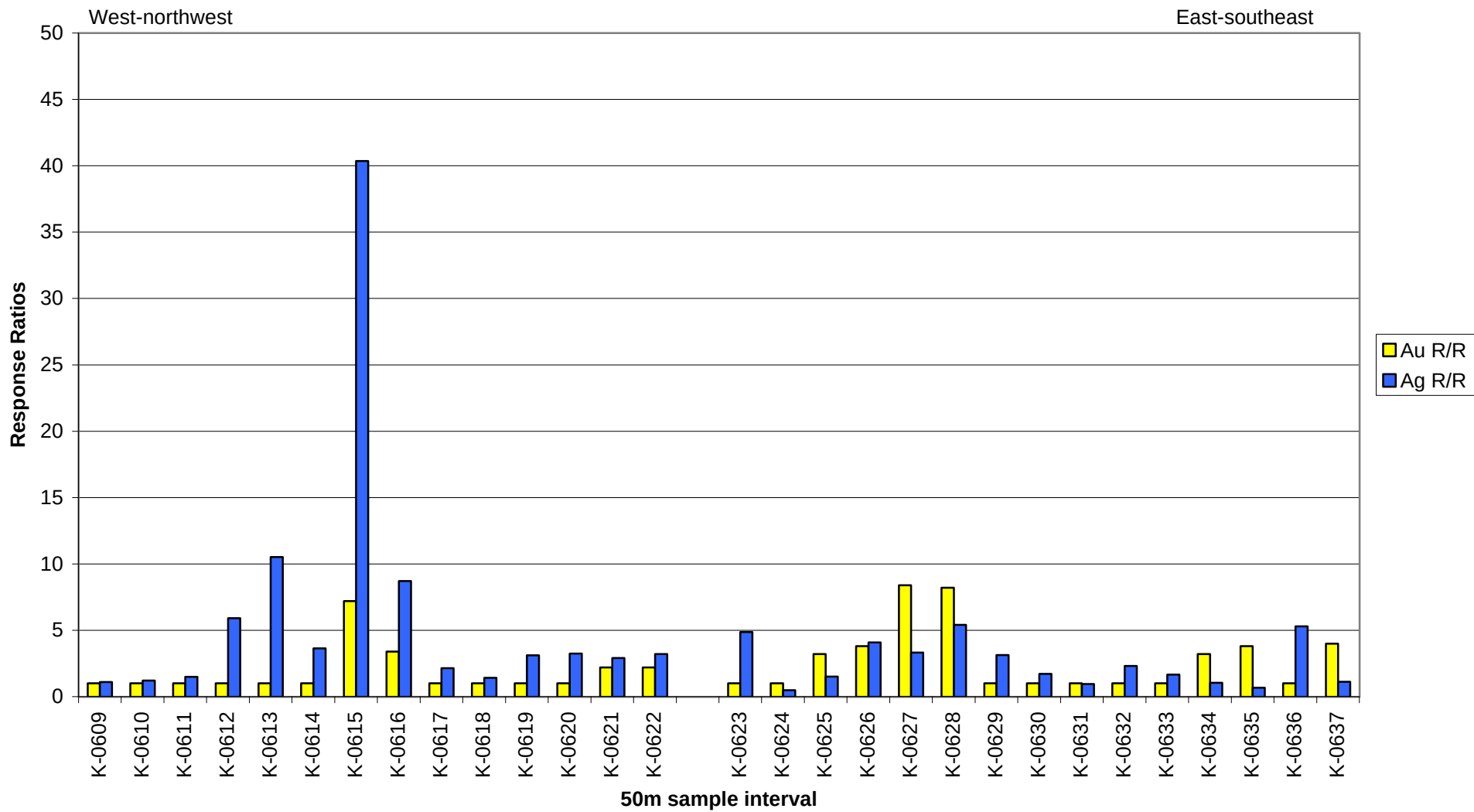
MMI TRAVERSE 21



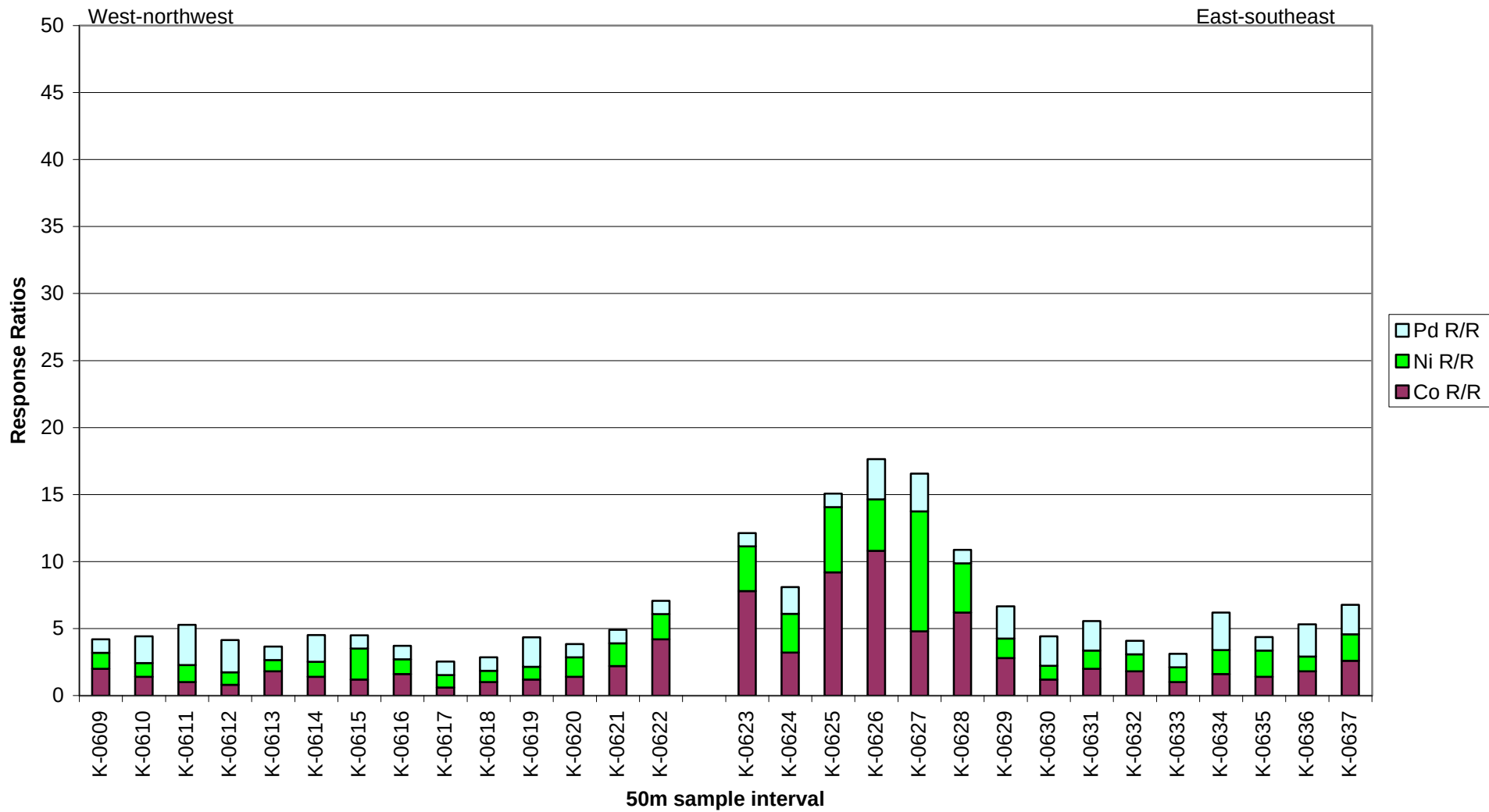
MMI TRAVERSE 21



MMI TRAVERSE 22



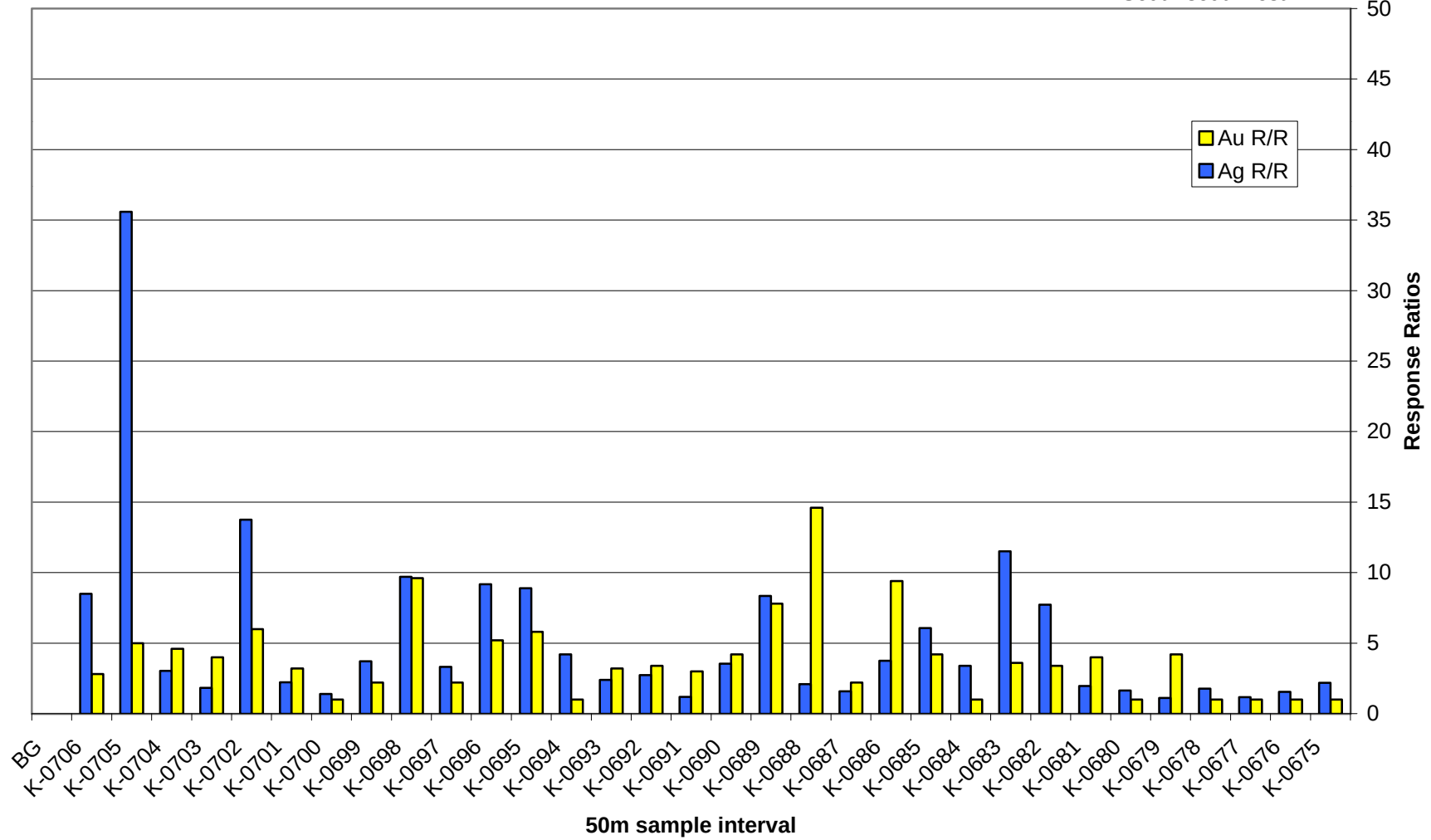
MMI TRAVERSE 22



MMI TRAVERSE 23

North-northeast

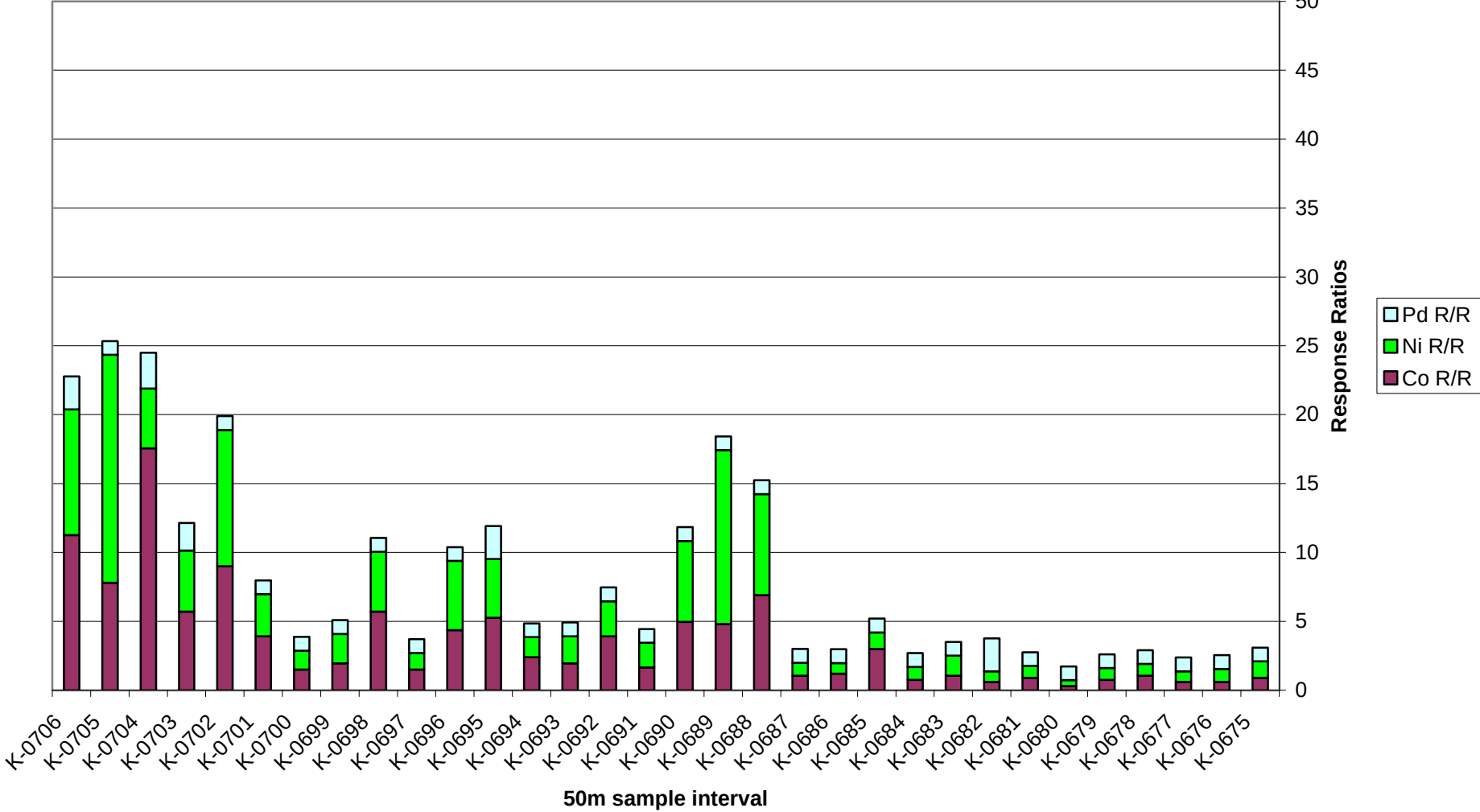
South-southwest



MMI TRAVERSE 23

North-northwest

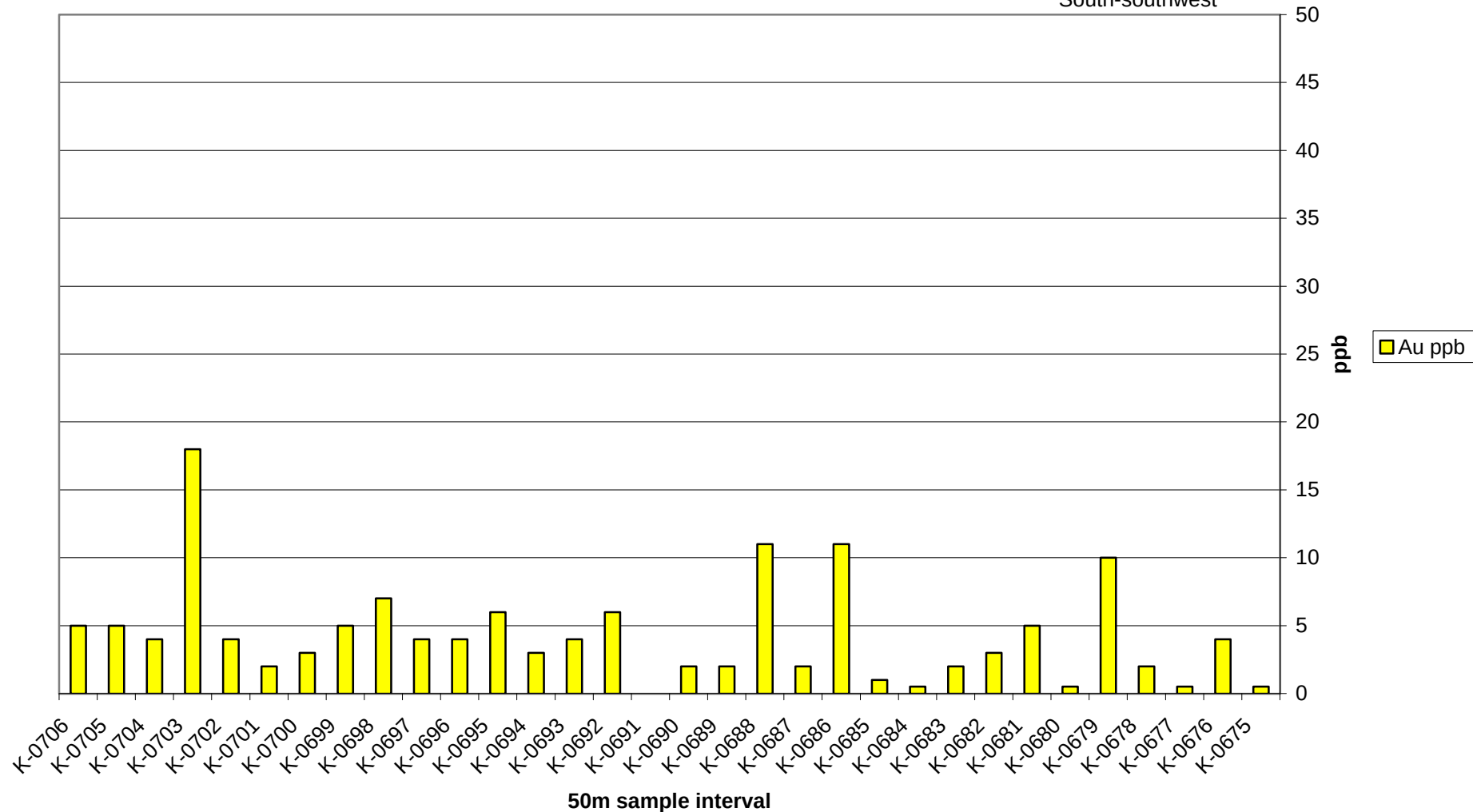
South-southeast



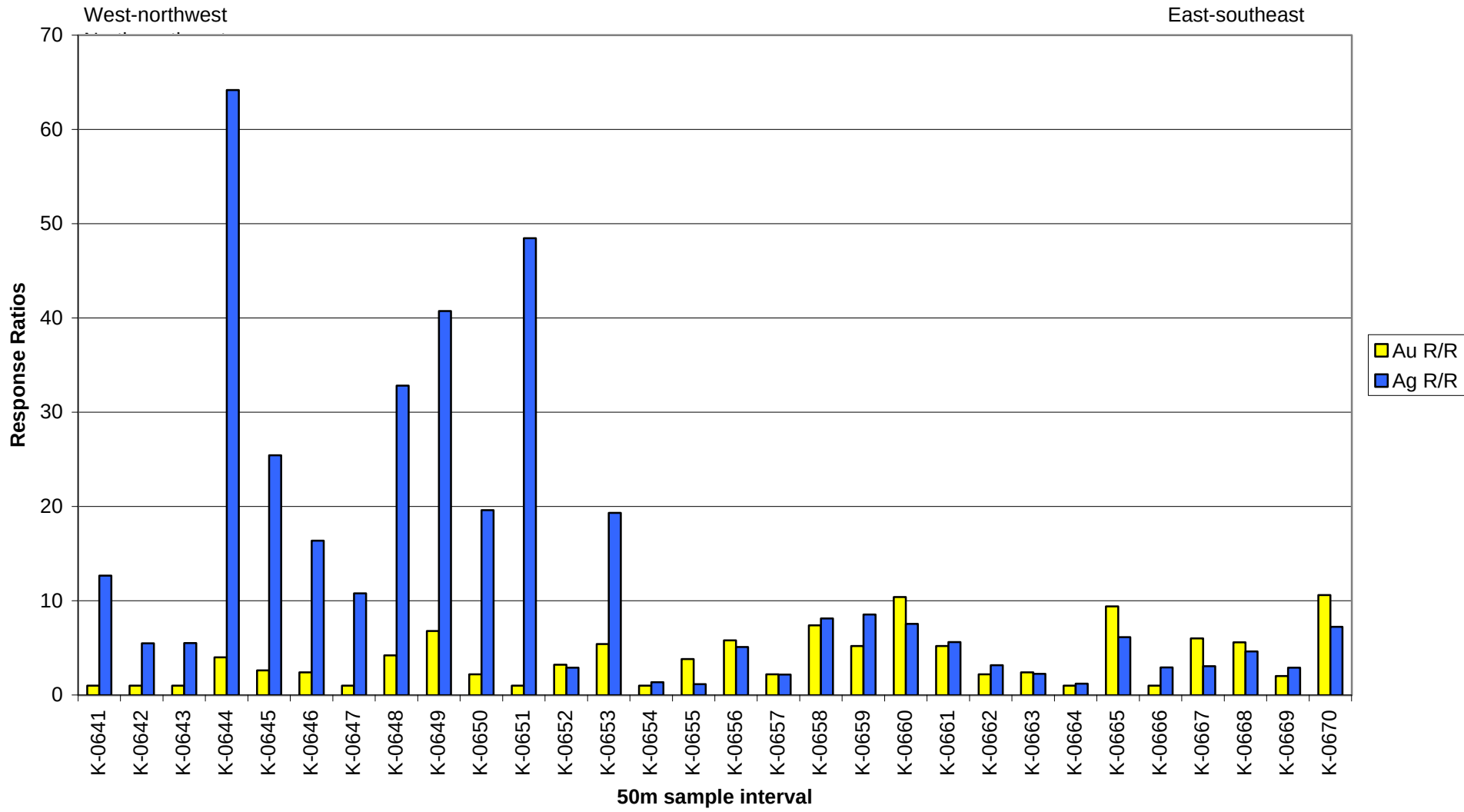
-80# TRAVERSE 23

