YEIP
05-061
2005

Teraktu Creek Project
Final YMIP Report

YMIP Project 05-061
Geochemical Report

Work carried out August 14, 2005 - September 10, 2005

NTS 105 E 09

Latitude: 61° 31' N to 61° 41' N
Longitude: 134° 07' W to 134° 15' W

Submitted to:
Yukon Mining Incentives Programme
Focused Regional Module

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Table of Contents

Appendices

Introduction

This report describes work completed during the 2005 field season in the Teraktu Creek area following up on Au-As-Sb-W Regional Geochemical Survey stream sediment geochemical anomalies that appeared to be associated with the D'Abbadie Fault Zone. The prospecting target, based on its Au, As +- Sb and W geochemical signature, is gold mineralization, probably of the orogenic or distal intrusion related vein type.

The work was supported by a contribution from the Yukon Mining Incentives Programme, Focused Regional Module.

Location and Access

The project area is located 120 km. northeast of Whitehorse on 1:50,000 map sheet 105E09 (Teraktu Creek map sheet) in the Lake Laberge 1:250,000 map area (figure 1). The project area is within the Whitehorse Mining District. Latitude of the project area is between 61° 31' N and 61° 41' N, longitude is between 134° 07' W and 134° 15' W.

Access to the area is by helicopter from either Whitehorse or Faro (80 km. northeast) depending on availability of machines and on weather. Access by helicopter from Carmacks (120 km. west) or Ross River (90 km. east) would also practical but neither of these options was utilized during 2005. No other realistic alternatives to access the area exist although the southern part of the area could potentially be accessed by boat along the Big Salmon River.

Previous Work

There is no public record of previous work in the area although parts of the area have been staked previously in 1978 and 1999. Old (5 years?) flagging presumably marking stream sediment sampling sites was noted along the north flowing creek in the eastern part of the map area.

Placer claims/ leases have been staked along both Teraktu Creek and d'Abbadie Creek and some mechanical exploration was done along the latter creek in 1981 (LeBarge, 2004). An overgrown trail was noted along d'Abbadie Creek corresponding to that work area.

Geologic mapping in the area has been carried out several times mostly persuing academic interests related to the unusual tectonic setting of the area. The most detailed and most recent mapping is by de Keijzer as part of a PhD research programme completed in 2000 (de Keijzer, 2000).

Figure 1 Location of the Teraktu Project Area.

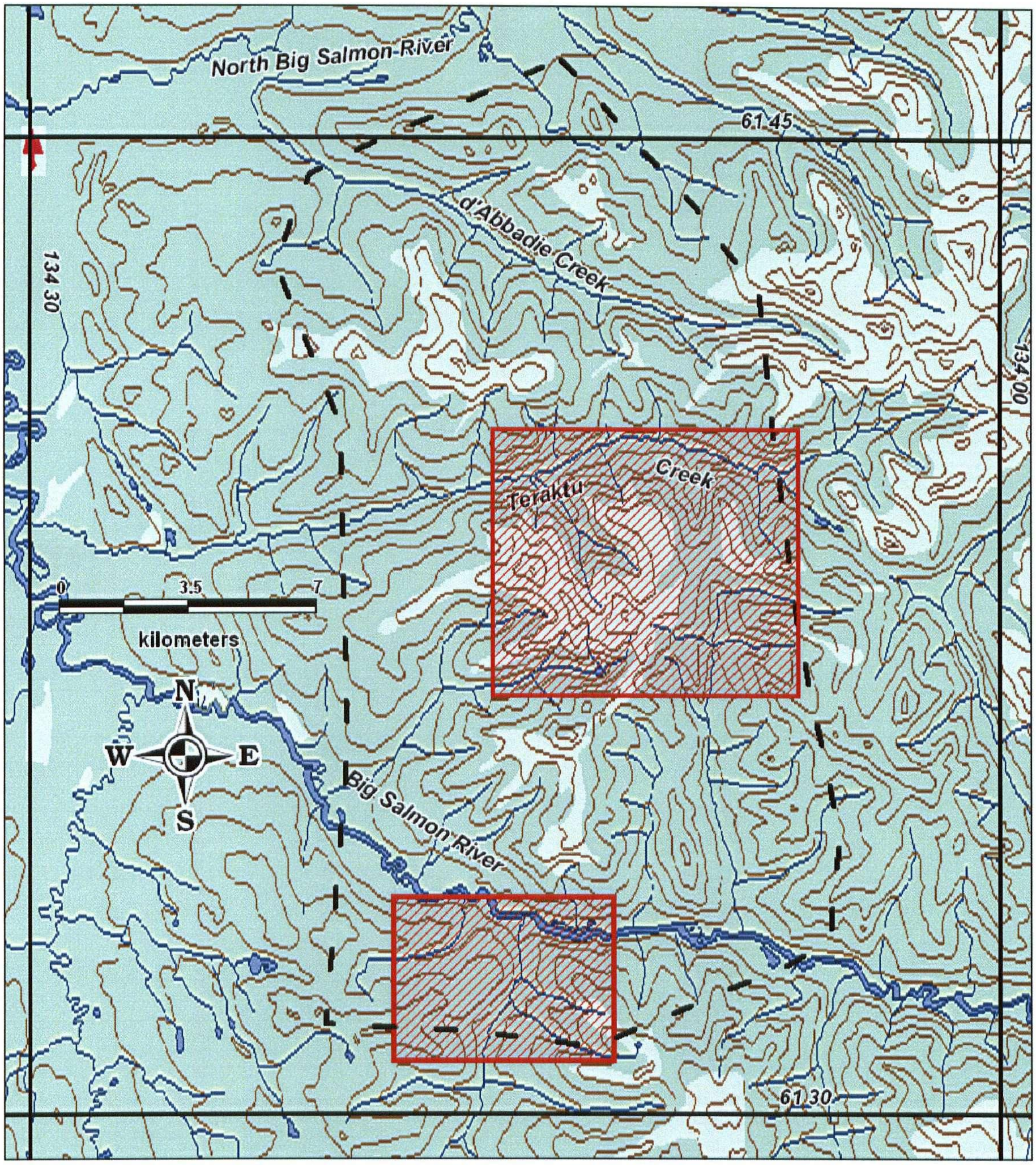


Figure 2 Map of NTS 105E09 showing the Teraktu project area and major geographic features referred to in the report. The red rectangles are the areas shown in figures 14 through 31. The black dashed outline is the original intended project area.

Regional Setting

At the inception of the project the target area was considered to be located near the boundary between the para-autochthonous miogeoclinal North American meta-sedimentary strata of the Cassiar Terrane and the allocthonous, possibly exotic, composite, arc and back-arc, Yukon-Tanana Terrane. In the project area a north striking sub-vertical fault zone, the d'Abbadie fault zone (DFZ), separates these two domains. The western portion of the Cassiar Terrane has since been reassigned to a component of the Yukon-Tanana Terrane (Colpron, 2006a,b). This change does not affect the concept of the project significantly as the d'Abbadie fault zone remains (figure 3) and it is clearly a significant fault. The DFZ consists of several strands over a width of 1 km. or more. It is associated with several generations of ductile and brittle fabric elements suggesting dextral slip (Colpron, 2006b). Figure 4 shows the trace of the DFZ superimposed on the regional bouguer gravity field. The DFZ is coincident with an abrupt change in the gravity field which suggests the fault is a structure of crustal significance.

Target identification was predicated on a cluster of moderate to low intensity coincident Au, As, Sb and W stream sediment anomalies (see figure 4, showing Au) and occurrence of placer gold in D'Abbadie Creek downstream from the geochemical response (LeBarge, 2003). The geochemical suite and association with a significant crustal break suggested potential for gold occurrences that might fall into the broad classes of orogenic gold or distal intrusion related gold. The geochemical signature of the area is also notable for moderate to weak response in other elements such as Zn, Cu and Pb.

Geology of the Project Area

Because of the unusual combination of relatively good exposure, rare rock types and important contact relationships, a fair amount of thesis mapping has been done in the area. None of this work has been directed at understanding the economic potential of the area, but has provided useful insights into the structure of the area despite not reaching consensus on a number of issues (Oliver and Hansen, 2001 and de Keijzer, Williams and Brown, 2001).

The most recent work (de Keijzer, Williams and Brown, 1999 and de Keijzer, 2000) has made significant revisions to the structure of the area and, in particular, the interpretation of the d'Abbadie fault zone. They have reinterpreted the DFZ to be late in the history of the area, steeply dipping, but apparently a normal fault with west side down rather than an upturned thrust fault described by previous workers.

No geological mapping was done during the 2005 field work but geological observations were made of the few outcrops encountered along valley bottoms and of float. Figure 5 and 6 provide a geological framework for the area and are excerpts from plate I of de Keijzer thesis (de Keijzer, 2000). GPS tracks of the limited traverses by the author are shown on figure 5. The author's observations are in general accord with the mapping of de Keijzer, particularly the small-scale structures described and overall distribution of lithologic units.

The most notable unit encountered was a dark grey to black generally siliceous carbonaceous phyllite (unit GS of figure 5). Interlayered with the carbonaceous phyllite are dark green chloritic phyllite to well foliated amphibolite and medium grey limestone (to fine grained marble) and sandy limestone. The carbonaceous phyllite contains blocky layers few 10's of cm. thick of dark grey to black fine grained quartzite with a few percent to 15 percent pyrite and pyrrhotite (lithology SCP in Appendix IV). This sulphide bearing rock is associated with biotite bearing amphibolite that contains blocky, purplish brown, possibly calc-silicate mineral bearing layers with comparable sulphide content (lithology CS in Appendix IV). The foliated amphibolite to chloritic phyllite also contains minor sulphides locally (lithology CP in Appendix IV).

The author saw very few outcrops east of and within the d'Abbadie fault zone but cursory examination of float and distant outcrops left the impression of a different sequence than west of the DFZ. The sequence in the east appeared to be more sedimentary in nature and more calcareous while the western sequence appeared more metamorphic in nature and appeared to contain more mafic meta-volcanic component.

There are fairly common occurrences of vein quartz float in the area. Much of the quartz is white and free of sulphides (VQ in Appendix IV) but local trace pyrite was noted. An interesting looking variant was a grey and white mottled quartz (VQm in Appendix IV) but the geochemical analyses showed this type of quartz was less interesting than it appeared. Wherever it was possible to determine the source of the quartz it proved to come from lenticular, foliation parallel, veins a few cm. to a metre thick. Locally the quartz veins are isoclinally folded with the foliation parallel to the axial planes of the folds.

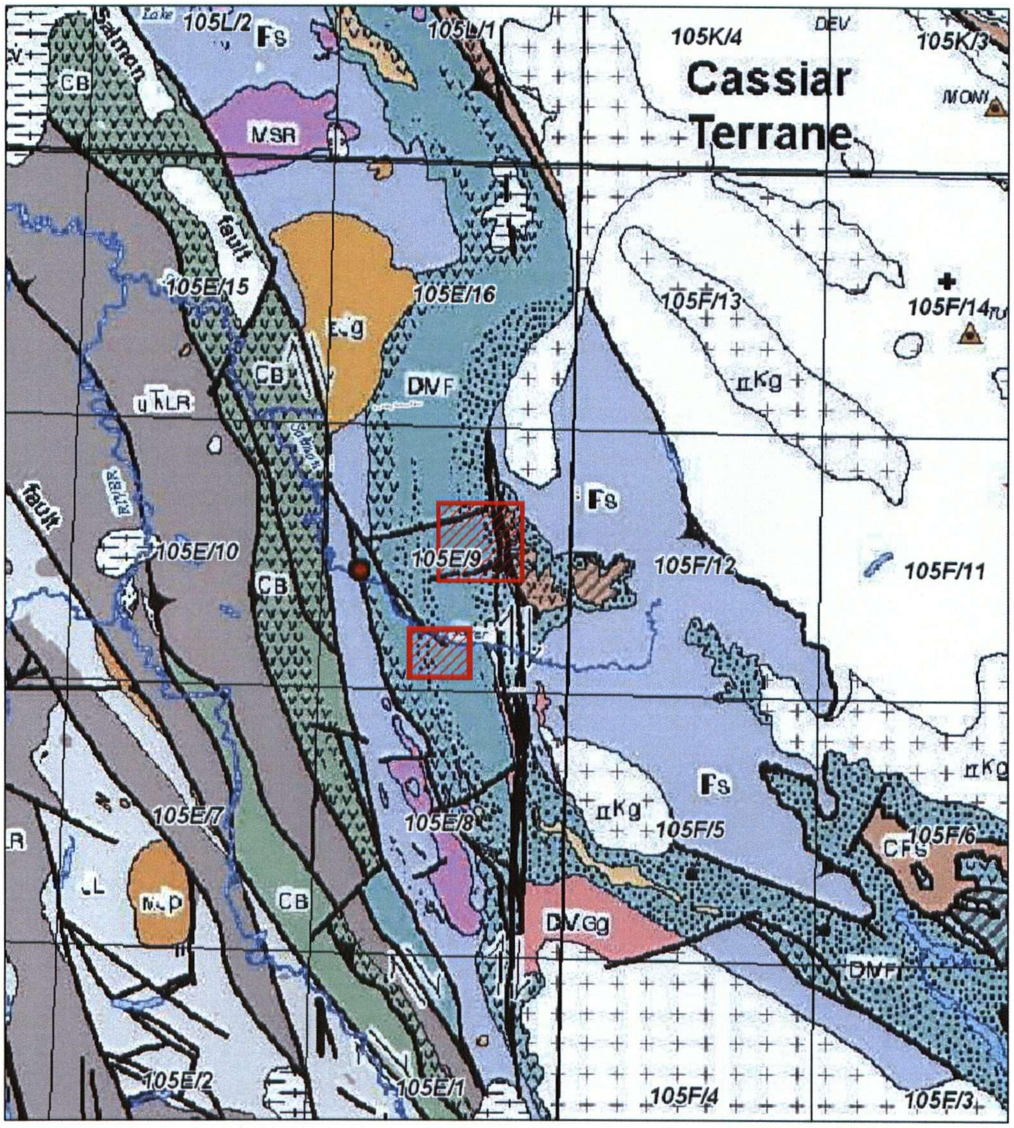


Figure 3 Regional geologic setting of the Teraktu Creek Project area from CopIron, 2006a. The areas investigated in 2005 are outlined in red.

Colour	Symbol	Unit Name	Age	Lithology
white	none	Cassiar Terrane	Prot - Triassic	Schist, marble, limestone, dolomite, quartzite, shale, felsic and mafic meta-volcanics
Lt. blue grey	PS	Snowcap Assemblage	u. Dev. and / or older	Schist, quartzite, psammite & marble, amphibolite
Lt. blue green	DMF	Finlayson Assemblage	u. Dev. & Miss.	Siliceous phyllite, mafic & felsic meta-volcanics, carbonaceous phyllite
pink	DMGg	Grass Lakes suite	u. Dev. & Miss.	Granitic orthogneiss
fuchsia	MSR	Simpson Range Suite	Miss.	Granodiorite to tonalite orthogneiss
Lt. brown	CPS	Slide Mtn. Assmblage	Miss - Permian	Mafic and ultramafic rocks, chert, shale , limestone, chert conglomerate
green	CB	Boswell Assemblage	Miss – Penn.	Mafic volc. limestone
Dark grey	uTrLR	Lewes River Group	u. Triassic	Mafic volcanics, limestone
Light grey	JL	Laberge Group	Jurassic	Greywacke, shale, conglomerate
Orange	EJg	Aishihik & Long Lake Suites	Early Jurassic	Granodiorite to syenite
Orange	MJp	Teslin Crossing Suite	Middle Jurrasic	Granite to syenite
White / crosses	mKg	Cassiar Suite	e. – mid. Cretaceous	Granodiorite, granite
White / crossed dashes	uKCv	Carmacks Group	u. Cretaceous	Basalt, agglomerate

The d'Abbadie fault zone trends north through the center of the map. The red dot west of the area investigated is an eclogite locality. The part of unit DMF that is stippled is carbonaceous phyllite; the "v" symbol denotes meta-volcanic rocks.

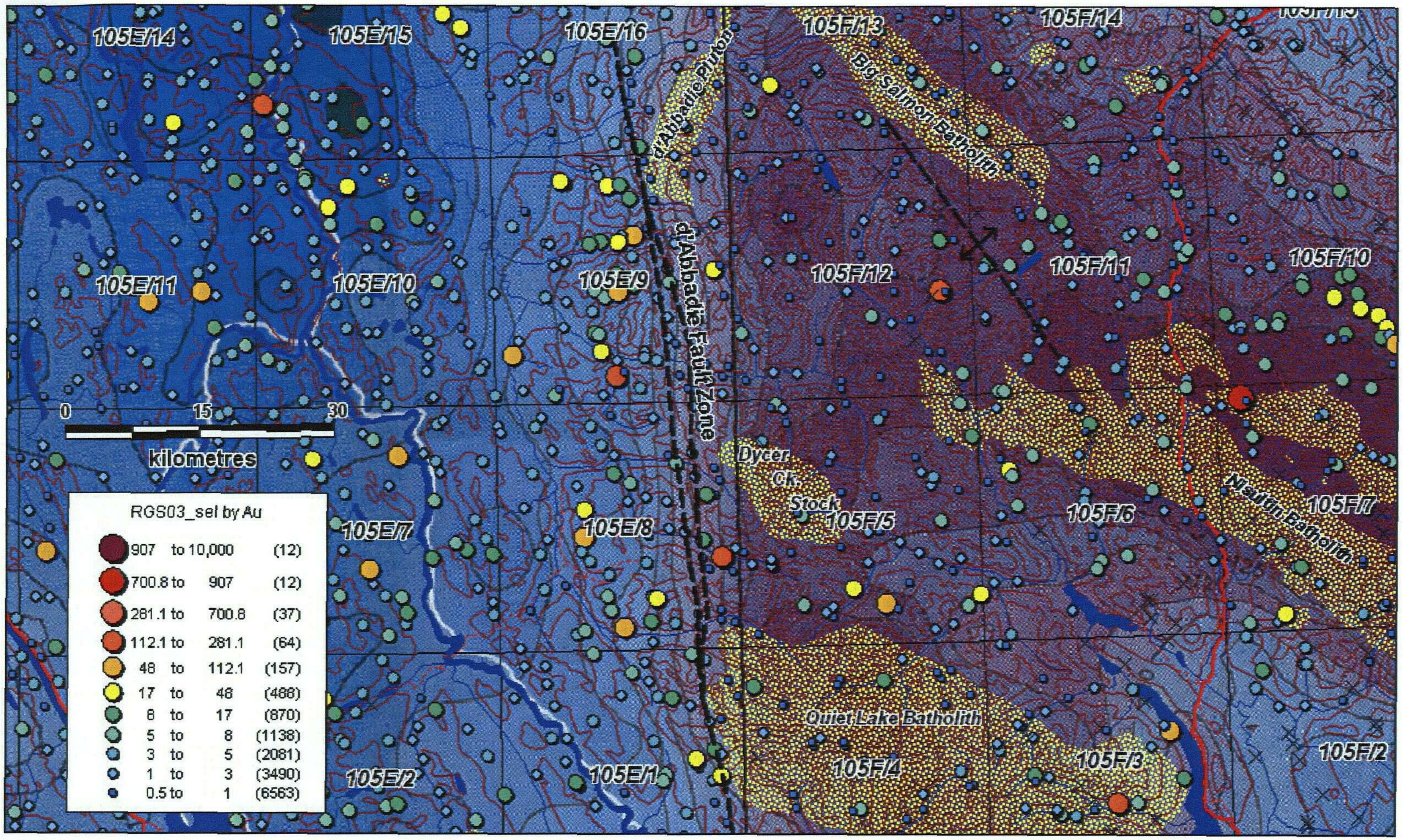


Figure 4 Regional geophysical and geochemical setting of the Teraktu Creek Project area. Background is the Bouguer gravity anomaly map (Geol. Surv. Canada 1992, 1993) for the area with purple being relatively low and green high anomalies. The mid Cretaceous granitic rocks of the Pelly Mtns. Are hachured in yellow. The dots thematically show RGS stream sediment Au values (Héon, 2003). The d'Abbadie fault zone trends north and marks the west edge of the Pelly Mtn. metamorphic and granitic complex and its associated gravity low; it appears to be a strike slip fault. Au-As-Sb-W anomalies associated with this fault zone were the target of this project.

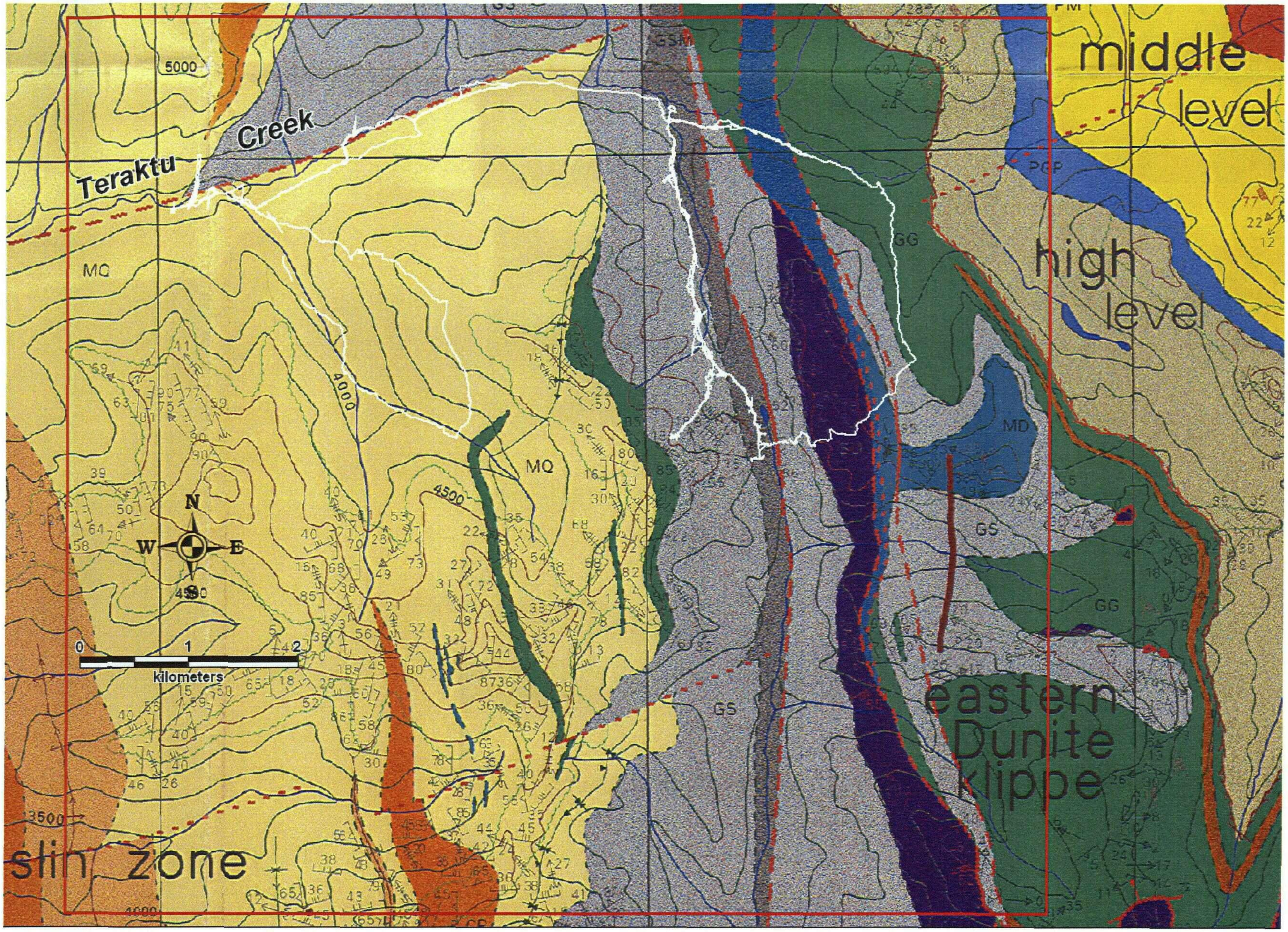


Figure 5 Geological map of the northern project area from Plate I of de Keijzer (2000). The red outline is the same as shown on figure 2. The white lines are GPS tracks of traverses by the author, not shown are traverses of D. Brownlee to the south. Map legend is provided in figure 6. The north trending red line east of DFZ is presumed to be a felsic / intermediate dyke although the symbol differs from that shown in figure 6.

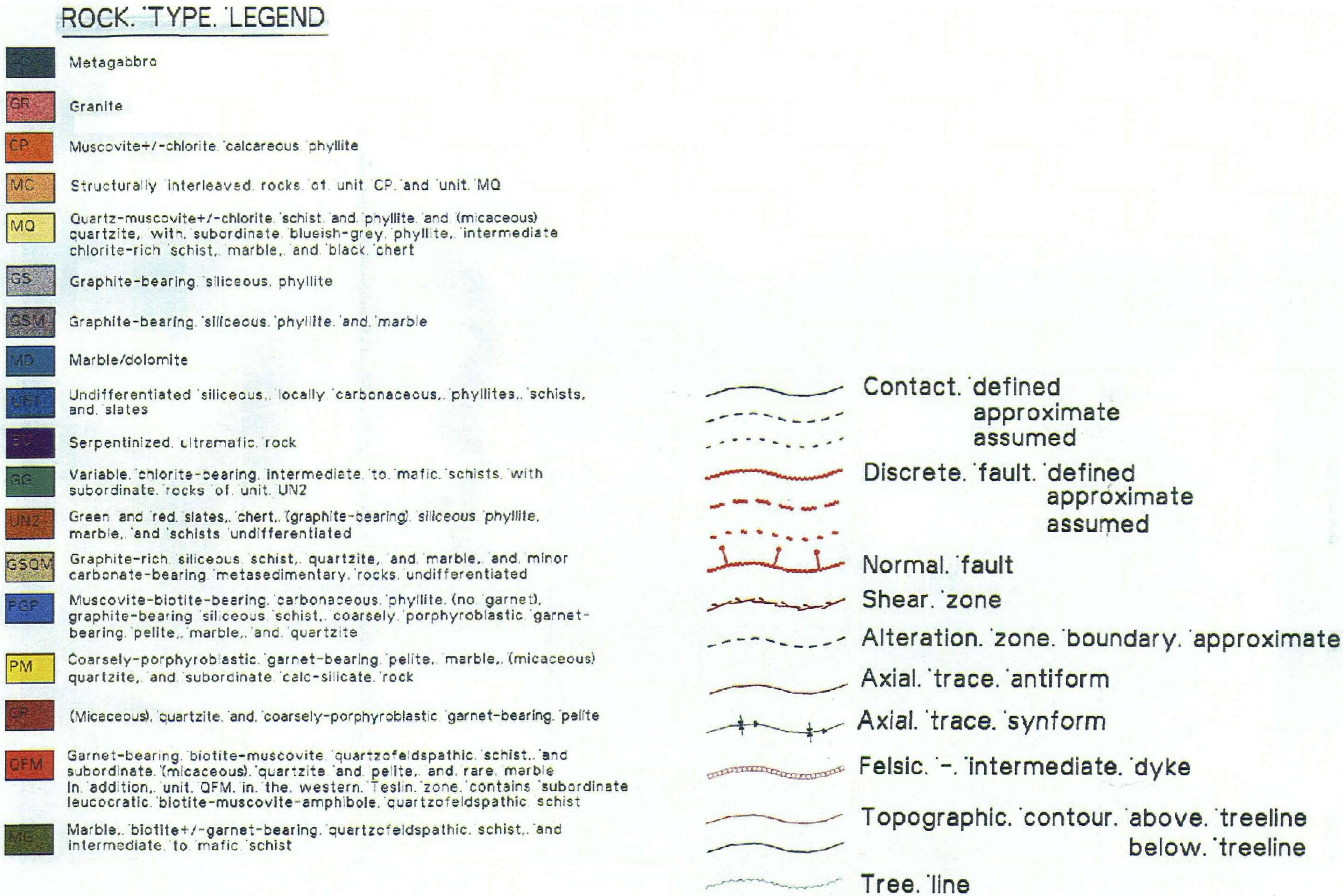


Figure 6 Legend for geological map shown in figure 5. Both map and legend are reproduced from Plate 1 of de Keijzer (2000). Not all units on the legend occur within the area shown on figure 5.

Work Programme

The original intention of the project was to cover a fairly large area by detailed sediment sampling traverses from several camps in the valley bottoms. Immediately upon arriving in the area it was clear that it would not be possible to set up camp in most of the desired locations without considerable preparatory work and helicopter standby. On that first day an attempt was made to chopper hop several of the more remote sample sites but no reasonable locations were found for a safe toe-in or touch-down and chopper hopping was abandoned.

The initial camp was set-up on the far eastern limit of the project area as there was no other practical location. As many traverses as possible were completed from that camp between Aug. 14th and 21st. This location provided good coverage of the d'Abbadie fault zone but this was not a primary objective of the field programme and from that location we were not able to cover the main area of interest to the west. The two camp locations are shown on figures 14 through 31.

The larger flowing tributaries were traversed and sediment samples taken with a target of 500 m. intervals. Some smaller tributaries were accessed by side hill traverse for single samples. Any available tributary and larger seepage areas were sampled. In a few areas there was no stream sediment but a sample was taken of soil developed on transported gully fill. Rock samples were collected of interesting float or outcrops. No attempt was made to gather systematic geologic data although scattered observations were made. Generally the sampling traverses did not lend themselves to observing outcrops although there are excellent, nearly continuous exposures of the carbonaceous phyllite unit in some east flowing tributaries to the north flowing creek following the d'Abbadie fault zone on the east edge of the project area.

The second camp was intended to be along Teraktu Creek but had to be placed on a dry terrace overlooking the creek as the forest cover in the valley bottom was too dense and the trees too large to cut in the time available. To prepare that site for helicopter access a full day was required to traverse there from the first camp and cut a chopper pad. Water had to be flown to the site as well. This approach to camp logistics is very inefficient and it is clear that a lighter fly camp approach in the alpine country is the only practical way to cover the area without a large crew and dedicated helicopter. These considerations and the lack of any access but helicopter make this an expensive place to work.

Methods and Procedure

Silt Sample Collection

Samples of stream sediment were collected from the active stream bed by hand. To maximize silt sized material coarse sediment was picked from the sample by hand but no sieving was done. Approximately 250 gm of material were placed in a labeled Kraft paper bag. In a few cases a small folding stainless steel shovel was used to assist in digging into the streambed but generally this was not necessary. In some cases the stream was nearly dry and the sediment collected was not in the active bed but was from a location that obviously had been active that season. A several sites there was no accessible active sediment and stream bank samples were collected of stabilized sediment. Several samples were from seepages that had not collected together to form a well defined stream; commonly these sites were along game trails and the material collected is transitional from wet transported soil to stream sediment.

Notes were made of sample site conditions including: stream width, depth, anecdotal flow velocity and temperature, water and sediment colour, sediment grain size, presence of staining and/or precipitates and any sources of contamination. Sample site locations were recorded by GPS and are considered accurate to within 5 to 20 metres. All coordinates quoted in this report are expressed as UTM coordinates in Zone 8 and are referenced to NAD83. All sample sites were flagged in the field.

Samples were air-dried in camp and more completely air dried in Whitehorse then shipped via Greyhound bus to the Vancouver laboratory of Acme Analytical Laboratories Limited.

Analytical Methods

Samples were analyzed at Acme Analytical Laboratories Limited in Vancouver. Samples were analyzed using Acme's Group 1DX methodology with SS80 sample preparation for silts and soils and R150 for rocks.

Both silt and soil samples were prepared by oven drying at 60° C, disaggregating and sieving to –80 mesh.

For silt samples a 30 gm. spilt of the –80 mesh fraction of the sample was digested in 180 ml. of mixed HCl and HNO_3 (aqua regia) at 95° for 1 hour. The leachate was diluted to 600 ml. and analyzed by Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) for 37 elements. Limits of detection are shown on Table 3.

For the 3 soil samples a 30 gm. spilt of the –80 mesh fraction of the sample was digested in 180 ml. of mixed HCl and HNO_3 at 95° for 1 hour. The leachate was diluted to 300 ml. and analyzed by Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) for 37 elements.

Rock samples were crushed to 70% passing 10 mesh, a 250 gm. split was pulverized to 95% passing 150 mesh an a 30 gm. Split digested and analyzed as described above.

Aqua Regia extraction is a strong acid digestion capable of decomposing carbonates and sulphides, most sulphates but only some oxides and silicates. The digestion is nearly total for most elements of interest but only partial for some elements reported such as Al, B, Ba, Ca, Cr, Fe, Ga, K, Mg, Mn, P, Sr, Th, Ti, U, V, W depending on the mineral species present. Hg and Tl may suffer some volatilization during extraction. Aqua Regia is not a total extraction for gold but is reported to average about 80% if encapsulation is not a problem.