North-northeast

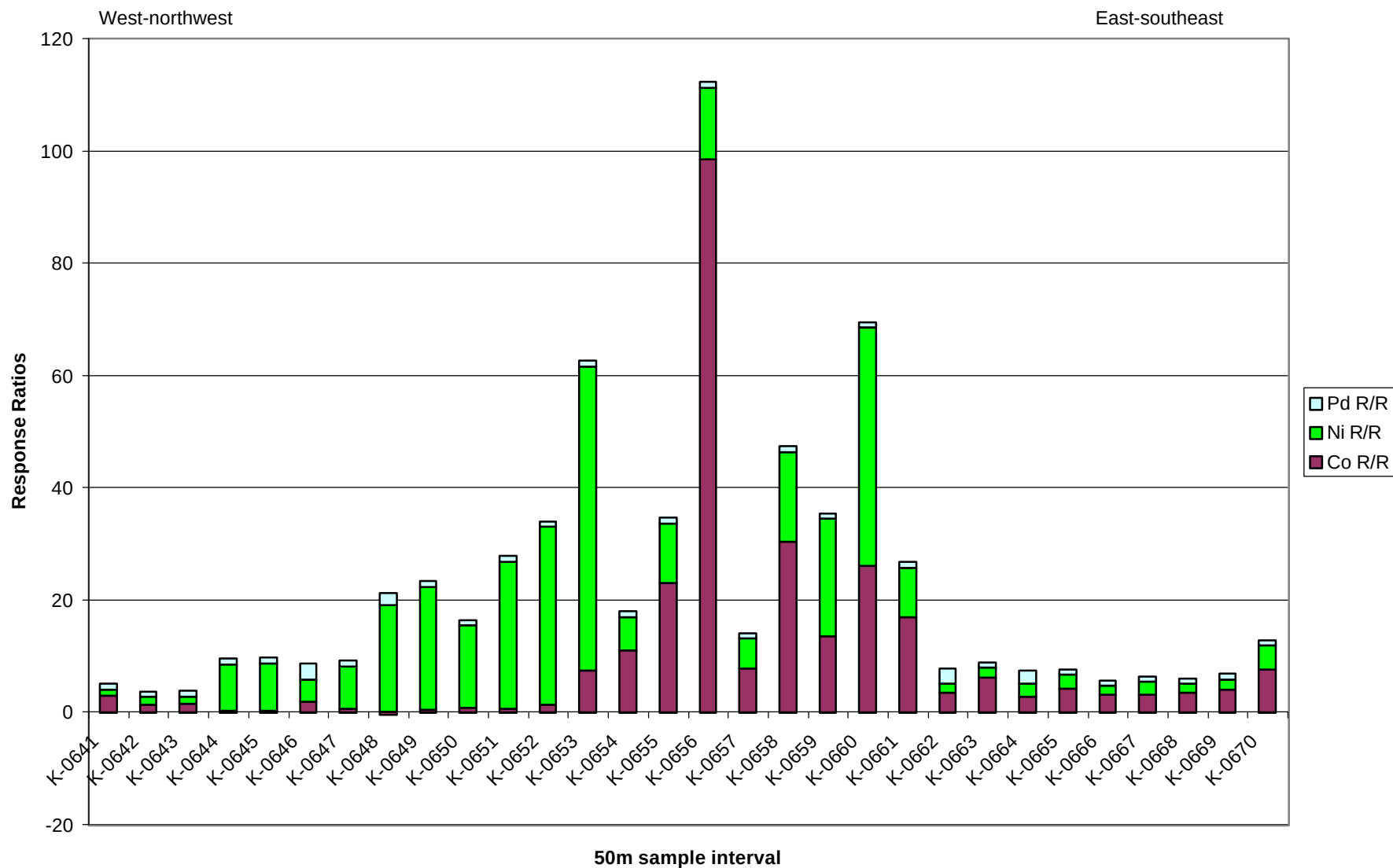
South-southwest



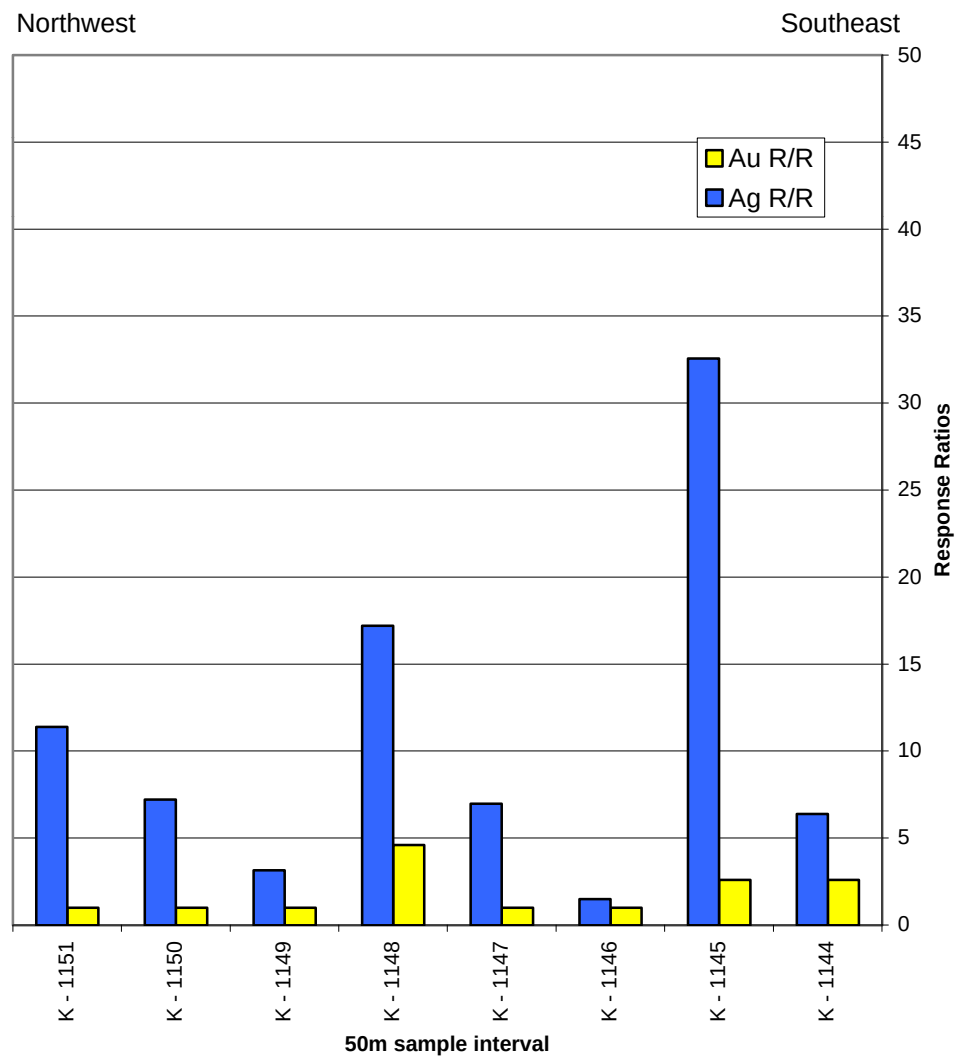
MMI TRAVERSE 24



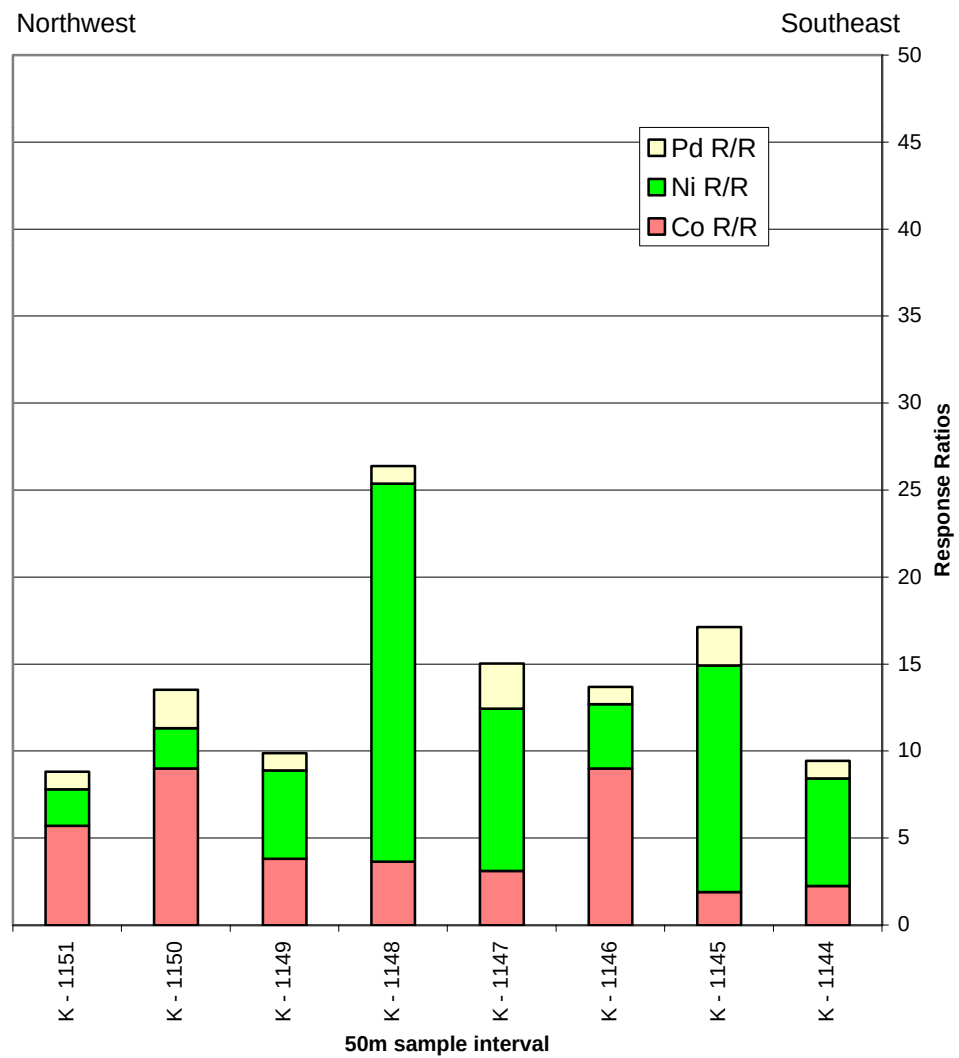
MMI TRAVERSE 24



MMI TRAVERSE 25a



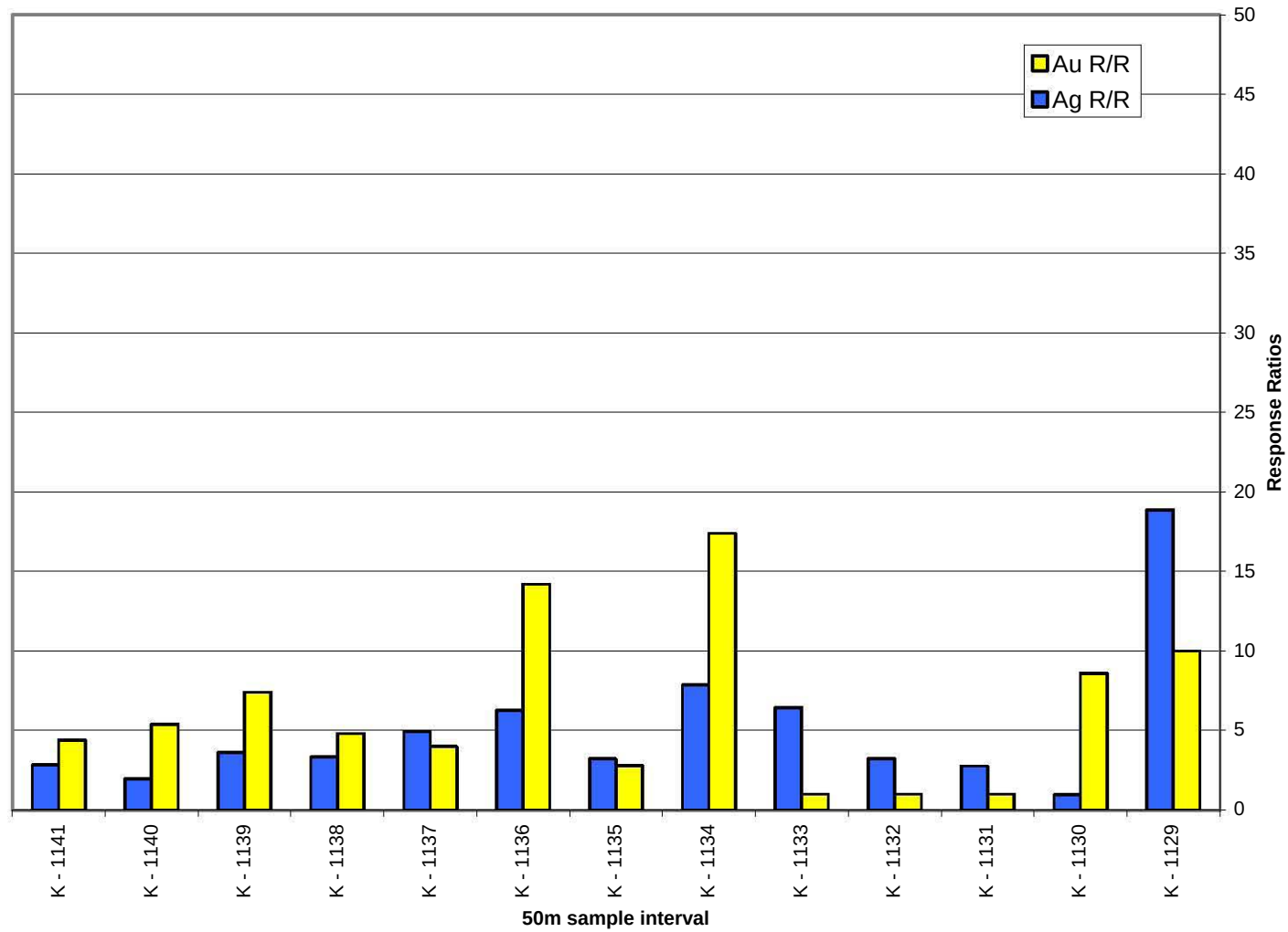
MMI TRAVERSE 25a



MMI TRAVERSE 25b

North

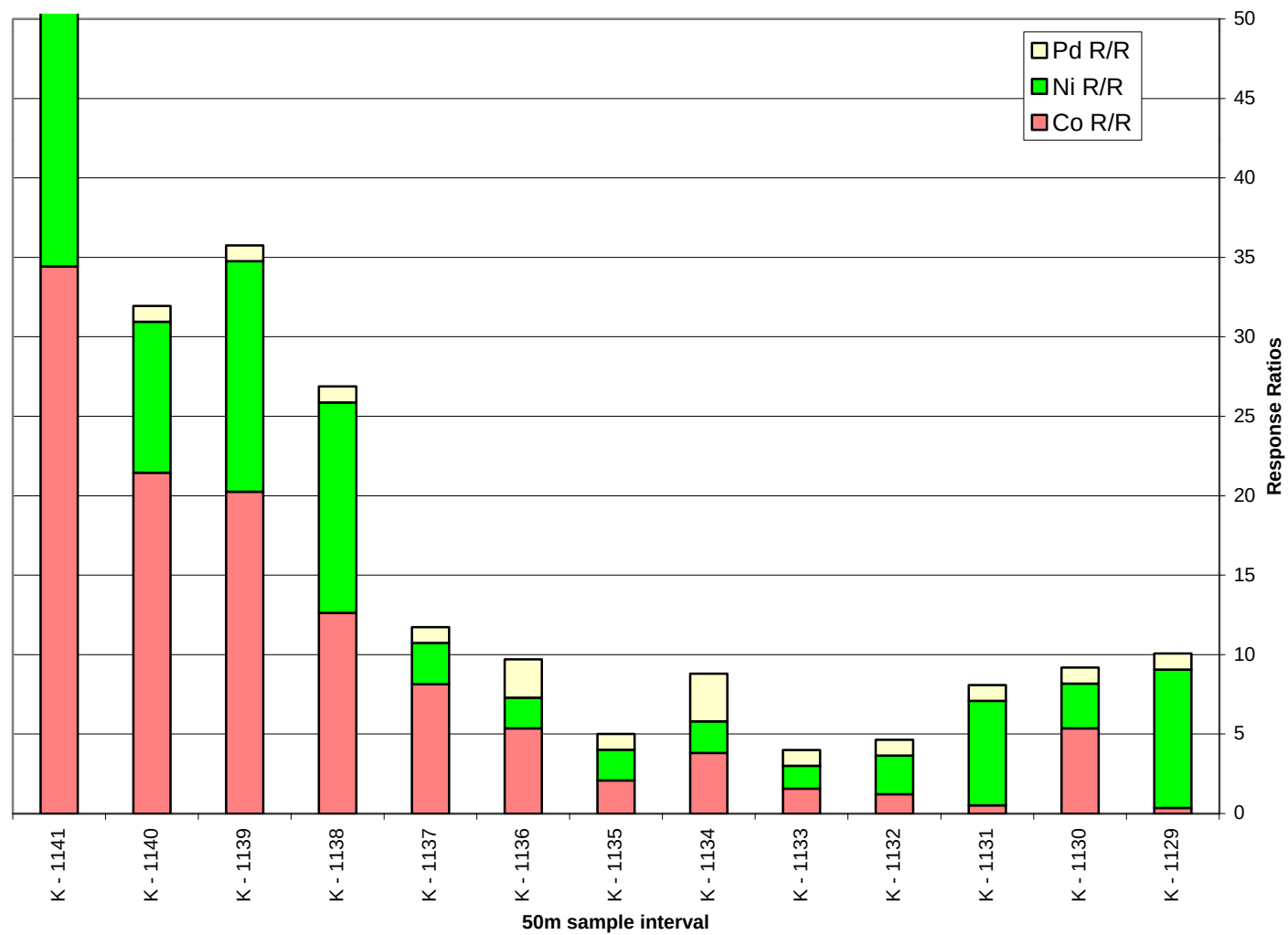
South



MMI TRAVERSE 25b

North

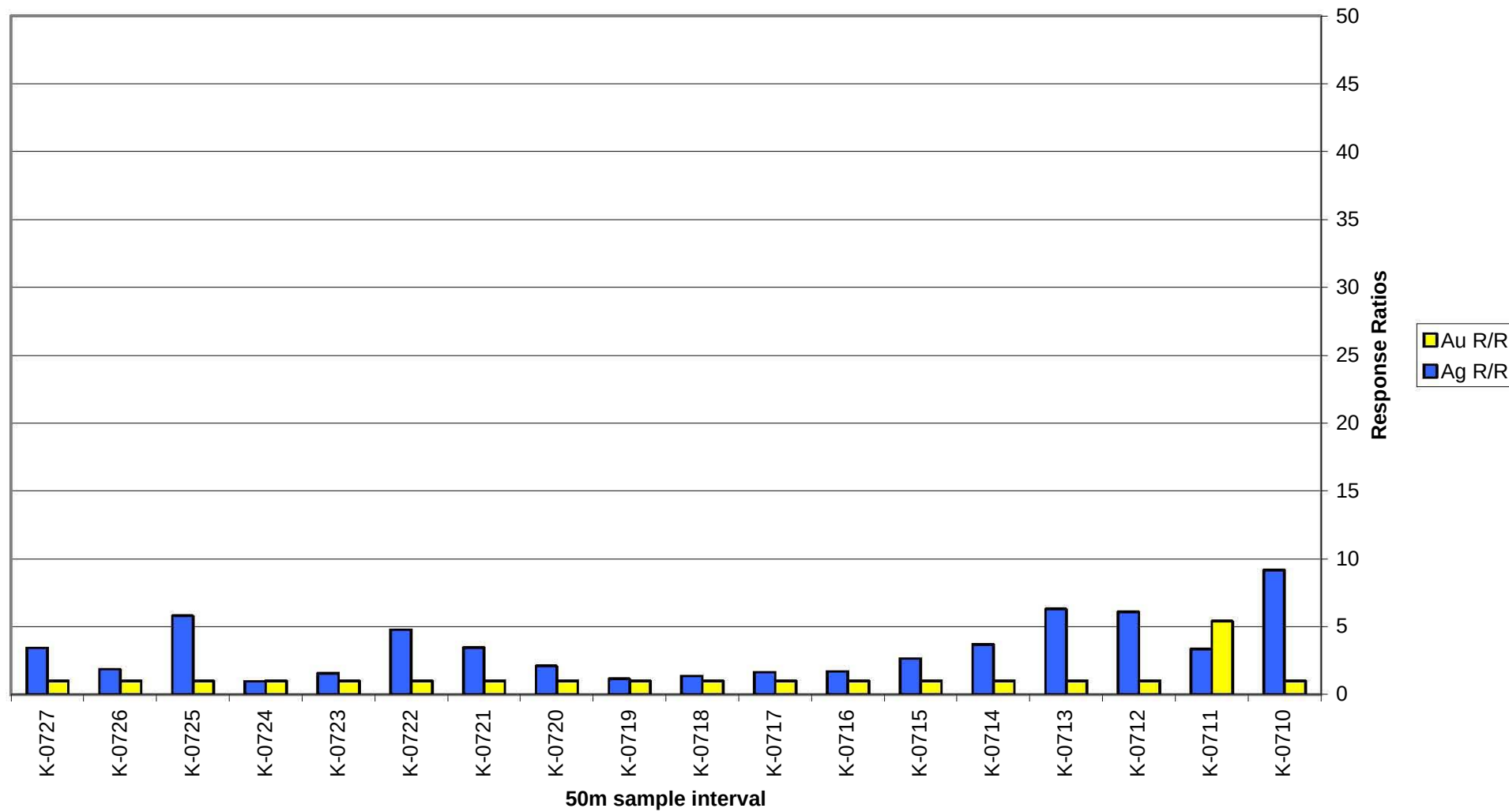
South



MMI TRAVERSE 28

North northwest

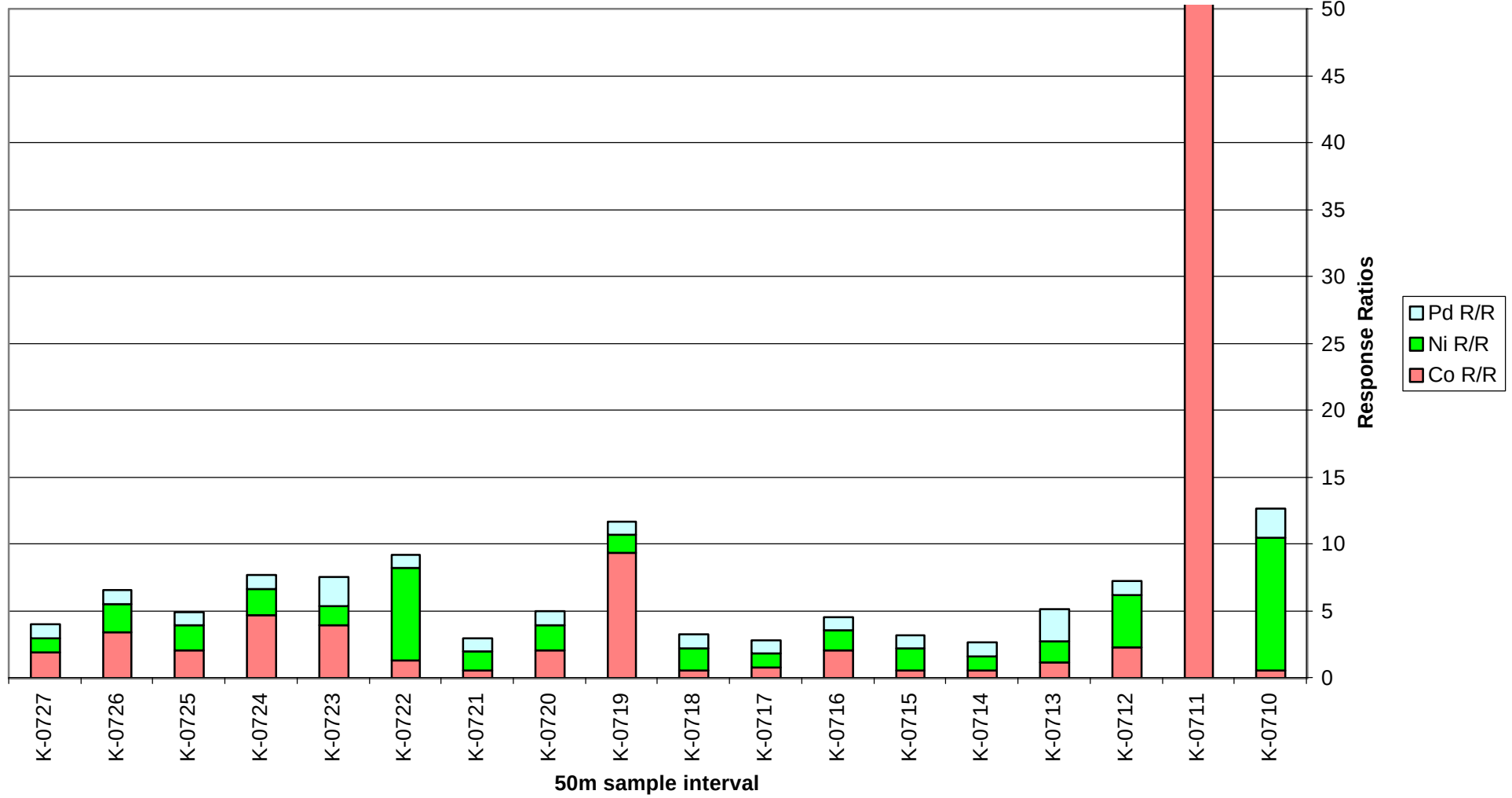
South southeast



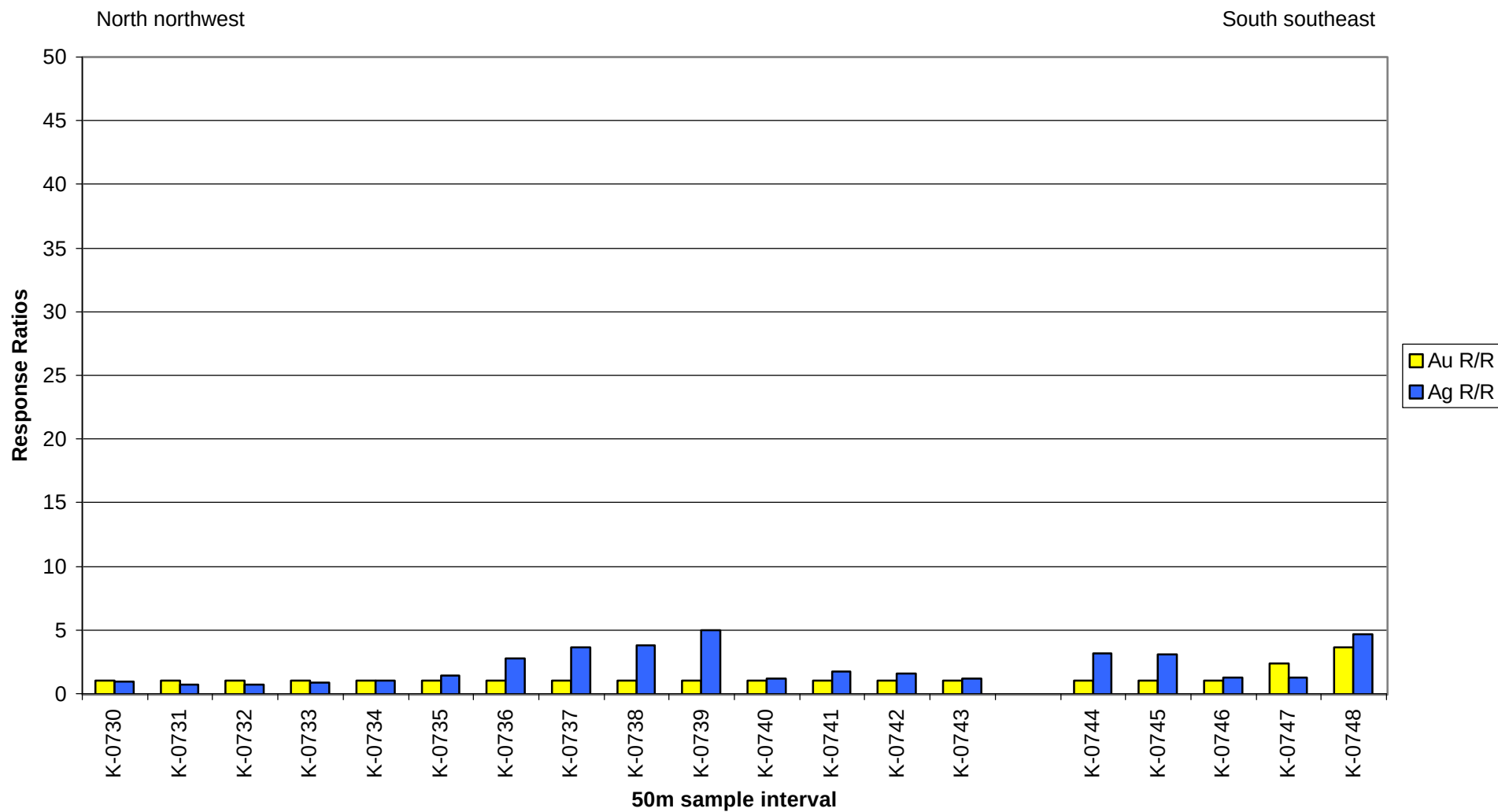
MMI TRAVERSE 28

North northwest

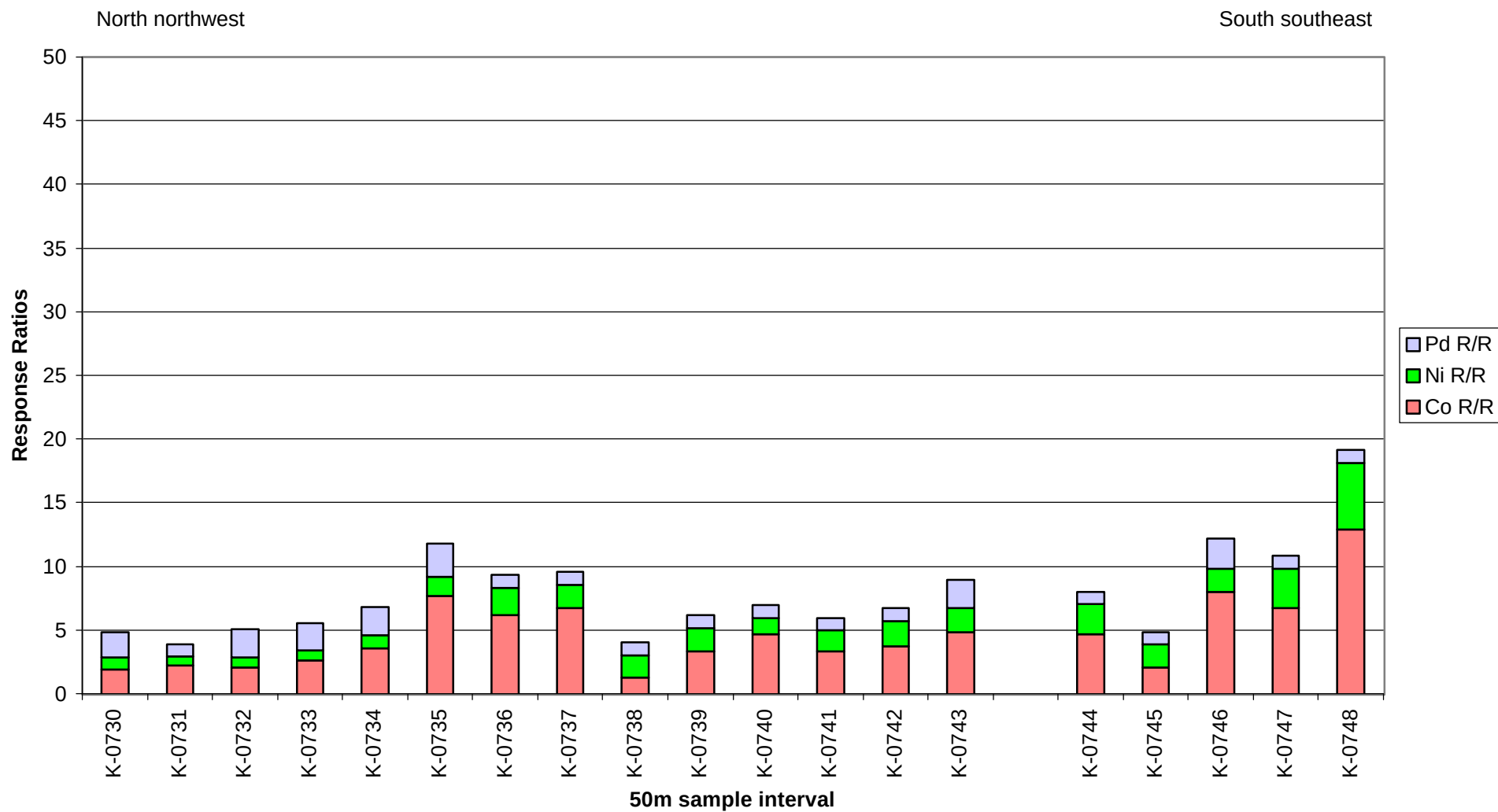
South southeast



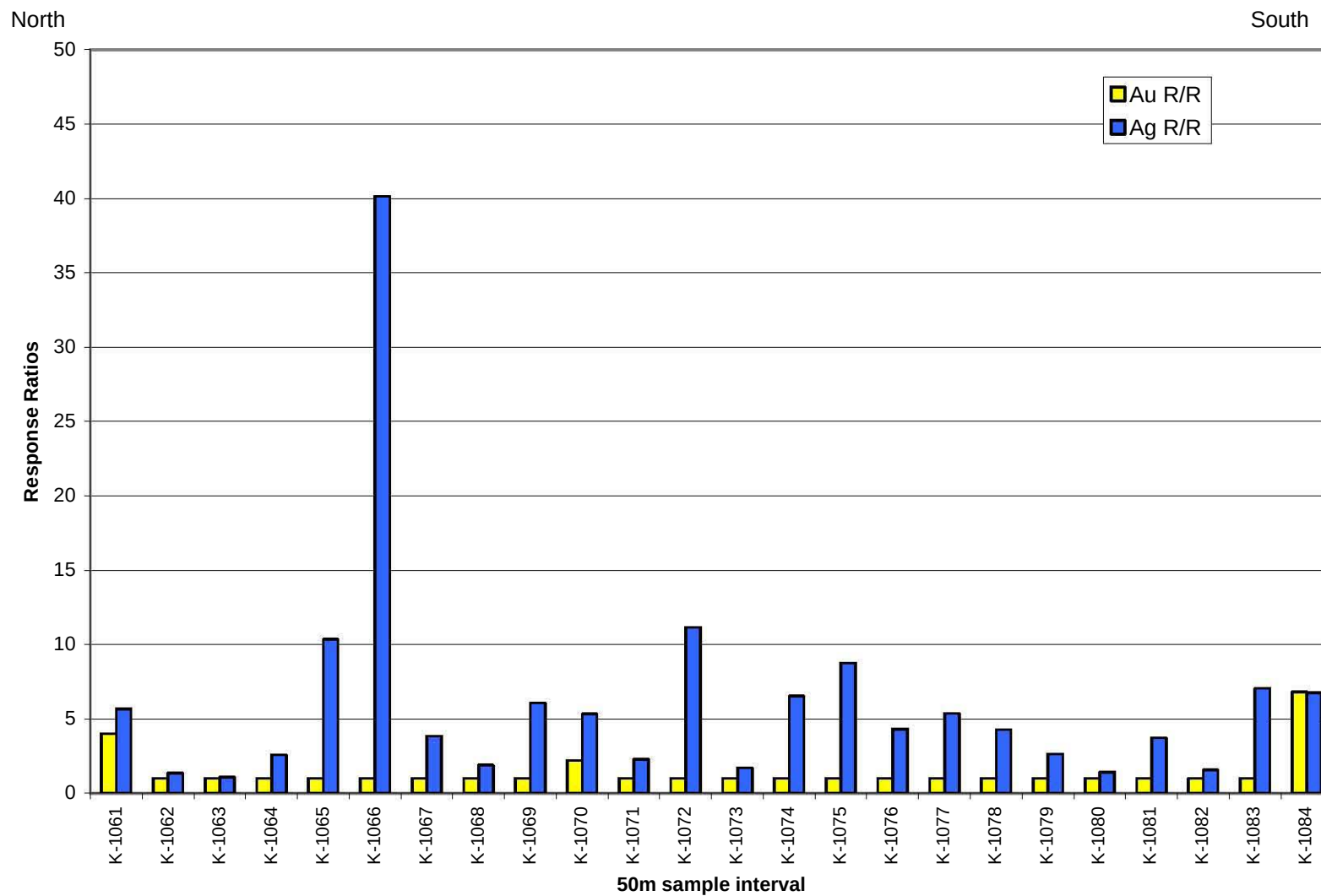
MMI TRAVERSE 30



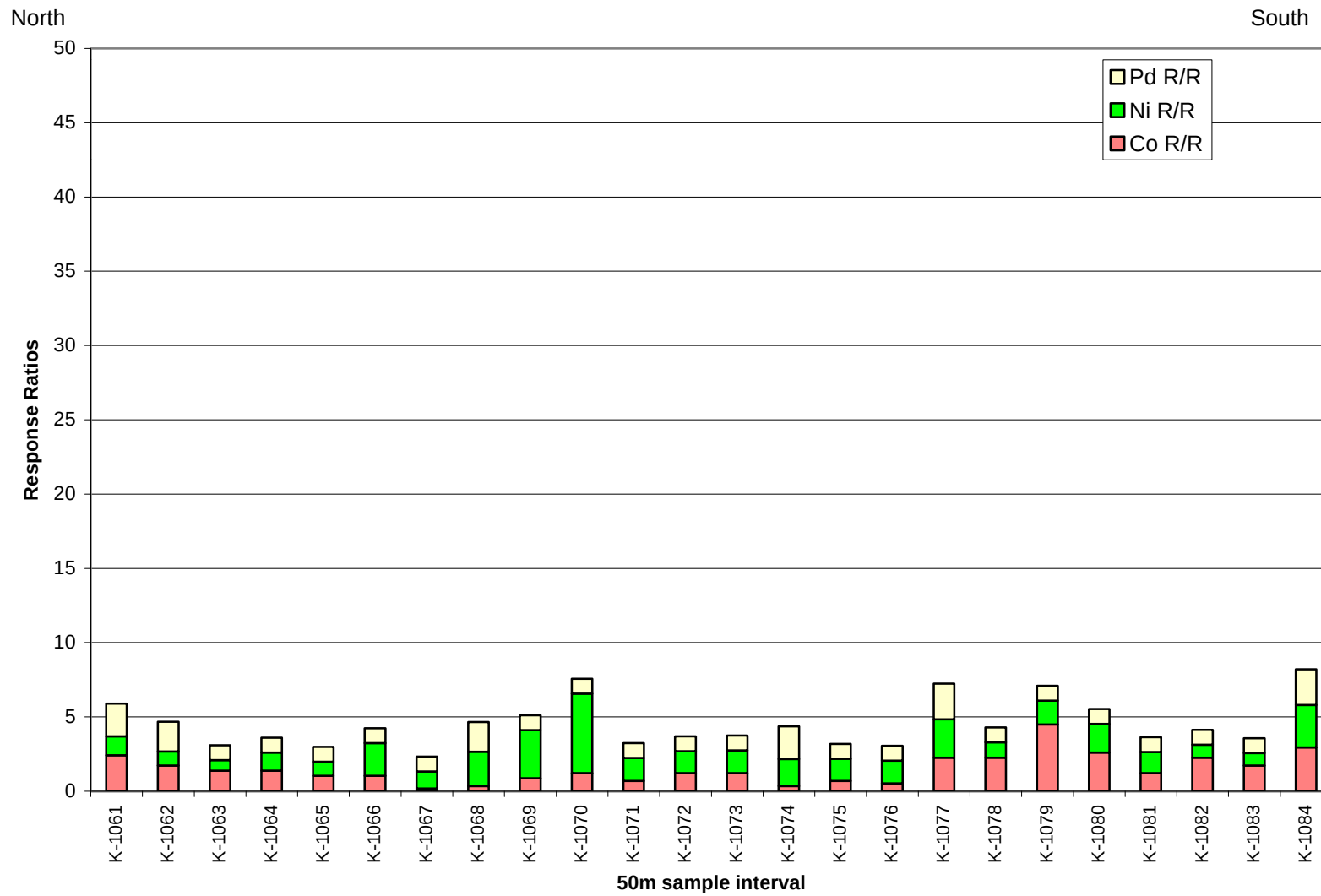
MMI TRAVERSE 30



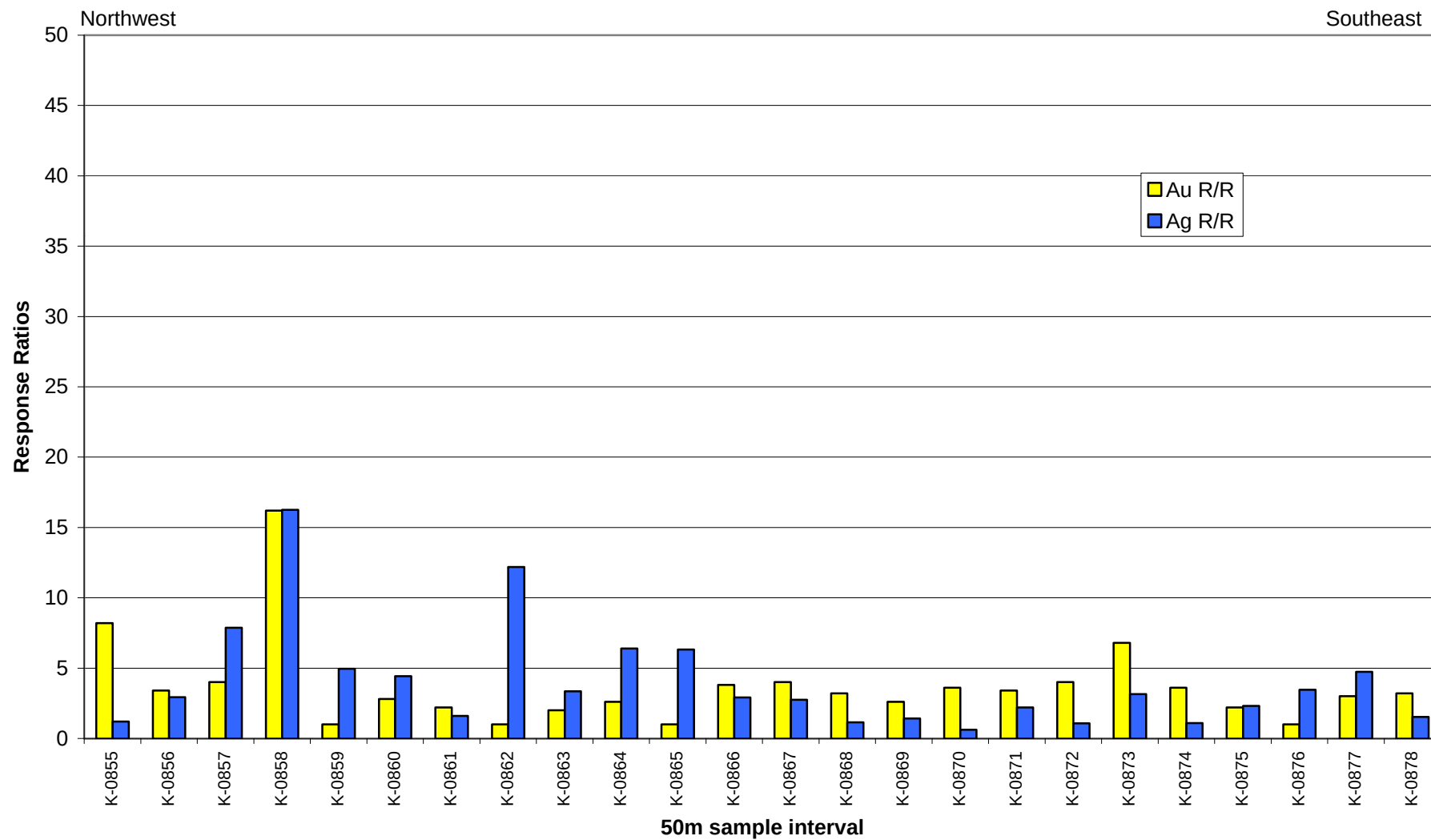
MMI TRAVERSE 31



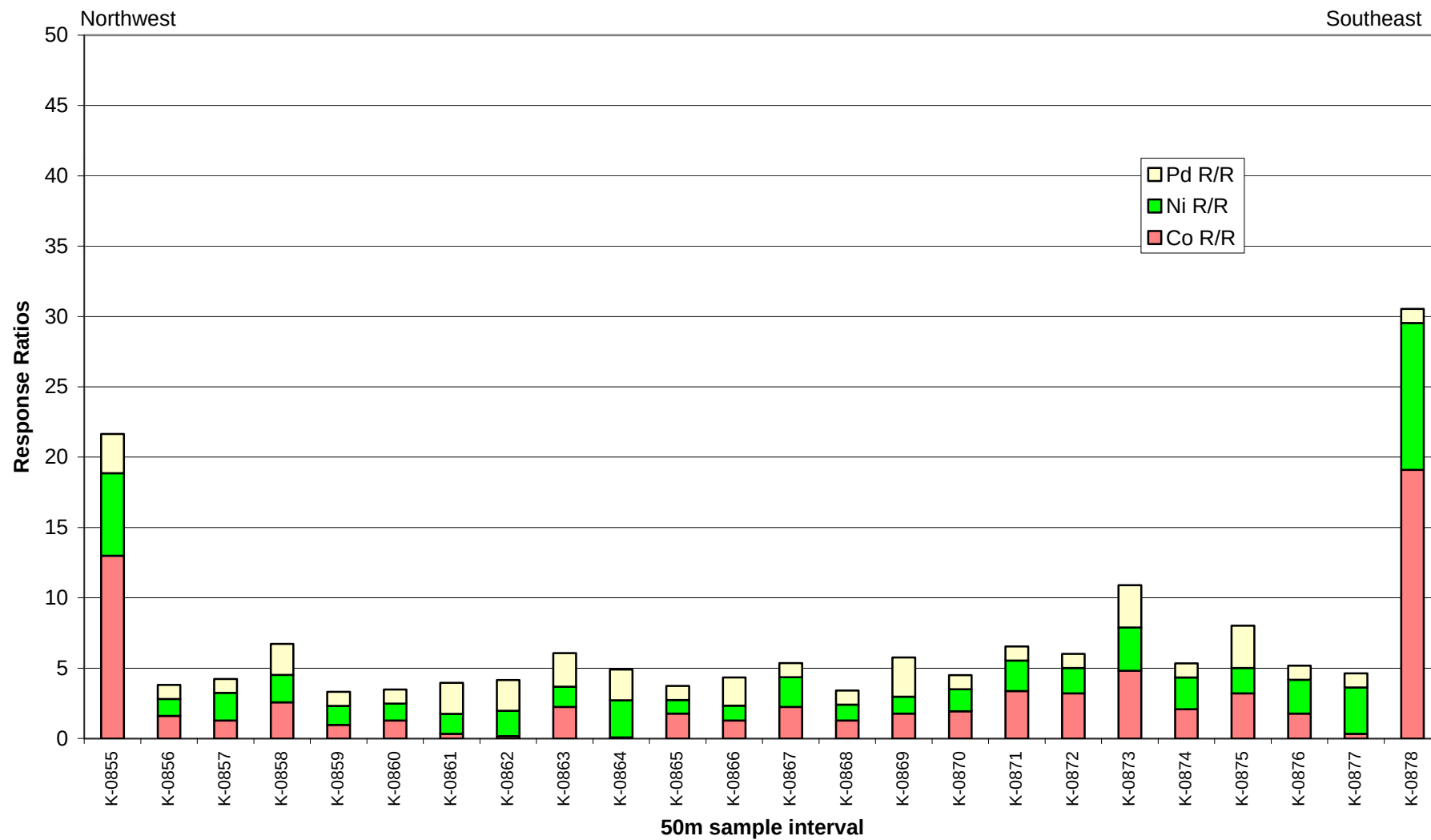