QA/QC

For analytical QA/QC, Acme Analytical runs one internal standard (DS6) and blank (G1) with each set of approximately 33 samples. One randomly selected sample is also rerun in each batch of approximately 33 samples

A large sample of fine sand and silt from a bar beside the Rose River was homogenized and used as a blind check sample. A sample of this material was inserted into the sample sequence after every 15 to 20 samples.

As a check on sampling reproducibility replicate samples were collected at two sites. One site was on Teraktu Creek where there was an abundance of silt and good sampling sites; the other was a more typical smaller tributary creek with more challenging sampling due to sparse silt and limited potential sampling sites.

Geochemical Results

Tabulated Silt and soil geochemical results are provided in Appendix III, rock samples in Appendix IV. Symbolic maps of sampling results are provided in figures 14 through 35.

Sampling and Analytical Reliability

Analytical reproducibility

The results of replicate analyses are shown in Appendix V. The results show good reproducibility for all elements in every case where the sample is a laboratory introduced standard or blank or a rerun unknown sample. The codes identifying the replicates in the type column in Appendix V are "AB" = analytical blank, "AS" = analytical standard, "redo" = repeat analysis of unknown sample.

The results for the blind replicate ("RR" in the type column of Appendix V) were not as good as the laboratory-introduced checks; however, this may be more a reflection on the sample used than the laboratory. The same material was used for a blind check in an earlier survey and produced dubious results that were thought likely due to the lack of fines and poor homogeneity. The current results show the same trend of 3 satisfactorily reproducible samples and one erratic result for selected elements. These results strongly suggest that earlier interpretation is correct and the material is better suited for use in a cat box.

Sampling reproducibility

The results of replicate sampling show only limited reproducibility for many elements, particularly the trace elements such as Cu, Pb, Zn, Ba, Ag, Au. Other elements showed good reproducibility. These results show that variations in the sub-anomalous population should be treated with caution but the variation detected is not thought to be sufficient to interfere with an anomalous result.

Statistical Analysis

Only 85 silt samples were collected thus any statistical analysis of the results must be somewhat tenuous at best. Key summary statistical parameters were calculated for the silt sample population and are presented in Table 1. The percentile groupings calculated were used to set up colour ranges for symbolic mapping of the sample results using the colour coding shown on Table 3.

Table 2 provides a correlation matrix for the silt samples. There are some strong correlations between some elements, most dramatically between Al and Ga at a 0.99 coefficient. Elements that appear to be correlated include Ag, Mo, Se, Cd, Al, Co, Fe, Ga, K, V, Tl and Sc. The reason for this correlation of diverse elements is clearer on examination of the geographic distribution of the samples provided below. Pb and Zn are strongly correlated but Pb and Ag show only weak correlation. Perhaps most interesting Au is not correlated with any of its usual pathfinder elements such as As, Sb, W or Bi. This is perhaps surprising given the project was intended to follow-up on a gold pathfinder suite response. This is likely due to the fact that the main target is to the west of the area sampled to date.

Figures 7 through 9 and 11 through13 show percent frequency histograms for elements grouped by various typical geochemical associations. Most populations appear to be log normal as is typical for geological populations and several show strong indications of bimodal populations. Vanadium appears to show a particularly good bimodal population. Figure 10 attempts to test the bimodal log normal population by plotting the log of the geochemical values against the probability function of the histogram class frequency (expressed as standard deviations off the mean). This plot shows two relatively straight segments with a sharp break in population near 90 ppm. As discussed below this break has geological significance.

No statistical analysis was carried out for the rock sample geochemical results due to the small number of samples and obvious mixture of dramatically different lithologies.

Table 1
Summary Statistics for Silt Sampling results

	Ag_ppb	As_ppm	Au_ppb	Ba_ppm	Bi_ppm	B_ppm	Cd_ppm	Al_pct	Co_ppm	Cr_ppm	Ca_pct	Cu_ppm	Fe_pct	Ga_ppm	Hg_ppb	La_ppm	K_pct	Mg_pct	Mn_ppm
mean	173	8.8	26.9	197.7	0.33	1.3	0.99	1.53	17.2	75.4	0.95	52.30	2.86	4.8	23.6	13.8	0.18	1.37	610
std dev	103	4.9	119.7	92.8	0.28	0.9	0.75	0.65	6.0	44.9	0.84	30.09	0.82	2.1	20.8	7.5	0.13	0.58	330
Maximum	545	30.9	774.2	585.6	2.01	6.0	3.53	3.32	30.9	245.4	5.99	220.61	4.52	10.5	98.0	69.4	0.59	3.18	2399
99.9th	540	30.2	773.2	576.7	1.95	5.8	3.48	3.29	30.7	244.6	5.83	211.77	4.51	10.4	97.8	65.6	0.59	3.16	2322
99.8th	535	29.6	772.2	567.7	1.89	5.7	3.44	3.26	30.5	243.8	5.67	202.92	4.51	10.4	97.5	61.9	0.58	3.14	2246
99.5th	520	27.6	769.1	540.9	1.71	5.2	3.30	3.16	29.9	241.5	5.19	176.39	4.49	10.2	96.8	50.6	0.57	3.09	2016
99th	495	24.3	764.0	496.2	1.42	4.4	3.07	3.00	28.8	237.6	4.38	132.18	4.46	9.9	95.6	31.7	0.55	3.00	1633
98th	443	20.6	360.5	404.4	1.21	3.4	2.93	2.90	27.3	196.5	3.87	101.80	4.37	9.2	90.2	22.3	0.48	2.69	1428
95th	349	17.5	62.9	322.4	0.78	3.0	2.85	2.59	26.4	149.8	1.89	85.83	4.15	8.0	73.0	20.8	0.41	2.41	1113
90th	306	15.2	17.8	289.4	0.54	2.0	1.99	2.43	24.7	123.8	1.75	84.92	3.83	7.6	46.0	19.7	0.38	2.00	866
85th	298	13.6	12.7	273.6	0.47	2.0	1.73	2.26	22.7	114.1	1.30	77.43	3.80	7.0	36.0	18.0	0.36	1.92	807
75th	232	11.0	7.1	248.2	0.39	1.0	1.26	2.06	21.8	97.3	0.95	67.02	3.51	6.5	27.0	15.3	0.27	1.70	727
median	144	7.2	3.0	202.1	0.23	1.0	0.79	1.45	17.6	69.0	0.72	53.13	2.86	4.5	16.0	13.2	0.13	1.33	533
25th	98	5.4	1.7	125.8	0.18	1.0	0.43	0.98	12.5	47.1	0.57	34.21	2.25	3.0	11.0	9.9	0.08	0.93	398
Minimum	39	2.0	1.0	56.5	0.10	0.5	0.16	0.54	6.1	14.4	0.35	8.21	1.17	1.7	2.5	3.3	0.02	0.47	183
LLOD	2	0.1	0.2	0.5	0.02	1.0	0.01	0.01	0.1	0.5	0.01	0.01	0.01	0.1	5.0	0.5	0.01	0.01	1
Number	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81

	Mo_ppm	Na_pct	Ni_ppm	P_pct	Pb_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ti_pct	Te_ppm	Tl_ppm	Th_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm
mean	2.07	0.018	75.9	0.095	15.10	0.021	0.54	3.9	1.08	33.5	0.066	0.04	0.18	3.3	1.6	63	0.47	147.53
std dev	1.86	0.014	64.7	0.024	15.26	0.017	0.38	1.8	0.84	15.5	0.028	0.02	0.13	3.5	2.1	34	0.65	148.71
Maximum	9.46	0.071	494.7	0.200	93.08	0.070	2.12	8.9	4.00	111.9	0.124	0.11	0.60	31.6	17.2	185	3.70	1057.60
99.9th	9.27	0.070	476.6	0.198	93.01	0.070	2.11	8.8	4.00	109.5	0.124	0.11	0.60	29.6	16.5	182	3.61	1034.84
99.8th	9.09	0.069	458.5	0.196	92.95	0.070	2.10	8.7	4.00	107.1	0.123	0.11	0.60	27.6	15.8	179	3.52	1012.08
99.5th	8.53	0.066	404.2	0.189	92.74	0.070	2.08	8.5	4.00	99.9	0.122	0.11	0.60	21.7	13.7	171	3.26	943.80
99th	7.60	0.061	313.7	0.178	92.41	0.070	2.04	8.0	4.00	87.9	0.121	0.10	0.59	11.8	10.2	157	2.82	830.00
98th	7.04	0.058	228.5	0.158	73.09	0.064	1.98	7.7	3.70	75.5	0.118	0.09	0.55	6.6	7.2	137	2.54	648.18
95th	6.31	0.043	166.1	0.132	31.31	0.050	1.26	6.9	2.90	59.3	0.110	0.08	0.39	5.4	2.4	112	1.70	346.10
90th	4.55	0.033	118.6	0.127	26.72	0.040	0.90	6.2	2.10	52.6	0.107	0.06	0.34	4.7	2.1	105	1.10	222.60
85th	3.89	0.030	114.4	0.112	18.54	0.040	0.76	6.0	1.80	45.6	0.096	0.06	0.30	4.3	1.8	101	1.00	186.90
75th	2.69	0.025	89.3	0.102	16.24	0.030	0.55	5.3	1.40	38.1	0.088	0.05	0.24	3.8	1.5	93	0.50	157.10
median	1.30	0.013	65.0	0.090	10.83	0.020	0.44	3.5	0.80	29.6	0.065	0.03	0.13	2.9	1.1	54	0.20	111.20
25th	0.86	0.008	38.7	0.081	7.65	0.005	0.31	2.3	0.50	23.3	0.045	0.02	0.08	1.8	0.8	34	0.10	77.70
Minimum	0.43	0.005	16.9	0.052	2.68	0.005	0.17	1.5	0.05	14.8	0.013	0.01	0.02	0.9	0.3	22	0.05	38.80
LLOD	0.01	0.001	0.1	0.001	0.01	0.010	0.02	0.1	0.1	0.5	0.001	0.02	0.02	0.1	0.1	2	0.1	0.1
Number	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81

Table 2
Correlation Matrix for Silt Results

	Ag_ppb	As_ppm	Au_ppb	Ba_ppm	Bi_ppm	B_ppm	Cd_ppm	Al_pct	Co_ppm	Cr_ppm	Ca_pct	Cu_ppm	Fe_pct	Ga_ppm	Hg_ppb	La_ppm	K_pct	Mg_pct	Mn_ppm
Ag_ppb	1																		
As_ppm	0.31	1																	
Au_ppb	0.12	0.03	1																
Ba_ppm	0.54	0.28	-0.02	1															
Bi_ppm	0.24	0.13	0.43	0.29	1														
B_ppm	-0.06	0.12	-0.10	0.06	0.03	1													
Cd_ppm	0.75	0.28	-0.01	0.54	0.19	0.04	1												
Al_pct	0.70	0.11	-0.08	0.43	0.00	-0.07	0.65	1											
Co_ppm	0.39	0.21	0.00	0.45	0.16	0.34	0.50	0.69	1										
Cr_ppm	0.11	0.10	-0.08	0.26	0.07	0.55	0.30	0.39	0.82	1									
Ca_pct	-0.03	0.15	0.00	-0.07	0.01	0.17	-0.03	-0.27	-0.27	-0.24	1								
Cu_ppm	0.56	0.13	-0.06	0.51	0.17	0.14	0.41	0.47	0.50	0.34	-0.06	1							
Fe_pct	0.55	0.31	-0.01	0.53	0.15	0.08	0.63	0.83	0.86	0.53	-0.27	0.48	1						
Ga_ppm	0.69	0.08	-0.10	0.43	0.00	-0.10	0.65	0.99	0.65	0.35	-0.28	0.43	0.81	1					
Hg_ppb	0.36	0.28	0.31	0.25	0.29	0.24	0.05	-0.02	0.06	-0.02	0.20	0.52	0.05	-0.07	1				
La_ppm	0.07	0.09	-0.02	0.03	0.21	-0.21	0.06	-0.02	-0.25	-0.27	-0.01	-0.09	0.03	0.03	0.02	1			
K_pct	0.56	-0.02	-0.12	0.46	0.06	-0.11	0.62	0.80	0.54	0.27	-0.15	0.34	0.68	0.84	-0.19	0.04	1		
Mg_pct	0.32	0.13	-0.06	0.31	0.00	0.45	0.41	0.61	0.85	0.86	-0.01	0.40	0.69	0.58	0.07	-0.25	0.44	1	
Mn_ppm	0.23	0.25	0.27	0.24	0.15	0.09	0.25	0.30	0.40	0.11	-0.06	0.09	0.52	0.28	0.25	-0.11	0.09	0.25	1
Mo_ppm	0.70	0.14	-0.10	0.43	0.20	-0.08	0.76	0.68	0.47	0.21	-0.11	0.38	0.62	0.69	-0.17	0.05	0.67	0.31	0.14
Na_pct	0.49	-0.04	-0.15	0.43	0.12	0.06	0.62	0.58	0.35	0.21	-0.05	0.25	0.42	0.63	-0.24	0.05	0.79	0.24	-0.08
Ni_ppm	-0.02	0.06	-0.07	0.14	0.12	0.70	0.19	0.05	0.56	0.83	-0.06	0.21	0.25	0.02	0.04	-0.14	0.04	0.64	-0.01
P_pct	-0.09	-0.09	-0.04	0.03	0.16	-0.18	0.06	0.03	0.03	-0.10	-0.04	-0.12	0.20	0.11	-0.33	0.44	0.34	-0.07	-0.11
Pb_ppm	0.20	0.73	0.07	0.30	0.04	0.09	0.11	-0.08	-0.02	-0.10	0.11	0.08	0.09	-0.10	0.46	0.11	-0.23	-0.01	0.17
S_pct	0.21	-0.02	0.04	0.11	0.06	0.19	0.23	0.09	0.15	0.00	0.33	0.10	0.19	0.10	0.24	-0.01	0.23	0.16	0.26
Sb_ppm	0.30	0.46	0.04	0.33	0.35	0.24	0.28	-0.15	0.06	0.11	0.32	0.29	-0.01	-0.18	0.42	-0.05	-0.22	0.08	0.02
Sc_ppm	0.67	0.16	-0.07	0.47	-0.02	-0.03	0.59	0.93	0.72	0.45	-0.20	0.50	0.82	0.92	0.07	-0.07	0.80	0.70	0.29
Se_ppm	0.70	0.16	-0.05	0.42	0.11	0.12	0.79	0.70	0.57	0.35	-0.03	0.39	0.64	0.69	0.08	0.02	0.63	0.47	0.20
Sr_ppm	0.30	0.13	-0.04	0.08	0.08	0.07	0.30	0.11	-0.06	-0.15	0.68	0.02	0.00	0.12	-0.02	0.04	0.30	0.00	-0.07
Ti_pct	0.49	-0.06	-0.13	0.42	0.02	-0.05	0.53	0.85	0.65	0.47	-0.27	0.41	0.68	0.86	-0.15	-0.13	0.86	0.61	0.11
Te_ppm	0.58	0.28	0.03	0.48	0.43	0.09	0.58	0.56	0.61	0.34	-0.14	0.50	0.64	0.55	0.15	-0.05	0.50	0.39	0.23
Tl_ppm	0.76	0.08	-0.13	0.55	0.16	-0.04	0.77	0.81	0.49	0.22	-0.10	0.42	0.64	0.83	-0.01	0.10	0.88	0.37	0.11
Th_ppm	-0.13	0.01	-0.05	-0.12	0.25	-0.20	-0.09	-0.16	-0.32	-0.28	0.02	-0.24	-0.10	-0.10	-0.20	0.91	-0.02	-0.32	-0.22
U_ppm	0.36	0.04	-0.08	0.06	0.11	0.02	0.42	0.19	-0.01	0.00	0.04	0.22	0.09	0.24	0.01	0.29	0.22	0.02	-0.11
V_ppm	0.67	0.04	-0.11	0.42	0.06	-0.06	0.74	0.83	0.60	0.40	-0.22	0.42	0.70	0.85	-0.14	-0.05	0.77	0.54	0.15
W_ppm	-0.25	-0.09	-0.10	-0.14	0.08	-0.17	-0.13	-0.29	-0.39	-0.28	0.11	-0.36	-0.33	-0.24	-0.26	0.24	-0.02	-0.33	-0.24
Zn_ppm	0.35	0.57	-0.01	0.48	0.14	0.13	0.39	0.02	0.03	-0.04	0.06	0.24	0.14	0.01	0.43	0.17	-0.03	-0.01	0.07

	Mo_ppm	Na_pct	Ni_ppm	P_pct	Pb_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ti_pct	Te_ppm	Tl_ppm	Th_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm
Ag_ppb																		
As_ppm																		
Au_ppb																		
Ba_ppm																		
Bi_ppm																		
B_ppm																		
Cd_ppm																		
Al_pct																		
Co_ppm																		
Cr_ppm																		
Ca_pct																		
Cu_ppm																		
Fe_pct																		
Ga_ppm																		
Hg_ppb																		
La_ppm																		
K_pct																		
Mg_pct																		
Mn_ppm																		
Mo_ppm	1																	
Na_pct	0.64	1																
Ni_ppm	0.10	0.12	1															
P_pct	0.22	0.24	-0.05	1														
Pb_ppm	-0.14	-0.28	-0.05	-0.15	1													
S_pct	0.18	0.19	0.14	0.05	-0.09	1												
Sb_ppm	0.10	-0.09	0.23	-0.17	0.39	0.01	1											
Sc_ppm	0.55	0.52	0.08	0.04	-0.01	0.15	-0.14	1										
Se_ppm	0.78	0.58	0.23	0.05	-0.07	0.40	0.09	0.63	1									
Sr_ppm	0.32	0.48	-0.07	0.10	-0.10	0.29	0.16	0.10	0.32	1								
Ti_pct	0.54	0.64	0.09	0.19	-0.24	0.02	-0.18	0.86	0.52	0.08	1							
Te_ppm	0.77	0.47	0.24	0.12	0.05	0.19	0.29	0.48	0.63	0.15	0.45	1						
Tl_ppm	0.85	0.82	0.07	0.18	-0.12	0.25	-0.02	0.73	0.80	0.37	0.73	0.68	1					
Th_ppm	-0.01	0.07	-0.17	0.56	-0.04	-0.11	-0.11	-0.19	-0.14	0.07	-0.13	-0.10	-0.01	1				
U_ppm	0.31	0.40	0.06	0.20	-0.08	0.10	0.29	0.11	0.41	0.21	0.18	0.14	0.35	0.27	1			
V_ppm	0.70	0.66	0.13	0.19	-0.18	0.08	0.11	0.78	0.67	0.17	0.82	0.51	0.77	-0.09	0.45	1		
W_ppm	-0.12	0.11	-0.13	0.26	-0.12	-0.05	-0.12	-0.30	-0.16	0.19	-0.12	-0.12	-0.04	0.35	0.13	-0.19	1	
Zn_ppm	0.15	0.01	0.06	-0.08	0.83	-0.01	0.50	0.01	0.13	0.00	-0.09	0.23	0.18	-0.02	0.12	0.05	-0.08	1

Table 3
Thresholds and Colour Schemes used for Thematic Geochemical Maps

	Ag_ppb	As_ppm	Au_ppb	Ba_ppm	Bi_ppm	B_ppm	Cd_ppm	Al_pct	Co_ppm	Cr_ppm	Ca_pct	Cu_ppm	Fe_pct	Ga_ppm	Hg_ppb	La_ppm	K_pct	Mg_pct
Maximum	545	30.9	774.2	585.6	2.01	6.0	3.53	3.32	30.9	245.4	5.99	220.61	4.52	10.5	98.0	69.4	0.59	3.18
99% to 100%																		
	495	24.3	764.0	496.2	1.42	4.4	3.07	3.00	28.8	237.6	4.38	132.18	4.46	9.9	95.6	31.7	0.55	3.00
95% to 99%																		
	349	17.5	62.9	322.4	0.78	3.0	2.85	2.59	26.4	149.8	1.89	85.83	4.15	8.0	73.0	20.8	0.41	2.41
90% to 95%																		
	306	15.2	17.8	289.4	0.54	2.0	1.99	2.43	24.7	123.8	1.75	84.92	3.83	7.6	46.0	19.7	0.38	2.00
75% to 90%																		
	232	11.0	7.1	248.2	0.39	1.0	1.26	2.06	21.8	97.3	0.95	67.02	3.51	6.5	27.0	15.3	0.27	1.70
50% to 75%																		
	144	7.2	3.0	202.1	0.23	1.0	0.79	1.45	17.6	69.0	0.72	53.13	2.86	4.5	16.0	13.2	0.13	1.33
25% to 50%																		
	98	5.4	1.7	125.8	0.18	1.0	0.43	0.98	12.5	47.1	0.57	34.21	2.25	3.0	11.0	9.9	0.08	0.93
LOD to 25%																		
Limit of Detection	2	0.1	0.2	0.5	0.02	1.0	0.01	0.01	0.1	0.5	0.01	0.01	0.01	0.1	5.0	0.5	0.01	0.01
Below LOD																		

	Mn_ppm	Mo_ppm	Na_pct	Ni_ppm	P_pct	Pb_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ti_pct	Te_ppm	Tl_ppm	Th_ppm	U_ppm	V_ppm	W_ppm
Maximum	2399	9.46	0.071	494.7	0.200	93.08	0.070	2.12	8.9	4.00	111.9	0.124	0.11	0.60	31.6	17.2	185	3.70
99% to 100%																		
	1633	7.60	0.061	313.7	0.178	92.41	0.070	2.04	8.0	4.00	87.9	0.121	0.10	0.59	11.8	10.2	157	2.82
95% to 99%																		
	1113	6.31	0.043	166.1	0.132	31.31	0.050	1.26	6.9	2.90	59.3	0.110	0.08	0.39	5.4	2.4	112	1.70
90% to 95%																		
	866	4.55	0.033	118.6	0.127	26.72	0.040	0.90	6.2	2.10	52.6	0.107	0.06	0.34	4.7	2.1	105	1.10
75% to 90%																		
	727	2.69	0.025	89.3	0.102	16.24	0.030	0.55	5.3	1.40	38.1	0.088	0.05	0.24	3.8	1.5	93	0.50
50% to 75%																		
	533	1.30	0.013	65.0	0.090	10.83	0.020	0.44	3.5	0.80	29.6	0.065	0.03	0.13	2.9	1.1	54	0.20
25% to 50%																		
	398	0.86	0.008	38.7	0.081	7.65	0.005	0.31	2.3	0.50	23.3	0.045	0.02	0.08	1.8	0.8	34	0.10
LOD to 25%																		
Limit of Detection	1	0.01	0.001	0.1	0.001	0.01	0.010	0.02	0.1	0.1	0.5	0.001	0.02	0.02	0.1	0.1	2	0.1
Below LOD																		

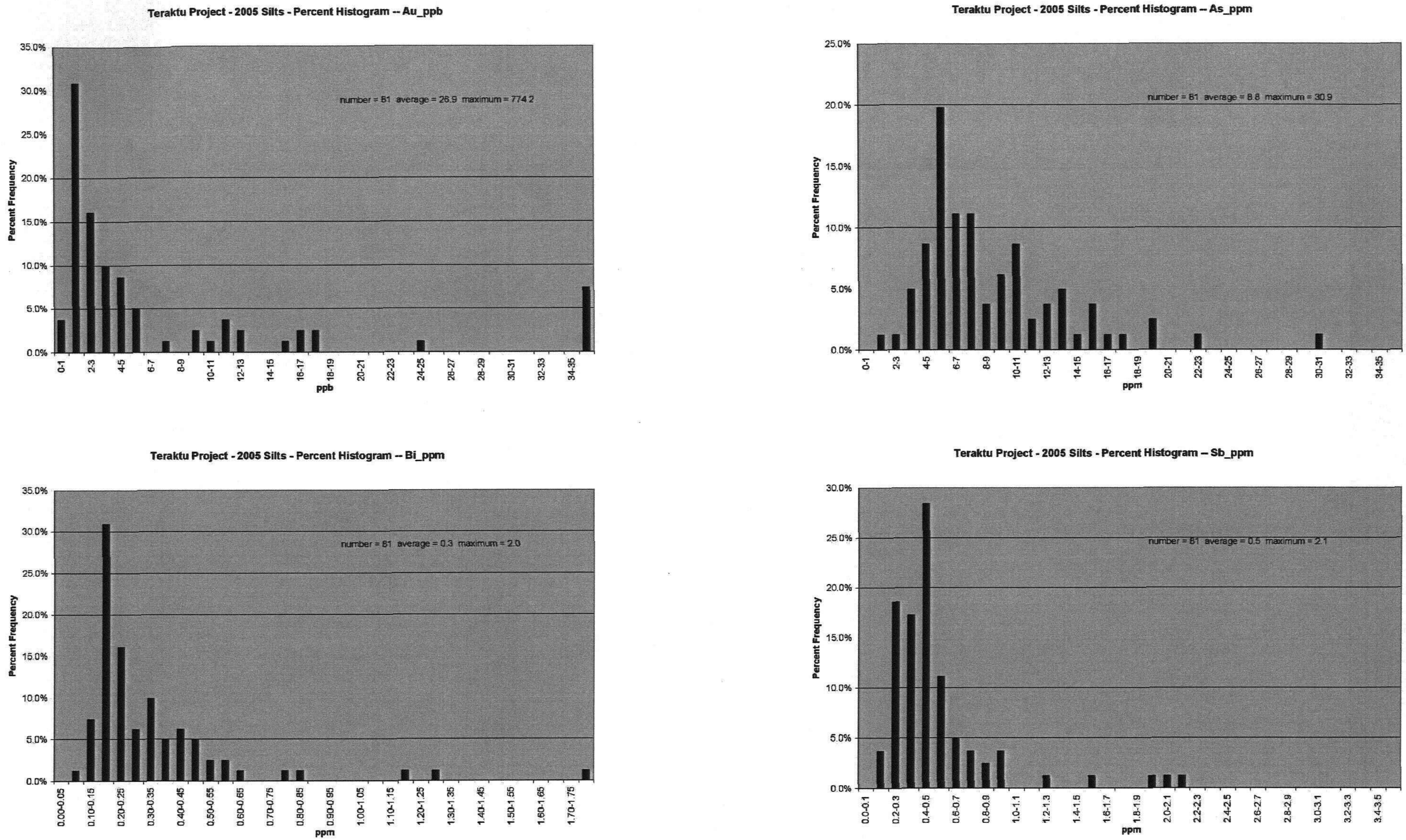


Figure 7 Histograms of percent frequency for gold and its pathfinder suite, Au, As, Sb and Bi. All populations appear to be lognormal with extended tails.

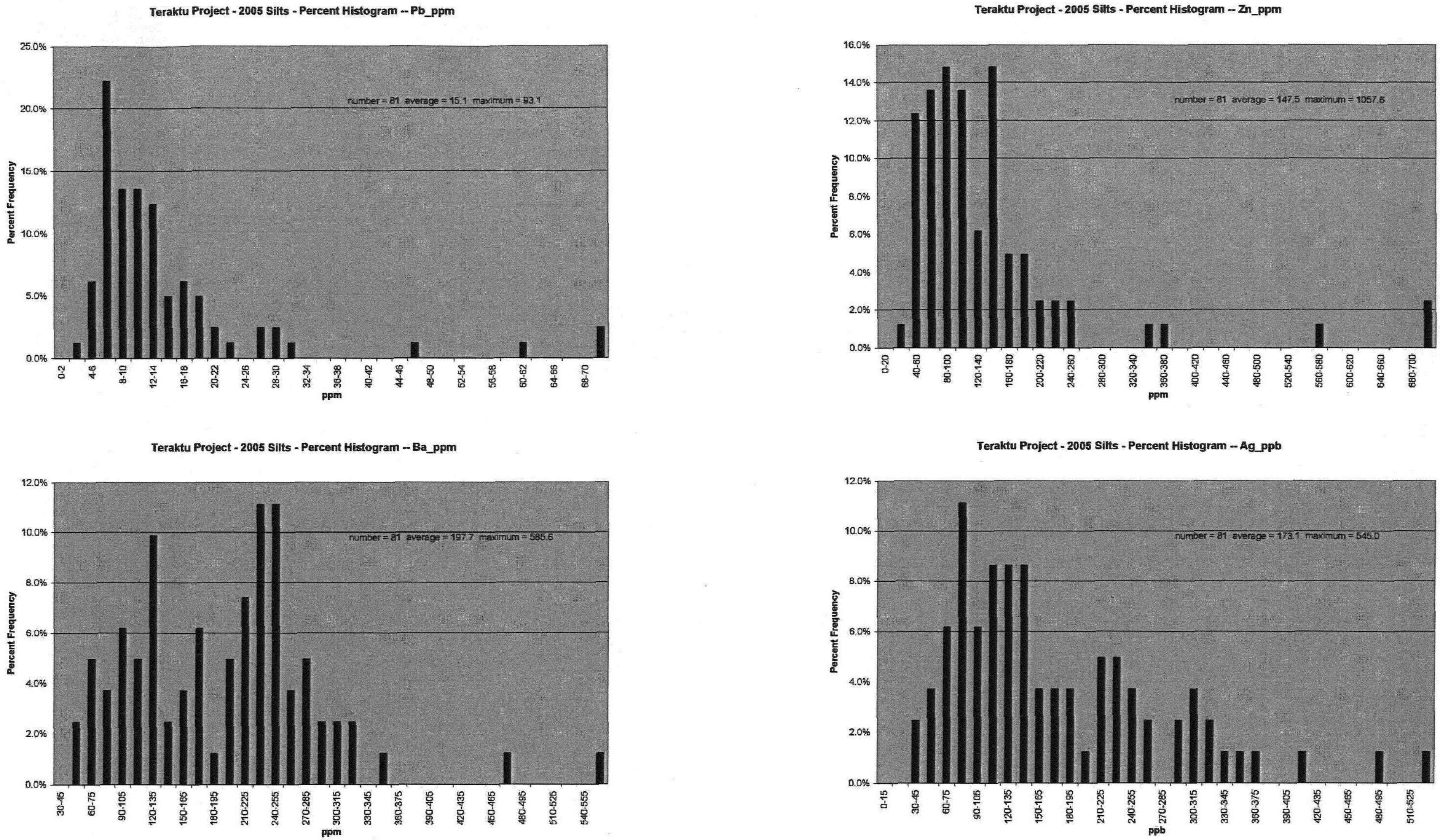
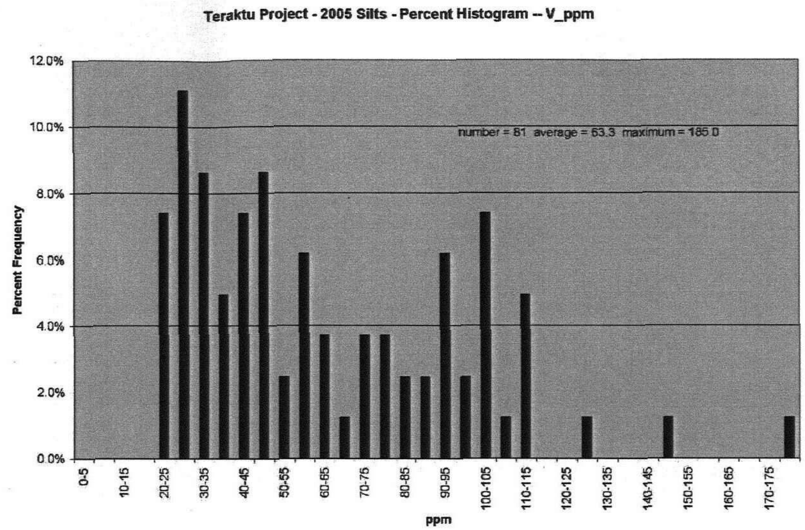
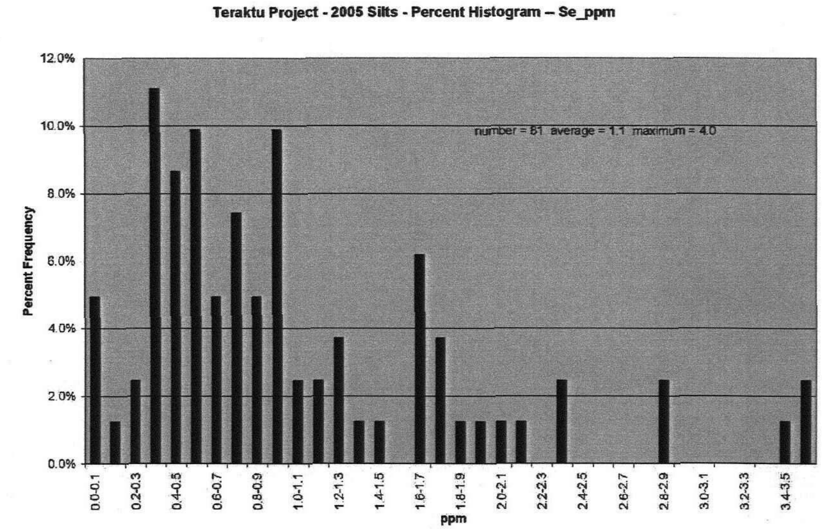
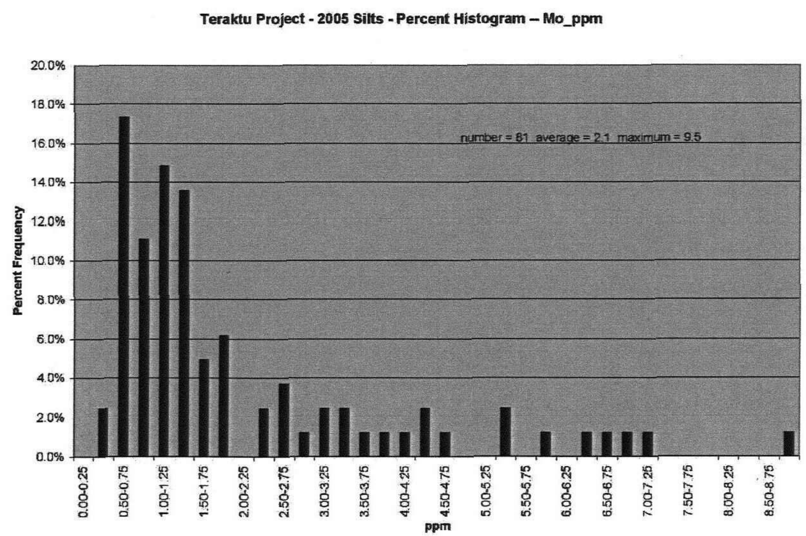


Figure 8 Percent frequency histograms for Ag, Pb, Zn and Ba. All populations appear to be log normal with a strong indication, especially for Ba and Ag, of a second population. In the case of Ag the second peak is due to the samples taken from streams draining the carbonaceous phyllite sequence west of the d'Abbadie fault zone. This is less clearly the case for Pb and Zn where the second population appears to arise from samples east of the DFZ.