MMI TRAVERSE 31



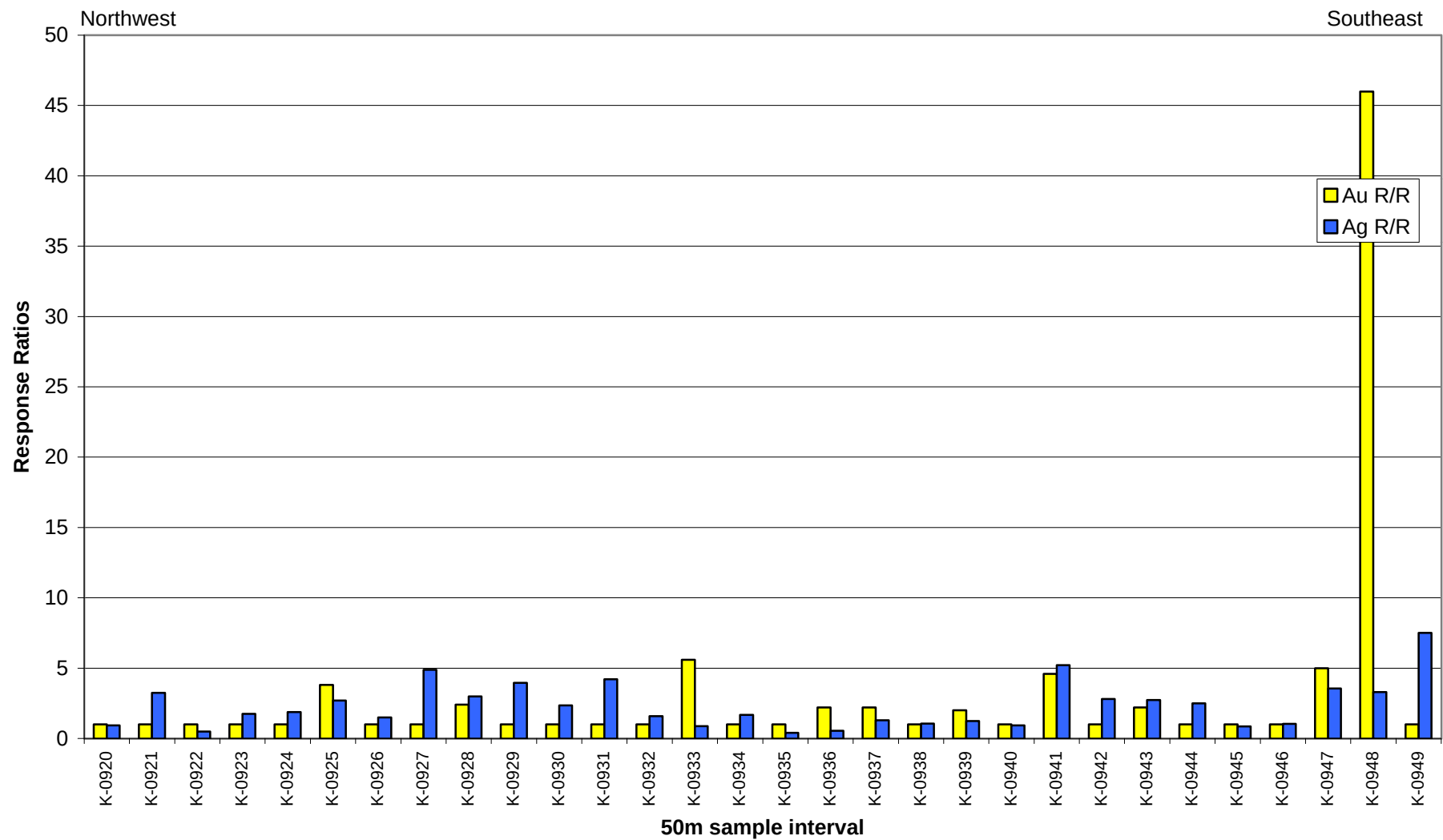
MMI TRAVERSE 36



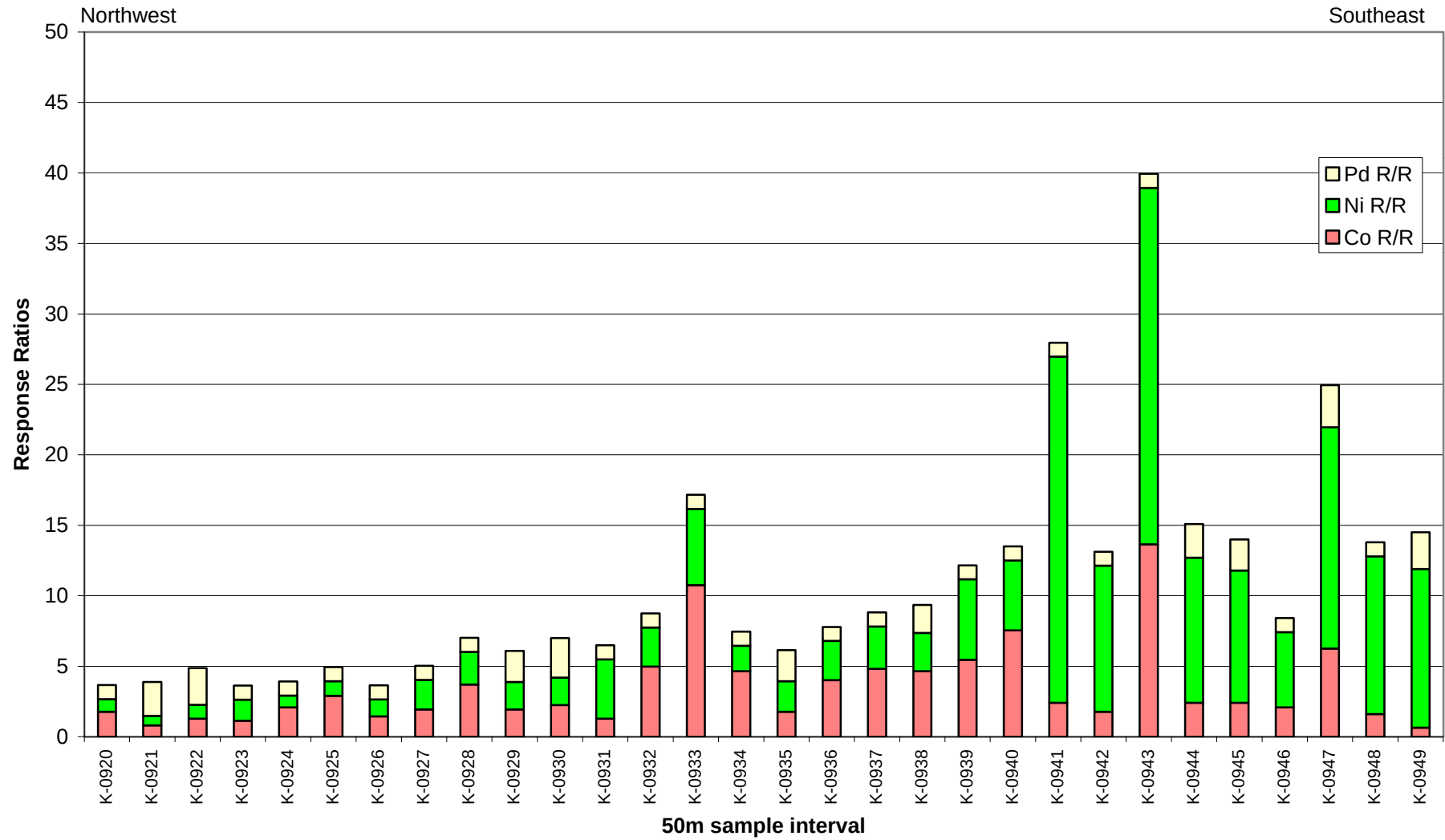
MMI TRAVERSE 36



MMI TRAVERSE 37



MMI TRAVERSE 37

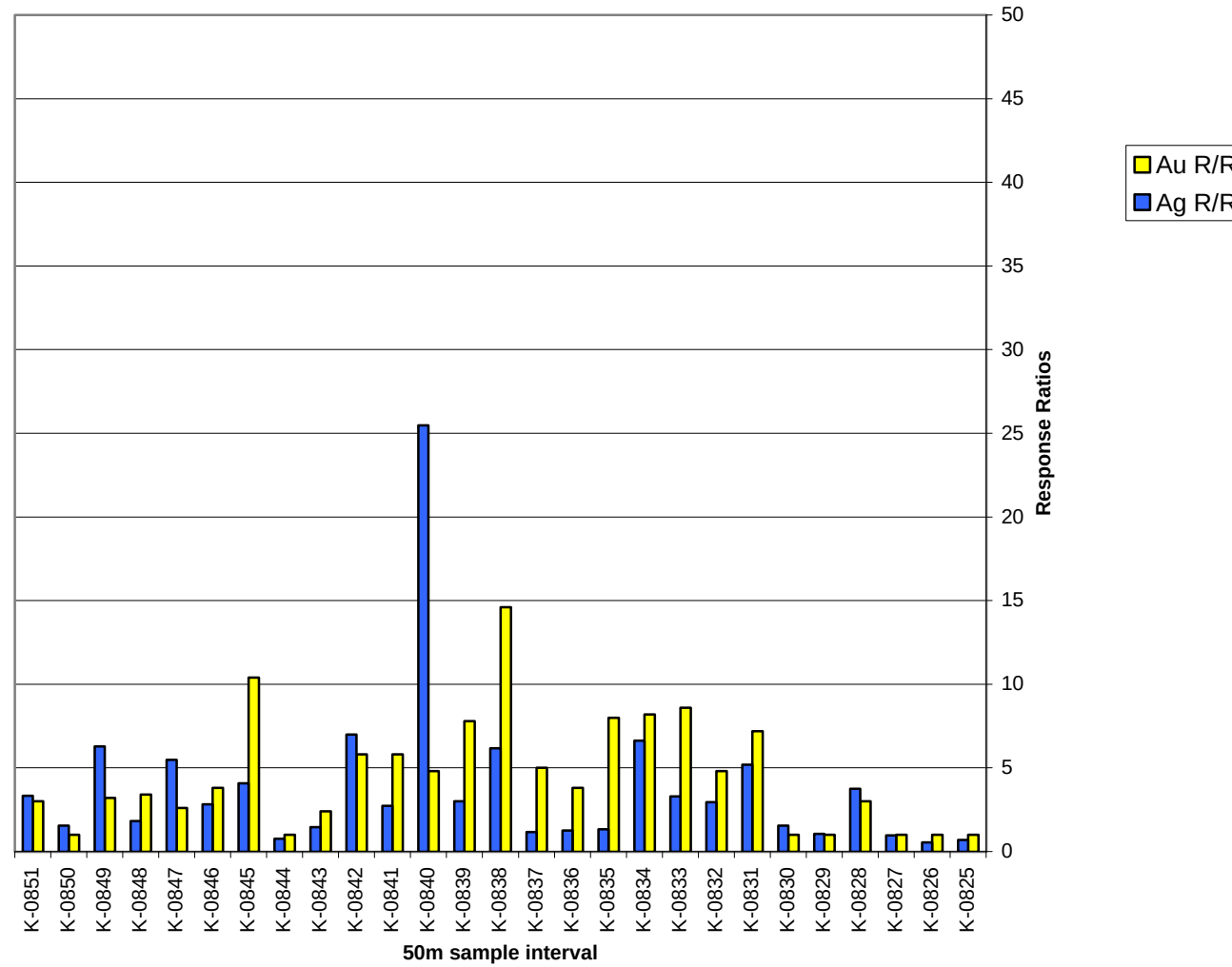


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Northeast

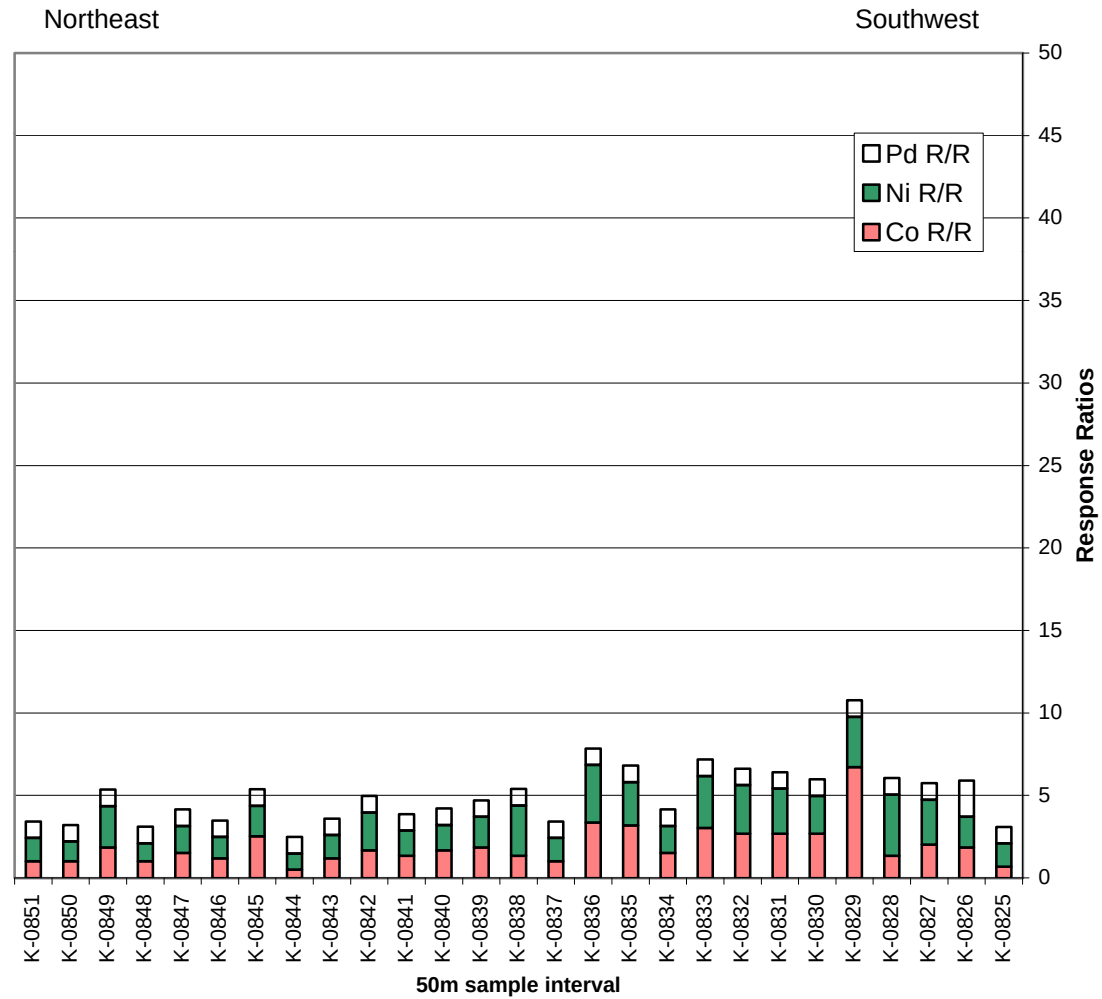
MMI TRAVERSE 40

Southwest

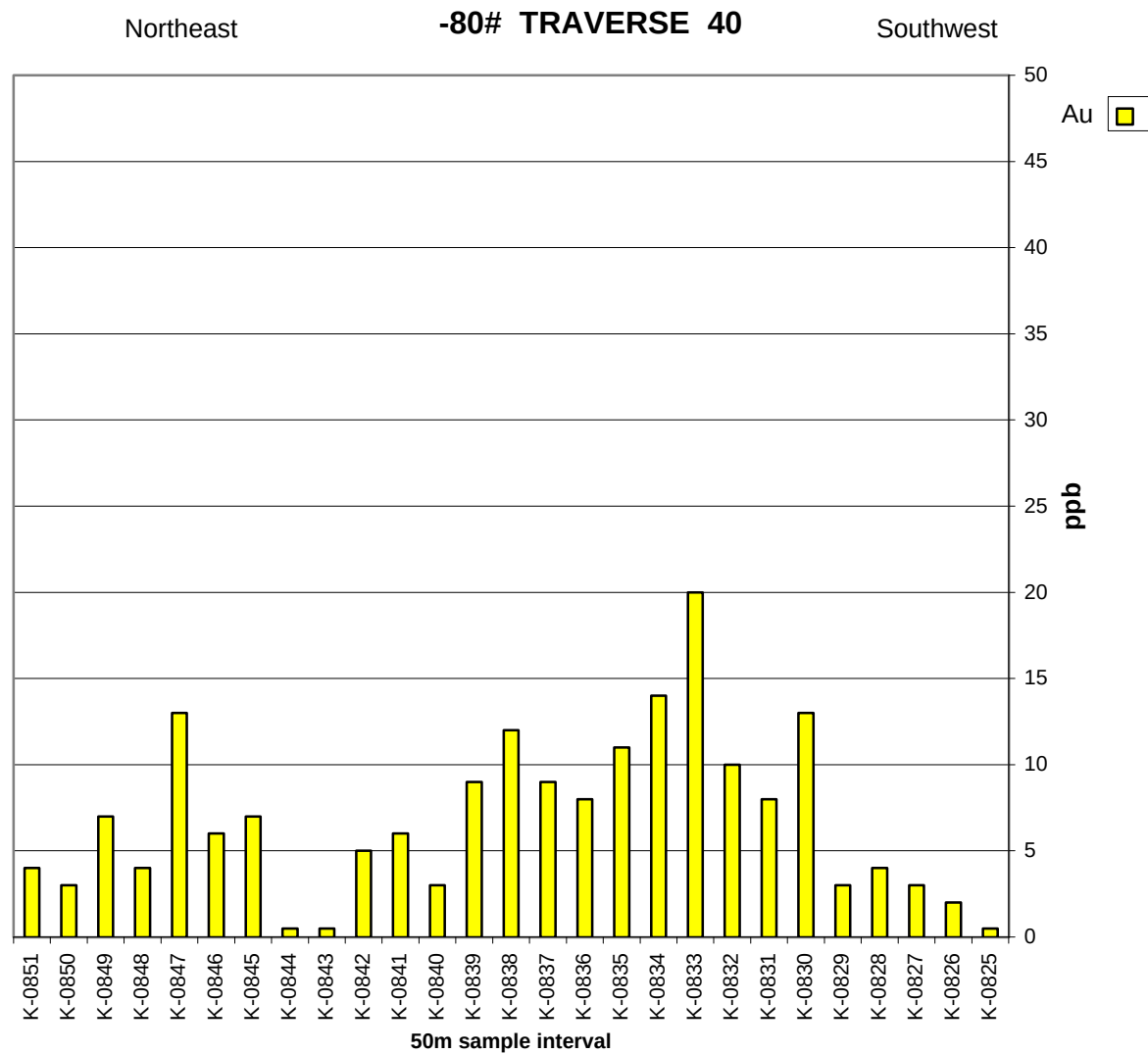


KSL EXPLORATION (YUKON) LIMITED

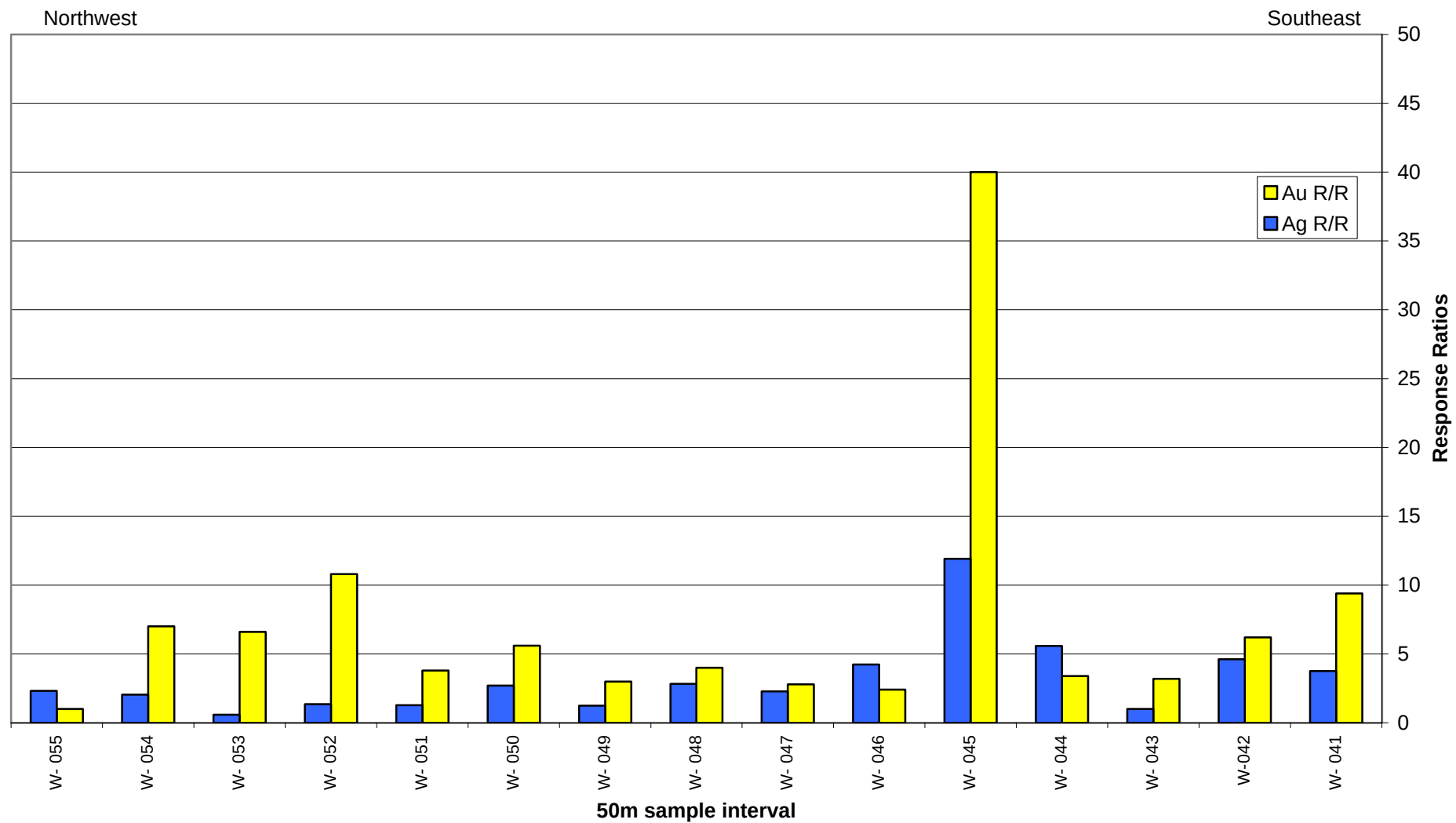
MMI TRAVERSE 40



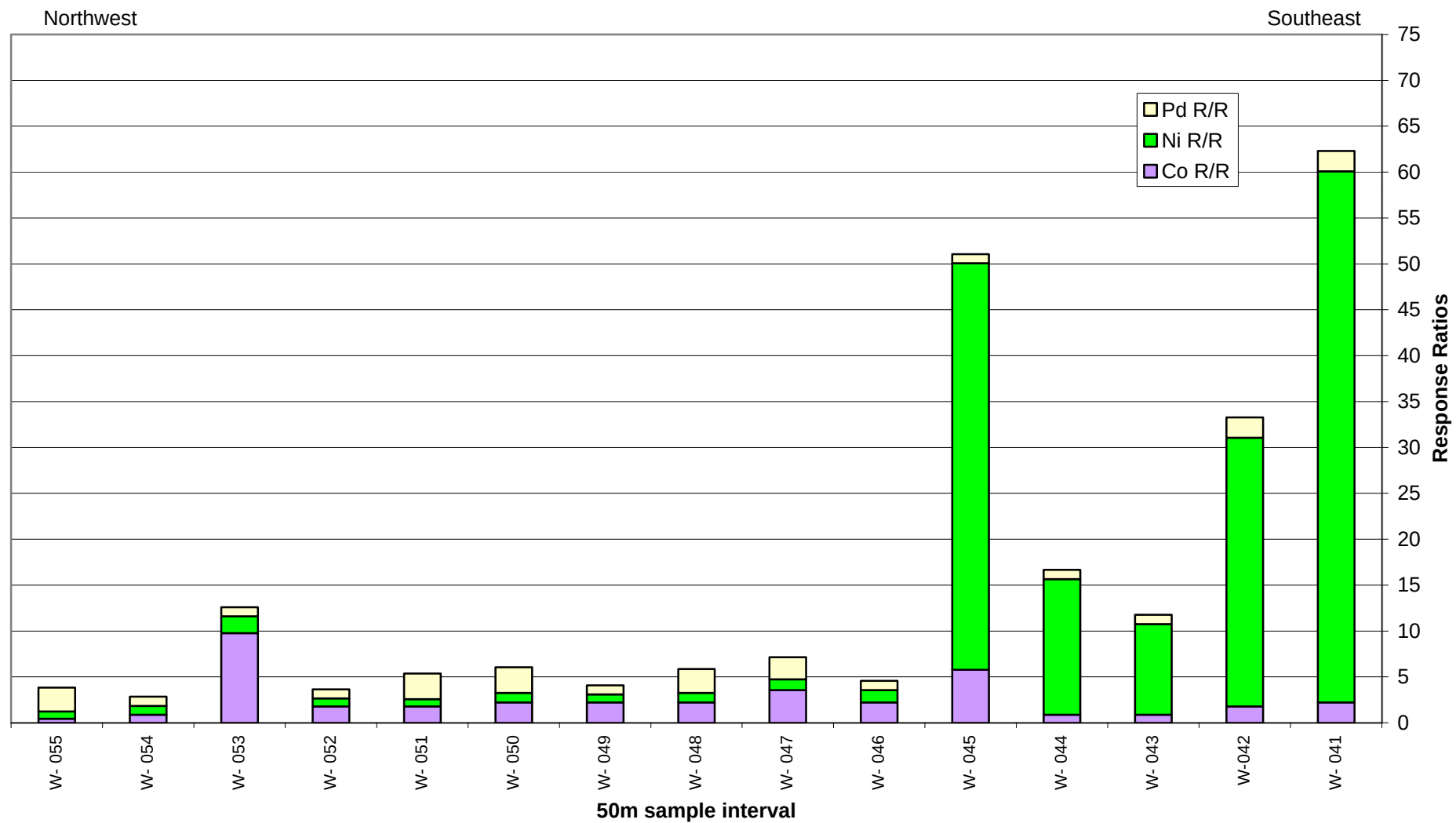
KSL EXPLORATION (YUKON) LIMITED



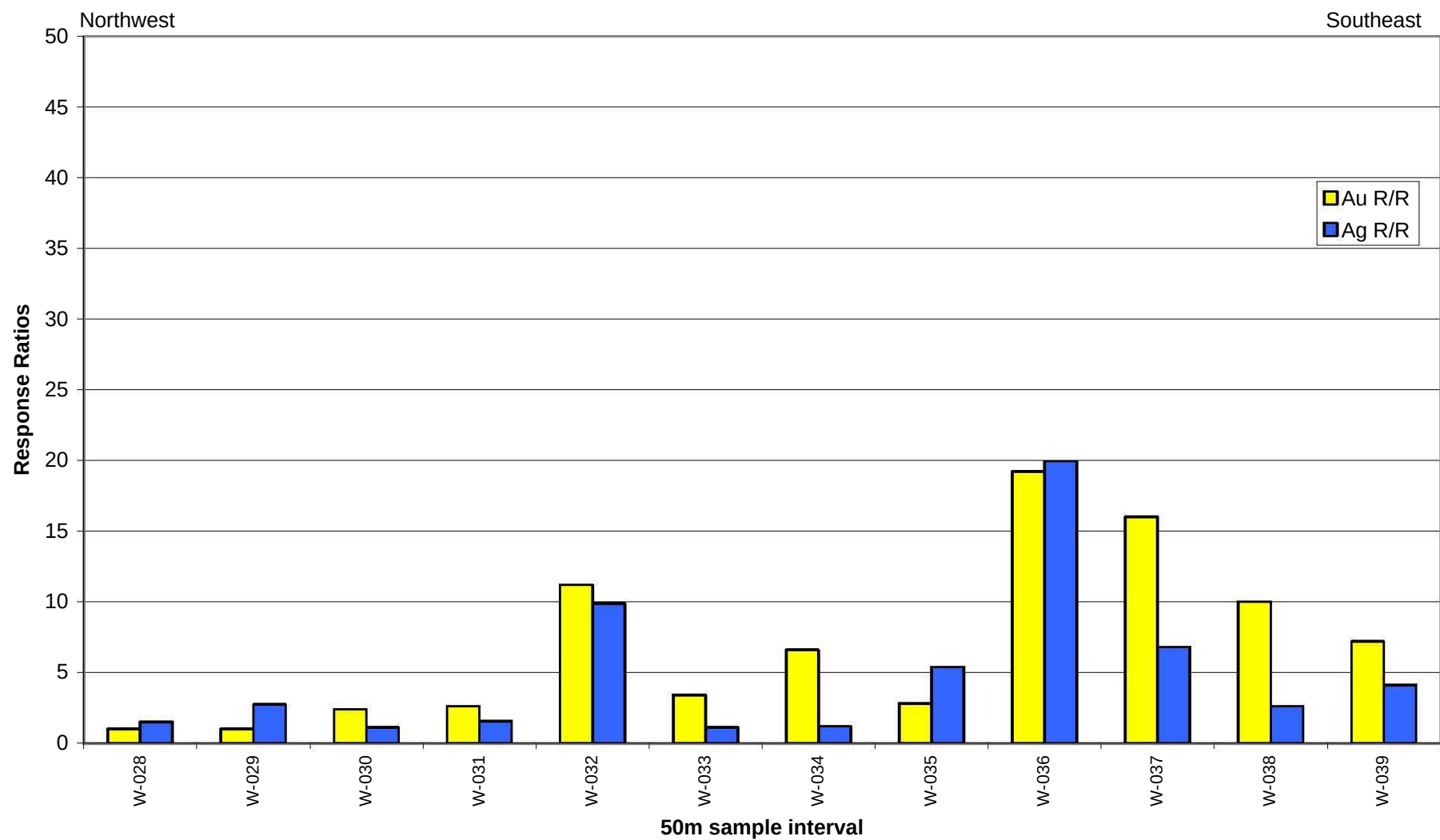
MMI TRAVERSE 45



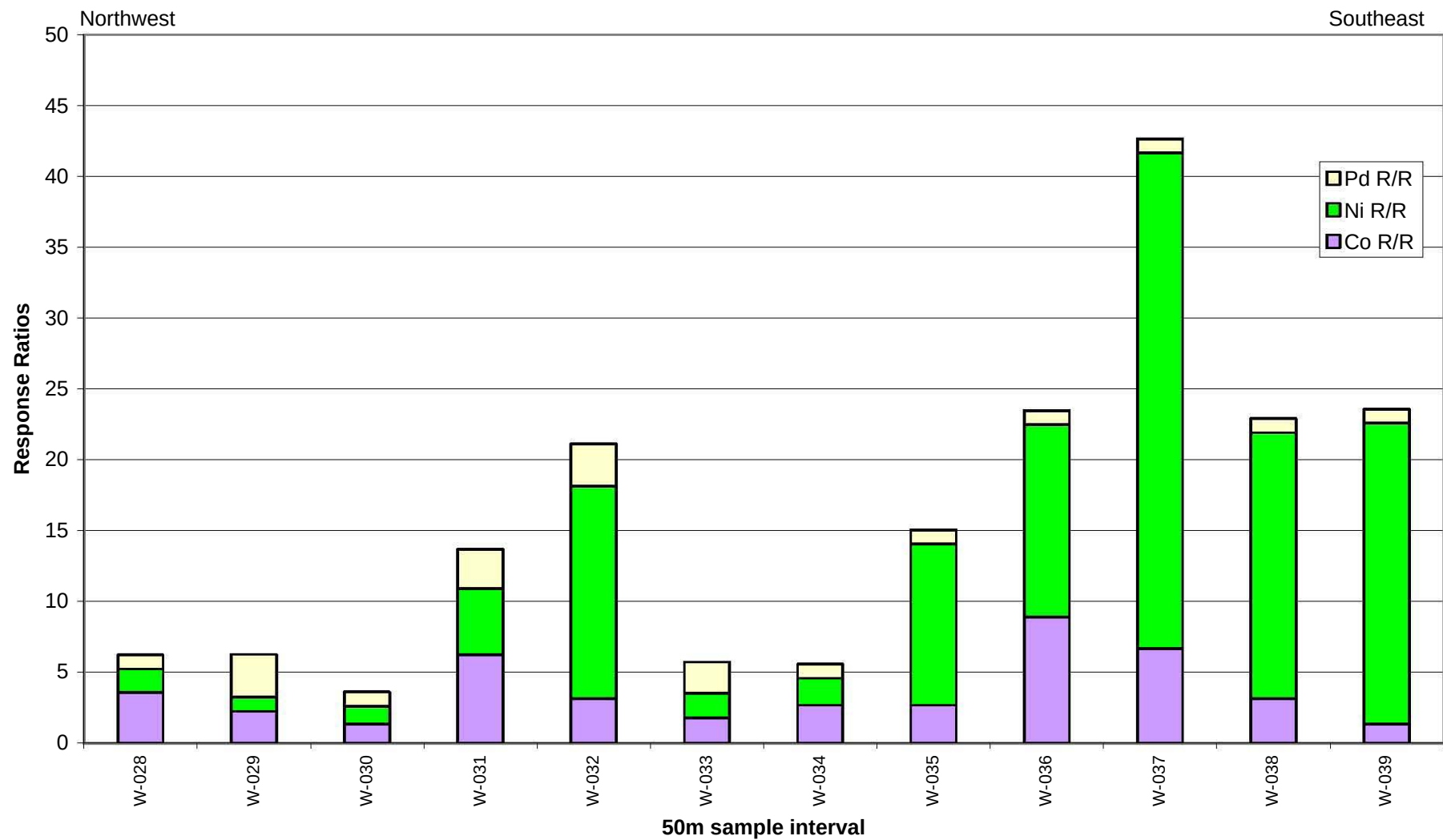
MMI TRAVERSE 45



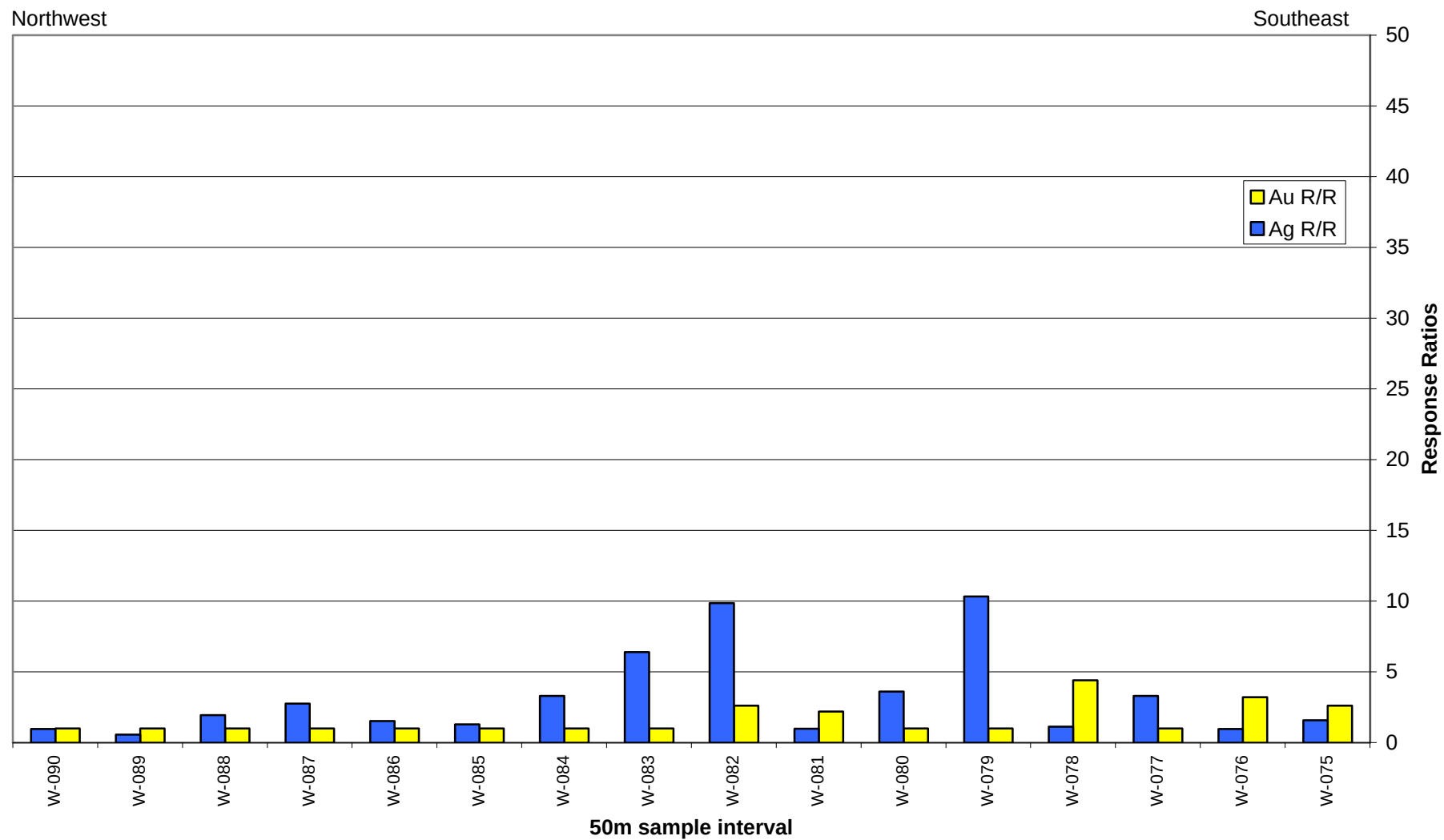
MMI TRAVERSE 46



MMI TRAVERSE 46

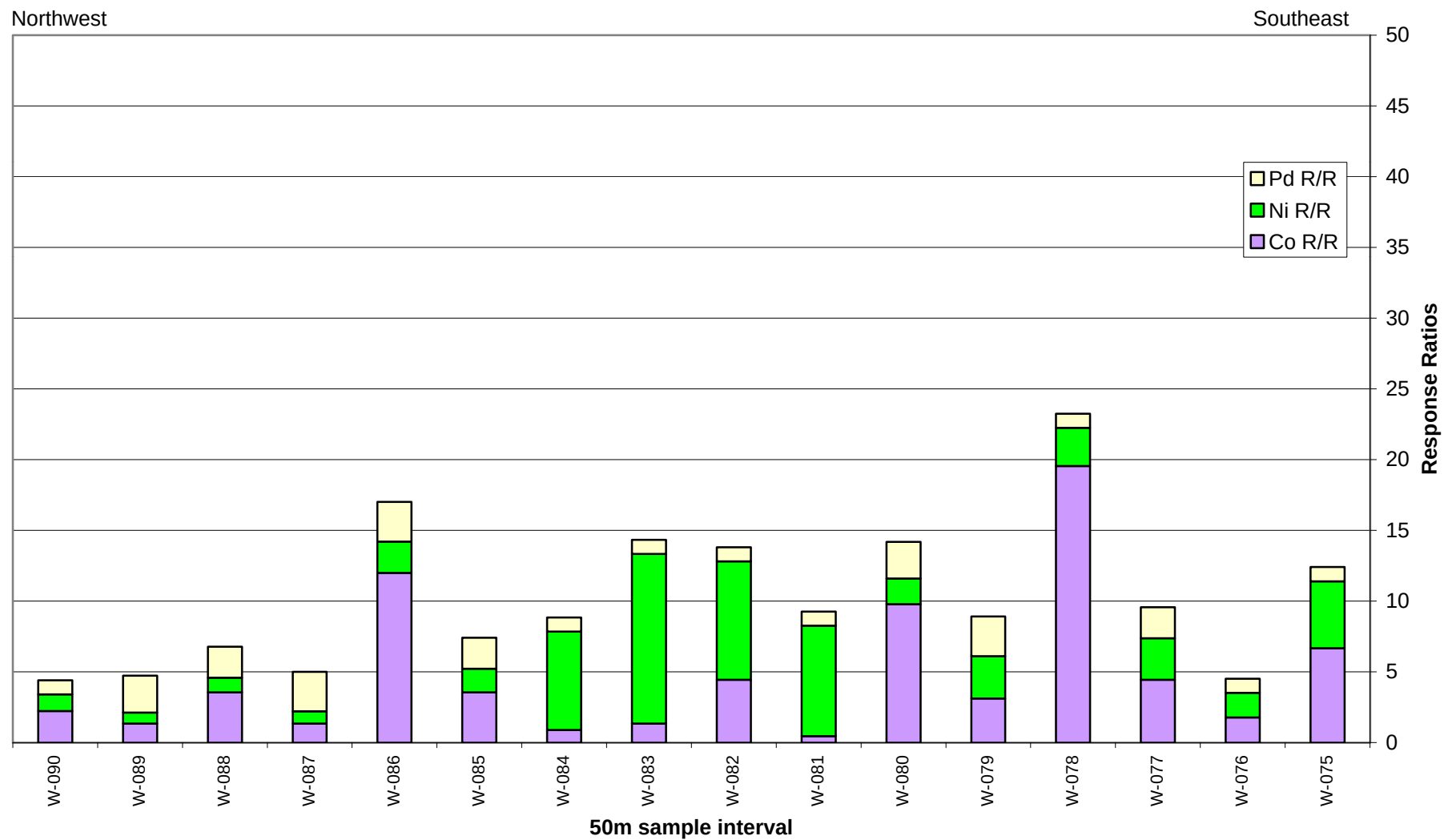


MMI TRAVERSE 47

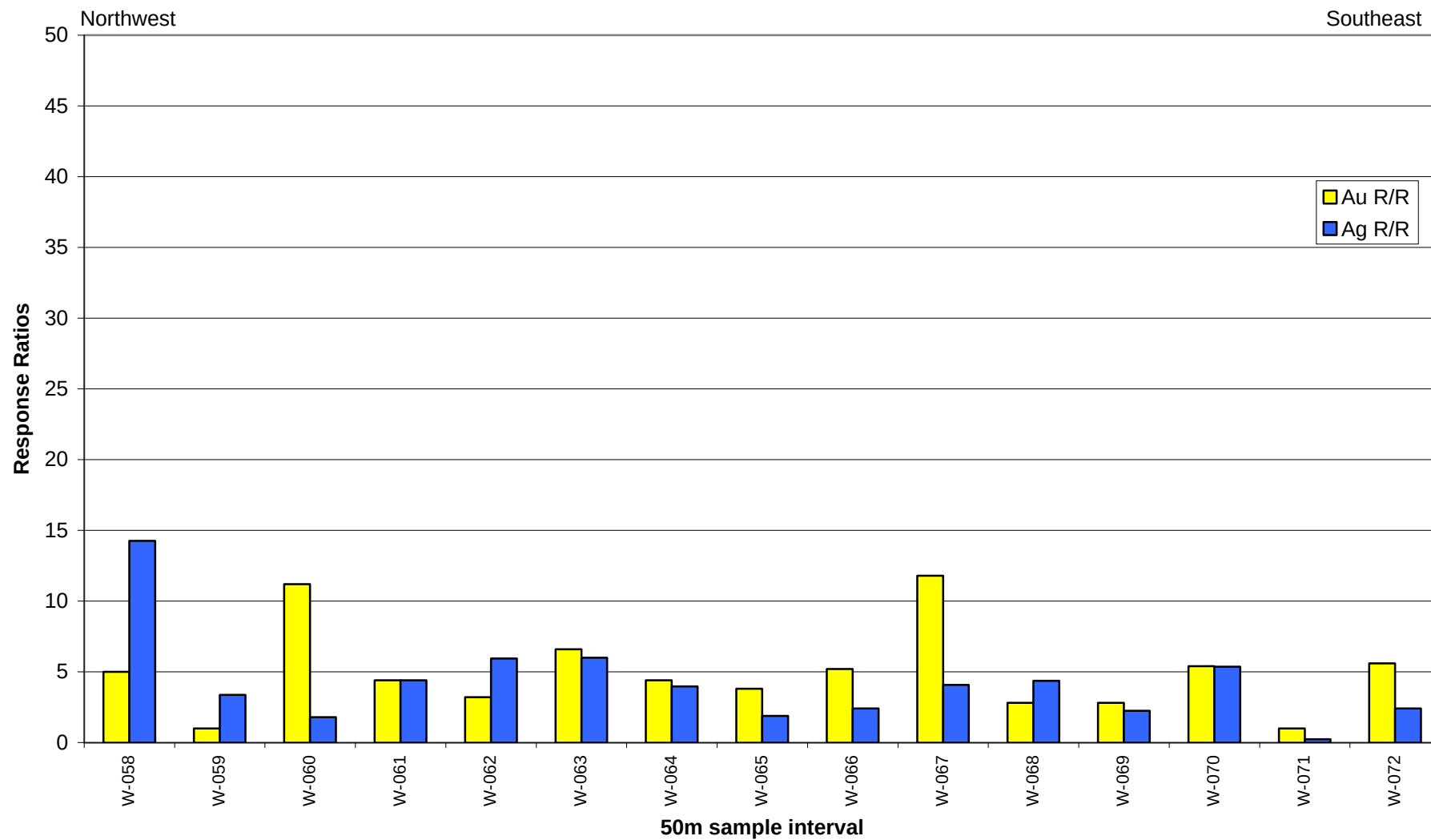


Tr 47(1)