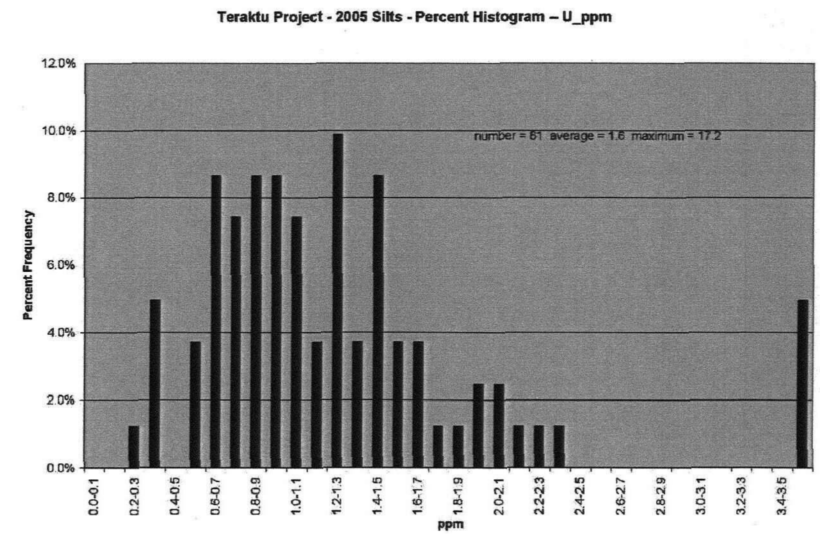


Figure 9 Histograms of percent frequency for V, Se, Mo and U; all elements commonly associated with black shales. All populations appear to be lognormal with extended tails and a strong indication of a bi-modal or multi-modal population distribution. All of these elements along with Ag, Co, Al, Ga and to a lesser extent Ba, Zn, Cu and Bi cluster in a north south trend just west of the d'Abbadie fault zone following a strongly carbonaceous siliceous phyllite unit.

Teraktu Project - 2005 Silts - Log Probability Plot -- V_ppm

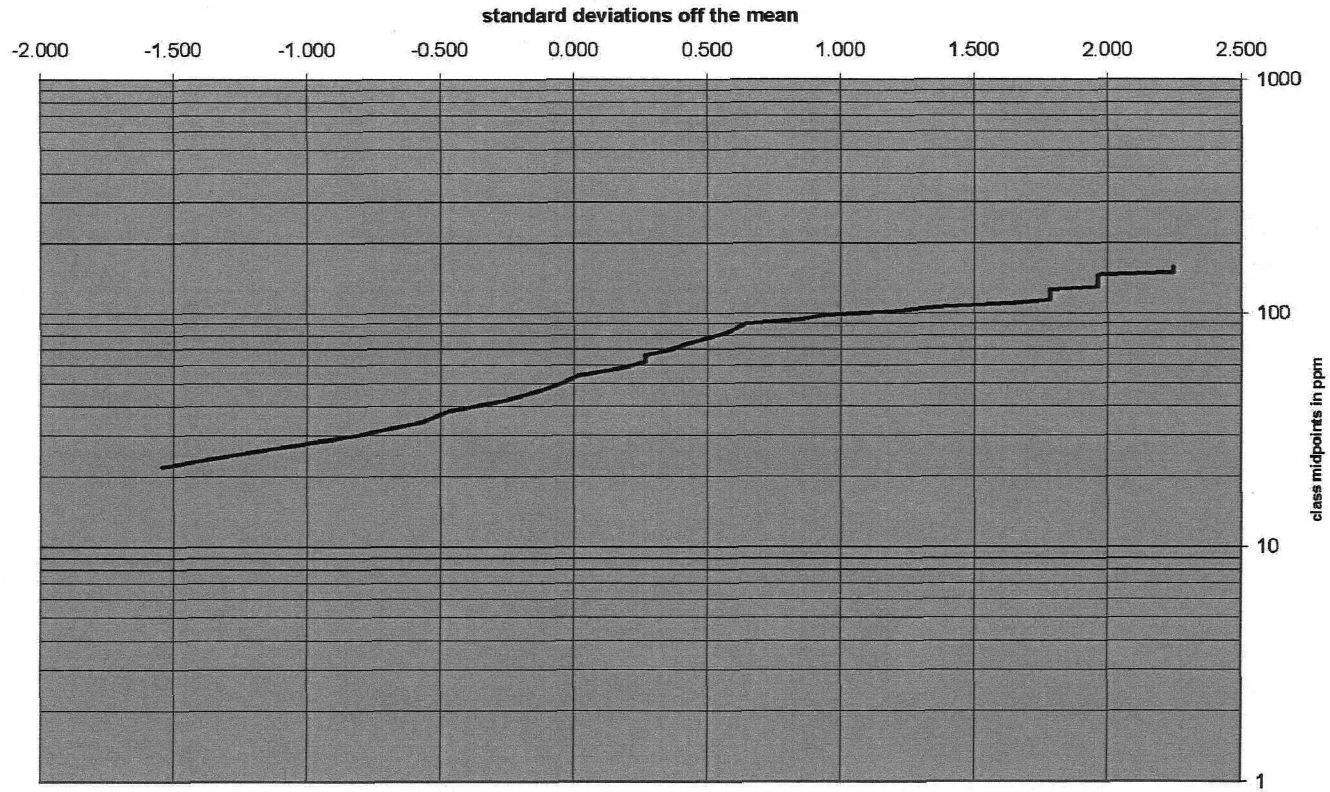


Figure 10 A log – probability plot for vanadium showing a suggestion of a break in population above approximately 90 ppm. Many other elements show similar but more complex plots. In most cases the higher population is spatially associated with the black siliceous phyllite unit west of d'Abbadie fault zone.

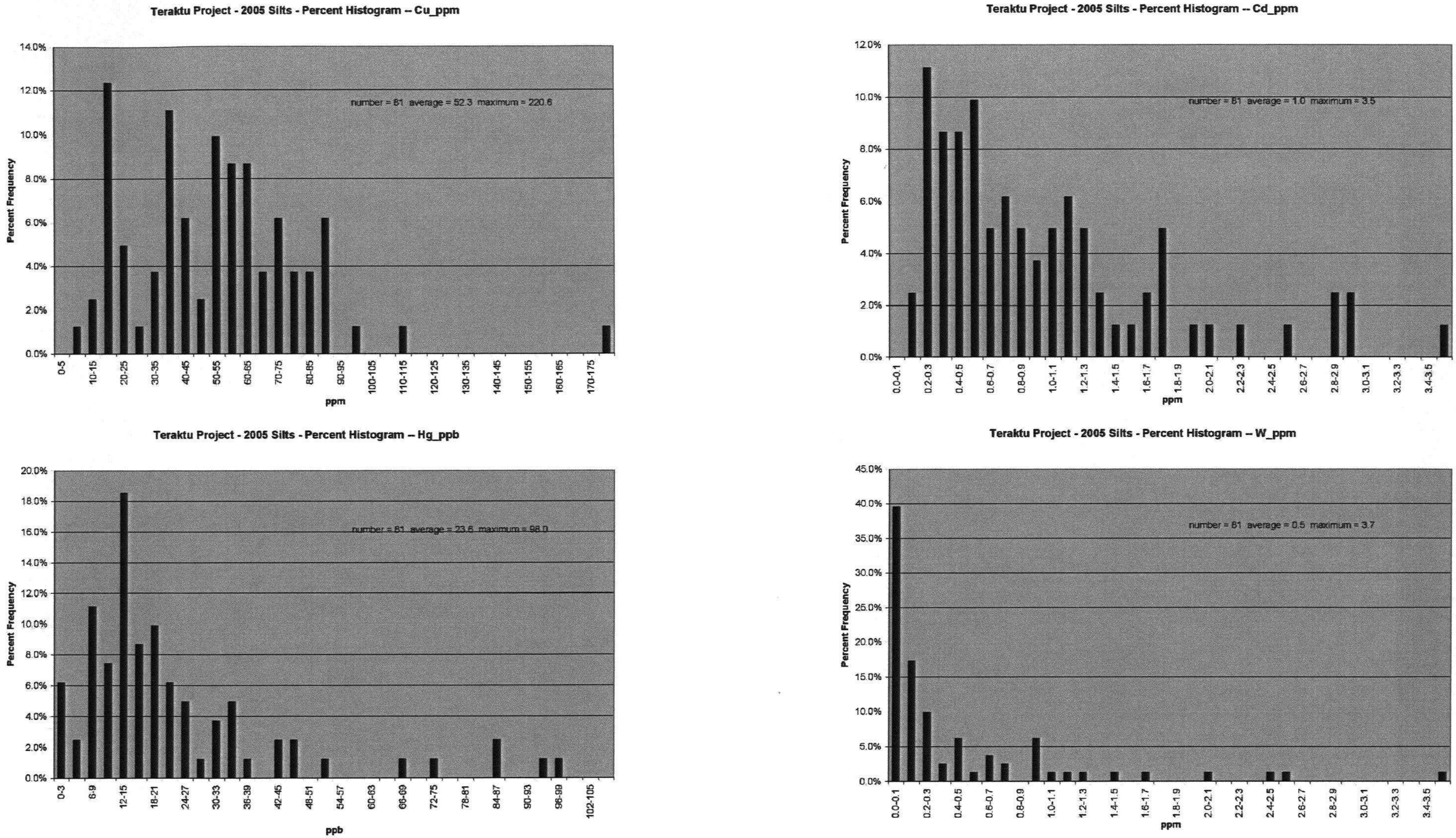


Figure 11 Histograms of percent frequency for Cu, Cd, Hg and W. All populations appear to be log normal but with long tails. Cu and Cd appear bi-modal for reasons noted previously for V but Cu may also be influenced by mafic/ultramafic rocks..

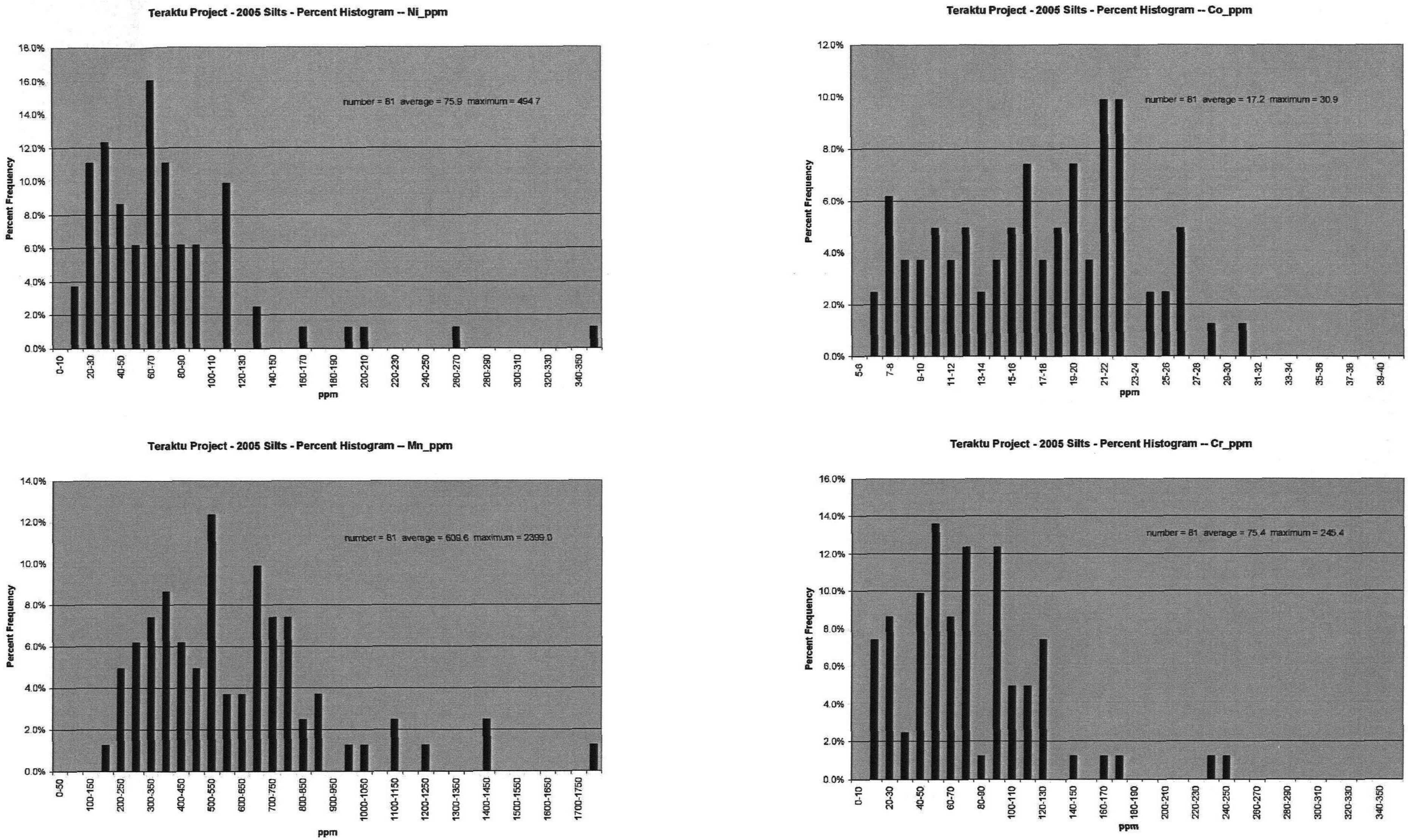


Figure 12 Histograms of percent frequency for Ni, Cr, Co and Mn elements that might be expected to be associated with mafic / ultramafic rocks. Most populations appear to approximate log normal but Co is notably different and may represent two (or more) populations with values above 14 ppm possibly belonging to the higher level population.

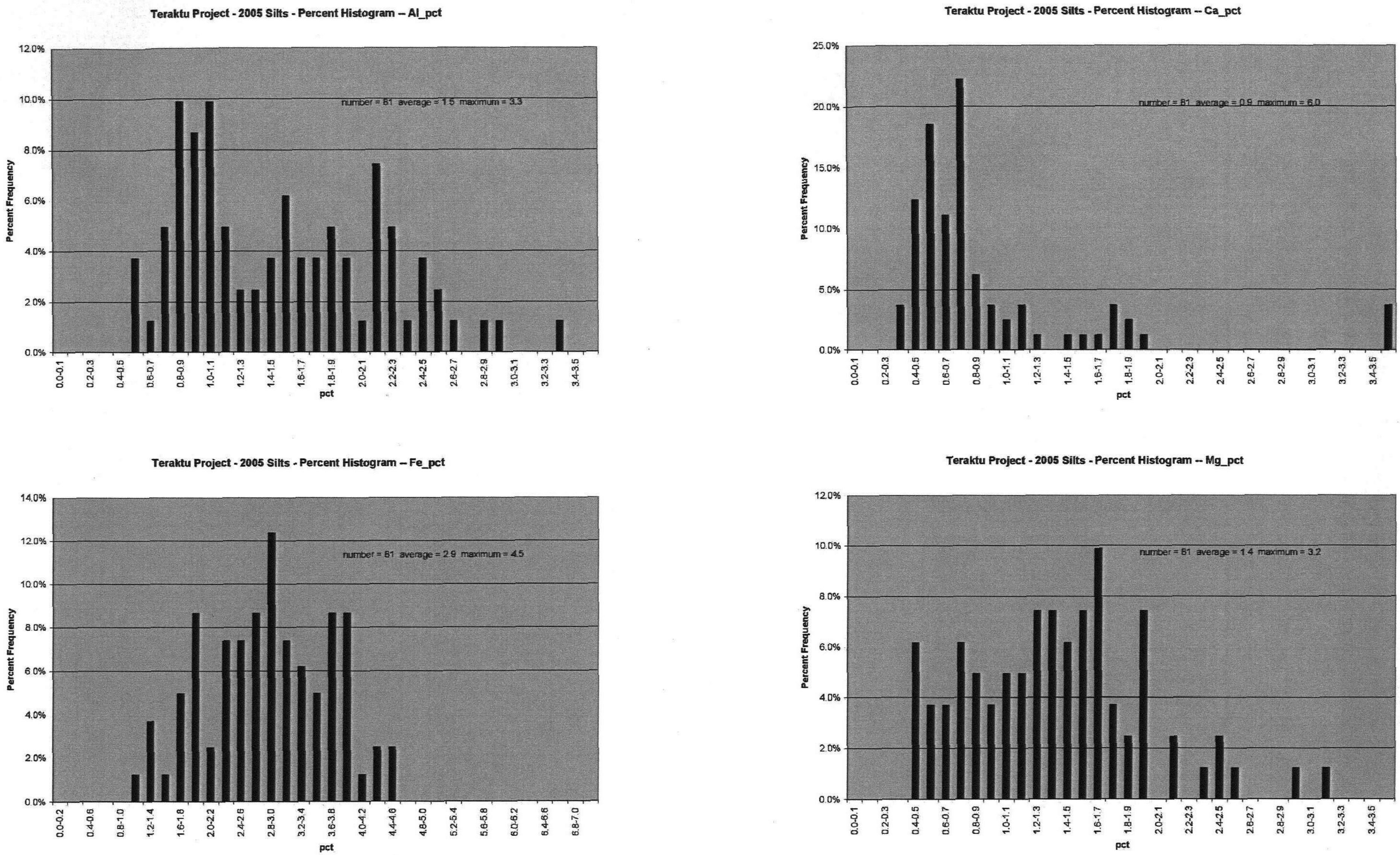


Figure 13 Histograms of percent frequency for selected major elements; Al, Ca, Fe and Mg. Al and Fe are included as several trace elements show a strong correlation with them. Fe shows an approximately normal population while Al shows a strikingly multi modal population. Ca and Mg histograms are also suggestive of multi modal populations probably showing the influence of limestone/marble and mafic/ultramafic rocks respectively.

Interpretation

Stream Sediment Geochemistry

Figures 14 through 31 show plots of various elements in silt samples using the color scheme and percentile boundaries shown in table 3. Figures 32 and 33 show the same data for selected elements in the northern part of the area on the geological map of de Keijzer (2000) presented in figure 5.

Several elements are moderately anomalous and may warrant follow-up. Gold is not generally associated with other elements and shows a sporadic distribution suggesting that the few high values may be spurious and more related to fluvial processes than bedrock sources. It is interesting that gold shows so little association with other elements as it was a partly coincident pathfinder response that stimulated the project.

Bi, Sb and Au are anomalous in a stream draining westerly from the D'Abbadie fault zone suggesting mineralization may occur in that drainage perhaps in association with a felsic / intermediate dyke (figures 14 and 5). The values in this creek are only moderately high (Au up to 92 ppb) but the area would be worthy of follow-up if in the area for other reasons.

Several other anomalous associations are noted in the captions of figures 14 through 31 but none seem intense enough to be likely indicative of significant mineralization.

The outstanding characteristic of the element distribution maps is a north –south trend just west of the D'Abbadie fault zone where Ag, Mo, V, Se, U and several other elements are moderately to strongly anomalous. This trend clearly follows a carbonaceous phyllite unit west of d'Abbadie fault zone and is a geochemical association expected from such a carbonaceous rock unit. As noted below rock samples collected from this unit are also high in the same elements. This unit does not appear to offer potential for economic concentrations of any of the elements.

Pb, Zn and locally Ba and/or Ag are anomalous east of DFZ. The values are not particularly high in that area but the association is distinctly different from that west of DFZ. The source of these elements is not clear; it could relate to minor veining along strands of DFZ or possibly unit GS with a different elemental composition that west of the DFZ. What ever the cause of the Pb–Zn response east of DFZ it is clear that unit GS shows a very different geochemical signature on either side of DFZ.

Ni and Cr are distributed as if derived from mafic / ultramafic rocks. Co shows a similar tendency but also follows the carbonaceous trend.

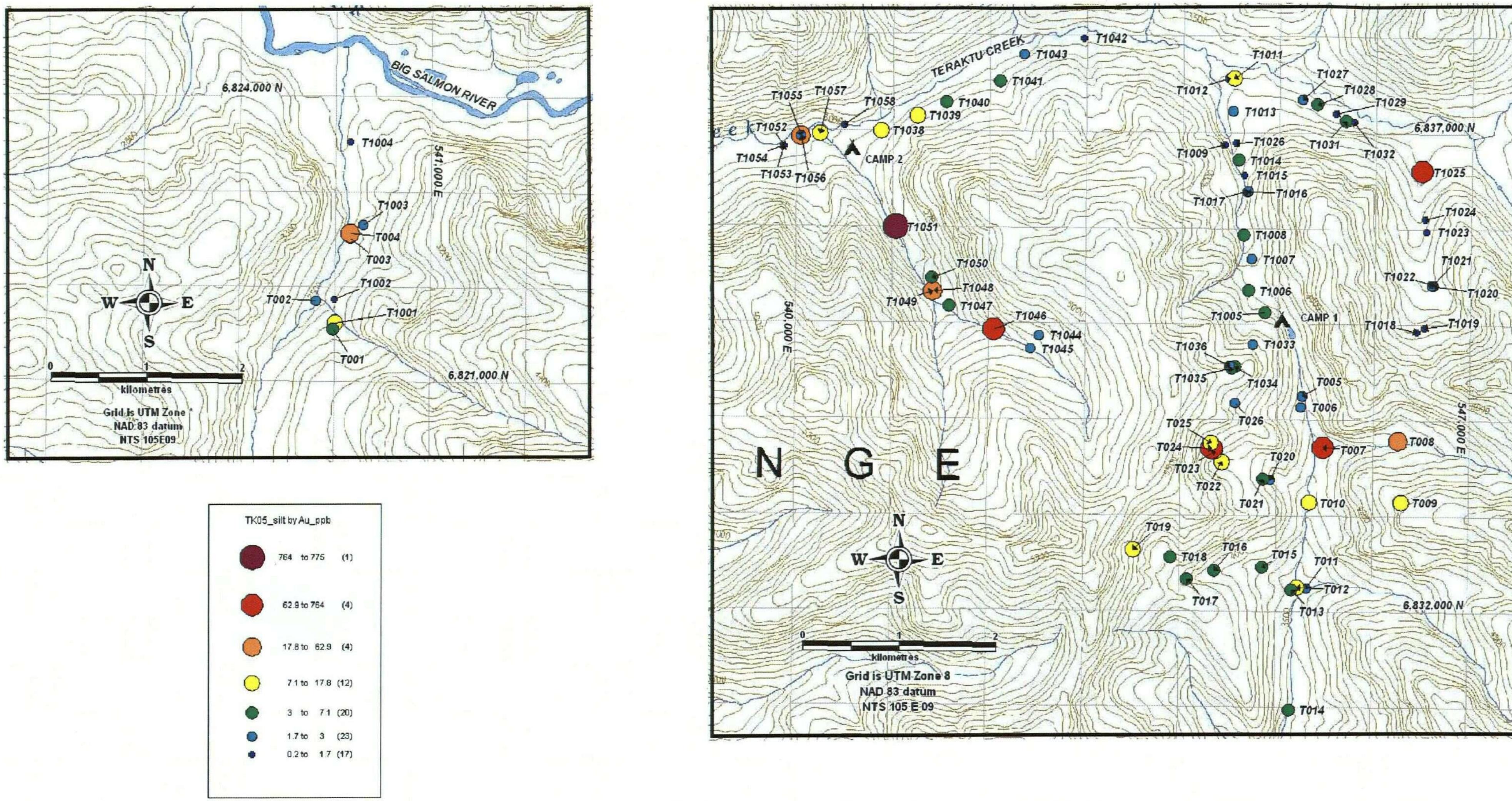


Figure 14 Gold in Stream sediments. Gold does not appear to be closely related to any geological unit as are several other elements. The moderately to weakly anomalous response in the west flowing creek at 6,834,000 N is coincident with Sb and Bi anomalies and may warrant follow-up. The presumed felsic / intermediate dyke in that area (figure 5) would be a likely prospecting target. The scattered anomalous responses in the NW flowing tributary to Teraktu creek near camp 2 are sporadic and mostly unrelated to other elements; they may be more reflective of stream concentration processes. The high sample result in the northeast of the area is isolated but corresponds to a Bi high; both elements tend to form fluvial concentrates and the fast flowing, sediment poor, sample site there suggests this anomaly also may be a result of stream processes. Base map for figures 14 to 31 is the 1:50,000 topography of claim sheet 105E09 from Yukon Mining Recorders website.

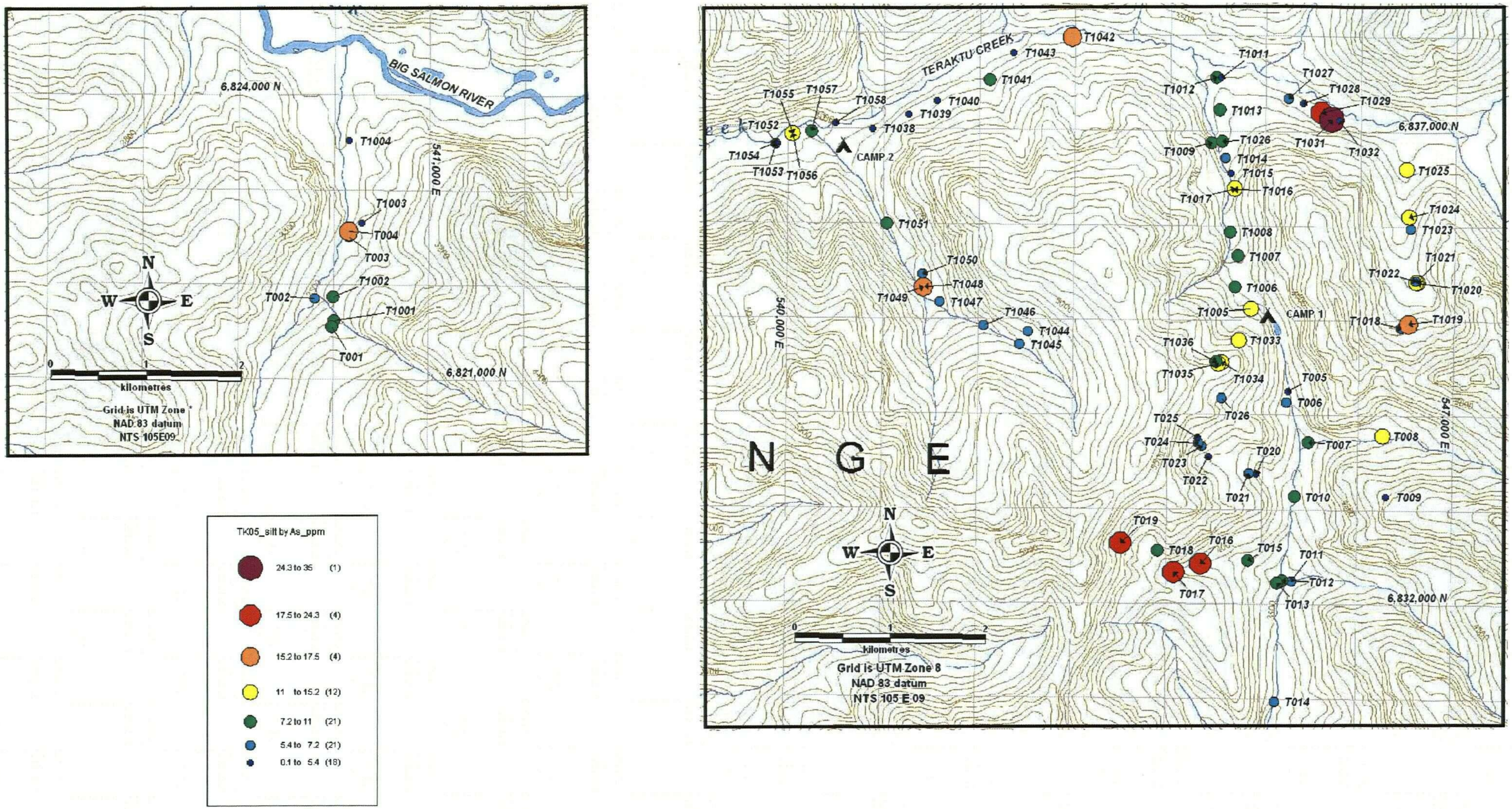


Figure 15 Arsenic in Stream sediments. As is only locally associated with Au but is associated with Pb at 2 localities at 6,832,500 N and 6,837,000 N respectively. Neither locality appears to be of much economic interest as the values are fairly low.

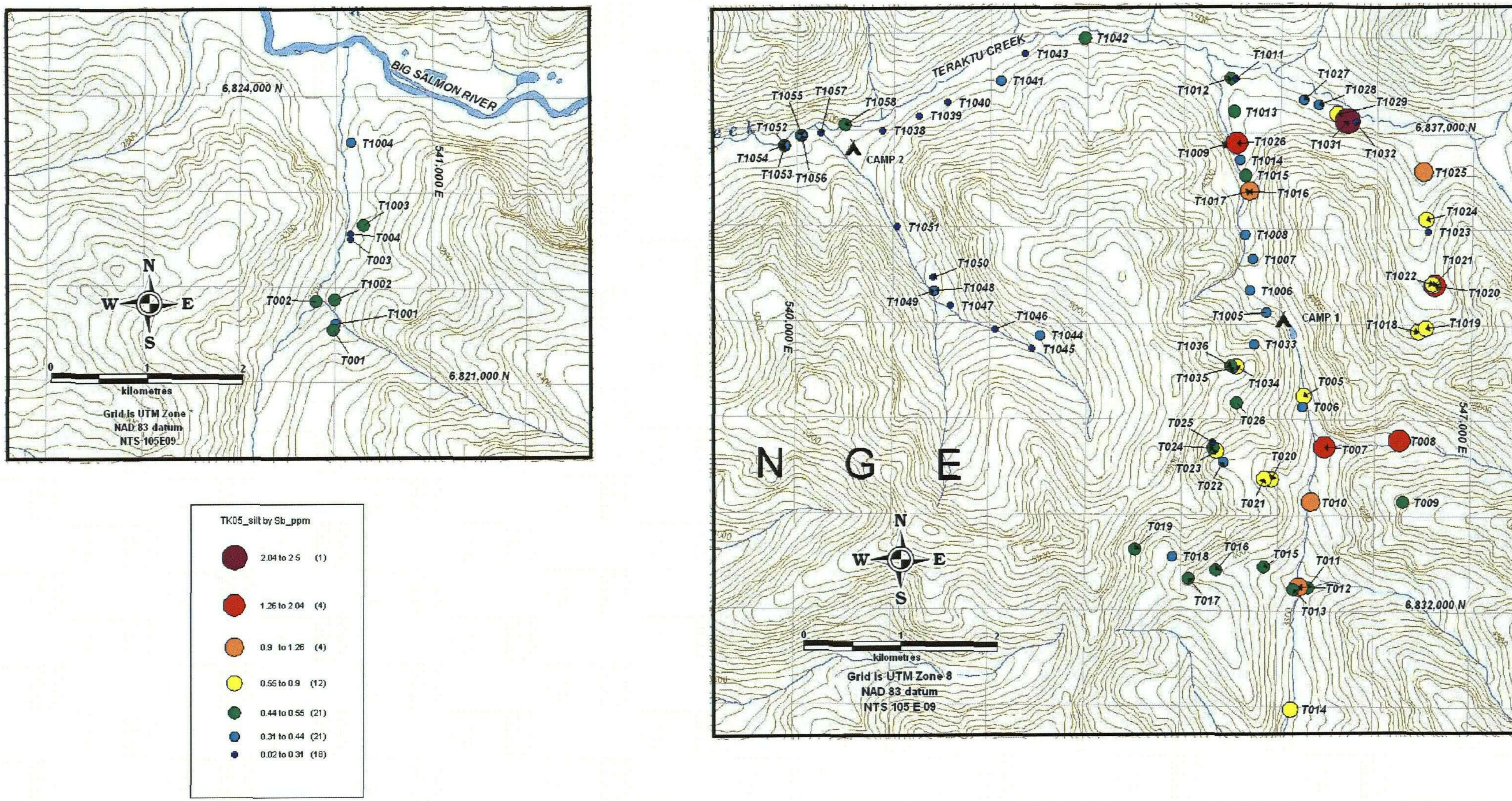


Figure 16 Antimony in Stream sediments. Sb appears associated with Cu, Pb and Zn response east of the D'Abbadie fault zone. The Sb response at 6,834,000 N appears to originate from a strand of the DFZ and/or a felsic / intermediate dyke and is associated with Bi and Au responses of comparable order. The spot high south of Teraktu Creek in the northeast of the area is coincident with As, Pb and Zn anomalies.

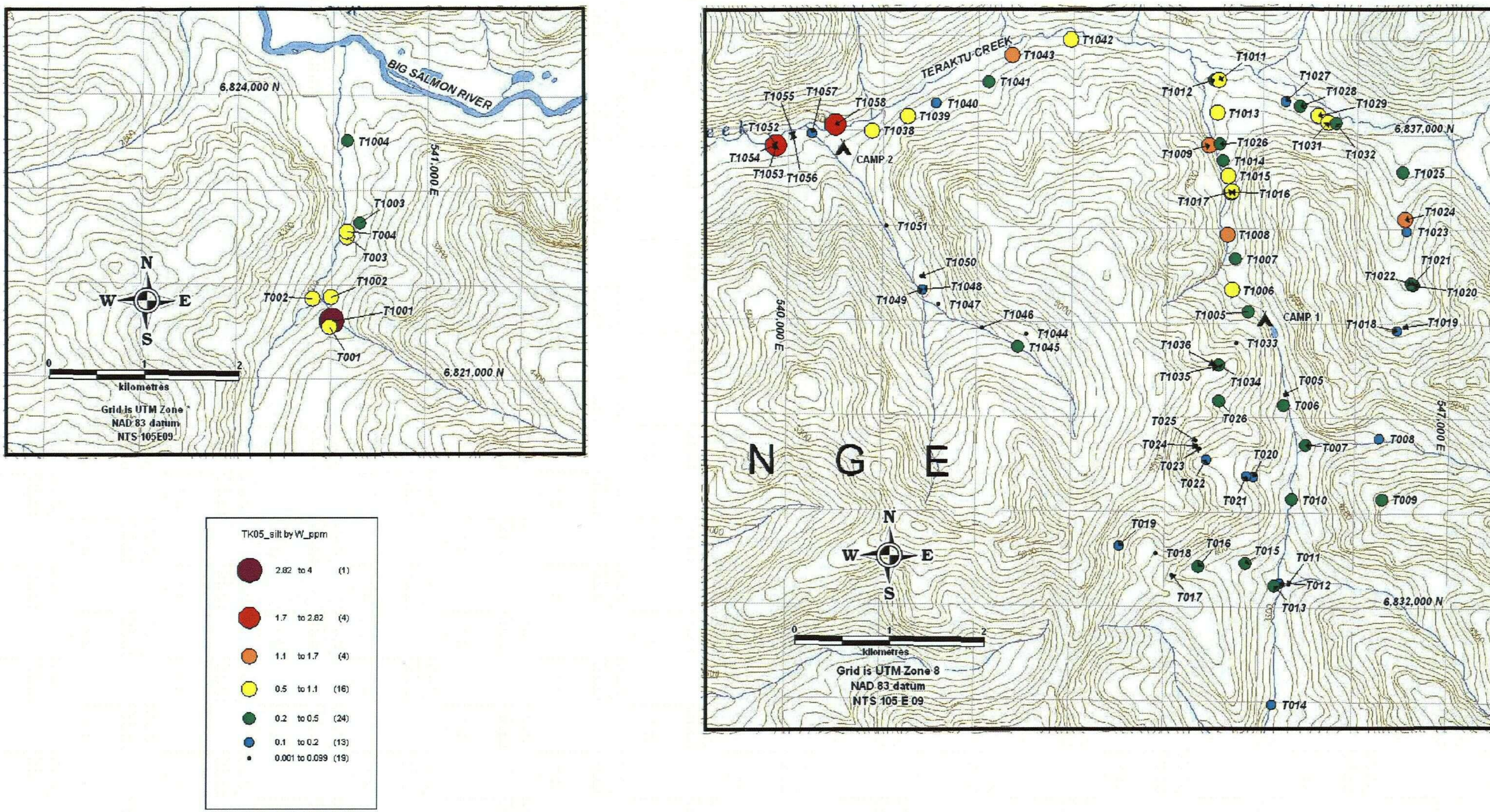


Figure 17 Tungsten in Stream sediments. W anomalous response is mainly in the larger streams and appears to increase in intensity down stream. This may be due to the fluvial regime rather than bedrock sources. W appears to lack relationship to other elements.

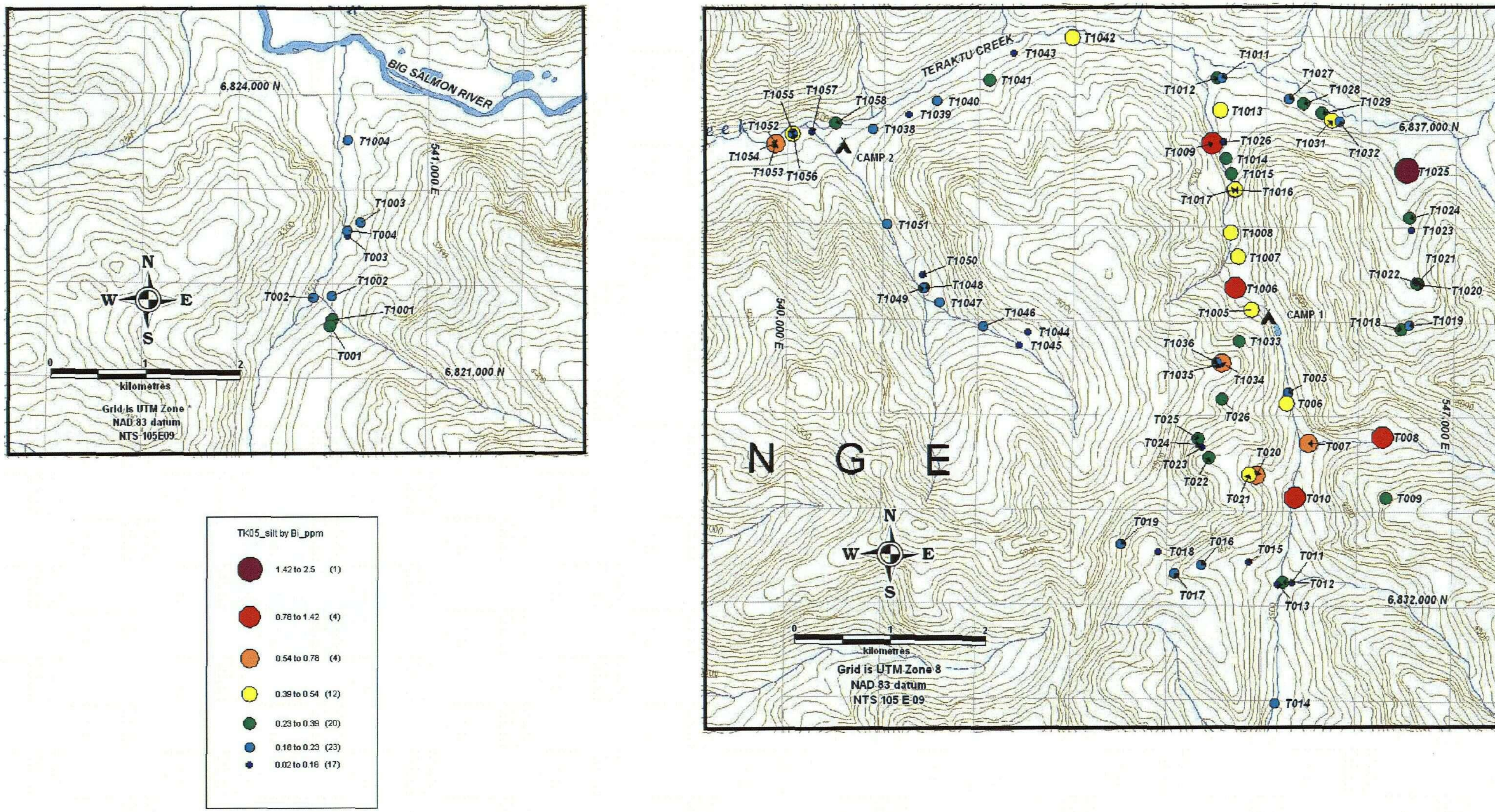


Figure 18 Bismuth in Stream sediments. Bi is anomalous along with Sb and Au in a stream draining west from the D'Abbadie fault zone near 6,834,000 N. The isolated high in the northeast is coincident with a strong Au anomalous response but is suspected to relate to stream concentration processes. The weak northerly trend of the remaining Bi anomalies is discussed below along with Ag, Se, and V anomaly patterns.

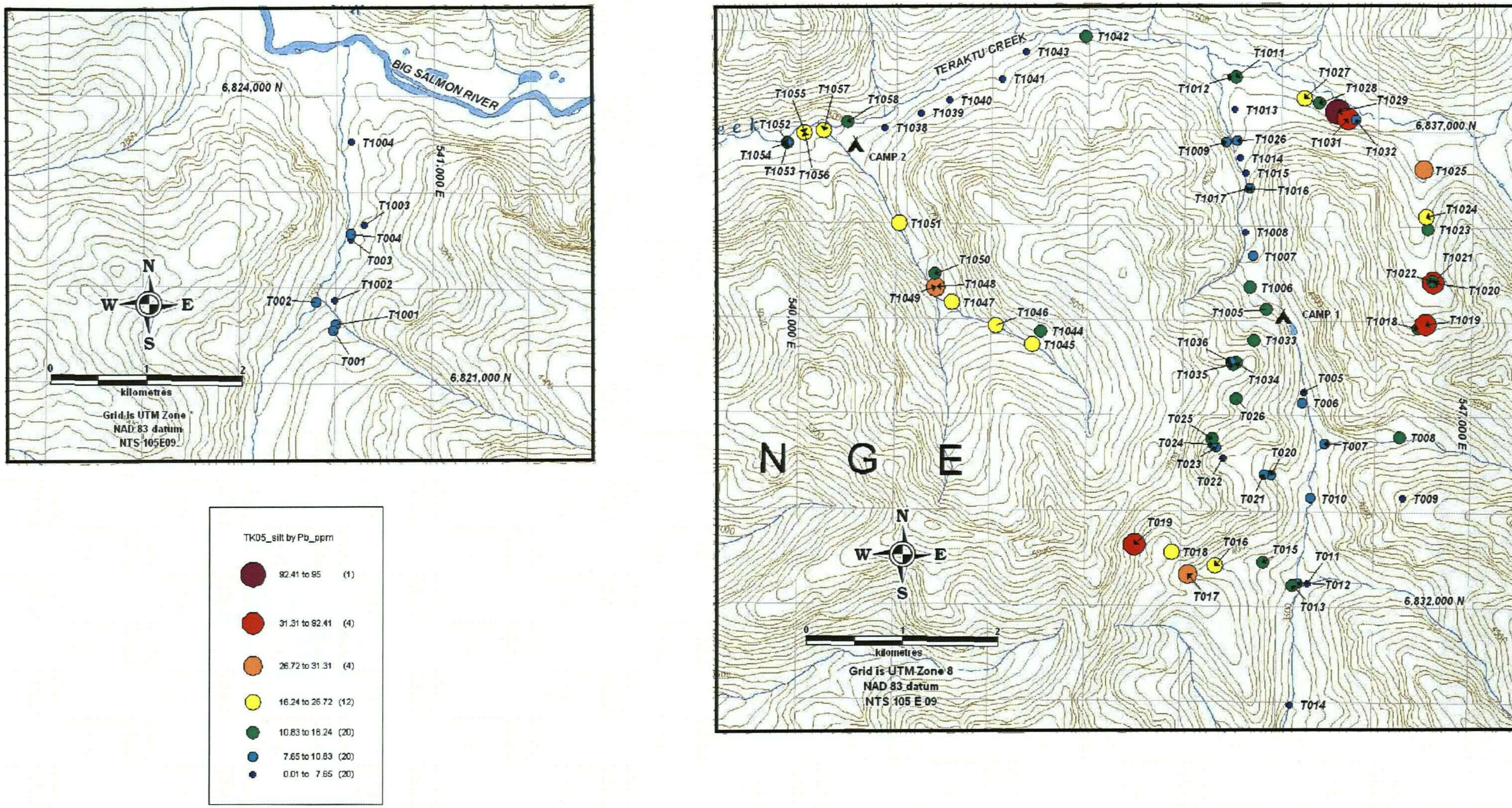


Figure 19 Lead in Stream sediments. Lead, like zinc is higher in the eastern tributary to Teraktu Creek (at 546,500 E) but the sub 100 ppm values are not suggestive of significant mineralization. Pb along with As and locally Ag is anomalous in the east flowing creek at 6,832,500 N but again the values are low and not suggestive of significant mineralization.

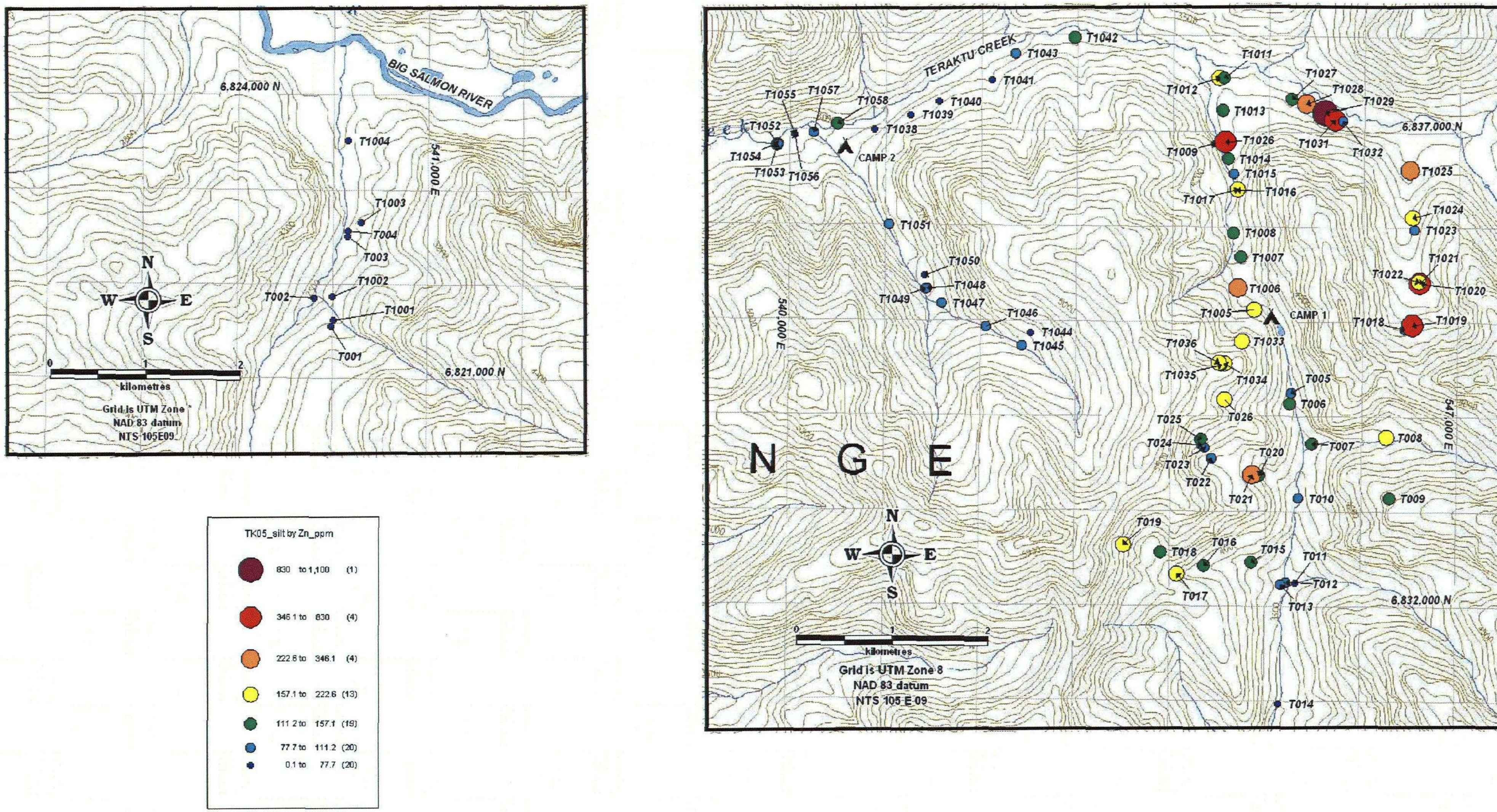


Figure 20 Zinc in Stream sediments. Zn like Pb is higher in the creek and other smaller north flowing tributaries to Teraktu Creek east of D'Abbadie fault zone but. Values are only moderately high compared to that expected near a Pb-Zn deposit Minor veining related to the DFZ may be the cause. Zn also shows some association with Ag,V, Mo and Se following the carbonaceous unit west of the DFZ..

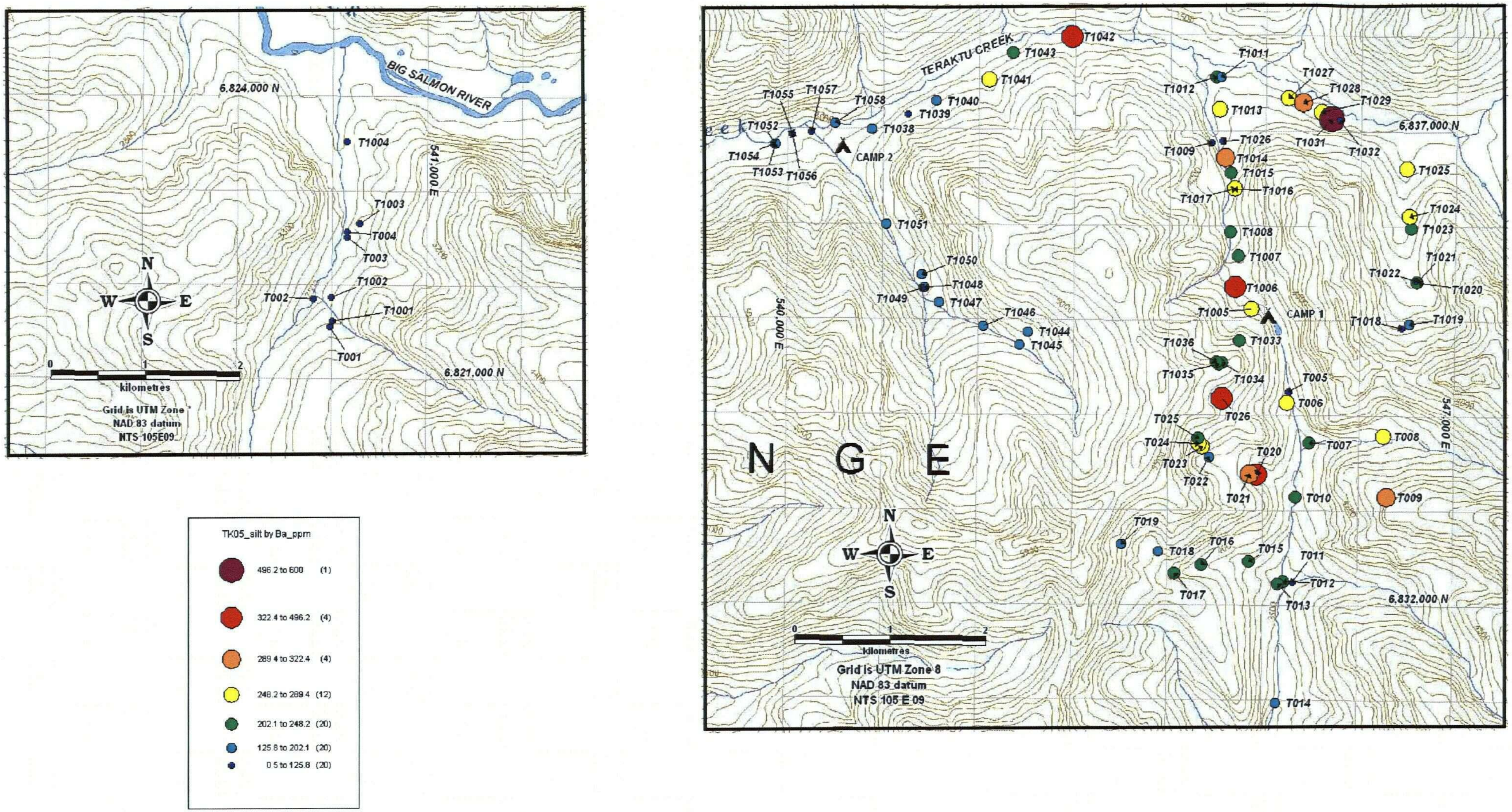


Figure 21 Barium in Stream sediments. Ba shows a weak tendency to follow the carbonaceous unit west of DFZ but also associates with some of the Pb - Zn response east of DFZ. Overall, the values are low compared to that expected near a significant barite bearing source.

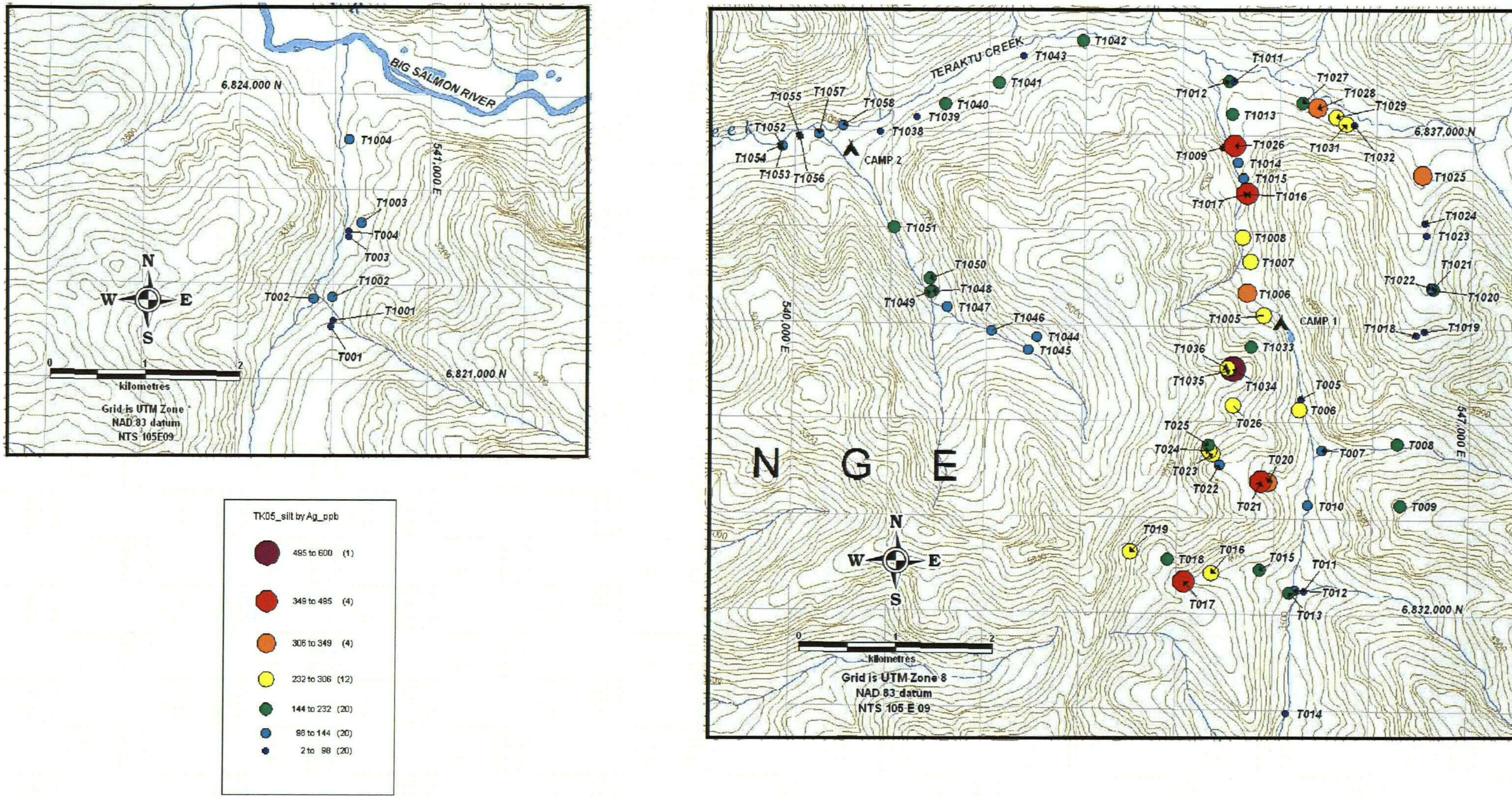


Figure 22 Silver in Stream sediments. High silver values follow a north south trend west of d'Abbadie Fault Zone but also is associated to a lesser extent with lead and zinc to the east of DFZ.

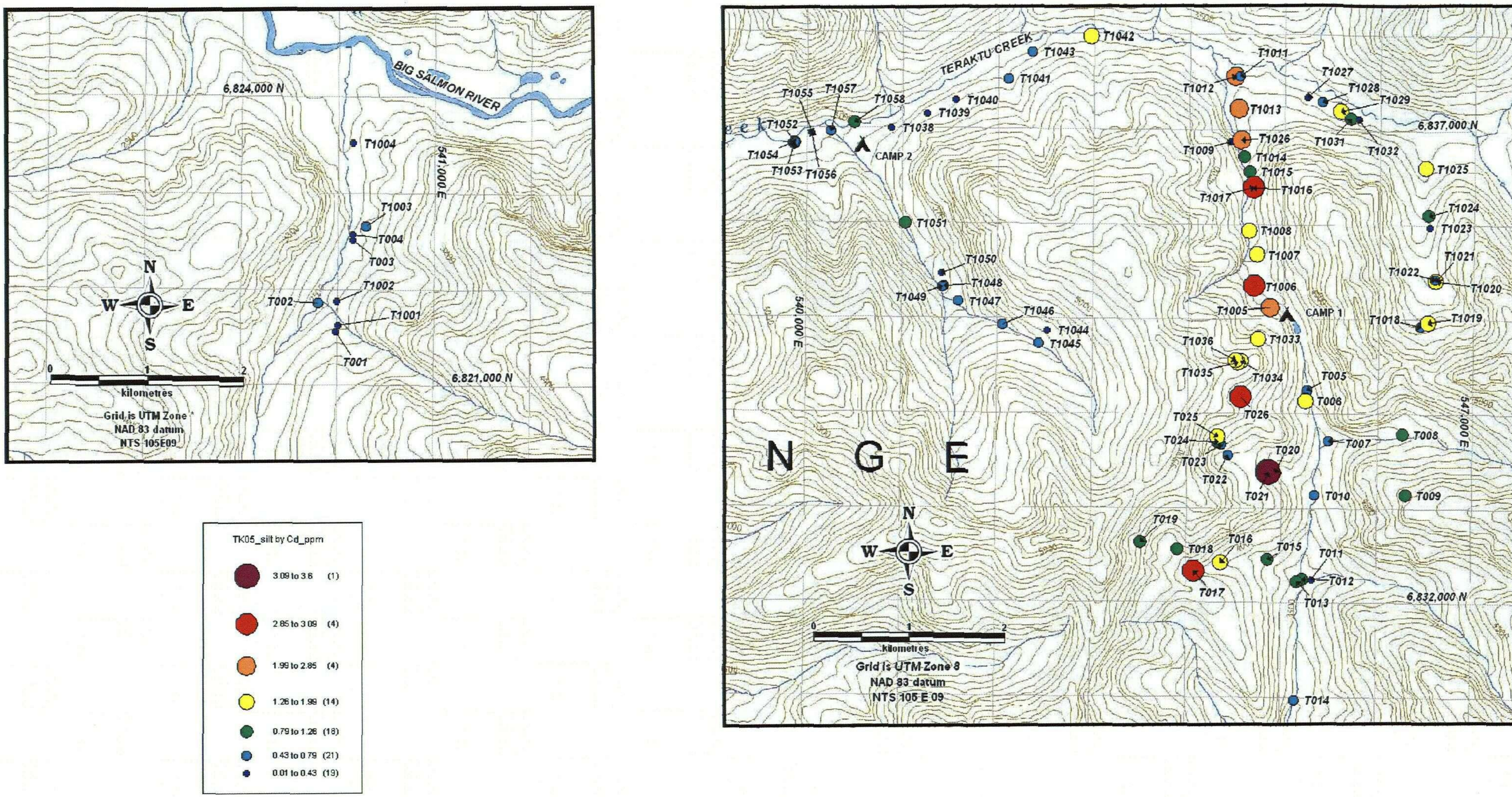


Figure 23 Cadmium in Stream sediments. Cd is strongly associated spatially with V, Se, Mo and Ag following the carbonaceous unit west of DFZ.