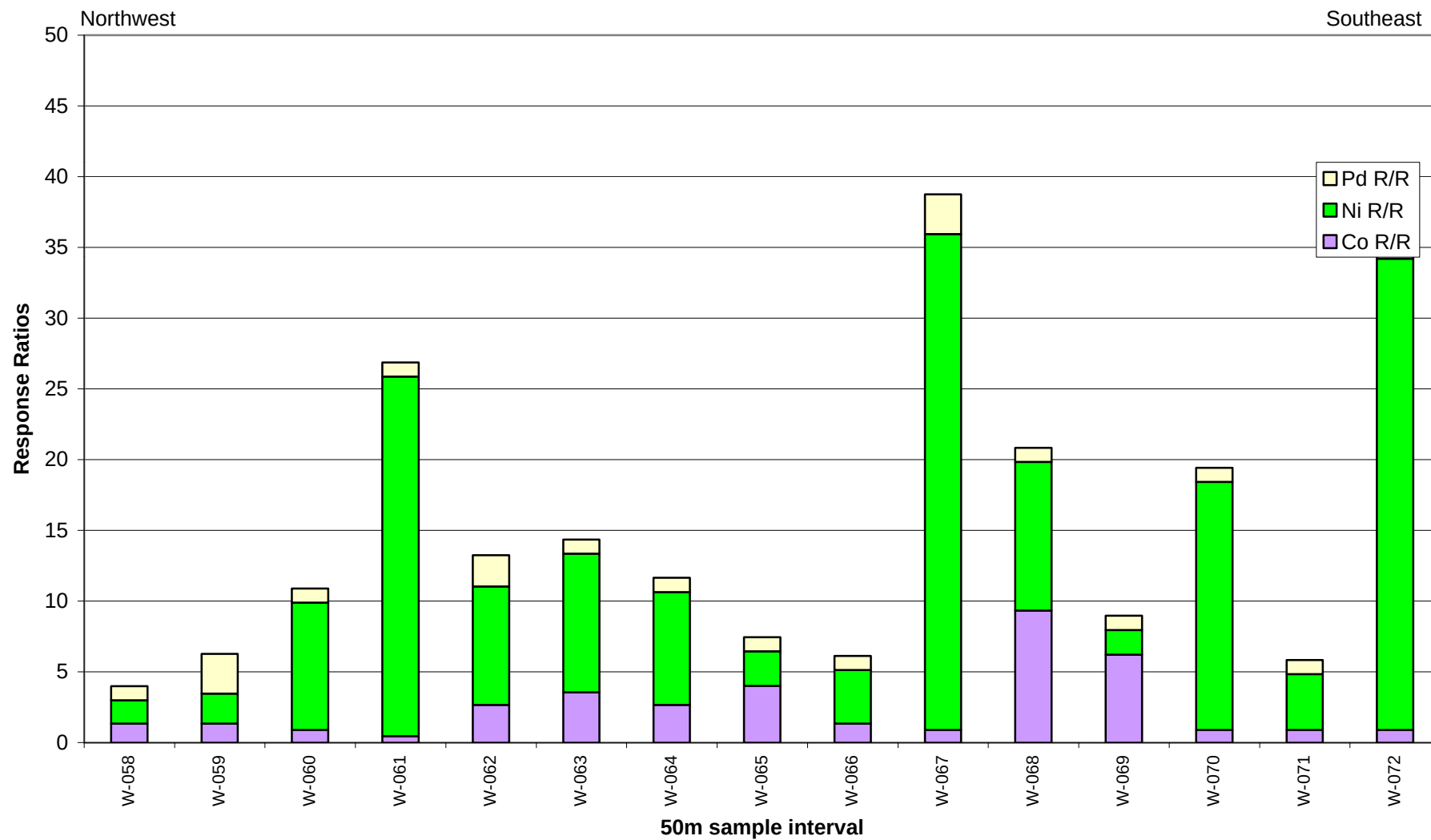
MMI TRAVERSE 47



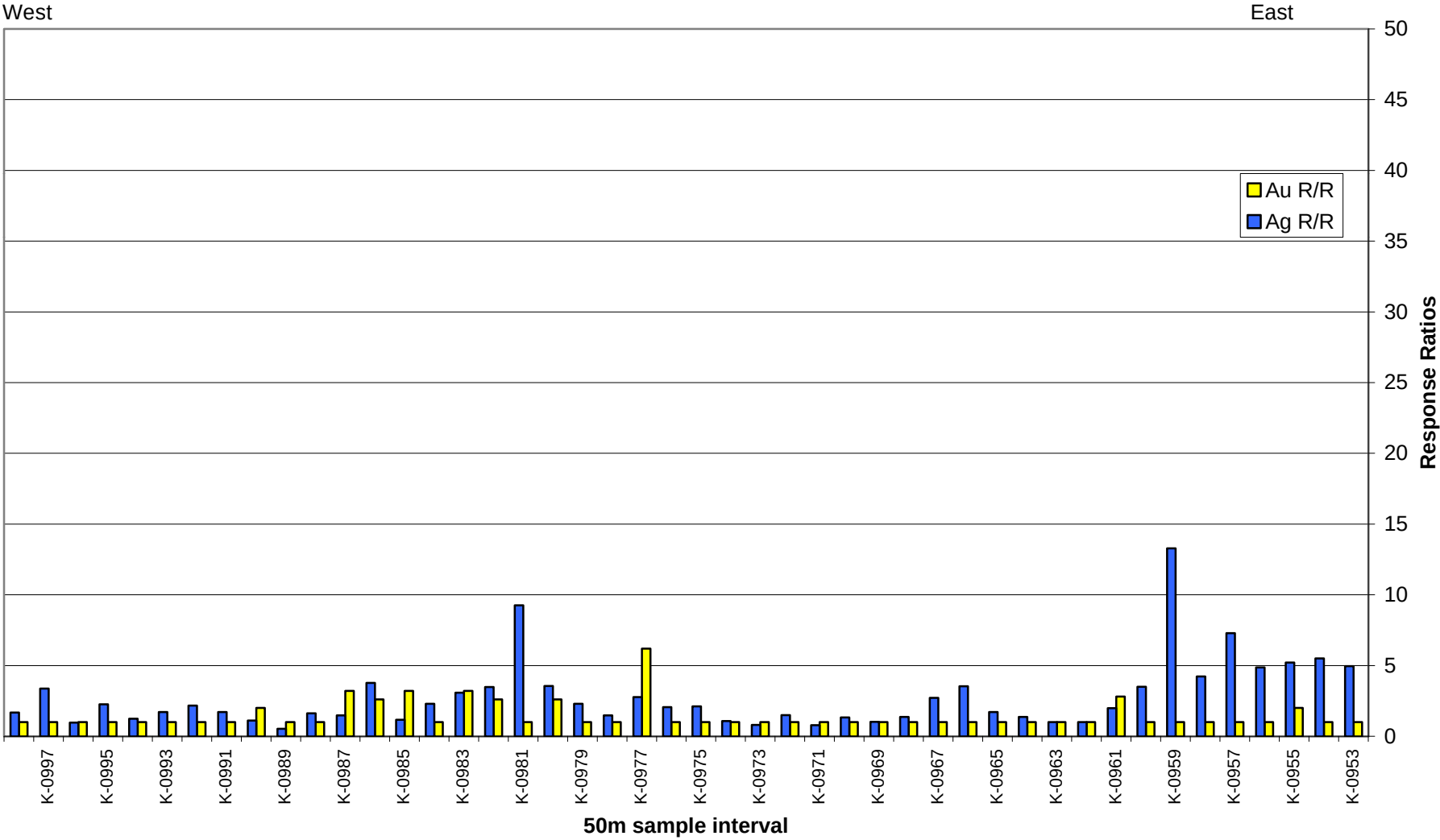
MMI TRAVERSE 48



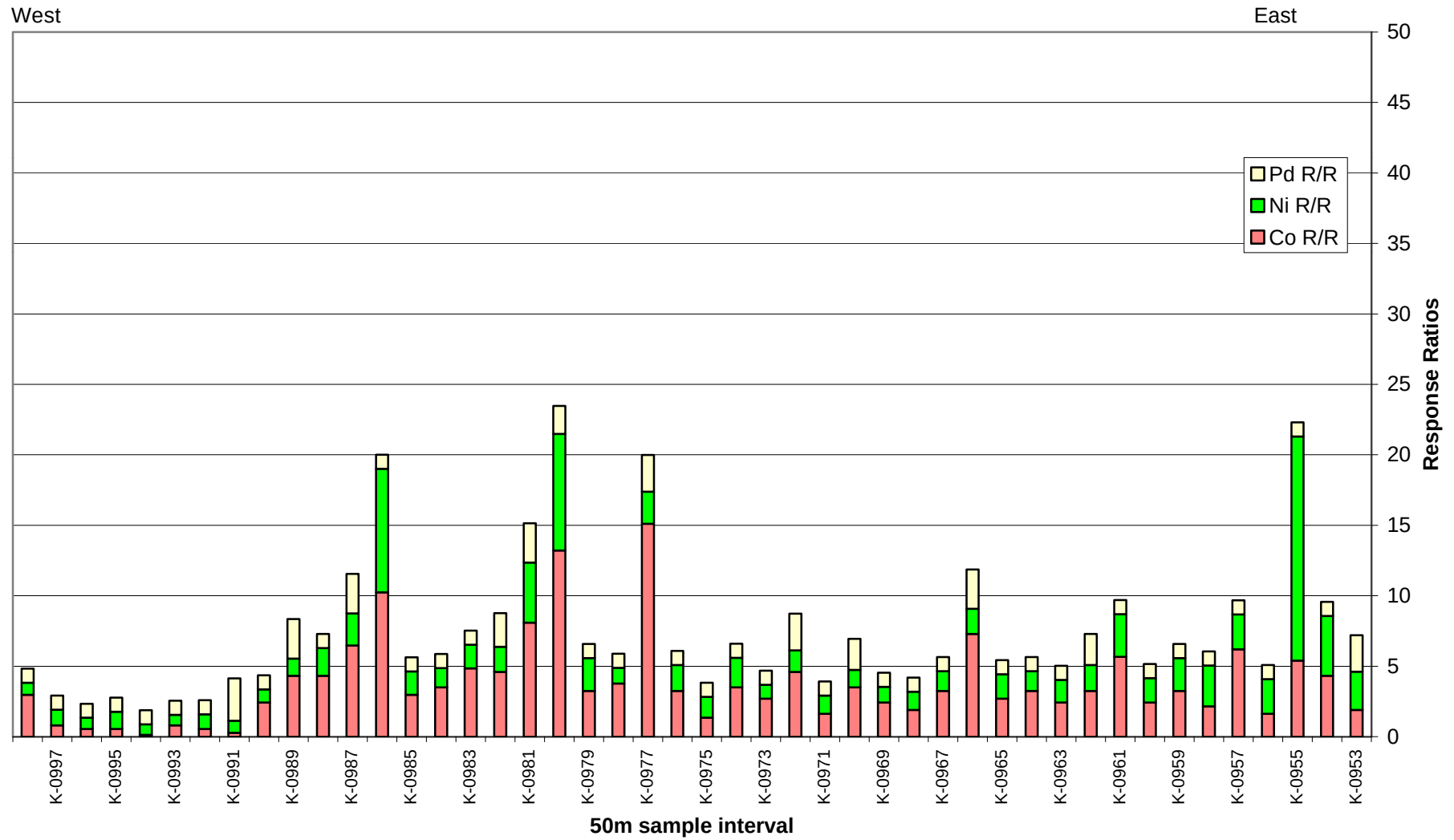
MMI TRAVERSE 48



MMI TRAVERSE 50

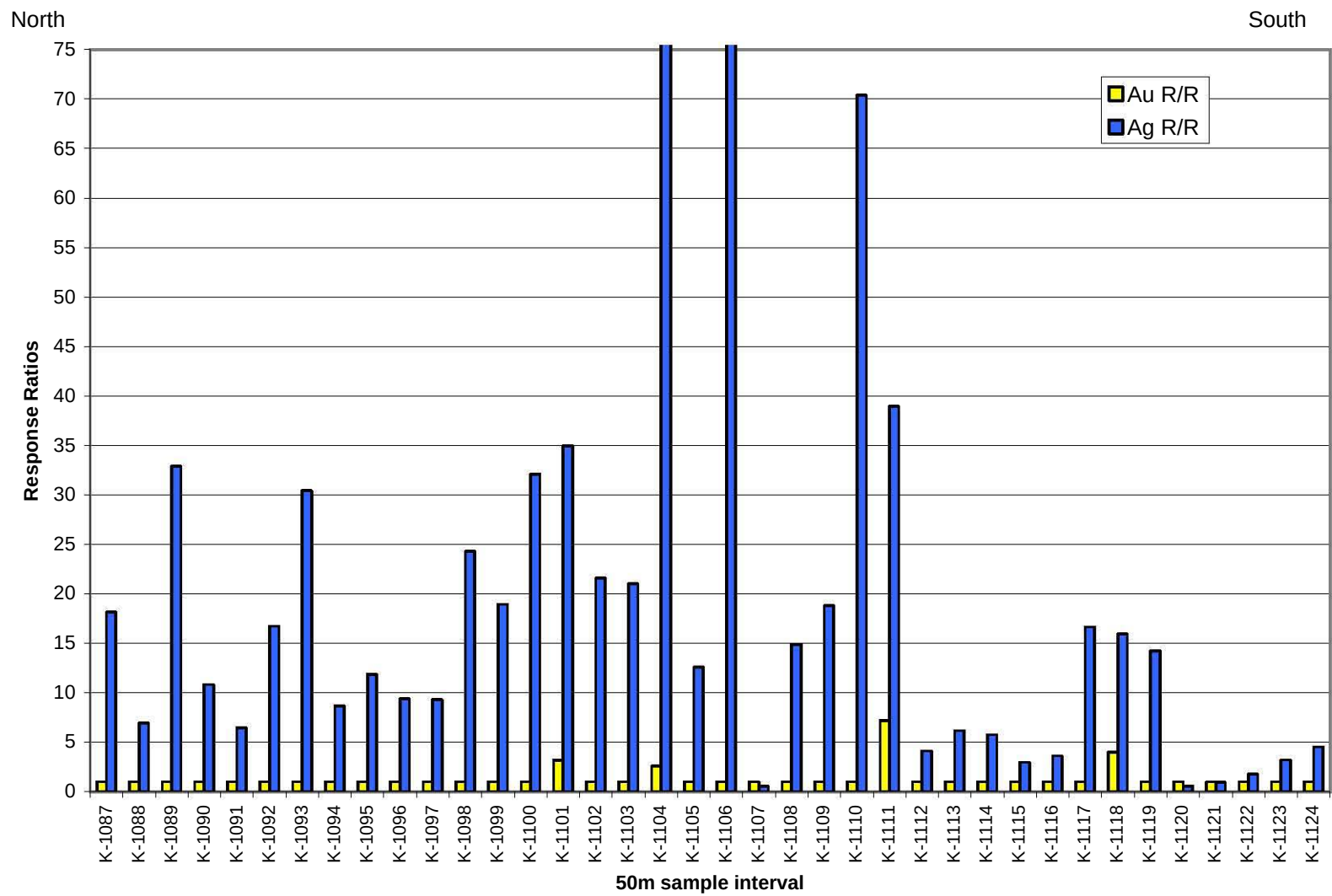


MMI TRAVERSE 50

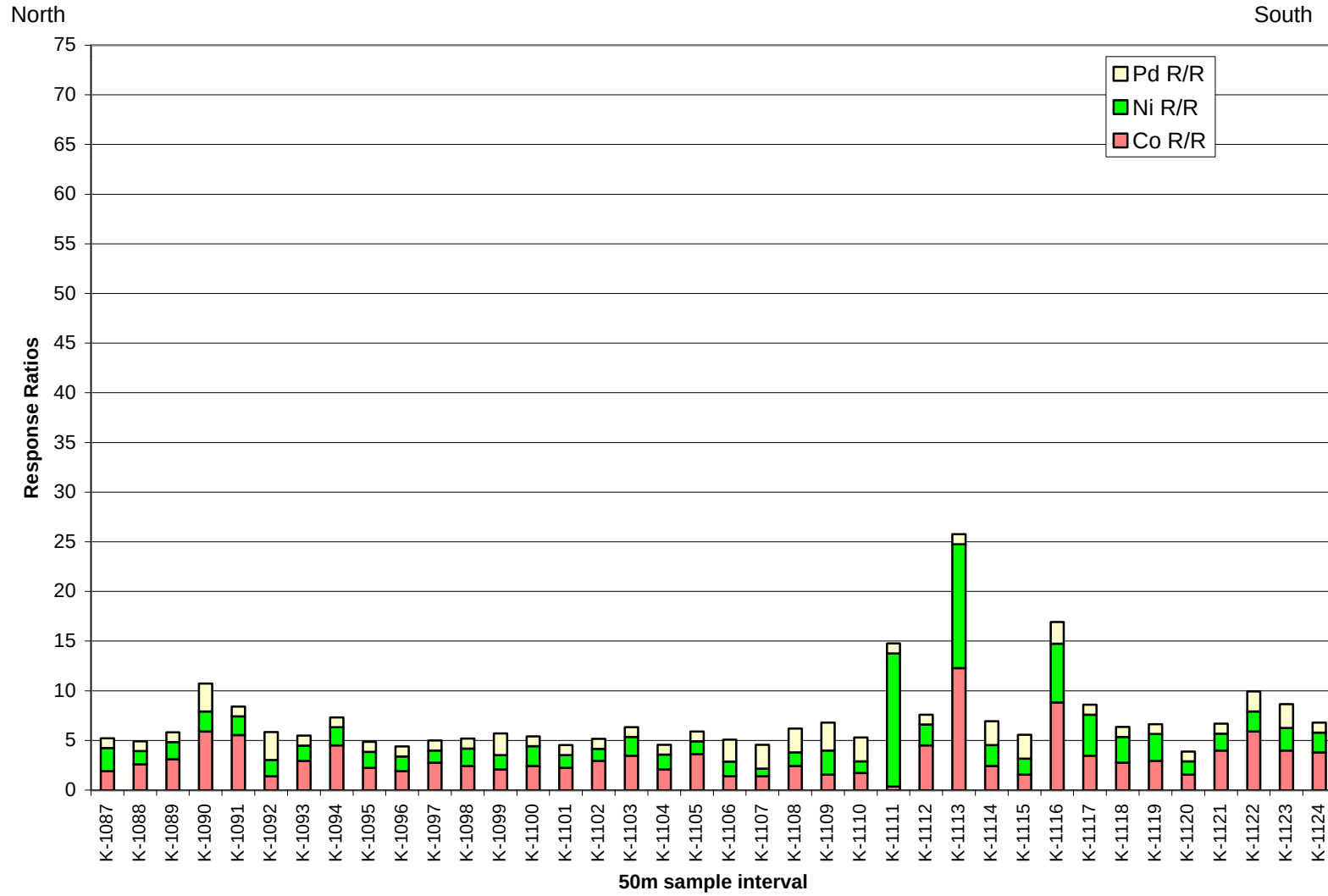