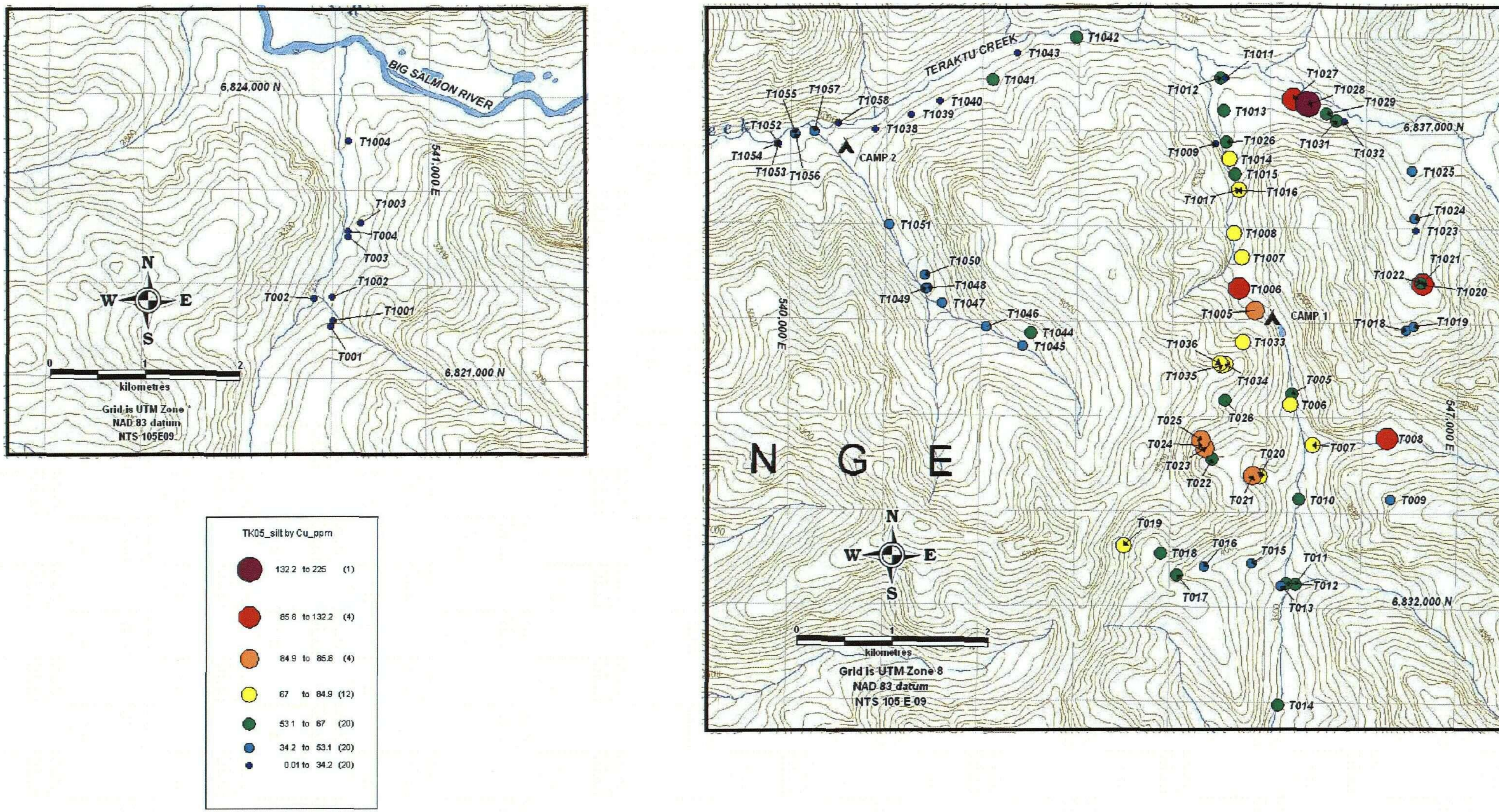


Figure 24 Copper in Stream sediments. Copper appears to show association with the mafic / ultramafic rock within and east of the DFZ as well as Ag, V, Mo, Cd west of the fault.

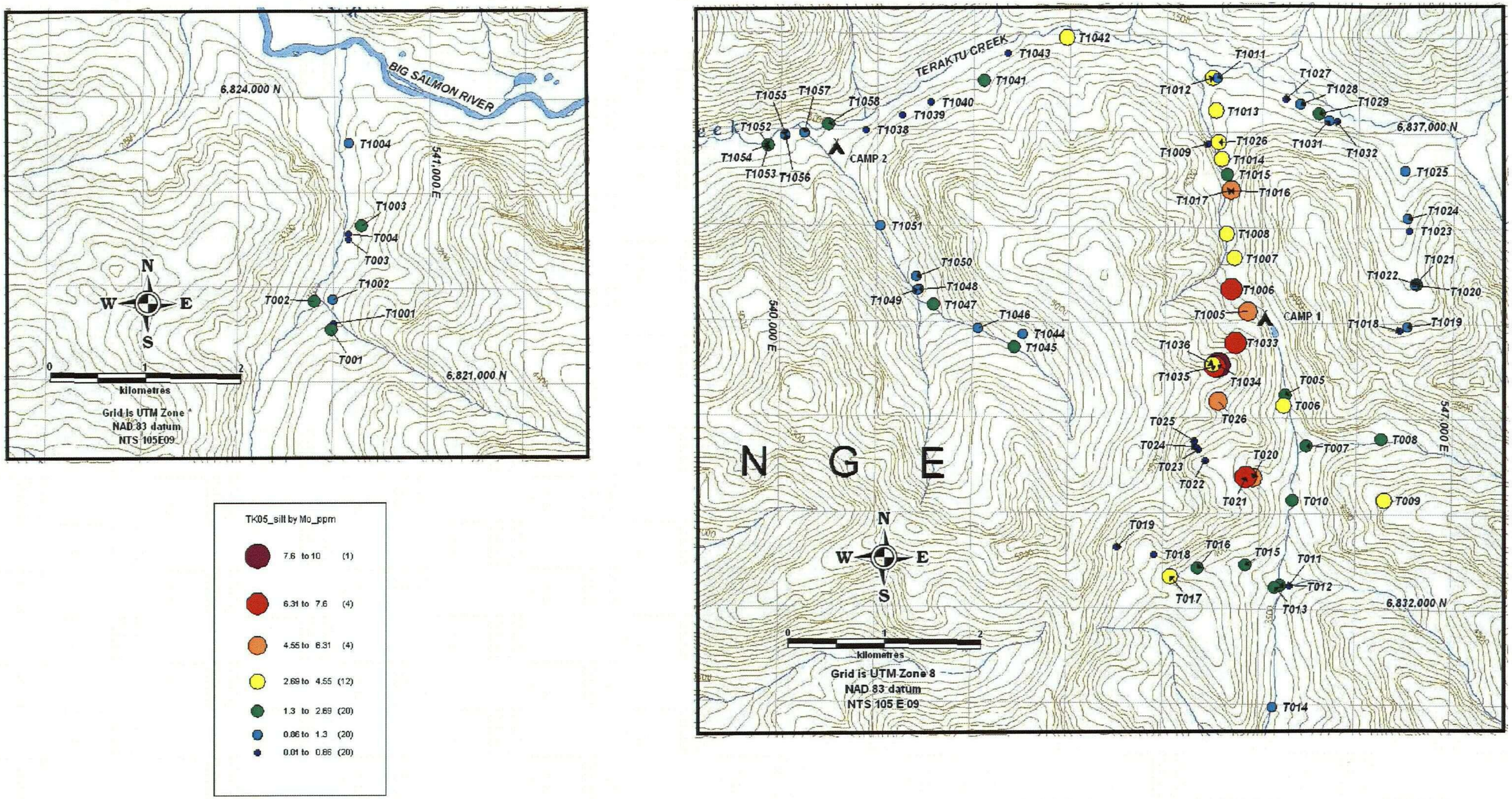
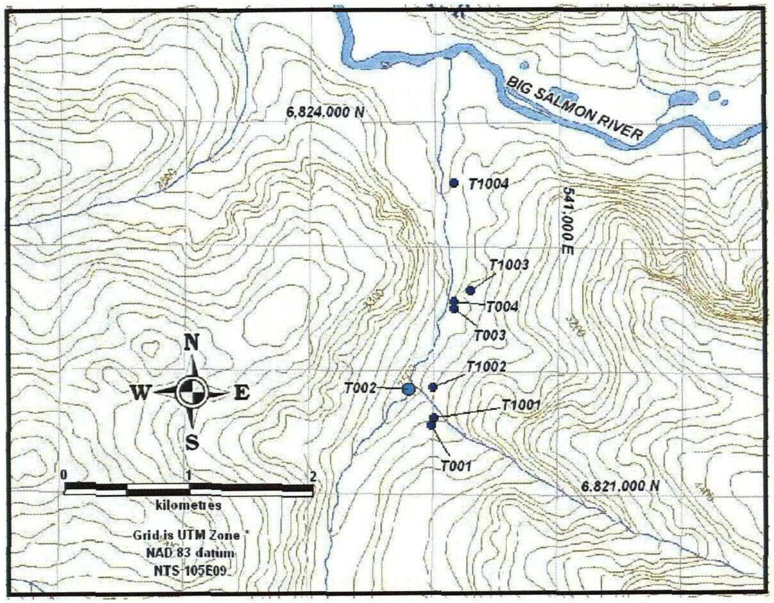
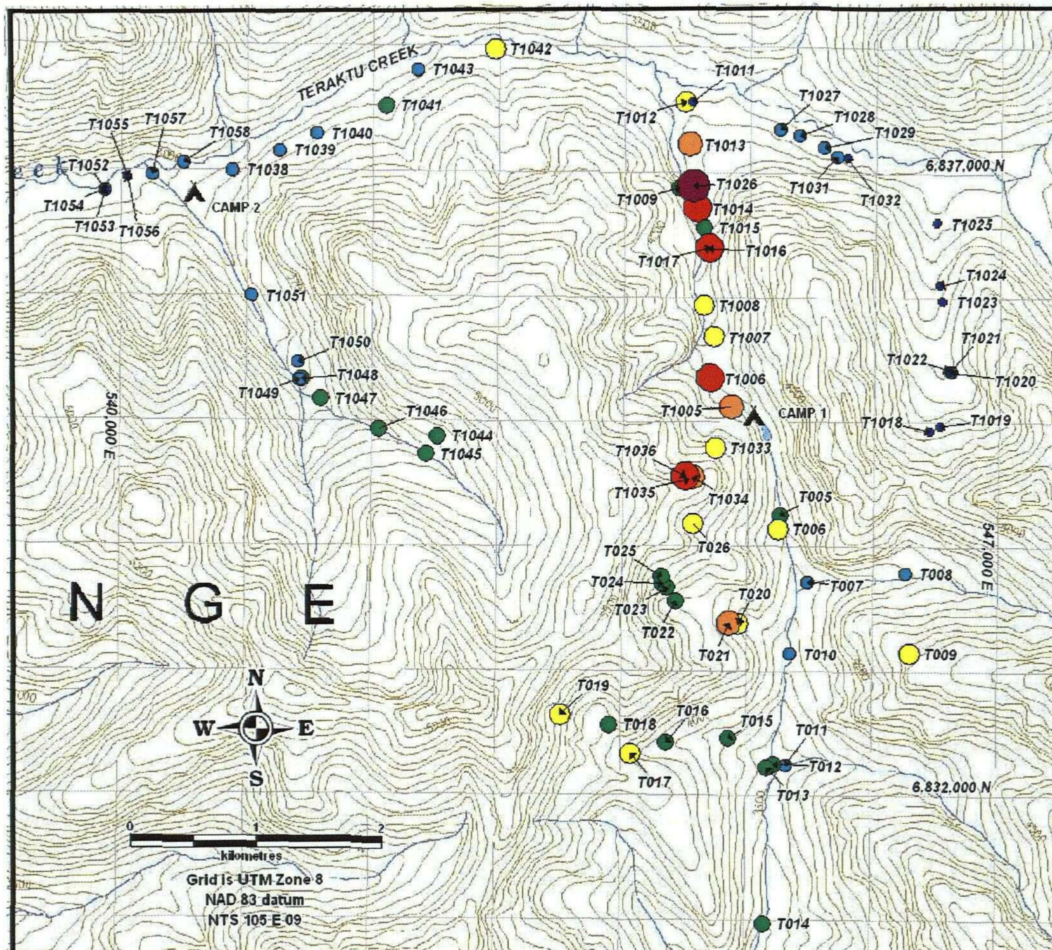


Figure 25 Molybdenum in Stream sediments. Mo response is restricted to a north south trend west of DFZ following elements like V, Ag, Se and Cd. As shown below (Figure 32) this trend is coincident with the distribution of a carbonaceous unit that is the logical source of this element suite.





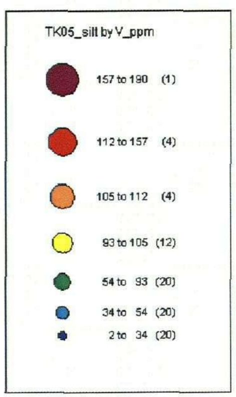


Figure 26 *Vanadium in Stream sediments. Higher V values cluster strongly west of the north – south valley that appears to follow the western side of the D'Abbadie fault zone. The distribution of high V silts corresponds closely to a black carbonaceous and variably siliceous phyllite unit overlain by and interlayered with dark green mafic meta-volcanic phyllite. Other elements that show this association are Se, Mo, U, Ag, Cd and to a lesser extent Cu, Co, Ba and Zn. As noted earlier V shows a bimodal population with a break at about 90 ppm which corresponds to the yellow map symbol showing that the higher population is due to the north-south trend of samples taken from streams draining the carbonaceous unit.*

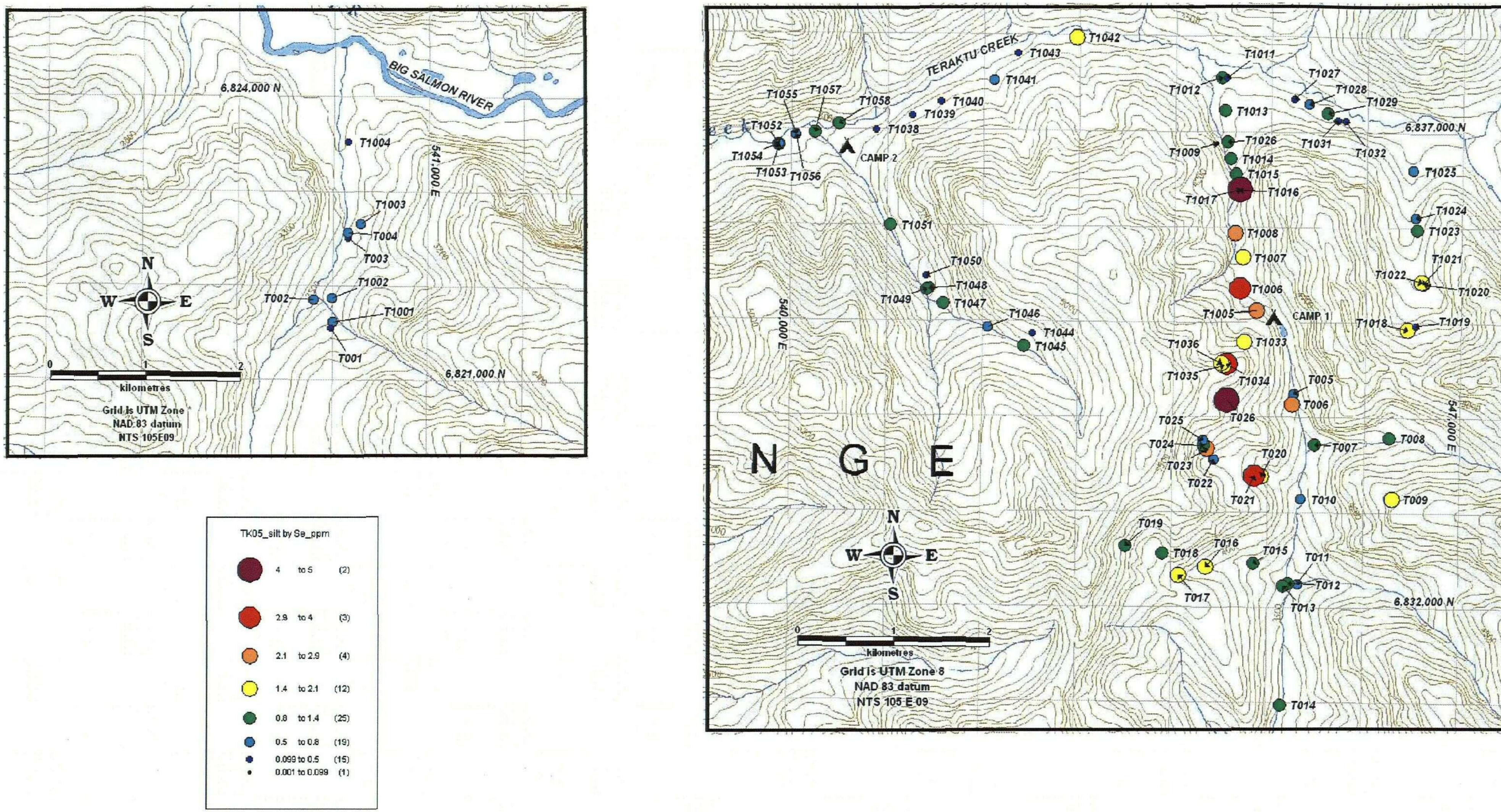


Figure 27 Selenium in stream sediments. Se follows Mo, Ag, V etc. west of DFZ

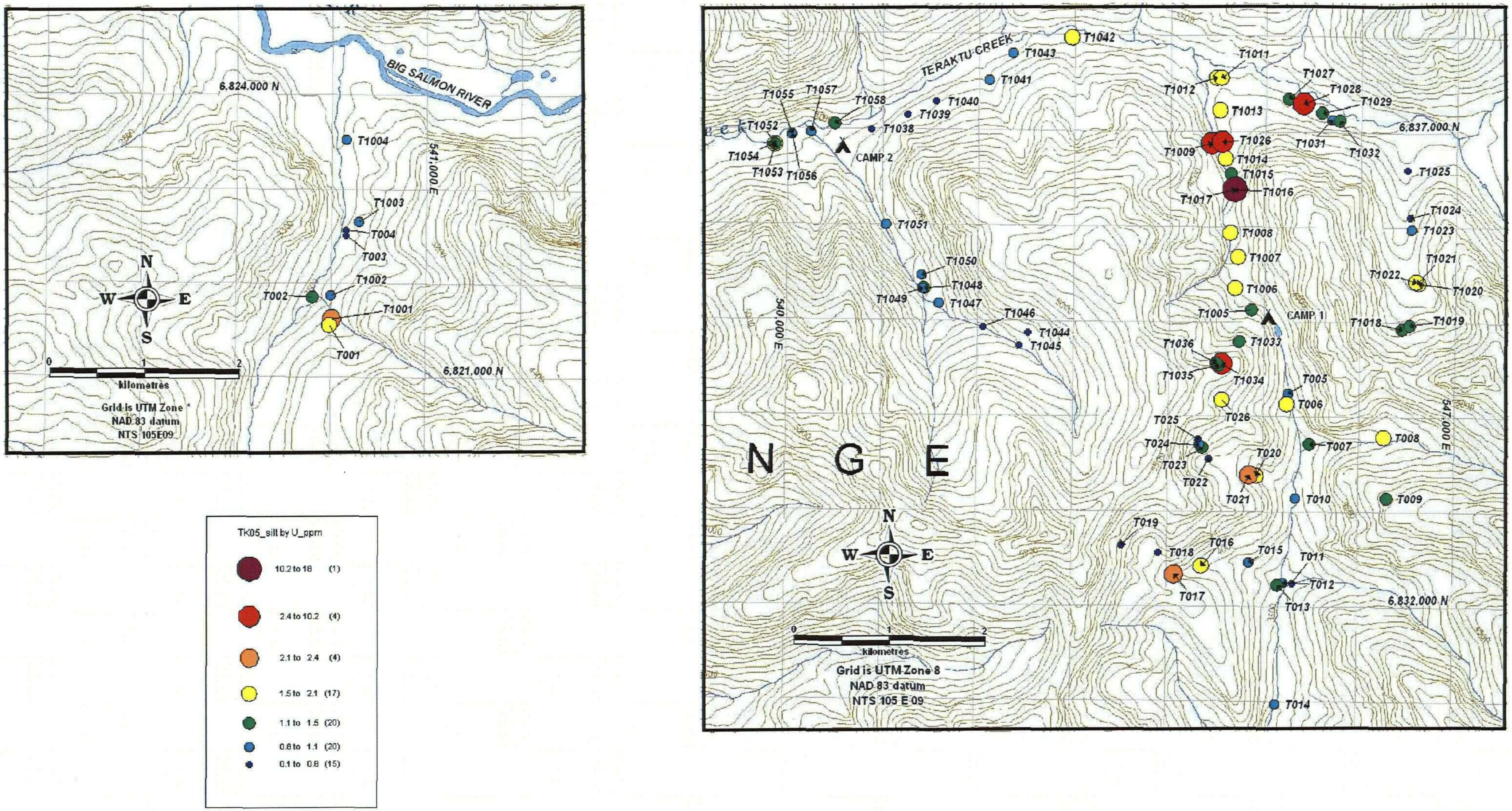


Figure 28 Uranium in stream sediments. U also follows the northerly trend of V, Se, Mo etc. but the trend for U is less striking. A weakly anomalous sample south of Teraktu Creek at 545,300 E is coincident with a Cu anomaly that appears to arise from mafic rocks in the DFZ.

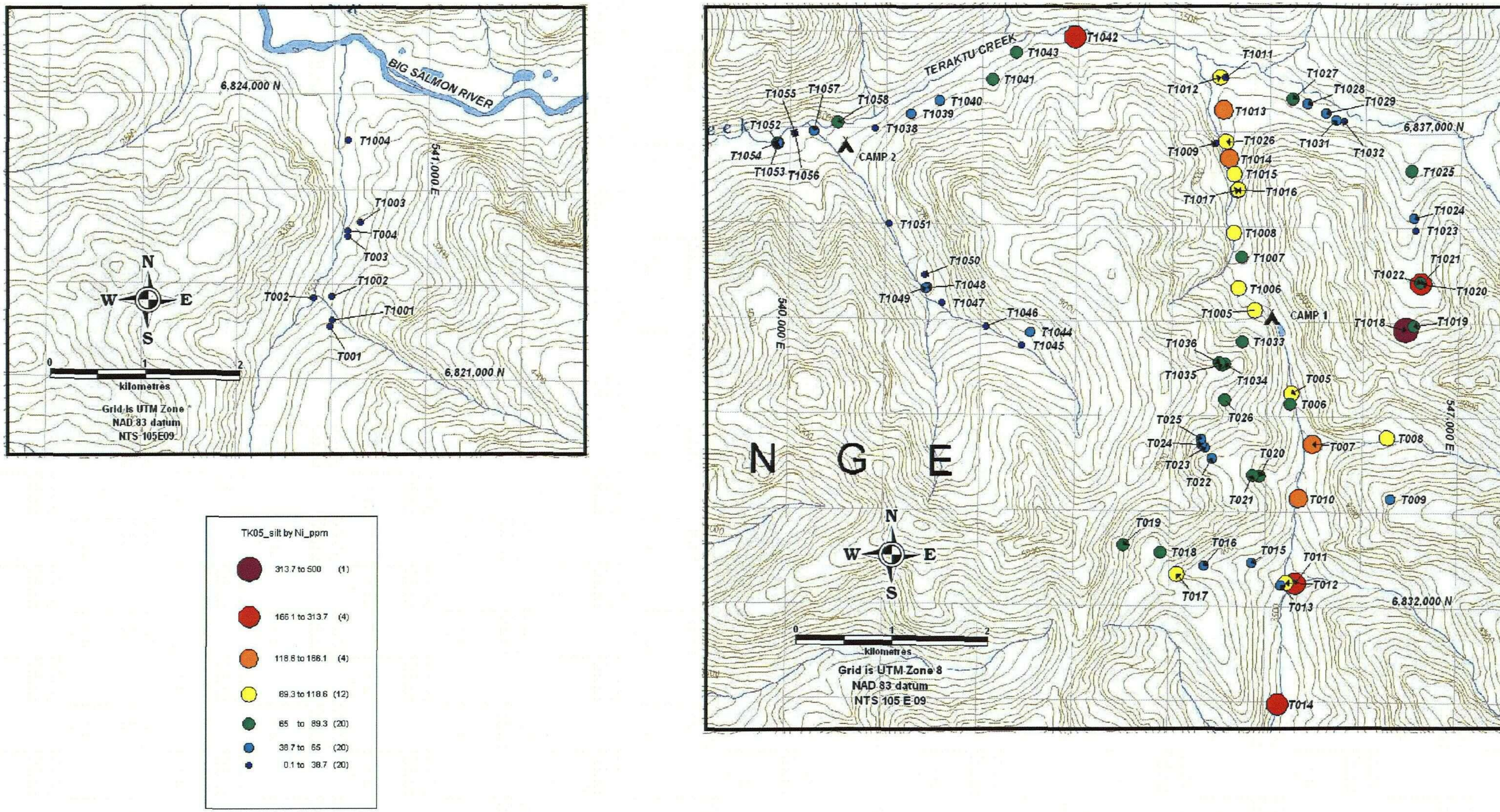


Figure 29 Nickel in stream sediments. As might be expected Ni and Cr are high in the upper reaches of the eastern tributary to Teraktu Creek where mafic and ultramafic rocks crop our but the values drop off rapidly downstream. Cu shows a similar pattern in the north flowing creek but does not follow Ni and Cr in the south flowing creek along the west side of DFZ..

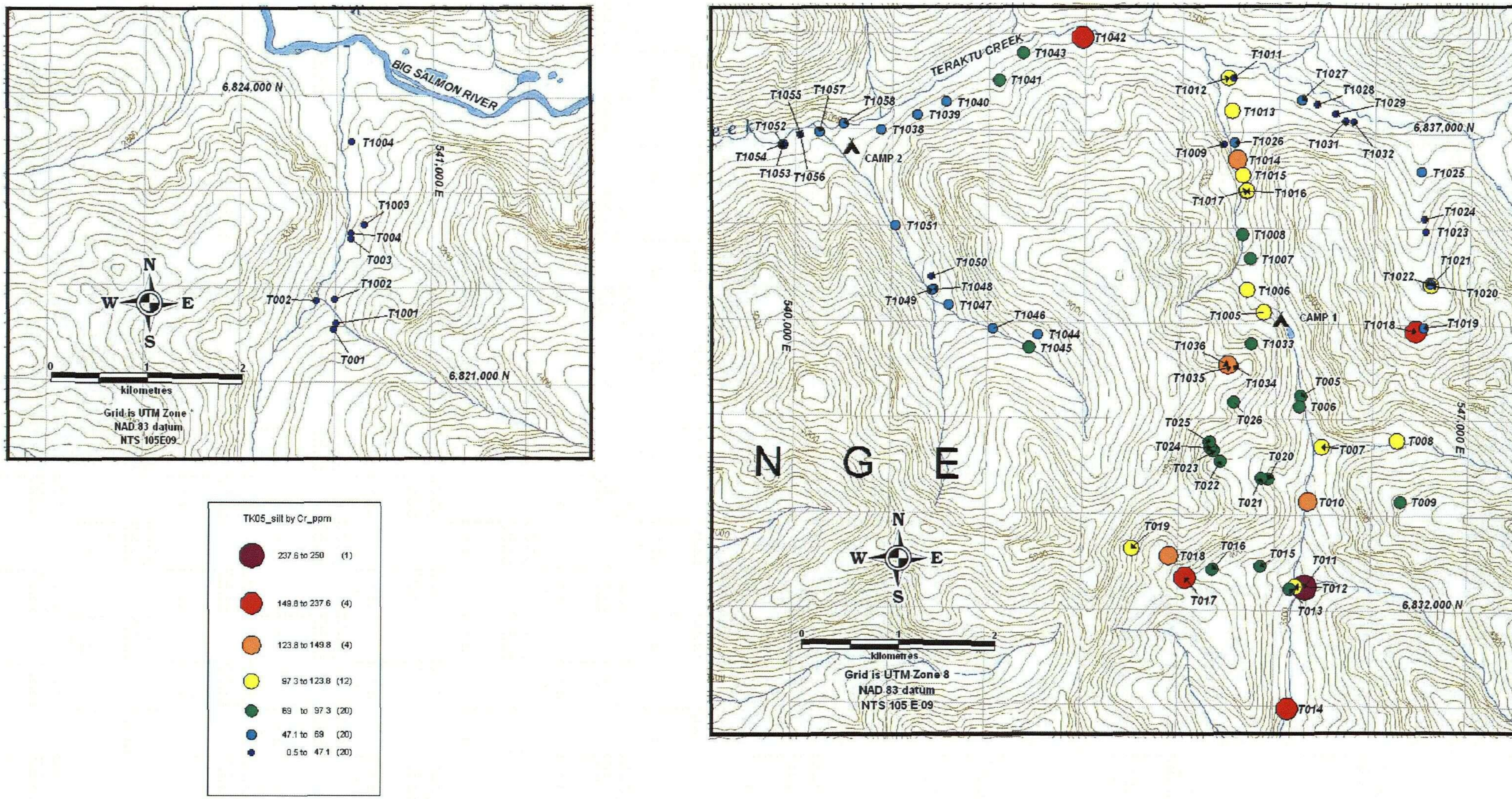


Figure 30 Chromium in stream sediments. Cr generally follows Ni as noted already and is likely sourced in the mafic / ultramafic unit. Cr (but not Ni) is also moderately high in the east flowing creek at 6,832,500 N which drains the area where a listwanite sample was collected (see figure 34 – sample T029R) although that sample reported only slight Cr response. The isolated high Cr sample in the north central area (which is associated with high Ni) could have a similar source.

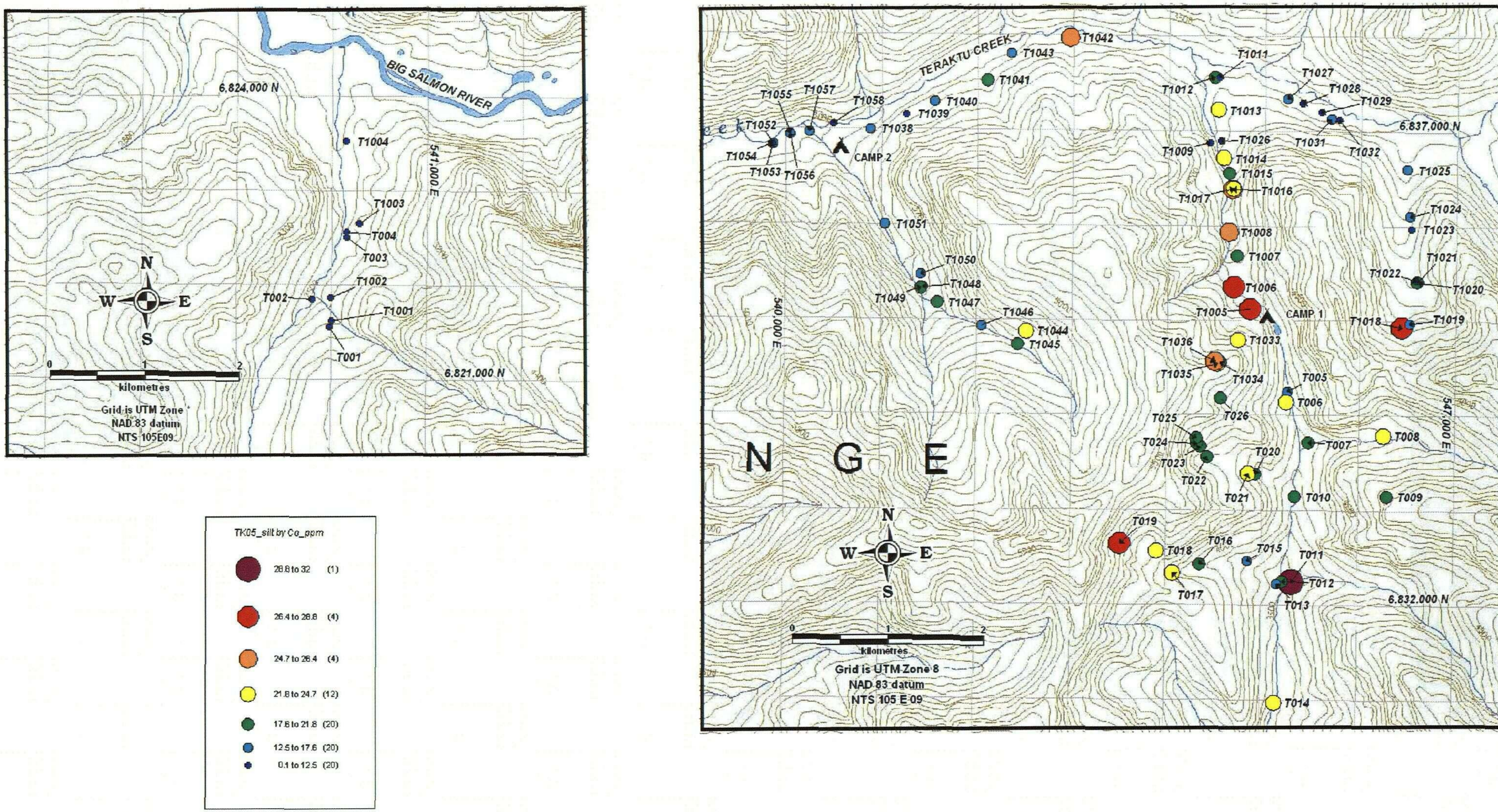


Figure 31 Cobalt in stream sediments. Co shows a tendency to follow Ni and Cr below the mafic / ultramafic rocks in the DFZ but more strongly follows the suite of elements high west of DFZ and associated with carbonaceous phyllite.

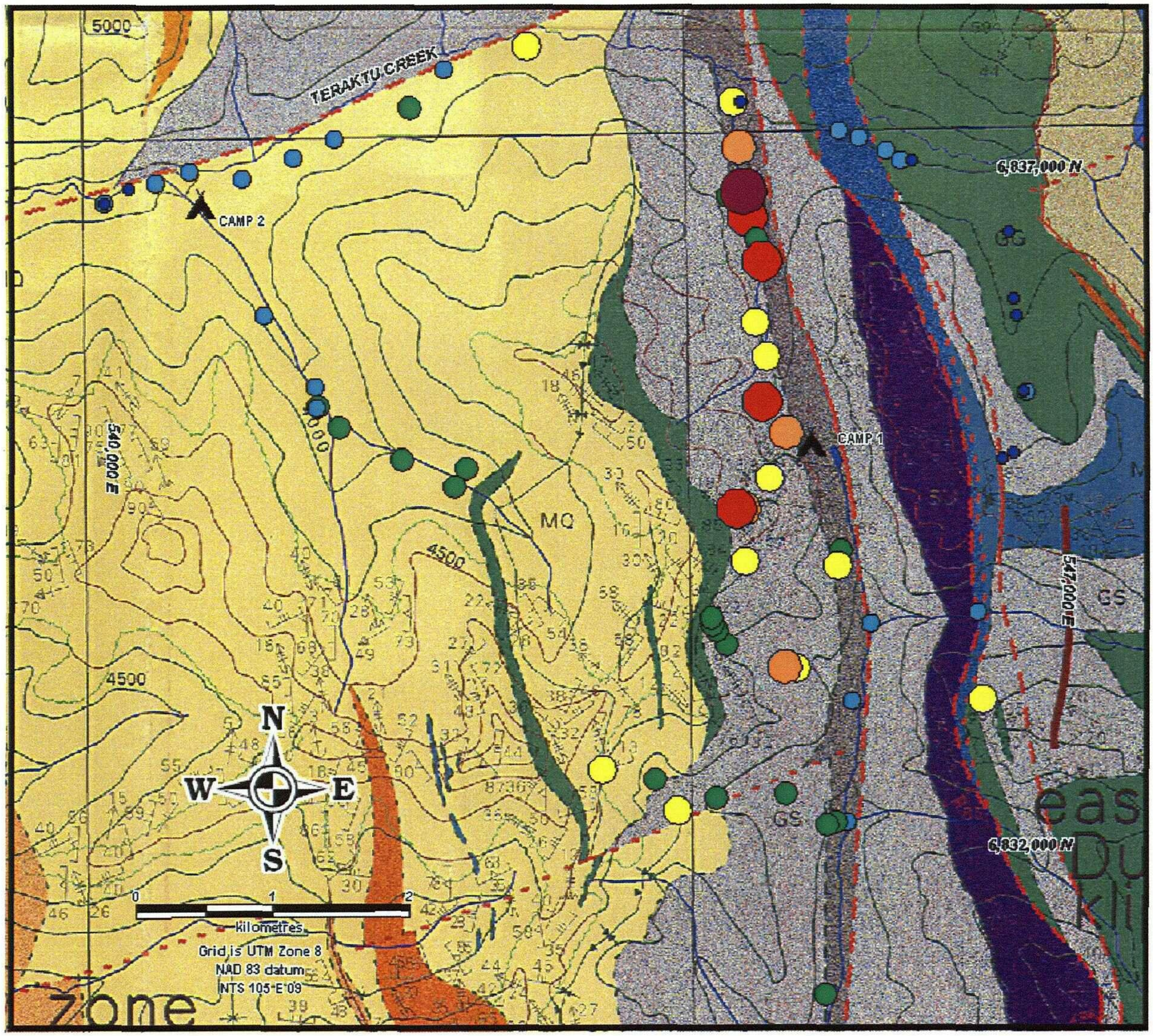


Figure 32. Silt sampling results for Vanadium shown symbolically on the geological base of de Keijzer (2000, plate 1). Symbols and map outline are the same as those of the north part of figure 26. See figure 6 for the legend of geologic units. The grey unit (GS) corresponds to the carbonaceous siliceous phyllite noted above and the spatial association with the higher population of V samples is clear. It is also clear that unit GS east of DFZ does not give rise to comparable V anomalies.

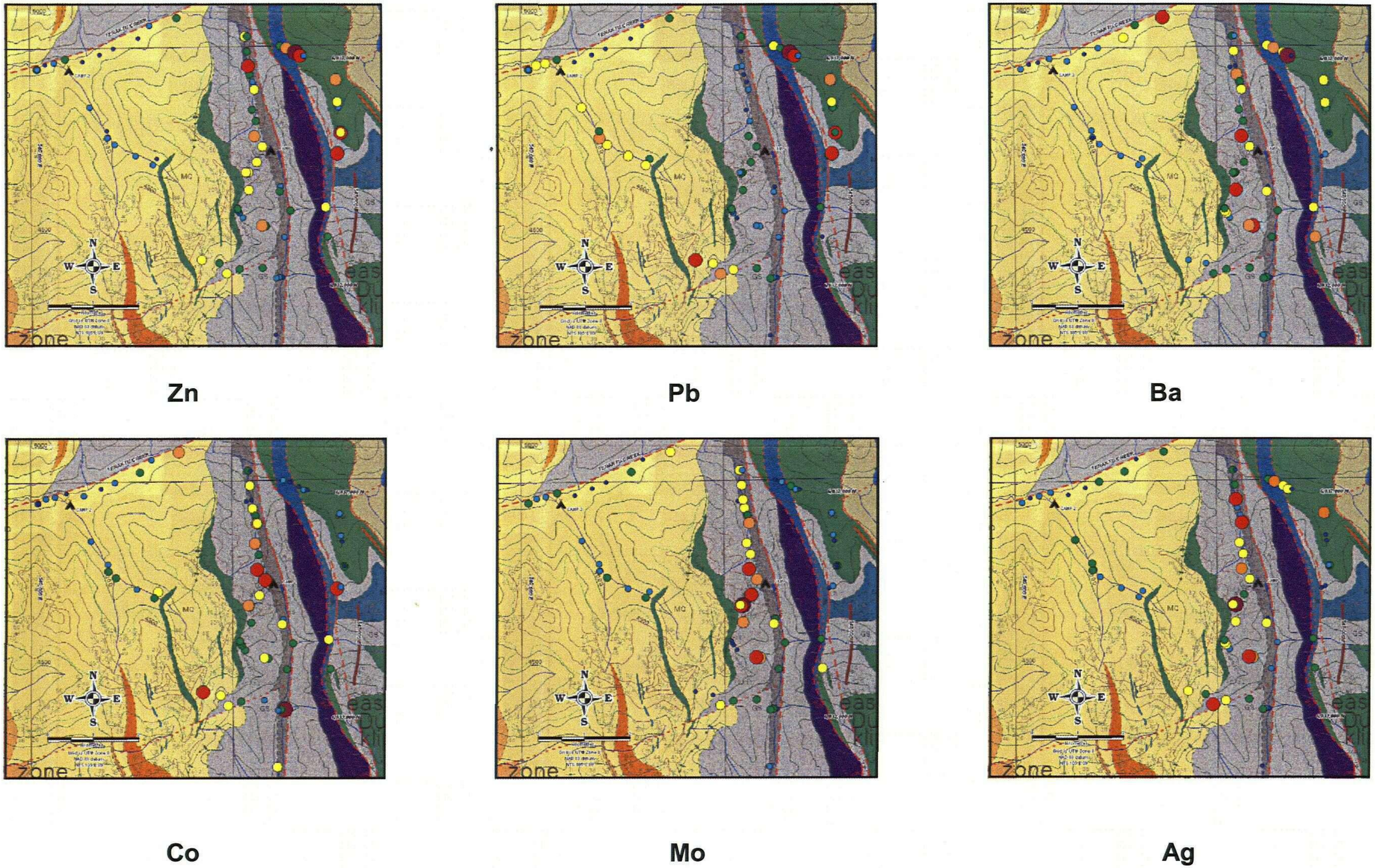


Figure 33 Thumbnail maps showing the correlation of various elements with the carbonaceous unit and / or the D'Abbadie fault zone. The area shown is the same as that of figure 32 and the symbols are the same as the comparable silt map for each element shown scaled down with the map. The association of Mo, Ag and Co with unit GS west of DFZ is clear as is the different response for Pb and the tendency for Zn to show both characteristics.

Rock Geochemistry

Rock geochemical sample locations are shown on figure 34 and are presented in table form in Appendix V.

The vein quartz samples are all very low in trace metals only 2 samples show slightly elevated Cu, Ni and / or Ag values. These quartz vein samples contained minor visible sulphide, mainly pyrite. There is no noticeable geochemical distinction between the white bull quartz (VQ) and the grey / white mottled vein quartz (VQm).

Two lithologies stand out for their elevated trace metal values: SCP (blocky pyrite and pyrrhotite bearing dark grey to black quartzite bands in the carbonaceous phyllite unit) and CS (blocky suspected biotitic calc-silicate bands in foliated biotitic amphibolite). SCP is high in Mo (15-60 ppm), Cu (40-155 ppm), Ag (700-800 ppb), V (195 – 412 ppm), Se (5 – 11 ppm) and Al (1.5 – 5.7 %). CS is high in Cu (130-300 ppm), Ag (250-740 ppb) and V 108-222 ppm). Both these rocks are associated with unit GS west of DFZ and show a similar element suite as the anomalous silt samples that drain unit GS. These results support the notion that the carbonaceous unit is the source rock of the distinctive anomalous suite in creeks draining it.

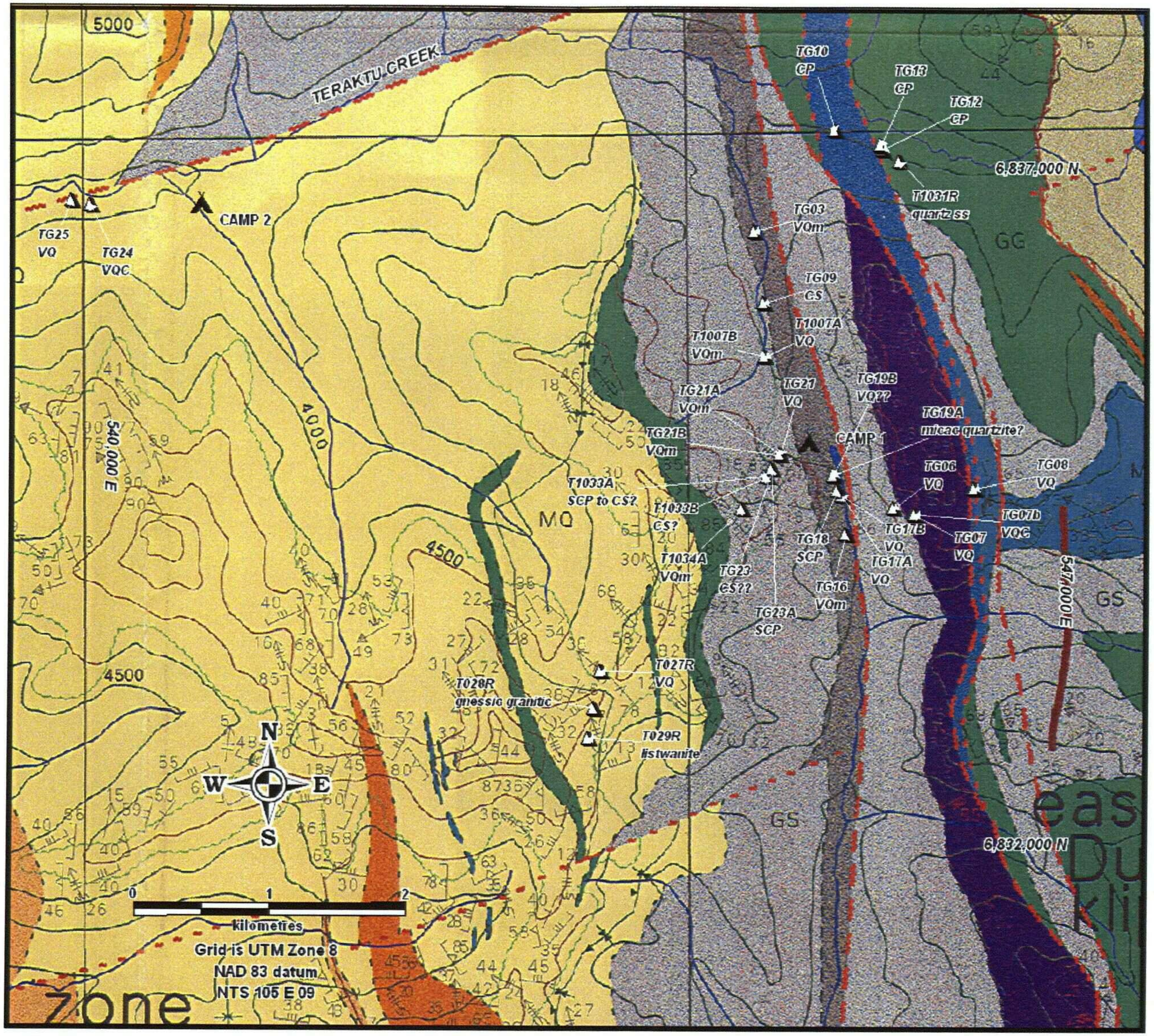
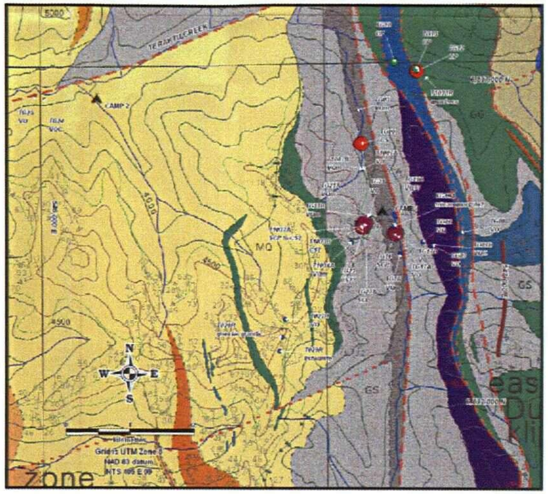
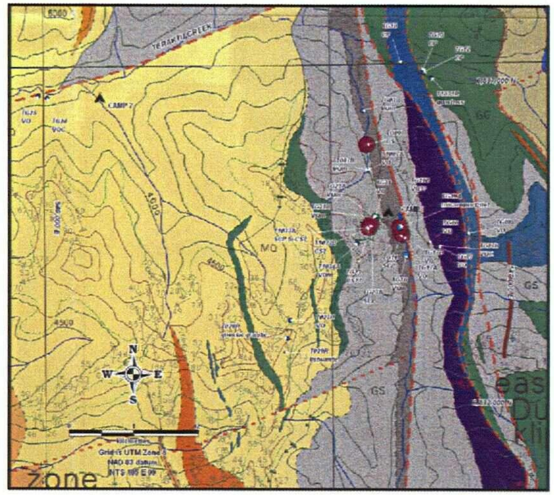


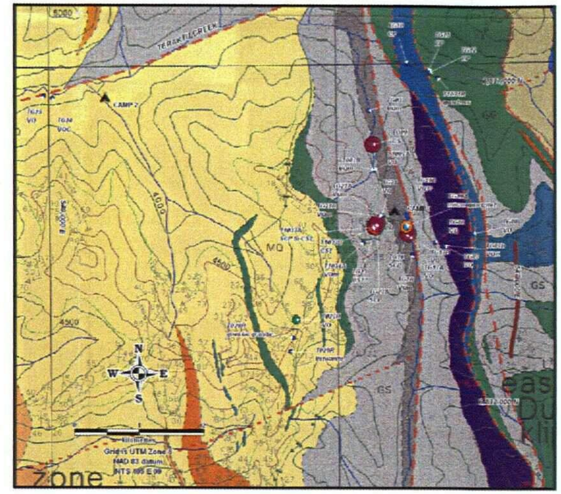
Figure 34 Locations of rock samples analyzed geochemically. Base map is a portion of Plate 1 from de Keijzer (2000). See figure 6 for an explanation of geologic units and symbols. Results provided in Appendix V and shown symbolically for selected elements in Figure 35 following. Abbreviations for rock types below sample numbers are VQ = white vein quartz, VQm = grey and white mottled vein quartz, SCP = siliceous bands in carbonaceous phyllite unit, CS = calc-silicate bands, CP = chloritic phyllite / amphibolite.



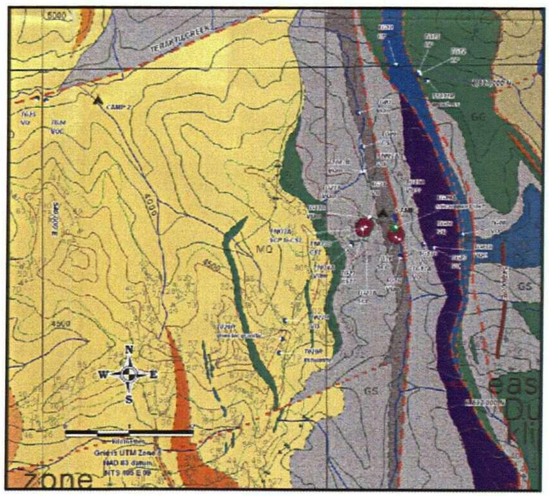
V



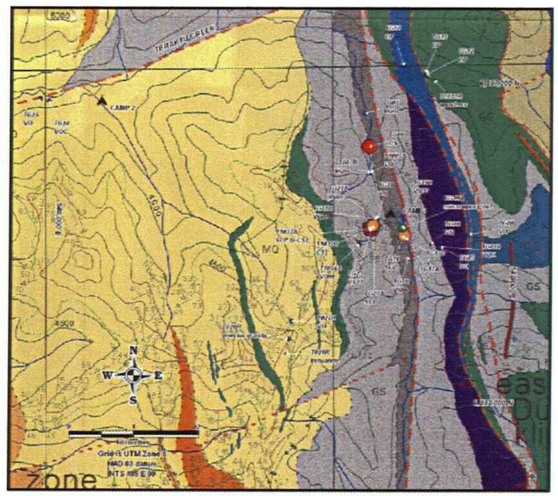
Se



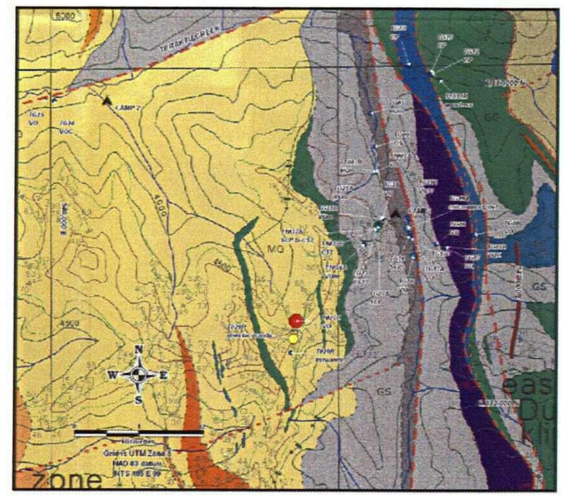
Ag



Mo



Bi



Au

Figure 35 Thumbnail maps showing results for rock geochemical analyses for selected elements. Area of map and geological units are the same as figure 35. The thematic colours and symbols are the same as for the silt sample maps for each element. Samples from the carbonaceous unit show results comparable to the silt results in the suite of metals but with stronger values suggesting the carbonaceous unit is the source of the silt anomalies. The lone elevated gold rock sample is in the south central area where silts are elevated in Au also.

Cost Summary

A detailed tabulation of project costs and copies of invoices are provided in Appendix I. A summary is provided in the table below.

	Amount
Ground Transportation	357.22
Personnel	5800.00
Living expenses	980.00
Helicopter	10,985.13
Analytical cost	3146.90
Report Preparation	900.00
Other Costs (equipment rental)	125.00
total	**$22,294,25**

For the number of samples collected these costs are very high. This relates to constraints on available field time of project participants and the significant investment in potential field time to logistics of camp establishment as well as some time lost to weather. Most importantly the high cost of helicopter access compared to the limited useful work that could be completed on each trip.

Conclusions and Recommendations

The results of stream sediment sampling are interpreted to reflect the presence of a Mo, Ag, V, Se, U, Cd > Cu, Bi, Co and Ba enriched carbonaceous siliceous phyllite unit west of the d'Abbadie fault zone. The unit appears to offer no potential for economic deposits of any of these metals as contained values in the most sulphide rich specimens collected are low.

A moderate to weak, coincident Au, Sb and Bi anomaly associated with the d'Abbadie fault zone and a possible dyke in the eastern margin of the project area may be worth follow-up but only if in the area for other reasons.

Other anomalies, while unexplained, appear to offer little potential due to low metal values and follow-up would be mainly a matter of curosity.

The area proved to be quite expensive to work in largely due to expensive helicopter access and difficult logistics. The main target area was not completely investigated as the project was terminated early when it became clear that costs would be prohibitive.

While the gold and pathfinder RGS anomalies that prompted interest in the area remain unexplained and intriguing, further work is not recommended as there are many other equally interesting targets that are ground accessible in Yukon that can be investigated on a far smaller budget.

Respectfully submitted,

G. A. Jilson & Associates Inc.

Gregg Jilson

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APPENDIX I

Summary of Costs and Invoices

Teraktu Creek Project - 2005 Field Program - Summary of Costs

(All amounts excluding GST)

	units				unit cost		amount	
Transportation								
September trip			744	km.	$	0.48	/km	**$ 357.22**
Personnel								
August trip (Aug.14 - 21 incl.)								
G. Jilson			8	days	$	300.00	/day	$ 2,400.00
D. Brownlee			8	days	$	200.00	/day	$ 1,600.00
September trip (Sept 5 - 10 incl.)								
G. Jilson			6	days	$	300.00	/day	$ 1,800.00
J. Lacoste			6	days	$	-	/day	$ -
sub-total								**$ 5,800.00**
Living Expenses								
July trip	2	x	8	days	$	35.00	/day	$ 560.00
September trip	2	x	6	days	$	35.00	/day	$ 420.00
sub-total								**$ 980.00**
Helicopter								
Trans North Helicopters								
36084 -- Aug. 14					$	4,401.60		$ 4,401.60
37300 -- Aug. 21					$	2,090.76		$ 2,090.76
37070 -- Sep. 05					$	1,556.52		$ 1,556.52
35744 -- Sep. 10					$	2,936.25		$ 2,936.25
sub-total								**$ 10,985.13**
Analytical Costs								
Acme Analytical Laboratories Ltd.								
A505237					$	2,451.15		$ 2,451.15
A508004					$	568.70		$ 568.70
Greyhound (shipping)					$	127.05		$ 127.05
sub-total								**$ 3,146.90**
Report Preparation								
G. Jilson			3	days	$	300.00	/day	**$ 900.00**
Other Costs								
GPS - per rate sheet @ 25%			2	wks	$	150.00	/wk	$ 75.00
Satellite Phone - per rate sheet @25%			1	mo	$	200.00	/mo	$ 50.00
sub-total								**$ 125.00**
					Total			**$ 22,294.25**

APPENDIX II

Certified Geochemical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A505237 Page 1
38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %
G-1	.65	2.31	2.36	38.8	9	6.1	3.5	473	1.61	.1	2.2	.5	4.1	52.4	.01	.02	.06	31	.43
T001	1.33	21.83	9.37	59.8	97	29.0	9.3	386	1.92	10.2	1.5	3.5	6.4	111.9	.36	.53	.27	33	3.98
T002	1.35	19.22	7.65	60.2	106	24.2	8.2	371	1.66	6.1	1.3	2.4	5.4	48.0	.46	.49	.22	34	1.80
T003	.55	12.85	6.65	46.0	58	18.4	6.1	183	1.35	5.4	.6	1.9	4.3	39.2	.21	.29	.17	25	1.12
T004	.58	16.23	8.10	54.2	80	20.3	7.6	270	1.59	15.2	.7	18.0	4.0	45.6	.28	.26	.18	29	1.15
T005	1.81	53.13	6.04	95.4	85	118.0	15.2	513	2.47	5.2	1.0	1.7	1.0	22.4	.58	.55	.19	62	.49
T006	4.35	68.71	9.77	154.9	255	73.4	21.8	597	3.67	5.9	1.7	2.0	2.5	39.2	1.76	.43	.43	103	.75
T007	1.56	83.84	10.36	118.7	129	118.6	19.4	487	2.61	10.3	1.1	93.2	1.7	25.7	.67	1.26	.54	47	.48
T008	2.40	110.07	15.83	211.2	169	113.0	23.0	712	2.86	13.4	1.8	17.8	1.6	26.5	.83	1.95	1.17	49	.42
T009	3.02	51.61	6.62	113.9	219	60.5	20.0	473	3.41	4.5	1.1	11.5	3.8	45.7	1.14	.50	.36	94	.86
T010	1.31	61.85	8.18	101.4	109	130.2	18.6	444	2.51	7.8	.8	10.1	1.8	23.3	.59	.98	1.27	47	.45
T011	.46	64.71	2.68	38.8	40	268.5	30.9	401	2.63	6.8	.4	1.7	.9	18.5	.23	.47	.15	47	.44
T012	1.73	59.04	7.93	105.1	114	114.4	19.2	497	2.70	7.4	1.0	7.1	2.1	28.6	.79	.90	.30	57	.53
T013	1.84	43.79	13.07	109.8	205	52.1	16.1	506	2.91	10.0	1.2	3.1	3.1	33.4	1.03	.45	.17	72	.74
T014	1.06	55.18	5.63	71.6	88	166.1	22.6	398	2.65	6.5	.9	4.2	1.6	24.6	.51	.65	.22	54	.52
T015	1.81	43.94	14.66	111.2	215	52.5	16.7	533	2.93	9.0	1.0	4.1	3.1	33.9	1.09	.44	.17	72	.74
T016	2.40	51.63	18.16	127.7	256	60.3	19.2	692	3.29	17.5	1.5	5.7	2.7	36.1	1.32	.49	.18	80	.85
T017	2.90	55.02	28.80	162.7	349	94.9	22.7	807	3.71	19.2	2.1	4.6	2.0	35.7	2.88	.54	.18	93	.77
T018	.70	65.49	16.94	114.2	149	67.2	22.7	775	3.51	7.3	.6	6.0	1.6	22.3	.83	.41	.13	87	.74
T019	.43	77.43	60.33	161.8	298	70.2	26.7	1012	4.33	22.6	.3	10.0	1.3	28.9	.84	.46	.22	95	.67
T020	4.55	75.54	8.38	141.5	306	67.3	21.5	529	3.38	4.8	1.6	2.6	3.8	59.3	1.13	.60	.62	101	1.91
T021	7.13	84.92	9.79	222.6	483	79.1	22.1	656	3.81	5.6	2.3	3.3	4.4	81.9	3.53	.63	.47	111	.95
T022	.83	53.77	6.94	87.7	136	43.4	18.9	677	3.12	3.6	.7	12.1	.9	26.0	.51	.31	.24	83	.73
T023	.68	85.09	7.68	85.1	303	45.4	20.9	652	3.21	6.9	1.4	12.7	1.1	45.1	.67	.58	.13	75	1.08
T024	.66	49.07	9.87	100.3	255	42.6	21.7	1113	3.59	5.4	1.0	89.9	1.8	24.4	1.08	.45	.15	82	.75
T025	.65	85.57	12.06	143.1	211	43.5	17.6	611	3.35	2.0	.4	10.0	1.6	18.7	1.29	.28	.28	76	.60
T026	5.49	61.18	11.30	186.5	262	71.8	21.4	786	3.65	7.1	1.6	2.2	1.5	28.6	2.85	.53	.25	99	.59
T027	.70	7.97	7.75	35.9	42	16.2	6.7	256	3.33	7.4	5.1	1.0	47.2	26.0	.17	.33	.32	75	.86
T1001	.84	16.93	8.92	55.5	83	21.5	7.8	290	1.75	10.6	2.2	16.3	4.7	71.2	.31	.33	.23	32	1.79
T1002	1.21	17.06	7.05	44.2	111	21.6	7.7	344	1.26	7.2	.9	1.2	3.4	52.8	.35	.45	.18	23	1.89
T1003	1.30	17.77	6.88	45.0	125	21.9	8.3	367	1.21	5.3	1.0	2.9	3.1	42.8	.43	.45	.18	24	1.68
T1004	1.26	14.87	5.93	41.9	99	19.7	7.0	285	1.17	4.9	.9	1.1	3.3	48.9	.34	.41	.19	23	1.88
T1005	5.78	85.55	12.57	190.8	302	96.7	26.7	774	4.15	11.8	1.3	4.2	3.2	37.7	2.09	.41	.45	111	.72
T1006	6.54	85.83	10.83	259.3	338	92.8	28.3	866	4.52	10.0	2.0	3.3	5.1	52.6	2.91	.37	.78	129	.88
RE T1006	6.12	82.92	10.17	251.0	314	89.3	27.2	845	4.36	9.3	1.9	3.3	4.6	51.5	2.85	.32	.75	124	.85
STANDARD DS6	11.49	122.18	29.80	141.8	278	24.5	10.8	704	2.81	20.8	6.7	48.3	3.0	39.7	6.14	3.48	5.10	56	.85

SAMPLE#	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
G-1	.080	6.9	69.2	.50	162.9	.097	1	.83	.054	.42	<.1	1.9	.30	<.01	<5	<.1	<.02	4.0	30.0
T001	.098	18.4	24.3	.88	104.1	.047	1	1.00	.018	.19	1.0	2.3	.13	<.01	8	.3	<.02	3.1	30.0
T002	.125	16.0	22.8	.68	109.2	.051	<1	.77	.013	.13	1.0	2.1	.10	<.01	7	.5	<.02	2.6	30.0
T003	.087	13.9	16.6	.50	61.2	.036	1	.70	.015	.10	.7	1.6	.08	<.01	11	.1	<.02	2.3	30.0
T004	.084	14.3	19.6	.60	58.4	.039	1	.95	.019	.12	.7	1.9	.10	<.01	11	.5	<.02	2.9	30.0
T005	.084	8.8	95.4	1.20	109.2	.054	1	1.37	.014	.05	<.1	2.3	.09	<.01	19	.6	.03	4.0	30.0
T006	.093	13.1	82.2	1.54	274.5	.095	1	2.27	.030	.32	.2	5.5	.34	.01	16	2.2	.05	7.6	30.0
T007	.077	7.1	114.1	1.31	226.1	.058	2	1.02	.007	.04	.2	2.7	.07	<.01	43	1.1	.06	2.8	30.0
T008	.081	8.1	107.3	1.22	273.6	.054	2	1.11	.005	.05	.1	2.8	.14	<.01	68	.8	.10	3.1	30.0
T009	.122	12.8	74.9	1.41	289.4	.093	2	1.87	.043	.30	.3	5.3	.28	.02	13	1.4	.05	6.1	30.0
T010	.079	7.1	124.3	1.30	214.0	.054	2	.96	.008	.04	.2	2.5	.06	<.01	27	.7	.03	2.7	30.0
T011	.052	3.3	245.4	2.95	90.8	.078	4	1.02	.007	.03	<.1	3.4	.02	<.01	10	.5	.03	2.8	30.0
T012	.091	8.3	116.5	1.32	233.7	.066	1	1.14	.015	.09	.1	3.0	.10	<.01	22	.9	.05	3.4	30.0
T013	.095	13.7	75.5	1.39	225.4	.083	1	1.90	.028	.25	.3	4.9	.22	<.01	16	1.0	.02	5.9	30.0
T014	.075	6.1	164.0	1.94	156.4	.063	2	1.07	.012	.07	.1	3.1	.07	<.01	15	.9	.02	3.0	30.0
T015	.090	13.7	79.1	1.45	237.5	.084	1	1.95	.028	.27	.3	5.0	.22	<.01	15	1.0	.02	6.0	30.0
T016	.084	14.2	90.4	1.68	236.6	.088	2	2.12	.025	.26	.2	5.6	.23	.01	25	1.7	.03	6.5	15.0
T017	.067	13.6	149.8	2.32	222.9	.110	1	2.59	.013	.23	<.1	7.7	.22	<.01	20	2.0	.02	7.8	30.0
T018	.075	12.6	129.4	2.41	197.3	.109	1	2.43	.010	.27	<.1	6.2	.14	<.01	23	1.0	.02	6.9	30.0
T019	.067	6.9	120.3	2.51	137.8	.084	1	2.38	.005	.19	.1	8.9	.14	<.01	46	.8	.04	7.6	30.0
T020	.102	13.7	71.3	1.67	473.9	.090	1	2.12	.034	.32	.1	5.6	.38	<.01	16	1.5	.04	6.8	30.0
T021	.093	17.2	70.5	1.49	312.9	.082	2	2.62	.071	.41	.1	6.0	.52	.04	22	2.9	.08	8.0	30.0
T022	.065	7.3	78.1	1.78	169.8	.082	1	2.21	.014	.20	.1	5.0	.19	.02	21	.5	.02	6.8	30.0
T023	.089	18.0	75.4	1.55	268.6	.079	1	1.96	.013	.26	<.1	6.4	.30	.06	98	2.4	.04	6.0	7.5
T024	.086	20.2	75.6	1.92	254.3	.089	1	2.13	.011	.40	<.1	7.8	.26	.05	53	1.3	<.02	7.0	30.0
T025	.078	15.2	73.4	1.90	228.5	.096	1	2.06	.010	.27	<.1	6.0	.14	.02	36	.5	.02	6.3	15.0
T026	.068	17.3	94.0	1.58	322.4	.065	1	2.19	.011	.20	.2	4.6	.32	.01	15	4.0	.05	6.9	15.0
T027	.289	99.4	24.8	.39	108.7	.035	4	.74	.013	.06	.7	1.8	.05	<.01	<5	.2	<.02	3.7	1.0
T1001	.092	14.7	20.4	.60	68.3	.043	1	.98	.026	.14	3.7	2.2	.12	.02	8	.6	.02	3.2	30.0
T1002	.090	10.0	15.2	.49	91.2	.031	1	.55	.011	.08	.5	1.5	.07	.04	7	.5	.02	1.8	30.0
T1003	.076	8.9	14.7	.50	89.3	.032	<1	.54	.009	.09	.3	1.5	.08	.04	<5	.6	<.02	1.8	30.0
T1004	.089	9.6	14.4	.50	84.5	.035	1	.54	.010	.08	.4	1.5	.07	.04	8	.4	<.02	1.7	30.0
T1005	.105	13.6	105.9	1.97	284.1	.103	1	2.44	.029	.37	.2	6.9	.36	.05	10	2.4	.08	7.9	30.0
T1006	.117	19.7	97.3	1.94	358.1	.120	1	2.88	.059	.59	.5	7.7	.59	.05	20	3.5	.09	9.7	7.5
RE T1006	.110	18.5	94.0	1.89	340.8	.116	2	2.78	.056	.57	.6	7.5	.55	.06	20	3.1	.05	9.4	7.5
STANDARD DS6	.079	14.6	162.9	.57	164.3	.081	18	1.90	.072	.15	3.4	3.4	1.72	.02	231	4.3	2.22	6.3	30.0