Tr 50(2)

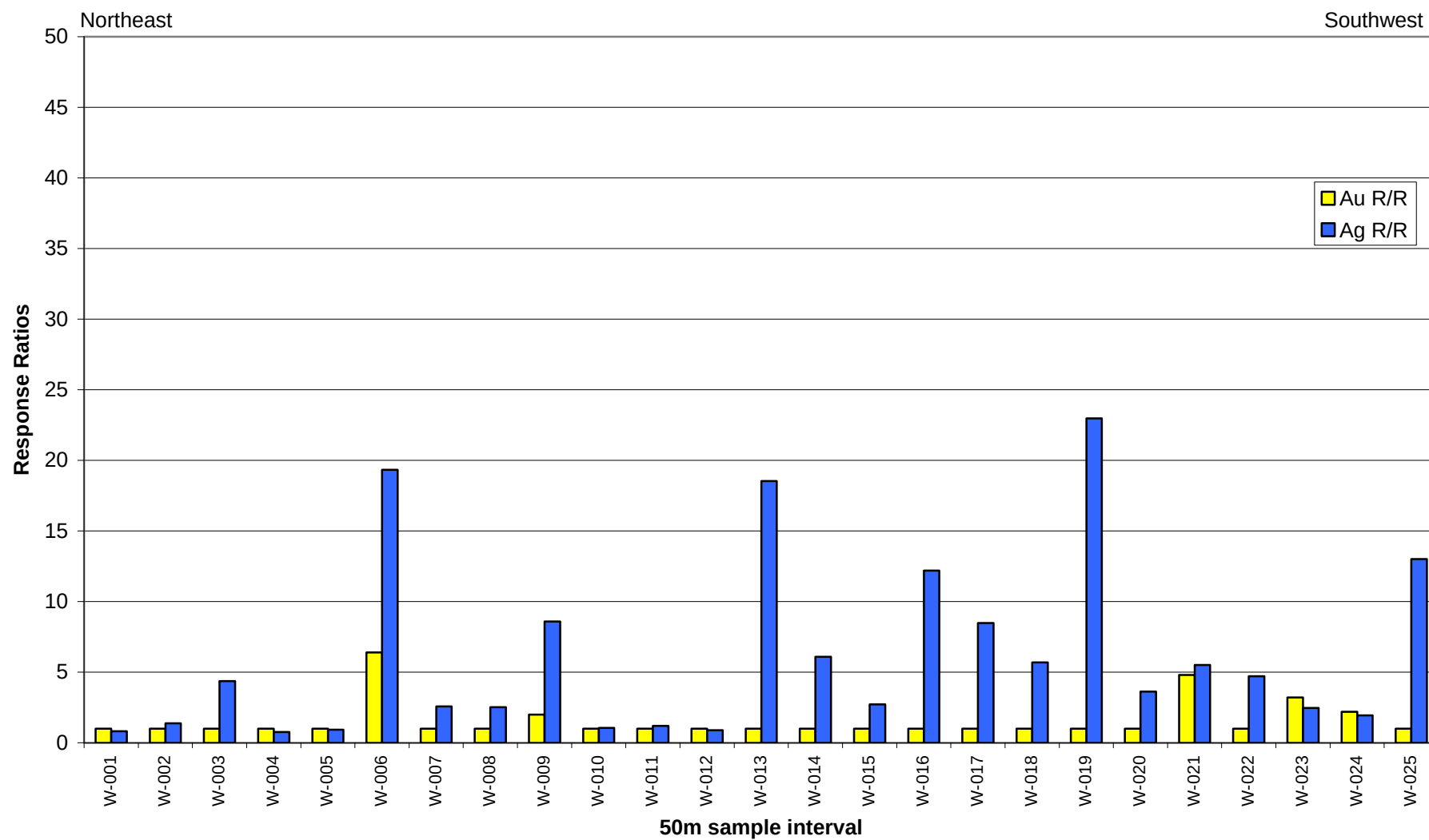
MMI TRAVERSE 52



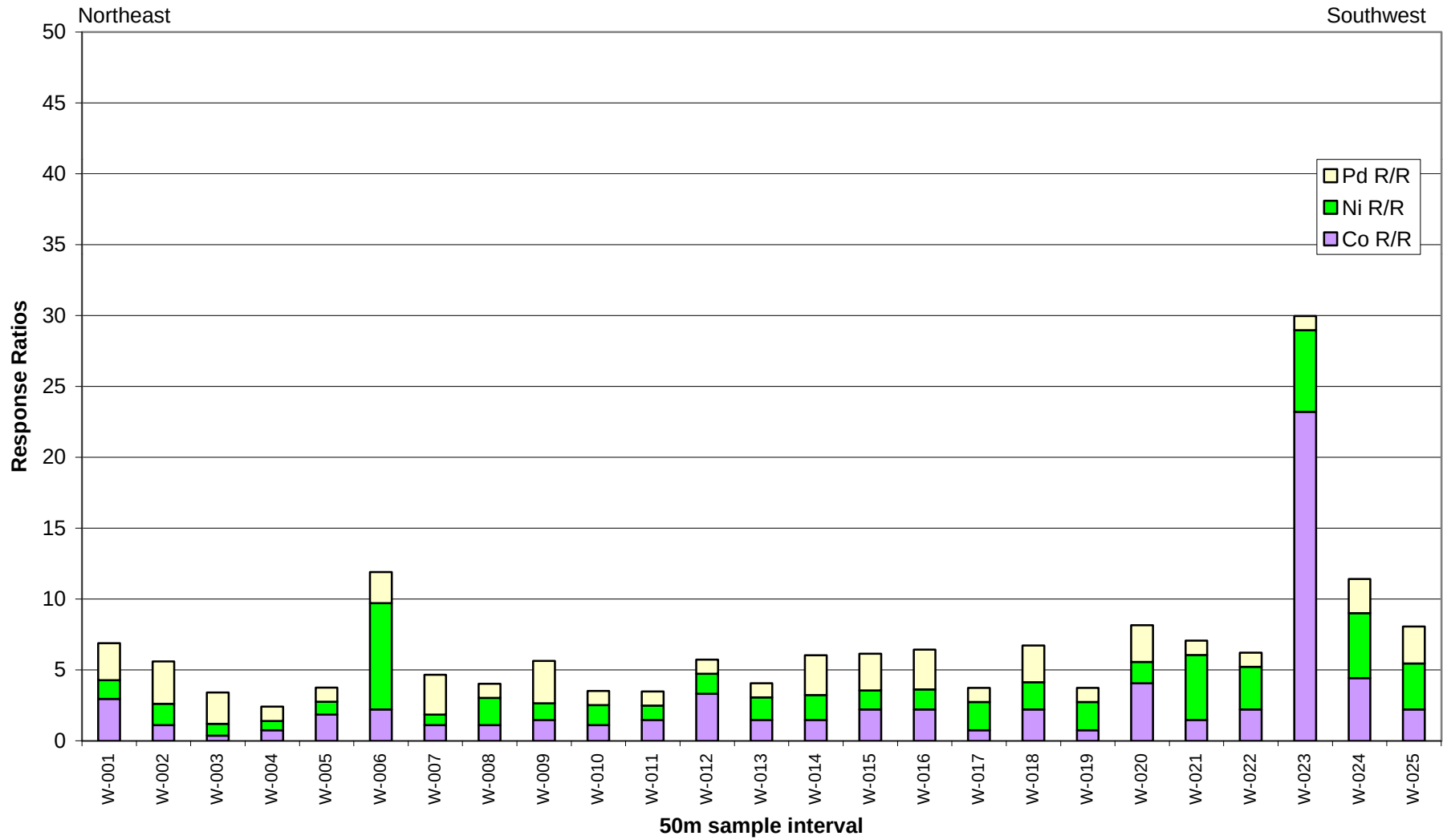
MMI TRAVERSE 52



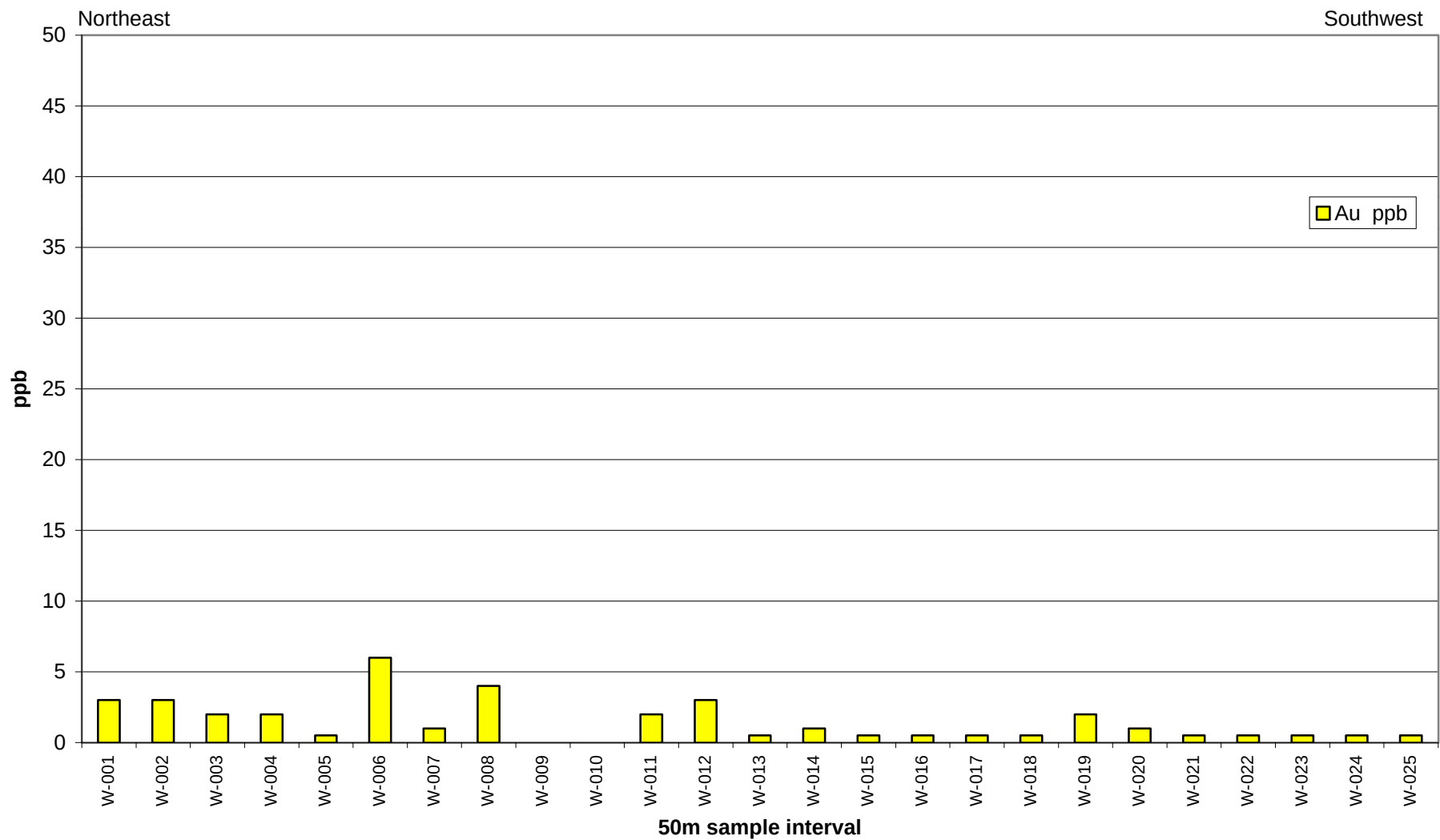
MMI TRAVERSE 57



MMI TRAVERSE 57

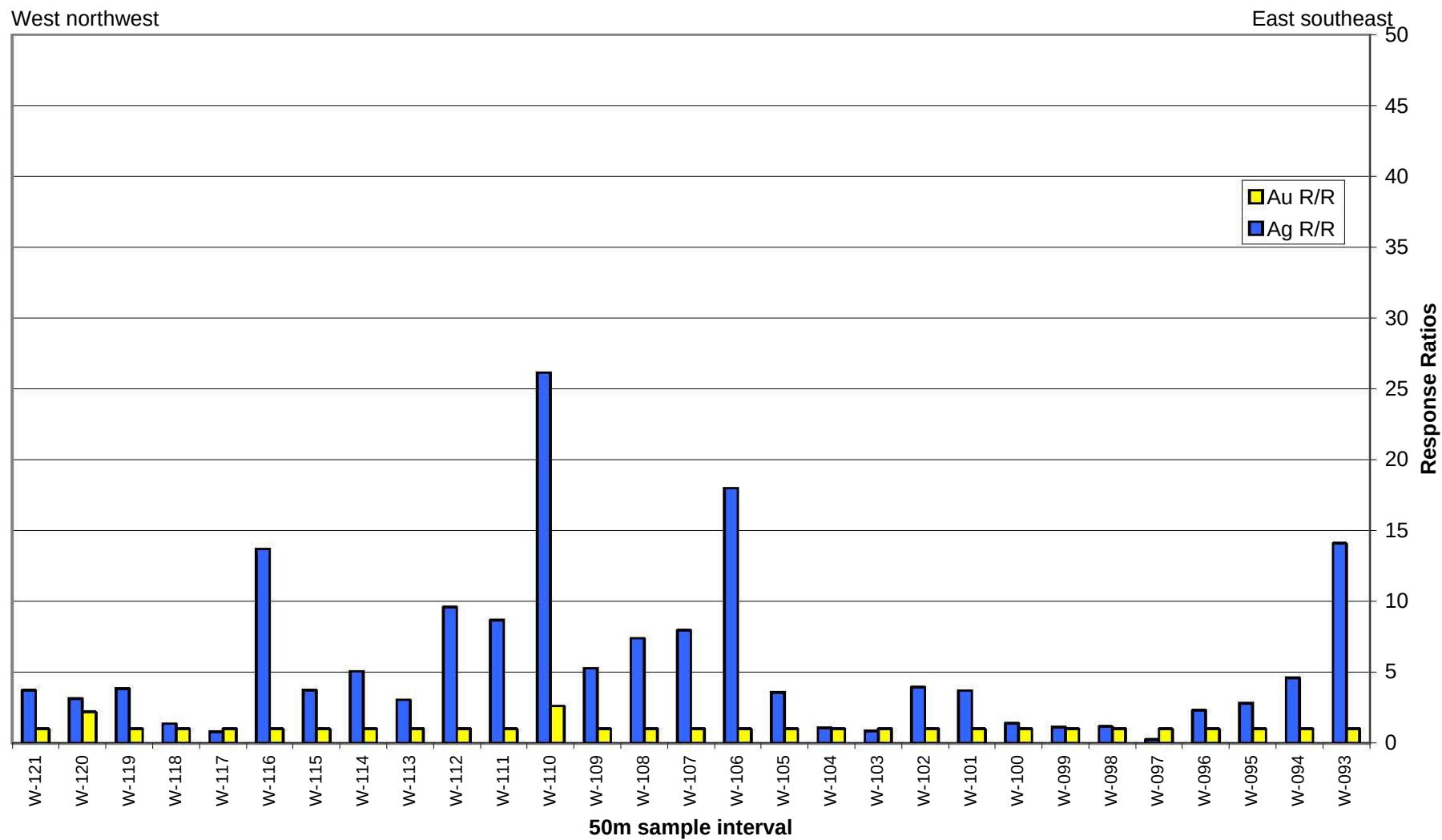


MMI TRAVERSE 57 (-80#)