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data Lg FA ____ DATE RECEIVED: SEP 1 2005 DATE REPORT MAILED: Sept 20/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

G.A. Jilson & Associates Inc.   FILE # A505237

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm
T1007	4.40	73.56	10.31	148.5	250	77.5	20.5	549	3.82	9.9	1.7	2.8	3.1	45.4	1.73	.39	.51	104	.76	.101	15.0	91.9
T1008	3.37	71.76	6.94	133.9	232	97.0	26.0	727	3.89	10.6	1.5	3.4	3.0	39.6	1.59	.41	.46	101	.74	.100	12.8	95.8
T1009	.63	8.21	7.84	41.7	39	16.9	7.1	257	2.81	8.6	6.3	1.1	31.6	24.2	.16	.30	.85	57	.63	.200	69.4	22.1
T1010	1.29	55.06	5.57	93.0	153	163.3	24.2	531	3.12	3.5	.9	1.5	1.7	29.1	.78	.32	.18	101	.85	.108	8.4	136.5
T1011	.86	21.78	12.90	141.2	86	32.3	8.7	242	1.81	3.5	1.7	11.7	6.0	21.2	.45	.28	.22	28	.70	.107	19.0	23.6
T1012	3.30	58.18	6.54	157.1	151	116.8	21.5	533	3.75	9.7	1.5	2.4	2.8	30.7	2.24	.44	.34	100	.62	.127	9.1	112.3
T1013	3.17	61.61	6.71	149.4	159	118.7	23.0	523	3.78	7.9	1.9	1.7	3.1	34.4	1.99	.50	.39	106	.71	.132	10.9	120.3
T1014	2.69	72.05	5.94	112.9	137	137.2	24.2	519	3.80	5.5	1.5	3.1	2.6	33.8	1.00	.31	.33	112	.71	.131	8.9	128.1
T1015	2.52	61.89	5.47	91.4	119	116.6	20.0	410	3.37	5.3	1.1	1.5	2.6	33.0	.92	.45	.35	90	.70	.149	9.1	111.7
T1016	3.59	60.66	6.79	122.7	183	92.2	25.2	665	3.91	10.2	2.1	1.9	3.2	33.0	1.14	.38	.39	102	.64	.108	11.0	100.0
T1017	5.37	77.86	9.51	186.9	363	113.3	22.5	667	3.81	11.0	17.2	2.0	3.4	53.0	2.95	.94	.45	150	1.08	.112	15.0	106.2
T1018	.68	40.75	13.48	104.8	75	494.7	26.4	327	2.99	5.9	1.3	1.5	2.0	30.2	.57	.70	.27	26	1.20	.095	15.3	235.7
T1019	1.11	36.69	47.12	564.9	82	77.9	15.0	428	2.86	15.5	1.2	1.4	4.3	22.1	1.26	.77	.22	22	.97	.086	22.1	47.1
RE T1019	1.07	35.25	45.69	539.4	81	75.8	14.5	410	2.78	15.1	1.1	1.0	4.3	21.3	1.17	.75	.22	22	.93	.083	21.5	45.2
T1020	1.46	85.91	28.48	181.9	168	66.6	15.0	637	2.45	14.7	2.0	1.7	1.7	63.8	1.14	1.57	.34	41	5.99	.085	8.1	47.4
T1021	1.16	51.02	31.31	375.7	99	201.8	21.6	1442	3.20	14.0	1.4	1.7	3.1	31.5	1.67	.88	.31	32	1.30	.095	22.3	106.4
T1022	.80	53.29	14.76	159.5	120	85.0	10.5	370	1.95	6.8	1.5	1.5	1.2	54.2	.72	.77	.17	30	3.80	.086	11.5	53.6
T1023	.62	17.49	13.28	88.3	65	22.8	9.3	737	2.30	5.4	.8	1.5	2.9	24.3	.22	.30	.11	27	.54	.076	13.6	24.6
T1024	1.16	38.47	21.93	179.4	90	63.1	16.3	2399	3.63	13.6	.7	1.3	2.5	35.5	1.05	.69	.23	30	1.42	.081	10.1	46.9
T1025	1.20	45.49	26.72	235.1	329	65.0	16.8	1418	2.72	11.0	.7	761.5	3.4	35.4	1.26	.94	2.01	33	1.55	.086	14.8	49.9
T1026	3.89	64.73	8.66	346.1	416	89.3	9.1	234	1.74	7.2	8.5	1.0	1.8	37.6	2.54	2.02	.16	185	.76	.081	11.0	51.5
T1027	.81	96.28	20.27	131.2	146	65.4	16.1	346	2.39	6.5	1.3	2.4	2.4	19.6	.39	.39	.20	40	.58	.069	15.0	66.4
T1028	1.18	220.61	15.70	246.6	330	54.9	10.7	226	2.23	4.9	4.5	3.0	3.5	22.0	.76	.40	.25	36	.60	.073	20.8	31.0
T1029	1.40	54.91	93.08	1057.6	237	51.9	11.4	439	2.34	19.2	1.3	1.2	3.9	29.1	1.50	.76	.35	34	.77	.091	18.3	42.6
T1030	.61	8.01	7.95	42.3	34	16.3	6.5	256	2.84	7.8	5.5	1.1	36.2	24.9	.15	.30	.52	59	.63	.198	76.0	22.4
T1031	1.25	55.96	92.24	773.1	299	64.3	14.0	459	2.89	30.9	1.0	3.1	4.0	30.0	1.18	2.12	.41	37	1.75	.082	20.0	47.0
T1032	.66	18.78	10.36	92.9	57	28.3	7.8	244	1.64	2.4	1.4	1.0	6.9	19.1	.29	.24	.21	22	.71	.102	20.2	19.9
T1033	6.31	73.08	12.43	163.3	229	82.6	22.7	712	3.99	12.4	1.3	2.3	3.5	33.6	1.77	.40	.30	95	.57	.103	13.2	97.0
T1034	9.46	73.02	12.45	209.2	545	79.3	20.6	984	4.30	12.8	2.4	5.7	4.5	38.1	1.79	.58	.57	105	.37	.088	22.3	63.9
T1035	6.98	67.02	13.42	156.7	219	75.6	22.0	653	3.83	13.8	1.2	4.7	3.3	27.5	1.26	.40	.16	80	.54	.144	12.4	91.9
T1036	4.09	84.01	10.39	157.1	236	75.3	24.7	825	4.44	7.7	1.1	2.9	2.7	30.4	1.36	.52	.21	113	.69	.094	13.7	123.8
T1037	.66	8.62	7.98	45.6	35	17.3	6.9	263	2.76	7.7	6.8	.9	33.1	25.5	.16	.28	.30	54	.63	.181	74.0	22.5
STANDARD DS6	11.49	122.89	29.79	141.4	279	24.8	10.8	705	2.82	20.3	6.7	47.5	3.0	39.8	6.12	3.55	5.12	56	.85	.078	14.5	165.5

SAMPLE#	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
T1007	1.77	247.3	.098	1	2.47	.038	.34	.2	6.2	.39	.02	21	1.7	.06	7.9	30.0
T1008	1.70	239.8	.112	1	2.30	.031	.38	1.2	5.4	.33	.04	14	2.1	.06	7.2	30.0
T1009	.47	78.1	.043	<1	.89	.012	.07	1.5	2.0	.06	<.01	<5	<.1	<.02	3.8	15.0
T1010	1.87	269.9	.125	2	1.76	.026	.28	.1	5.2	.20	.01	26	.6	.06	6.1	30.0
T1011	.79	133.7	.055	<1	.90	.009	.13	.8	2.1	.13	.01	14	.4	.02	3.0	30.0
T1012	1.64	246.3	.083	2	1.68	.030	.37	.3	4.7	.27	.03	<5	1.0	.04	5.8	1.0
T1013	1.70	258.2	.108	1	1.83	.033	.38	1.0	5.1	.27	.02	13	1.3	.06	6.1	15.0
T1014	2.16	312.1	.124	1	1.99	.041	.54	.2	6.1	.31	.03	<5	.9	.03	6.9	7.5
T1015	1.61	244.2	.096	1	1.52	.032	.36	.6	4.8	.23	.02	9	.9	.06	5.1	30.0
T1016	1.75	222.3	.107	1	2.14	.030	.36	1.0	5.1	.29	.03	6	1.7	.06	6.7	7.5
T1017	1.92	248.2	.108	2	2.57	.058	.42	.8	6.1	.47	.04	18	4.0	.06	8.8	7.5
T1018	3.18	116.5	.019	6	.86	.008	.04	.1	2.4	.07	.05	33	1.7	.03	2.4	30.0
T1019	.75	201.1	.013	1	.95	.005	.04	<.1	1.5	.07	.01	18	.3	<.02	2.8	1.0
RE T1019	.72	203.7	.013	2	.92	.005	.04	<.1	1.4	.07	.01	23	.3	<.02	2.8	1.0
T1020	2.13	125.8	.044	3	.98	.006	.05	.2	2.9	.12	.05	73	1.0	.05	2.8	7.5
T1021	1.58	223.5	.026	1	1.09	.007	.04	.3	2.2	.09	.03	33	.6	.04	3.1	15.0
T1022	1.59	125.5	.032	2	.82	.010	.04	.2	2.8	.07	.07	46	1.8	<.02	2.5	15.0
T1023	.55	234.6	.032	1	.76	.007	.03	.1	1.6	.04	.07	20	.8	<.02	2.4	30.0
T1024	.90	284.8	.024	3	.72	.005	.02	1.1	1.8	.06	.04	36	.7	.02	2.2	1.0
T1025	1.11	249.1	.034	1	.87	.005	.04	.2	2.1	.08	.04	87	.6	.05	2.5	7.5
T1026	1.05	121.9	.070	1	1.47	.023	.12	.3	2.8	.22	.01	19	1.2	.02	5.1	30.0
T1027	.94	249.0	.029	1	1.40	.010	.07	.1	3.3	.10	<.01	37	.4	.03	3.9	30.0
T1028	.68	299.0	.065	1	1.41	.016	.14	.2	3.9	.18	.02	95	.6	.02	4.3	30.0
T1029	.78	268.1	.052	3	1.05	.012	.10	.5	2.8	.25	.01	86	1.2	.04	3.4	15.0
T1030	.45	77.7	.046	<1	.88	.012	.07	1.8	2.0	.06	<.01	5	.1	<.02	3.9	15.0
T1031	1.28	585.6	.031	1	.88	.006	.05	.5	2.9	.09	.01	44	.4	.05	2.7	30.0
T1032	.74	93.6	.053	<1	.82	.008	.14	.3	1.8	.12	<.01	9	.2	.02	2.7	30.0
T1033	1.83	240.7	.088	<1	2.20	.023	.29	<.1	6.0	.30	.03	7	1.8	.08	6.7	30.0
T1034	1.59	202.1	.094	1	3.32	.025	.44	.2	6.7	.60	.03	35	2.9	.11	10.5	30.0
T1035	1.62	212.7	.065	<1	1.81	.014	.20	<.1	5.1	.23	.02	<5	1.9	.06	5.7	30.0
T1036	2.49	222.0	.104	1	2.92	.015	.26	<.1	6.1	.24	.02	14	1.7	.06	8.6	30.0
T1037	.50	81.7	.049	<1	.95	.013	.08	2.2	2.0	.07	<.01	<5	.1	.02	3.9	7.5
STANDARD DS6	.57	164.0	.080	16	1.90	.072	.14	3.4	3.3	1.73	.02	234	4.2	2.22	6.2	30.0

Sample type: SILT SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A505238

38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
G-1	.62	1.96	2.33	45.7	11	6.6	4.2	546	1.74	.1	2.1	.8	3.7	49.2	<.01	.02	.06	34
TAS01	2.92	101.04	3.91	172.6	202	143.1	33.0	675	4.43	2.5	.8	2.3	1.7	37.8	2.82	.32	.13	181
TAS02	.85	38.19	3.81	51.8	79	299.6	27.2	615	3.22	2.8	.4	1.3	.4	14.0	.14	.26	.09	56
TAS03	1.42	76.48	5.89	80.2	71	268.8	54.6	1330	3.80	3.5	.4	2.8	.4	14.3	.24	.28	.08	74
STANDARD	11.30	122.50	28.76	141.5	270	24.5	10.7	703	2.81	20.6	6.4	45.6	2.7	39.9	6.01	3.01	4.92	56

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
G-1	.42	.073	6.8	72.6	.59	215.8	.118	1	.93	.054	.50	<.1	1.9	.40	<.01	<5	<.1	<.02	5.0	30
TAS01	1.42	.132	9.6	208.0	2.62	508.1	.217	2	2.94	.045	.88	.1	9.2	.43	.03	26	1.3	<.02	10.2	30
TAS02	.20	.055	4.0	358.2	4.38	91.1	.046	3	1.49	.010	.03	<.1	2.8	.05	.04	16	.2	.02	4.5	15
TAS03	.29	.063	4.1	302.2	2.85	110.5	.055	2	1.83	.008	.05	<.1	4.4	.09	.06	28	.4	.03	5.5	15
STANDARD	.85	.077	14.0	183.7	.57	163.0	.081	16	1.90	.072	.15	3.5	3.2	1.72	.02	230	4.4	2.24	6.2	30

Standard is STANDARD DS6.

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data f FA ____ DATE RECEIVED: SEP 1 2005 DATE REPORT MAILED: Sept. 26/05

BRITISH COLUMBIA CERTIFIED ASSAYER
C. L.
Clarence Leong

ACME AN TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A505239

38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Sample
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm
TG03	.22	9.36	3.55	1.4	30	1.3	.4	30	.28	1.3	<.1	1.1	<.1	1.0	.02	.15	.02	<2	.02	.001	<.5	10.7	.01	4.1	.002	1	.04	.007	.01	.2	.2	<.02	<.01	<5	.1	<.02	.1	30
TG06	.25	4.13	.30	11.4	4	5.4	2.1	176	.72	.2	<.1	.5	.1	5.5	.01	.04	<.02	6	.31	.019	.6	10.2	.28	5.0	.031	1	.36	.016	<.01	.2	.6	<.02	<.01	<5	<.1	<.02	1.1	30
TG07	.19	6.30	2.16	16.6	9	5.6	1.0	185	.62	.9	<.1	.6	.1	6.3	.04	.15	.13	4	.25	.017	.6	8.4	.20	3.1	.050	1	.27	.018	<.01	.2	.9	<.02	<.01	<5	<.1	.10	1.0	30
TG07B	.24	3.64	3.44	9.4	12	8.5	2.6	267	.51	1.3	.1	.3	.2	101.6	.09	.10	.04	<2	4.60	.012	.8	8.5	.08	17.1	.001	1	.10	.002	.01	.2	.3	<.02	<.01	<5	<.1	<.02	.3	30
TG08	.21	1.37	1.99	2.4	7	1.4	.3	40	.33	.3	.1	.4	.2	.8	.01	.13	<.02	<2	.03	.001	<.5	10.9	.01	4.4	.001	<1	.05	.002	.01	.2	.1	<.02	.01	<5	<.1	<.02	.2	30
TG09	.40	301.85	6.48	75.7	736	61.8	39.5	529	4.43	<.1	<.1	1.3	.1	148.8	.33	.02	1.21	117	3.38	.054	.8	171.0	1.14	96.6	.090	4	5.73	.404	.51	.1	10.4	.52	2.82	<5	9.9	.08	14.3	30
TG10	.11	57.71	.67	80.7	20	29.6	22.6	824	3.20	.4	.1	.7	.5	64.6	.12	.04	.02	64	.85	.125	3.0	53.0	2.36	13.0	.088	1	2.46	.011	<.01	<.1	2.5	<.02	<.01	<5	<.1	.03	5.7	30
TG12	.20	36.66	.31	45.0	22	9.3	12.4	662	3.34	.4	.1	.4	1.1	77.0	.10	.07	.02	121	2.51	.071	7.3	40.9	1.83	451.7	.071	1	1.51	.060	.01	<.1	12.4	<.02	<.01	<5	.1	<.02	5.2	30
TG13	.05	47.16	.42	50.3	16	56.1	20.9	703	2.99	.2	<.1	.8	.2	47.9	.03	.06	<.02	88	1.49	.039	1.5	353.7	2.48	288.5	.105	<1	1.95	.030	<.01	<.1	4.5	<.02	<.01	<5	<.1	<.02	6.7	30
TG16	.49	13.97	1.49	2.8	91	2.4	1.2	38	.86	.6	.1	1.7	.1	1.6	.01	.04	2.82	3	.04	.003	<.5	12.5	.04	14.3	.007	1	.08	.004	.02	.3	.3	<.02	<.01	<5	.6	.17	.3	30
RE TG16	.51	13.86	1.37	2.6	78	2.5	1.1	37	.86	.6	.1	2.6	.1	1.4	.02	.05	2.66	3	.04	.003	<.5	12.6	.03	12.0	.007	1	.08	.004	.02	.2	.4	<.02	.01	<5	.6	.18	.3	30
TG17A	.20	2.03	.99	2.9	6	7.3	1.3	97	.25	.7	<.1	.3	<.1	32.0	.03	.05	.06	3	.48	.001	<.5	23.8	.10	5.8	.004	1	.07	.002	<.01	.3	.3	<.02	.02	<5	<.1	<.02	.2	30
TG17B	.19	1.48	1.12	4.7	11	7.6	1.4	110	.44	.3	<.1	.5	<.1	29.8	.02	.02	.04	7	.44	.015	<.5	11.3	.21	3.2	.001	1	.18	.001	<.01	.1	.3	<.02	.01	<5	<.1	.02	.6	30
TG18	69.33	38.77	18.36	190.0	880	90.9	6.9	50	1.65	12.9	23.7	.8	5.6	28.9	1.93	6.09	.54	412	.95	.112	12.2	29.8	.71	133.6	.076	1	1.74	.014	.33	.8	1.9	.74	.69	<5	5.2	.08	7.1	30
TG19A	3.81	21.44	7.78	22.8	316	6.5	2.1	46	2.71	14.5	6.1	.8	13.4	5.4	.05	3.58	.36	6	.07	.078	33.2	8.4	.07	92.5	.003	7	.50	.006	.27	<.1	1.4	.27	.15	<5	4.9	.02	1.4	30
TG19B	2.56	16.33	3.98	5.3	103	4.4	1.2	86	.71	1.9	.3	2.9	.4	1.2	.04	.50	.23	4	.05	.002	1.3	16.2	.01	20.8	.003	2	.05	.001	.02	.3	.3	<.02	.02	<5	.7	.02	.2	30
TG21	.62	138.77	.93	6.4	112	54.4	15.8	95	1.10	.4	.1	.8	.2	3.5	.04	.08	.08	8	.26	.003	.8	17.4	.09	22.9	.002	1	.12	.002	.02	.3	.6	.02	.63	5	1.2	<.02	.6	30
TG21A	.57	3.07	2.63	10.4	34	17.6	1.2	54	.43	8.9	<.1	.8	.1	10.0	.05	.12	.03	4	.06	.001	<.5	42.8	.18	5.5	.001	<1	.19	.008	.01	.3	.3	.02	.02	<5	<.1	<.02	.5	30
TG21B	.29	3.46	.23	1.4	6	2.5	.4	24	.27	.5	.1	.3	.2	1.1	.02	.03	<.02	<2	.01	.003	<.5	20.4	<.01	1.8	.001	1	.01	.001	<.01	.3	.2	<.02	.04	<5	.1	<.02	.1	30
TG23	1.47	133.37	5.76	91.6	614	46.4	41.6	437	7.11	6.7	.1	4.5	1.1	62.2	.09	.14	.78	222	1.50	.221	6.1	23.8	2.12	39.1	.221	1	3.54	.113	1.50	.4	8.7	.65	3.27	<5	2.3	.12	13.2	30
TG23A	20.11	71.83	10.43	155.6	714	72.7	16.6	371	2.20	<.1	3.3	.9	6.8	122.8	2.87	.27	.70	195	1.88	.090	12.7	106.8	1.36	120.9	.075	1	4.02	.304	1.04	.1	9.1	1.00	1.43	<5	11.0	.08	13.6	30
T027R	.22	52.71	.82	10.9	174	12.1	7.8	168	1.16	30.3	<.1	85.8	.2	3.9	.07	.08	.02	7	.37	.020	.5	16.3	.21	21.8	.003	<1	.23	.003	.03	.2	.7	.02	.42	5	.1	.02	.6	30
T028R	.33	4.84	4.30	25.7	46	1.0	1.2	120	1.91	37.4	.2	9.7	3.6	4.0	.03	.25	.06	4	.08	.038	6.5	3.4	.32	67.6	.014	1	.54	.044	.12	<.1	2.3	.05	.40	<5	.1	<.02	2.5	30
T029R	.10	2.63	2.27	9.4	15	40.1	4.7	200	.31	1.3	<.1	.8	<.1	18.3	.35	.20	<.02	5	1.29	.002	1.1	45.5	1.19	29.2	.009	<1	1.41	.036	.08	<.1	1.0	.02	<.01	<5	<.1	<.02	1.3	30
T1007A	.26	17.13	.30	2.1	9	2.9	.8	44	.42	1.3	<.1	1.0	.1	1.0	.02	.03	<.02	5	.08	.001	<.5	12.9	.09	3.8	.002	<1	.14	.006	.01	.1	.3	<.02	.02	<5	<.1	<.02	.3	30
T1007B	.44	4.87	3.26	14.6	24	4.6	.5	43	.30	.7	<.1	.4	<.1	3.0	.16	.04	.03	<2	.18	.001	<.5	10.5	.03	3.1	.001	<1	.04	.004	.01	.2	.2	<.02	.02	<5	.1	<.02	.1	30
T1031R	.07	.47	39.22	8.7	3	.9	.6	632	.69	3.2	.2	.6	1.0	373.2	.09	<.02	<.02	<2	34.79	.007	6.9	2.3	.44	41.0	<.001	<1	.03	.002	.02	<.1	1.3	<.02	.01	<5	.2	<.02	.1	30
T1033A	15.11	155.64	7.95	37.1	837	105.5	23.7	386	5.04	.2	1.7	.6	6.0	99.3	.18	.11	1.12	195	2.53	.316	23.6	44.6	.51	45.9	.102	1	3.08	.158	.45	.3	4.8	.29	3.45	5	6.1	.10	11.7	30
T1033B	1.96	132.70	2.41	60.8	459	37.2	35.6	180	4.05	.4	.2	2.8	1.3	23.3	.10	.08	2.12	108	1.01	.234	7.0	13.2	.84	94.3	.188	1	1.52	.101	.68	.2	4.3	.69	1.79	<5	1.9	.06	7.0	30
T1034A	.50	6.28	.87	4.1	36	2.9	.8	48	.50	.4	<.1	.3	<.1	2.4	.03	.06	.03	2	.07	.003	<.5	12.6	.01	2.4	.004	<1	.05	.007	.01	.2	.3	<.02	.02	5	.4	<.02	.2	30
STANDARD DS6	11.45	122.87	28.74	140.1	268	24.6	10.6	703	2.80	21.3	6.4	46.5	3.0	39.6	5.93	3.41	4.50	56	.85	.077	12.8	177.3	.57	156.0	.073	16	1.89	.071	.14	3.6	3.3	1.74	.02	223	4.3	2.20	6.2	30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____ DATE RECEIVED: SEP 1 2005 DATE REPORT MAILED: Sept.21/05..

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A508004

38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
G-1	.20	1.86	2.52	44.6	7	3.7	4.3	565	2.00	.1	2.2	.5	3.9	84.7	.02	<.02	.09	40
T1038	.74	19.76	7.33	53.6	71	38.4	12.5	567	2.18	5.3	.7	11.8	2.7	17.2	.24	.18	.20	44
T1039	.55	15.94	5.72	46.7	50	42.5	11.1	350	2.11	4.5	.4	15.6	2.8	14.8	.17	.17	.10	44
T1040	.52	32.28	7.62	75.1	148	56.1	12.9	675	2.24	4.1	.7	3.8	1.9	20.9	.38	.28	.18	49
T1041	1.88	54.99	7.03	76.3	152	87.7	19.0	528	2.55	7.7	1.0	5.1	3.1	31.7	.49	.31	.33	60
T1042	2.75	56.72	11.95	141.3	191	195.7	26.2	723	3.46	16.6	1.5	1.4	4.1	41.5	1.69	.47	.49	94
T1043	.65	17.94	6.97	81.5	82	88.6	13.0	398	1.83	3.5	.8	1.9	2.7	17.5	.43	.23	.17	46
T1044	1.29	58.10	11.45	76.0	98	38.9	22.0	795	3.19	7.0	.4	2.3	1.3	27.3	.42	.34	.16	70
RE T1039	.55	15.68	6.00	44.5	50	42.0	10.8	364	2.11	4.2	.4	12.8	2.8	14.9	.16	.17	.10	46
T1045	1.59	34.21	22.09	94.2	117	34.1	19.5	1213	3.19	6.0	.6	1.9	1.5	18.9	.77	.28	.15	64
T1046	1.29	37.43	17.96	84.7	127	32.0	16.0	800	2.79	5.6	.7	62.9	1.4	21.3	.62	.29	.18	60
T1047	1.37	43.84	17.22	103.6	129	38.0	17.8	851	3.04	6.1	.9	4.2	1.4	29.6	.65	.28	.22	63
T1048	1.23	42.27	18.16	92.9	148	38.7	17.5	717	2.94	5.9	1.1	2.6	1.3	25.9	.50	.25	.18	59
T1049	.87	39.33	27.16	77.7	193	43.1	18.4	517	3.14	15.6	.9	37.0	2.2	23.1	.53	.36	.19	39
T1050	.89	35.39	11.59	60.2	144	27.0	14.7	1110	2.51	6.3	.8	4.8	1.5	19.5	.26	.18	.17	53
T1051	1.03	36.16	18.54	79.8	178	37.2	16.8	853	2.83	8.3	.8	774.2	1.8	27.7	.79	.28	.18	49
T1052	1.08	20.65	8.16	68.9	66	62.7	10.8	279	1.98	3.7	1.1	1.2	5.0	21.2	.39	.33	.44	30
T1053	1.86	33.09	12.50	140.1	122	65.0	12.7	398	2.25	5.8	1.6	1.4	4.4	27.9	.94	.48	.37	44
T1054	1.36	24.94	10.09	98.8	126	62.2	10.8	308	1.93	4.2	1.3	1.2	5.4	23.8	.57	.43	.58	33
T1055	1.13	37.71	16.47	73.0	85	38.0	15.9	641	2.86	12.3	.9	25.0	3.9	19.7	.27	.51	.48	30
T1056	.88	35.75	16.24	65.8	70	33.5	13.6	594	2.58	11.1	.8	2.3	3.4	19.1	.25	.43	.18	28
T1057	.94	37.85	18.33	91.7	123	40.7	15.9	754	2.71	9.2	.9	16.3	1.9	26.1	.53	.29	.17	44
T1058	1.54	28.02	10.86	136.5	102	68.0	11.1	331	1.96	5.3	1.3	1.0	4.0	27.1	.90	.45	.35	41
STANDARD	11.80	123.19	28.42	142.8	265	25.0	11.0	695	2.81	20.2	6.5	48.6	3.0	39.2	6.03	3.42	4.95	54

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
G-1	.63	.083	8.2	8.6	.62	222.2	.153	1	1.19	.099	.50	<.1	2.3	.32	<.01	<5	<.1	<.02	5.3	30.0
T1038	.46	.070	11.1	55.8	.97	130.0	.059	1	1.30	.015	.09	.9	2.8	.13	.01	12	.1	.02	4.2	30.0
T1039	.42	.075	10.0	59.3	.82	96.6	.055	1	1.03	.014	.07	.4	2.6	.09	<.01	14	.1	.02	3.5	30.0
T1040	.97	.052	9.6	66.2	1.27	198.7	.072	2	1.65	.022	.12	.1	4.2	.14	.02	20	.4	.02	5.5	30.0
T1041	.62	.085	13.2	91.3	1.41	252.0	.080	3	1.79	.029	.22	.3	4.1	.18	.01	15	.7	.05	6.0	30.0
T1042	.90	.101	14.6	170.4	2.00	324.4	.117	3	2.26	.050	.40	.7	5.5	.35	.04	26	1.8	.05	7.3	15.0
T1043	.55	.081	10.3	76.8	1.04	230.8	.053	1	.95	.016	.06	1.3	2.3	.13	<.01	14	.4	<.02	3.3	30.0
T1044	.55	.172	7.5	55.6	1.33	177.5	.088	2	1.59	.005	.25	<.1	4.0	.12	.01	8	.4	.02	5.0	30.0
RE T1039	.41	.070	10.5	63.3	.83	100.6	.060	<1	1.05	.014	.07	.4	2.7	.09	<.01	9	.2	<.02	3.6	30.0
T1045	.45	.103	11.1	69.0	1.61	145.6	.073	1	1.75	.007	.12	.2	4.3	.08	.02	16	.8	.03	6.1	7.5
T1046	.46	.105	9.9	60.9	1.33	151.3	.071	1	1.55	.007	.12	<.1	3.9	.08	<.01	15	.6	.02	5.3	30.0
T1047	.65	.099	9.8	64.6	1.46	156.7	.069	1	1.71	.008	.13	<.1	4.2	.10	.03	25	1.0	.03	5.9	15.0
T1048	.58	.108	9.4	62.6	1.36	131.3	.063	1	1.68	.007	.12	<.1	3.8	.09	.02	28	1.0	.03	5.4	30.0
T1049	.55	.102	12.2	51.8	.86	69.3	.031	1	1.22	.006	.08	.1	2.6	.06	.03	33	1.3	.04	3.3	30.0
T1050	.42	.082	7.5	44.1	1.26	134.2	.061	1	1.60	.011	.09	<.1	3.7	.10	<.01	22	.4	.03	5.1	30.0
T1051	.60	.097	11.3	54.6	1.21	134.8	.054	<1	1.56	.009	.13	<.1	3.7	.09	.01	34	1.1	.03	4.5	30.0
T1052	.72	.131	14.6	51.2	.93	175.6	.045	<1	.72	.010	.12	2.1	1.9	.09	.02	6	.4	.02	2.4	15.0
T1053	.78	.088	16.1	50.5	1.13	167.2	.069	<1	1.19	.016	.19	1.7	2.7	.18	.03	15	1.0	.04	3.9	15.0
T1054	.81	.128	16.6	41.4	1.02	172.0	.053	<1	.89	.013	.15	2.5	2.3	.13	.02	11	.6	.03	3.1	30.0
T1055	.35	.086	15.9	34.8	.71	63.8	.031	<1	1.11	.006	.10	<.1	2.4	.06	.02	15	.7	.02	3.3	15.0
T1056	.35	.079	14.6	29.9	.65	56.5	.029	1	1.05	.006	.07	<.1	2.0	.05	.01	17	.5	.03	3.0	30.0
T1057	.58	.091	10.7	50.5	1.11	115.4	.052	2	1.45	.008	.11	.1	3.5	.08	.03	23	.8	.03	4.5	30.0
T1058	.72	.093	15.6	50.9	1.09	181.7	.058	1	1.08	.017	.16	2.5	2.5	.17	<.01	13	.8	.04	3.4	30.0
STANDARD	.85	.077	13.6	181.7	.57	158.6	.078	17	1.89	.071	.15	3.6	3.2	1.73	.02	225	4.2	2.13	6.6	30.0

Standard is STANDARD DS6.