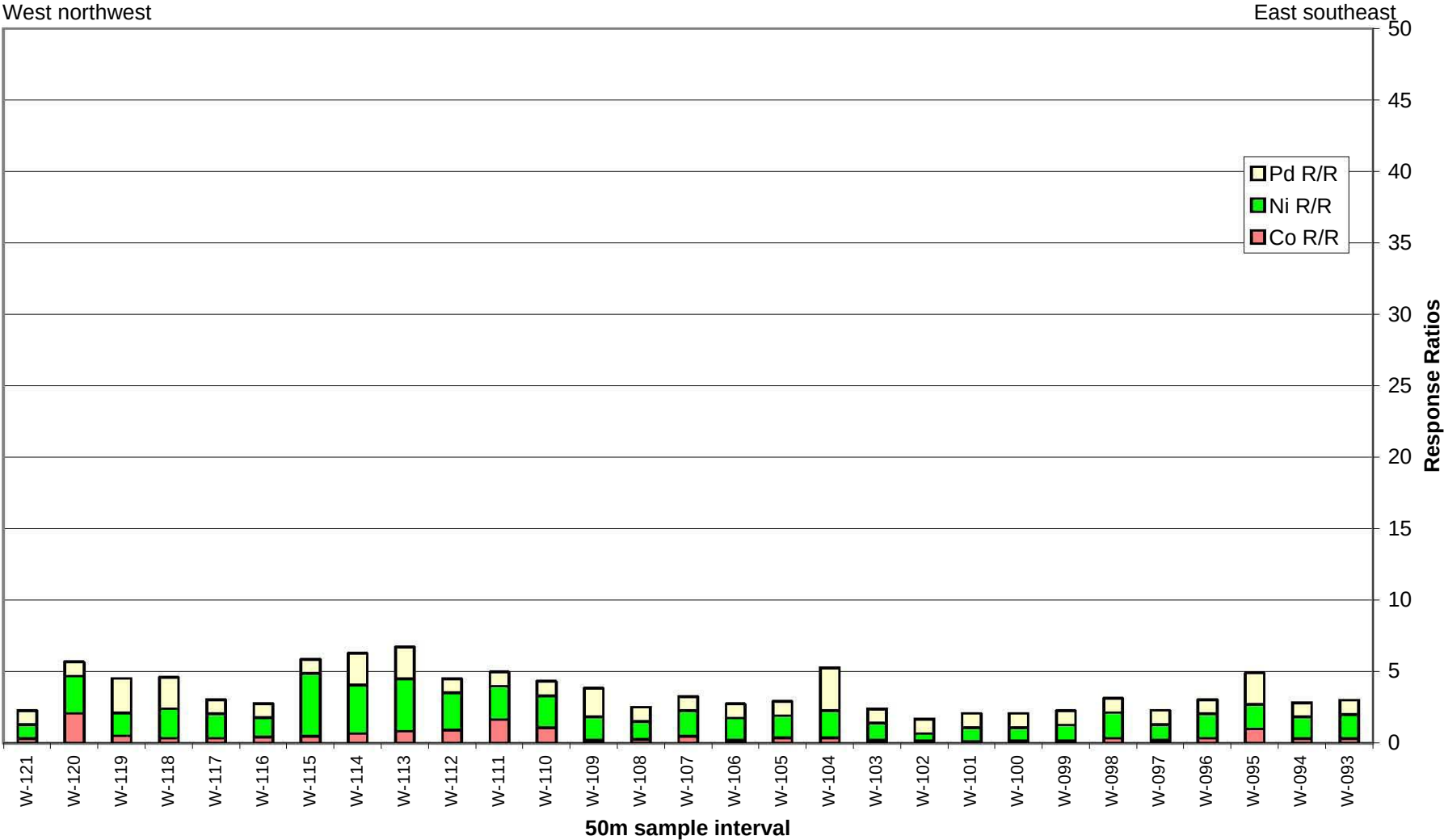


Tr 57(-80)

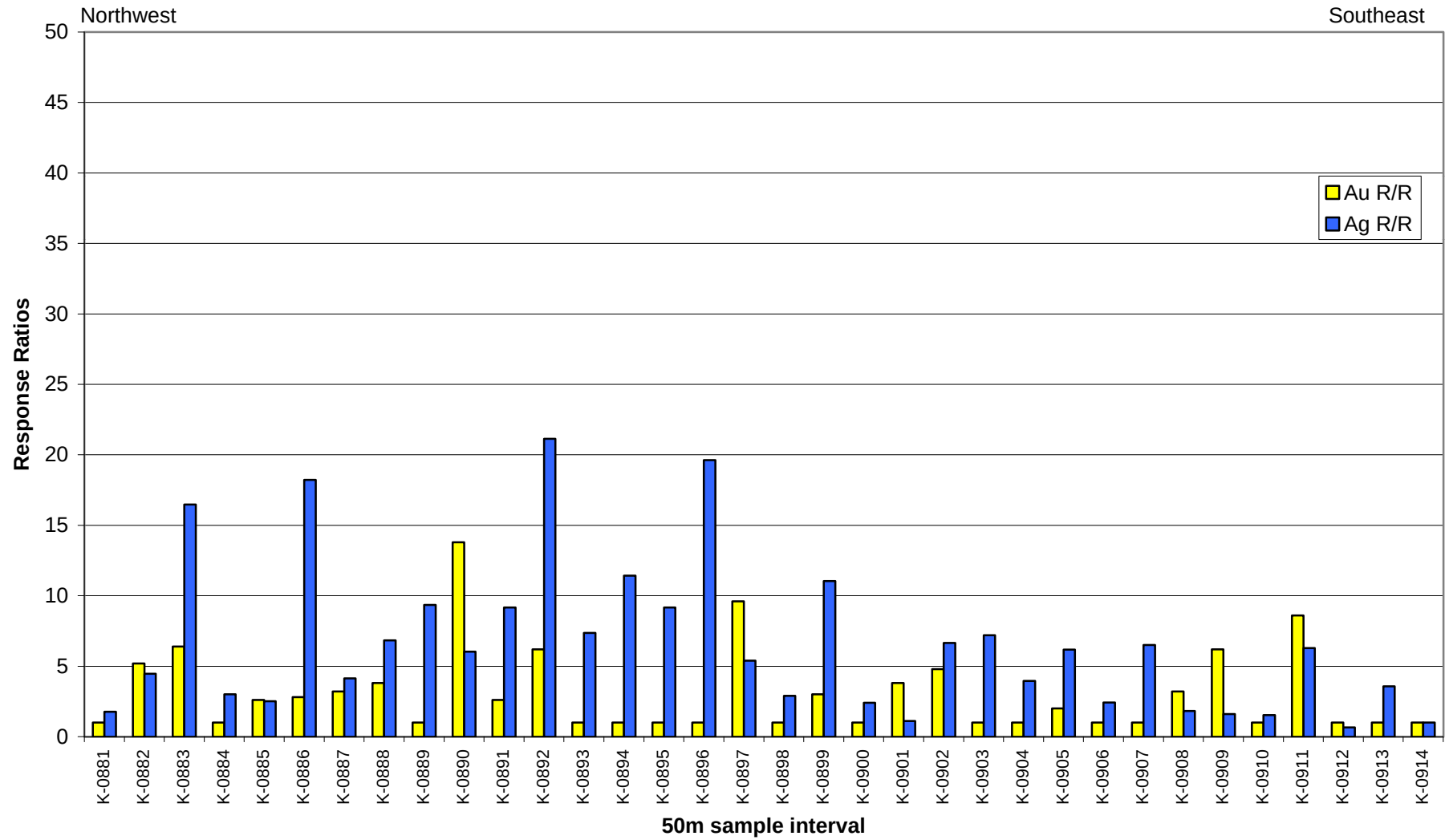
MMI TRAVERSE 58



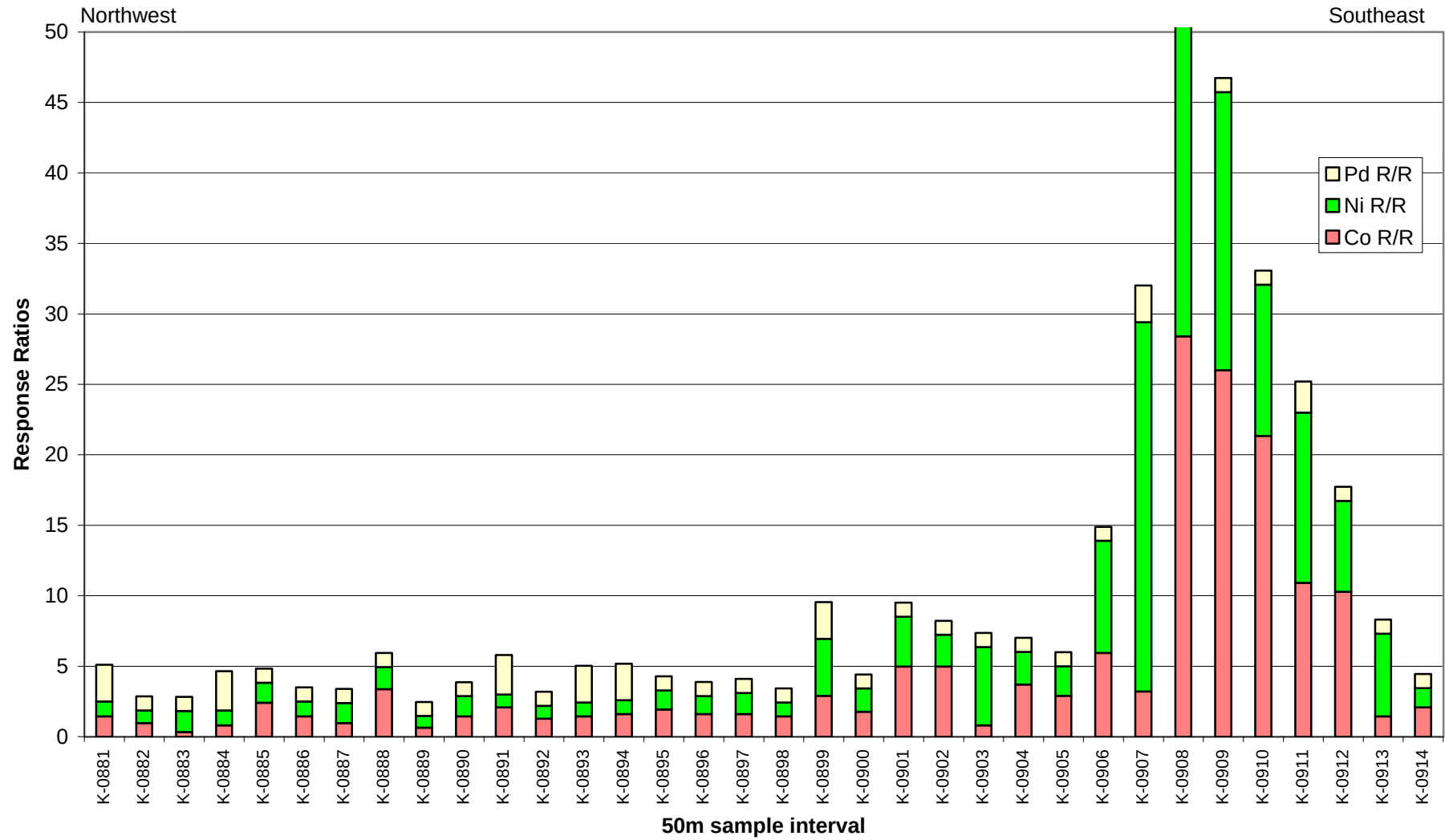
MMI TRAVERSE 58

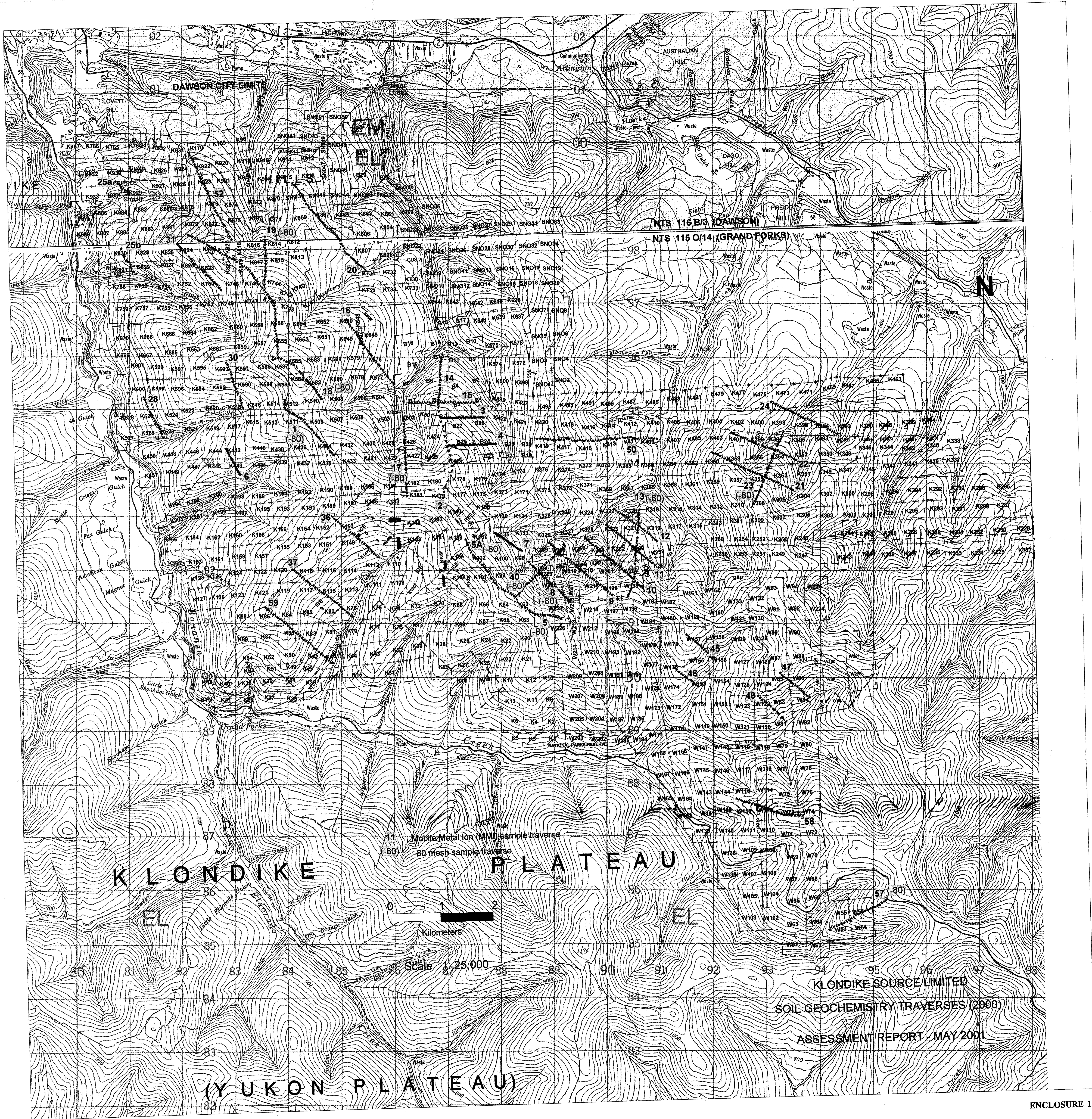


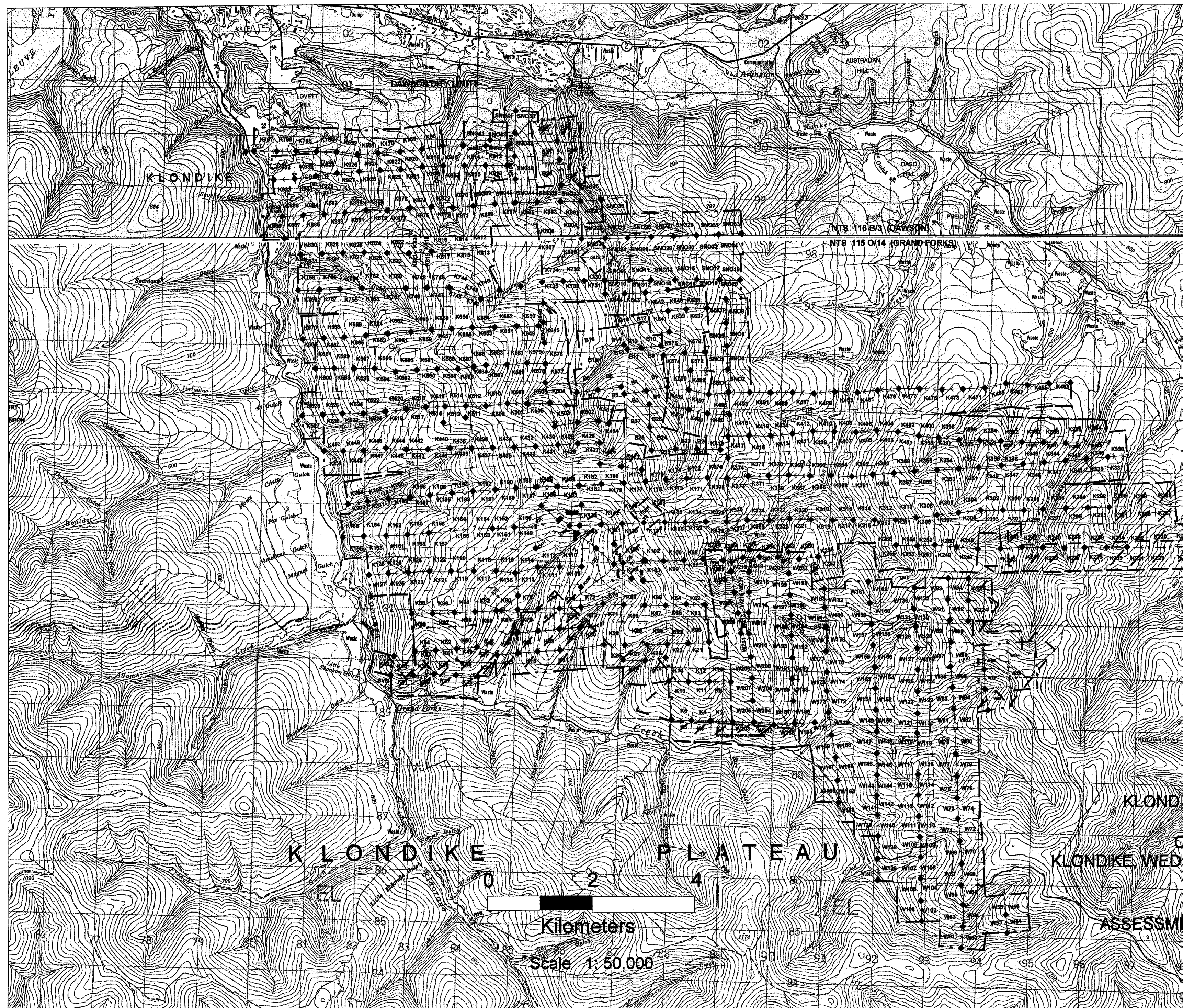
MMI TRAVERSE 59



MMI TRAVERSE 59






KLONDIKE SOURCE LIMITED

CLAIMS PLAN

KLONDIKE WEDGE, BEAR, SNO, ICE BLOCKS

ASSESSMENT REPORT - MAY 2001

ENCLOSURE 2