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Silt SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____ DATE RECEIVED: DEC 12 2005 DATE REPORT MAILED: Dec 30/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME AN TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(IS 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A508005

38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
G-1	.60	2.30	2.69	45.3	12	5.4	4.4	552	1.89	<.1	2.0	.4	4.1	60.0	.01	.02	.12	37
TG24	.21	25.41	1.35	3.1	10	12.0	2.5	27	.43	1.6	.1	1.0	.6	.6	.01	.07	.05	<2
TG25	.23	66.65	6.51	5.2	21	23.0	4.3	621	.68	1.0	<.1	<.2	.1	18.9	.06	.03	.04	<2
STANDARD DS6	11.98	127.64	30.11	146.7	275	26.1	11.5	718	2.92	19.6	6.7	49.0	3.1	42.3	6.06	3.40	5.09	57

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
G-1	.59	.076	8.1	60.7	.59	214.0	.129	<1	.95	.065	.47	<.1	2.3	.30	<.01	<5	<.1	<.02	5.1	30
TG24	.01	.002	1.5	14.7	.01	7.7	.001	1	.05	.007	.03	<.1	.2	<.02	<.01	<5	.1	<.02	.1	30
TG25	.51	.007	.6	12.9	.15	8.6	.001	1	.06	.003	.02	<.1	.5	<.02	.04	<5	.1	<.02	.2	30
STANDARD DS6	.88	.081	14.3	189.2	.60	162.7	.083	18	2.00	.075	.17	3.6	3.3	1.81	.04	233	4.4	2.28	6.6	30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Rock R150

Data FA ____ DATE RECEIVED: DEC 12 2005 DATE REPORT MAILED: Dec 30/05

BRITISH COLUMBIA CERTIFIED ASSAYER
C. L
Clarence Leong

APPENDIX III

Tabulated Silt Sample Geochemical Results

Note: samples in red are below limit of detection and are listed at ½ LOD

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Sampler	Media	Colour	Texture	Comments	Easting	Northing	Mo_ppm	Cu_ppm
T001	DJB	Silt	grey	clay mud		540000.0	6930000.0	1.33	21.83
T002	DJB	Silt	grey	clay silt		539795.0	6821847.0	1.35	19.22
T003	DJB	Silt	grey	mica silt		540150.0	6822500.0	0.55	12.85
T004	DJB	Silt	med grey	gravel	moderate qtz carb pebbles	540149.0	6822561.0	0.58	16.23
T005	DJB	Silt	grey	silt		545253.0	6834250.0	1.81	53.13
T006	DJB	Silt	brn grey	silt gravel		545242.0	6834135.0	4.35	68.71
T007	DJB	Silt	lt grey	silt gravel		545477.0	6833707.0	1.56	83.84
T008	DJB	Silt	brn grey	silt gravel		546264.0	6833786.0	2.40	110.07
T009	DJB	Silt	brn grey	silt sand gravel		546302.0	6833139.0	3.02	51.61
T010	DJB	Silt	grey	silt sand gravel		545343.0	6833132.0	1.31	61.85
T011	DJB	Silt	grey brn	silt sand gravel		545318.0	6832232.0	0.46	64.71
T012	DJB	Silt	grey	silt sand gravel		545226.0	6832240.0	1.73	59.04
T013	DJB	Silt	grey brn	silt sand gravel		545165.0	6832216.0	1.84	43.79
T014	DJB	Silt	grey	silt clay sand		545160.0	6830959.0	1.06	55.18
T015	DJB	Silt	grey	silt sand gravel		544859.0	6832449.0	1.81	43.94
T016	DJB	Silt	grey	silt sand gravel		544355.0	6832414.0	2.40	51.63
T017	DJB	Silt	brn grey	silt sand gravel		544076.0	6832326.0	2.90	55.02
T018	DJB	Silt	brn grey	silt sand gravel		543905.0	6832556.0	0.70	65.49
T019	DJB	Silt	med brn	silt in moss		543515.0	6832628.0	0.43	77.43
T020	DJB	Silt	brn grey	silt gravel		544931.0	6833375.0	4.55	75.54
T021	DJB	Silt	brn grey	silt gravel clay		544852.0	6833383.0	7.13	84.92
T022	DJB	Silt	brn	silt sand clay		544426.0	6833551.0	0.83	53.77
T023	DJB	Silt	blk brn	silt organics		544354.0	6833662.0	0.68	85.09
T024	DJB	Silt	grey green	sand gravel silt		544322.0	6833697.0	0.66	49.07
T025	DJB	Silt	brn	silt in moss	poor sample	544313.0	6833749.0	0.65	85.57
T026	DJB	Silt				544554.0	6824173.0	5.49	61.18
T1001	GAJ	Silt	med brn	gravel sand >> silt		540001.0	6821615.0	0.84	16.93
T1002	GAJ	Silt	med brn	silt fine sand		539994.0	6821868.0	1.21	17.06
T1003	GAJ	Silt	med brn	silt		540287.0	6822650.0	1.30	17.77
T1004	GAJ	Silt	med brn	silt sand gravel		540151.0	6823518.0	1.26	14.87
T1005	GAJ	Silt	rusty grey brn	gravel sand silt	carb chips	544859.0	6835124.0	5.78	85.55
T1006	GAJ	Silt	grey rm	gravel sand silt	carb chips	544683.0	6835352.0	6.54	85.83
T1007	GAJ	Silt	med brn	silt twigs		544712.0	6835683.0	4.40	73.56
T1008	GAJ	Silt	grey brn	gravel sand silt	carb chips	544633.0	6835935.0	3.37	71.76
T1009	GAJ	Silt	grey brn	silt sand > gravel	carb chips	544427.0	6836870.0	0.63	8.21
T1011	GAJ	Silt	med brn	clay mica silt		544523.0	6837559.0	0.86	21.78
T1012	GAJ	Silt	brn grey	gravel sand	carb chips	544472.0	6837556.0	3.30	58.18
T1013	GAJ	Silt	grey brn	gravel sand		544515.0	6837219.0	3.17	61.61
T1014	GAJ	Silt	grey brn	sand silt		544577.0	6836712.0	2.69	72.05
T1015	GAJ	Silt	grey brn	gravel sand silt		544634.0	6836555.0	2.52	61.89
T1016	GAJ	Silt	grey brn	gravel sand silt		544665.0	6836384.0	3.59	60.66
T1017	GAJ	Silt	grey brn	gravel sand silt		544675.0	6836389.0	5.37	77.86
T1018	GAJ	Silt	grey brn	silt twigs		546440.0	6834926.0	0.68	40.75

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Pb_ppm	Zn_ppm	Ag_ppb	Ni_ppm	Co_ppm	Mn_ppm	Fe_pct	As_ppm	U_ppm	Au_ppb	Th_ppm	Sr_ppm	Cd_ppm	Sb_ppm	Bi_ppm	V_ppm	Ca_pct	P_pct	La_ppm
T001	9.37	59.80	97	29.0	9.3	386	1.92	10.2	1.5	3.5	6.4	111.9	0.36	0.53	0.27	33	3.98	0.098	18.4
T002	7.65	60.20	106	24.2	8.2	371	1.66	6.1	1.3	2.4	5.4	48.0	0.46	0.49	0.22	34	1.80	0.125	16.0
T003	6.65	46.00	58	18.4	6.1	183	1.35	5.4	0.6	1.9	4.3	39.2	0.21	0.29	0.17	25	1.12	0.087	13.9
T004	8.10	54.20	80	20.3	7.6	270	1.59	15.2	0.7	18.0	4.0	45.6	0.28	0.26	0.18	29	1.15	0.084	14.3
T005	6.04	95.40	85	118.0	15.2	513	2.47	5.2	1.0	1.7	1.0	22.4	0.58	0.55	0.19	62	0.49	0.084	8.8
T006	9.77	154.90	255	73.4	21.8	597	3.67	5.9	1.7	2.0	2.5	39.2	1.76	0.43	0.43	103	0.75	0.093	13.1
T007	10.36	118.70	129	118.6	19.4	487	2.61	10.3	1.1	93.2	1.7	25.7	0.67	1.26	0.54	47	0.48	0.077	7.1
T008	15.83	211.20	169	113.0	23.0	712	2.86	13.4	1.8	17.8	1.6	26.5	0.83	1.95	1.17	49	0.42	0.081	8.1
T009	6.62	113.90	219	60.5	20.0	473	3.41	4.5	1.1	11.5	3.8	45.7	1.14	0.50	0.36	94	0.86	0.122	12.8
T010	8.18	101.40	109	130.2	18.6	444	2.51	7.8	0.8	10.1	1.8	23.3	0.59	0.98	1.27	47	0.45	0.079	7.1
T011	2.68	38.80	40	268.5	30.9	401	2.63	6.8	0.4	1.7	0.9	18.5	0.23	0.47	0.15	47	0.44	0.052	3.3
T012	7.93	105.10	114	114.4	19.2	497	2.70	7.4	1.0	7.1	2.1	28.6	0.79	0.90	0.30	57	0.53	0.091	8.3
T013	13.07	109.80	205	52.1	16.1	506	2.91	10.0	1.2	3.1	3.1	33.4	1.03	0.45	0.17	72	0.74	0.095	13.7
T014	5.63	71.60	88	166.1	22.6	398	2.65	6.5	0.9	4.2	1.6	24.6	0.51	0.65	0.22	54	0.52	0.075	6.1
T015	14.66	111.20	215	52.5	16.7	533	2.93	9.0	1.0	4.1	3.1	33.9	1.09	0.44	0.17	72	0.74	0.090	13.7
T016	18.16	127.70	256	60.3	19.2	692	3.29	17.5	1.5	5.7	2.7	36.1	1.32	0.49	0.18	80	0.85	0.084	14.2
T017	28.80	162.70	349	94.9	22.7	807	3.71	19.2	2.1	4.6	2.0	35.7	2.88	0.54	0.18	93	0.77	0.067	13.6
T018	16.94	114.20	149	67.2	22.7	775	3.51	7.3	0.6	6.0	1.6	22.3	0.83	0.41	0.13	87	0.74	0.075	12.6
T019	60.33	161.80	298	70.2	26.7	1012	4.33	22.6	0.3	10.0	1.3	28.9	0.84	0.46	0.22	95	0.67	0.067	6.9
T020	8.38	141.50	306	67.3	21.5	529	3.38	4.8	1.6	2.6	3.8	59.3	1.13	0.60	0.62	101	1.91	0.102	13.7
T021	9.79	222.60	483	79.1	22.1	656	3.81	5.6	2.3	3.3	4.4	81.9	3.53	0.63	0.47	111	0.95	0.093	17.2
T022	6.94	87.70	136	43.4	18.9	677	3.12	3.6	0.7	12.1	0.9	26.0	0.51	0.31	0.24	83	0.73	0.065	7.3
T023	7.68	85.10	303	45.4	20.9	652	3.21	6.9	1.4	12.7	1.1	45.1	0.67	0.58	0.13	75	1.08	0.089	18.0
T024	9.87	100.30	255	42.6	21.7	1113	3.59	5.4	1.0	89.9	1.8	24.4	1.08	0.45	0.15	82	0.75	0.086	20.2
T025	12.06	143.10	211	43.5	17.6	611	3.35	2.0	0.4	10.0	1.6	18.7	1.29	0.28	0.28	76	0.60	0.078	15.2
T026	11.30	186.50	262	71.8	21.4	786	3.65	7.1	1.6	2.2	1.5	28.6	2.85	0.53	0.25	99	0.59	0.068	17.3
T1001	8.92	55.50	83	21.5	7.8	290	1.75	10.6	2.2	16.3	4.7	71.2	0.31	0.33	0.23	32	1.79	0.092	14.7
T1002	7.05	44.20	111	21.6	7.7	344	1.26	7.2	0.9	1.2	3.4	52.8	0.35	0.45	0.18	23	1.89	0.090	10.0
T1003	6.88	45.00	125	21.9	8.3	367	1.21	5.3	1.0	2.9	3.1	42.8	0.43	0.45	0.18	24	1.68	0.076	8.9
T1004	5.93	41.90	99	19.7	7.0	285	1.17	4.9	0.9	1.1	3.3	48.9	0.34	0.41	0.19	23	1.88	0.089	9.6
T1005	12.57	190.80	302	96.7	26.7	774	4.15	11.8	1.3	4.2	3.2	37.7	2.09	0.41	0.45	111	0.72	0.105	13.6
T1006	10.83	259.30	338	92.8	28.3	866	4.52	10.0	2.0	3.3	5.1	52.6	2.91	0.37	0.78	129	0.88	0.117	19.7
T1007	10.31	148.50	250	77.5	20.5	549	3.82	9.9	1.7	2.8	3.1	45.4	1.73	0.39	0.51	104	0.76	0.101	15.0
T1008	6.94	133.90	232	97.0	26.0	727	3.89	10.6	1.5	3.4	3.0	39.6	1.59	0.41	0.46	101	0.74	0.100	12.8
T1009	7.84	41.70	39	16.9	7.1	257	2.81	8.6	6.3	1.1	31.6	24.2	0.16	0.30	0.85	57	0.63	0.200	69.4
T1011	12.90	141.20	86	32.3	8.7	242	1.81	3.5	1.7	11.7	6.0	21.2	0.45	0.28	0.22	28	0.70	0.107	19.0
T1012	6.54	157.10	151	116.8	21.5	533	3.75	9.7	1.5	2.4	2.8	30.7	2.24	0.44	0.34	100	0.62	0.127	9.1
T1013	6.71	149.40	159	118.7	23.0	523	3.78	7.9	1.9	1.7	3.1	34.4	1.99	0.50	0.39	106	0.71	0.132	10.9
T1014	5.94	112.90	137	137.2	24.2	519	3.80	5.5	1.5	3.1	2.6	33.8	1.00	0.31	0.33	112	0.71	0.131	8.9
T1015	5.47	91.40	119	116.6	20.0	410	3.37	5.3	1.1	1.5	2.6	33.0	0.92	0.45	0.35	90	0.70	0.149	9.1
T1016	6.79	122.70	183	92.2	25.2	665	3.91	10.2	2.1	1.9	3.2	33.0	1.14	0.38	0.39	102	0.64	0.108	11.0
T1017	9.51	186.90	363	113.3	22.5	667	3.81	11.0	17.2	2.0	3.4	53.0	2.95	0.94	0.45	150	1.08	0.112	15.0
T1018	13.48	104.80	75	494.7	26.4	327	2.99	5.9	1.3	1.5	2.0	30.2	0.57	0.70	0.27	26	1.20	0.095	15.3

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Cr_ppm	Mg_pct	Ba_ppm	Ti_pct	B_ppm	Al_pct	Na_pct	K_pct	W_ppm	Sc_ppm	Tl_ppm	S_pct	Hg_ppb	Se_ppm	Te_ppm	Ga_ppm	Sample_gm
T001	24.3	0.88	104.1	0.047	1.0	1.00	0.018	0.19	1.00	2.3	0.13	0.005	8.0	0.30	0.01	3.1	30.0
T002	22.8	0.68	109.2	0.051	0.5	0.77	0.013	0.13	1.00	2.1	0.10	0.005	7.0	0.50	0.01	2.6	30.0
T003	16.6	0.50	61.2	0.036	1.0	0.70	0.015	0.10	0.70	1.6	0.08	0.005	11.0	0.10	0.01	2.3	30.0
T004	19.6	0.60	58.4	0.039	1.0	0.95	0.019	0.12	0.70	1.9	0.10	0.005	11.0	0.50	0.01	2.9	30.0
T005	95.4	1.20	109.2	0.054	1.0	1.37	0.014	0.05	0.05	2.3	0.09	0.005	19.0	0.60	0.03	4.0	30.0
T006	82.2	1.54	274.5	0.095	1.0	2.27	0.030	0.32	0.20	5.5	0.34	0.010	16.0	2.20	0.05	7.6	30.0
T007	114.1	1.31	226.1	0.058	2.0	1.02	0.007	0.04	0.20	2.7	0.07	0.005	43.0	1.10	0.06	2.8	30.0
T008	107.3	1.22	273.6	0.054	2.0	1.11	0.005	0.05	0.10	2.8	0.14	0.005	68.0	0.80	0.10	3.1	30.0
T009	74.9	1.41	289.4	0.093	2.0	1.87	0.043	0.30	0.30	5.3	0.28	0.020	13.0	1.40	0.05	6.1	30.0
T010	124.3	1.30	214.0	0.054	2.0	0.96	0.008	0.04	0.20	2.5	0.06	0.005	27.0	0.70	0.03	2.7	30.0
T011	245.4	2.95	90.8	0.078	4.0	1.02	0.007	0.03	0.05	3.4	0.02	0.005	10.0	0.50	0.03	2.8	30.0
T012	116.5	1.32	233.7	0.066	1.0	1.14	0.015	0.09	0.10	3.0	0.10	0.005	22.0	0.90	0.05	3.4	30.0
T013	75.5	1.39	225.4	0.083	1.0	1.90	0.028	0.25	0.30	4.9	0.22	0.005	16.0	1.00	0.02	5.9	30.0
T014	164.0	1.94	156.4	0.063	2.0	1.07	0.012	0.07	0.10	3.1	0.07	0.005	15.0	0.90	0.02	3.0	30.0
T015	79.1	1.45	237.5	0.084	1.0	1.95	0.028	0.27	0.30	5.0	0.22	0.005	15.0	1.00	0.02	6.0	30.0
T016	90.4	1.68	236.6	0.088	2.0	2.12	0.025	0.26	0.20	5.6	0.23	0.010	25.0	1.70	0.03	6.5	15.0
T017	149.8	2.32	222.9	0.110	1.0	2.59	0.013	0.23	0.05	7.7	0.22	0.005	20.0	2.00	0.02	7.8	30.0
T018	129.4	2.41	197.3	0.109	1.0	2.43	0.010	0.27	0.05	6.2	0.14	0.005	23.0	1.00	0.02	6.9	30.0
T019	120.3	2.51	137.8	0.084	1.0	2.38	0.005	0.19	0.10	8.9	0.14	0.005	46.0	0.80	0.04	7.6	30.0
T020	71.3	1.67	473.9	0.090	1.0	2.12	0.034	0.32	0.10	5.6	0.38	0.005	16.0	1.50	0.04	6.8	30.0
T021	70.5	1.49	312.9	0.082	2.0	2.62	0.071	0.41	0.10	6.0	0.52	0.040	22.0	2.90	0.08	8.0	30.0
T022	78.1	1.78	169.8	0.082	1.0	2.21	0.014	0.20	0.10	5.0	0.19	0.020	21.0	0.50	0.02	6.8	30.0
T023	75.4	1.55	268.6	0.079	1.0	1.96	0.013	0.26	0.05	6.4	0.30	0.060	98.0	2.40	0.04	6.0	7.5
T024	75.6	1.92	254.3	0.089	1.0	2.13	0.011	0.40	0.05	7.8	0.26	0.050	53.0	1.30	0.01	7.0	30.0
T025	73.4	1.90	228.5	0.096	1.0	2.06	0.010	0.27	0.05	6.0	0.14	0.020	36.0	0.50	0.02	6.3	15.0
T026	94.0	1.58	322.4	0.065	1.0	2.19	0.011	0.20	0.20	4.6	0.32	0.010	15.0	4.00	0.05	6.9	15.0
T1001	20.4	0.60	68.3	0.043	1.0	0.98	0.026	0.14	3.70	2.2	0.12	0.020	8.0	0.60	0.02	3.2	30.0
T1002	15.2	0.49	91.2	0.031	1.0	0.55	0.011	0.08	0.50	1.5	0.07	0.040	7.0	0.50	0.02	1.8	30.0
T1003	14.7	0.50	89.3	0.032	0.5	0.54	0.009	0.09	0.40	1.5	0.08	0.040	2.5	0.60	0.01	1.8	30.0
T1004	14.4	0.50	84.5	0.035	1.0	0.54	0.010	0.08	0.40	1.5	0.07	0.040	8.0	0.40	0.01	1.7	30.0
T1005	105.9	1.97	284.1	0.103	1.0	2.44	0.029	0.37	0.20	6.9	0.36	0.050	10.0	2.40	0.08	7.9	30.0
T1006	97.3	1.94	358.1	0.120	1.0	2.88	0.059	0.59	0.50	7.7	0.59	0.050	20.0	3.50	0.09	9.7	7.5
T1007	91.9	1.77	247.3	0.098	1.0	2.47	0.038	0.34	0.20	6.2	0.39	0.020	21.0	1.70	0.06	7.9	30.0
T1008	95.8	1.70	239.8	0.112	1.0	2.30	0.031	0.38	1.20	5.4	0.33	0.040	14.0	2.10	0.06	7.2	30.0
T1009	22.1	0.47	78.1	0.043	0.5	0.89	0.012	0.07	1.50	2.0	0.06	0.005	2.5	0.05	0.01	3.8	15.0
T1011	23.6	0.79	133.7	0.055	0.5	0.90	0.009	0.13	0.80	2.1	0.13	0.010	14.0	0.40	0.02	3.0	30.0
T1012	112.3	1.64	246.3	0.083	2.0	1.68	0.030	0.37	0.30	4.7	0.27	0.030	2.5	1.00	0.04	5.8	1.0
T1013	120.3	1.70	258.2	0.108	1.0	1.83	0.033	0.38	1.00	5.1	0.27	0.020	13.0	1.30	0.06	6.1	15.0
T1014	128.1	2.16	312.1	0.124	1.0	1.99	0.041	0.54	0.20	6.1	0.31	0.030	2.5	0.90	0.03	6.9	7.5
T1015	111.7	1.61	244.2	0.096	1.0	1.52	0.032	0.36	0.60	4.8	0.23	0.020	9.0	0.90	0.06	5.1	30.0
T1016	100.0	1.75	222.3	0.107	1.0	2.14	0.030	0.36	1.00	5.1	0.29	0.030	6.0	1.70	0.06	6.7	7.5
T1017	106.2	1.92	248.2	0.108	2.0	2.57	0.058	0.42	0.80	6.1	0.47	0.040	18.0	4.00	0.06	8.8	7.5
T1018	235.7	3.18	116.5	0.019	6.0	0.86	0.008	0.04	0.10	2.4	0.07	0.050	33.0	1.70	0.03	2.4	30.0

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Sampler	Media	Colour	Texture	Comments	Easting	Northing	Mo_ppm	Cu_ppm
T1019	GAJ	Silt	lt brn	gravel sand silt		546524.0	6834967.0	1.11	36.69
T1020	GAJ	Silt	lt grey brn	gravel sand silt	lt chips	546615.0	6835417.0	1.46	85.91
T1021	GAJ	Silt	lt to med grey brn	gravel sand silt	lt chips	546596.0	6835416.0	1.16	51.02
T1022	GAJ	Silt	lt to med grey brn	gravel sand silt	very mixed chips	546588.0	6835432.0	0.80	53.29
T1023	GAJ	Silt	med grey brn	silt fine sand chips	carb chips	546534.0	6835979.0	0.62	17.49
T1024	GAJ	Silt	med brn	gravel sand silt	rusty chips	546518.0	6836104.0	1.16	38.47
T1025	GAJ	Silt	lt to med green brn	gravel sand silt	chloritic chips	546484.0	6836603.0	1.20	45.49
T1026	GAJ	Silt	grey brn	mica clay silt		544538.0	6836893.0	3.89	64.73
T1027	GAJ	Silt	med grey brn	clay mica organics		545238.0	6837344.0	0.81	96.28
T1028	GAJ	Silt	med grey brn	clay mica organics		545392.0	6837295.0	1.18	220.61
T1029	GAJ	Silt	med grey brn	gravel sand silt	light rx chips	545586.0	6837197.0	1.40	54.91
T1031	GAJ	Silt	med grey brn	silt mica		545694.0	6837129.0	1.25	55.96
T1032	GAJ	Silt	lt brn	mica silt		545772.0	6837119.0	0.66	18.78
T1033	GAJ	Silt	med brn	silt clay		544730.0	6834790.0	6.31	73.08
T1034	GAJ	Silt	med grey brn	gravel silt		544549.0	6834553.0	9.46	73.02
T1035	GAJ	Silt	lt to med brn	gravel sand silt		544517.0	6834539.0	6.98	67.02
T1036	GAJ	Silt				544494.0	6834562.0	4.09	84.01
T1038	GAJ	Silt	med brn	fine gravel, coarse sand, silt	damp sample but dry site on game trail	540867.0	6836994.0	0.74	19.76
T1039	GAJ	Silt	med brn	coarse sand and silt	from seep on game tr	541248.0	6837154.0	0.55	15.94
T1040	GAJ	Silt	med brn	coarse sand, minor silt & organics	dry sample from gulley	541542.0	6837290.0	0.52	32.28
T1041	GAJ	Silt	med brn	gravel, sand, silt	wet sample, active seds in small stream	542100.0	6837517.0	1.88	54.99
T1042	GAJ	Silt	med grey brn	sand, silt & a few cobbles	active seds from small stream on game trail	542960.0	6837969.0	2.75	56.72
T1043	GAJ	Silt	med-dk grey brn	fine cobbles, sand, silt some muck	seep flowing on game trail	542346.0	6837800.0	0.65	17.94
T1044	GAJ	Silt	med brn	sand, silt	seasonally active seds in dry gulch	542514.0	6834868.0	1.29	58.10
T1045	GAJ	Silt	med brn	coarse sand, minor silt	from small boulder rich creek	542430.0	6834726.0	1.59	34.21
T1046	GAJ	Silt	med brn	silt and coarse sand	sand bar beside small boulder rich creek	542046.0	6834929.0	1.29	37.43
T1047	GAJ	Silt	med brn	silt and coarse sand		541583.0	6835170.0	1.37	43.84
T1048	GAJ	Silt	med brn	muck, silt sand gravel	partly stabilized bank seds but wetted	541427.0	6835330.0	1.23	42.27
T1049	GAJ	Silt	med brn	silt sand & rock chips	partly stabilized bank seds but wetted	541418.0	6835319.0	0.87	39.33
T1050	GAJ	Silt	light brn	silt	seep flowing through bush	541408.0	6835469.0	0.89	35.39
T1051	GAJ	Silt	med grey brn	coarse sand, gravel, minor silt	partly stabilized bank seds but wetted	541025.0	6835993.0	1.03	36.16
T1052	GAJ	Silt	med brn	silt and sand	Ter Ck, silt pocket behind logs, boulders	539860.0	6836828.0	1.08	20.65
T1053	GAJ	Silt	med brn	silt and sand	Ter Ck, silt pocket behind logs, boulders	539860.0	6836828.0	1.86	33.09
T1054	GAJ	Silt	med brn	silt and sand	Ter Ck, silt pocket behind logs, boulders	539860.0	6836828.0	1.36	24.94
T1055	GAJ	Silt	med brn	coarse sand and silt	partly stabilized bank seds but wetted	540035.0	6836932.0	1.13	37.71
T1056	GAJ	Silt	med brn	coarse sand and silt	partly stabilized bank seds but wetted	540035.0	6836932.0	0.88	35.75
T1057	GAJ	Silt	med brn	muck and silt	partly stabilized bank seds but wetted	540232.0	6836965.0	0.94	37.85
T1058	GAJ	Silt	brown	muck and silt	from slow water by game trail xing Ter Ck	540484.0	6837055.0	1.54	28.02
TAS01	GAJ	Soil	med grey brown	loamy w/ rock chips	from area water would flow seasonally	545221.0	6834343.0	2.92	101.04
TAS02	GAJ	Soil	lt brown	loamy w/ rock chips	from area water would flow seasonally	545383.0	6834475.0	0.85	38.19
TAS03	GAJ	Soil	med grey brown	loamy w/ rock chips	from area water would flow seasonally	545351.0	6834580.0	1.42	76.48

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Pb_ppm	Zn_ppm	Ag_ppb	Ni_ppm	Co_ppm	Mn_ppm	Fe_pct	As_ppm	U_ppm	Au_ppb	Th_ppm	Sr_ppm	Cd_ppm	Sb_ppm	Bi_ppm	V_ppm	Ca_pct	P_pct	La_ppm
T1019	47.12	564.90	82	77.9	15.0	428	2.86	15.5	1.2	1.4	4.3	22.1	1.26	0.77	0.22	22	0.97	0.086	22.1
T1020	28.48	181.90	168	66.6	15.0	637	2.45	14.7	2.0	1.7	1.7	63.8	1.14	1.57	0.34	41	5.99	0.085	8.1
T1021	31.31	375.70	99	201.8	21.6	1442	3.20	14.0	1.4	1.7	3.1	31.5	1.67	0.88	0.31	32	1.30	0.095	22.3
T1022	14.76	159.50	120	85.0	10.5	370	1.95	6.8	1.5	1.5	1.2	54.2	0.72	0.77	0.17	30	3.80	0.086	11.5
T1023	13.28	88.30	65	22.8	9.3	737	2.30	5.4	0.8	1.5	2.9	24.3	0.22	0.30	0.11	27	0.54	0.076	13.6
T1024	21.93	179.40	90	63.1	16.3	2399	3.63	13.6	0.7	1.3	2.5	35.5	1.05	0.69	0.23	30	1.42	0.081	10.1
T1025	26.72	235.10	329	65.0	16.8	1418	2.72	11.0	0.7	761.5	3.4	35.4	1.26	0.94	2.01	33	1.55	0.086	14.8
T1026	8.66	346.10	416	89.3	9.1	234	1.74	7.2	8.5	1.0	1.8	37.6	2.54	2.02	0.16	185	0.76	0.081	11.0
T1027	20.27	131.20	146	65.4	16.1	346	2.39	6.5	1.3	2.4	2.4	19.6	0.39	0.39	0.20	40	0.58	0.069	15.0
T1028	15.70	246.60	330	54.9	10.7	226	2.23	4.9	4.5	3.0	3.5	22.0	0.76	0.40	0.25	36	0.60	0.073	20.8
T1029	93.08	1057.60	237	51.9	11.4	439	2.34	19.2	1.3	1.2	3.9	29.1	1.50	0.76	0.35	34	0.77	0.091	18.3
T1031	92.24	773.10	299	64.3	14.0	459	2.89	30.9	1.0	3.1	4.0	30.0	1.18	2.12	0.41	37	1.75	0.082	20.0
T1032	10.36	92.90	57	28.3	7.8	244	1.64	2.4	1.4	1.0	6.9	19.1	0.29	0.24	0.21	22	0.71	0.102	20.2
T1033	12.43	163.30	229	82.6	22.7	712	3.99	12.4	1.3	2.3	3.5	33.6	1.77	0.40	0.30	95	0.57	0.103	13.2
T1034	12.45	209.20	545	79.3	20.6	984	4.30	12.8	2.4	5.7	4.5	38.1	1.79	0.58	0.57	105	0.37	0.088	22.3
T1035	13.42	156.70	219	75.6	22.0	653	3.83	13.8	1.2	4.7	3.3	27.5	1.26	0.40	0.16	80	0.54	0.144	12.4
T1036	10.39	157.10	236	75.3	24.7	825	4.44	7.7	1.1	2.9	2.7	30.4	1.36	0.52	0.21	113	0.69	0.094	13.7
T1038	7.33	53.60	71	38.4	12.5	567	2.18	5.3	0.7	11.8	2.7	17.2	0.24	0.18	0.20	44	0.46	0.070	11.1
T1039	5.72	46.70	50	42.5	11.1	350	2.11	4.5	0.4	15.6	2.8	14.8	0.17	0.17	0.10	44	0.42	0.075	10.0
T1040	7.62	75.10	148	56.1	12.9	675	2.24	4.1	0.7	3.8	1.9	20.9	0.38	0.28	0.18	49	0.97	0.052	9.6
T1041	7.03	76.30	152	87.7	19.0	528	2.55	7.7	1.0	5.1	3.1	31.7	0.49	0.31	0.33	60	0.62	0.085	13.2
T1042	11.95	141.30	191	195.7	26.2	723	3.46	16.6	1.5	1.4	4.1	41.5	1.69	0.47	0.49	94	0.90	0.101	14.6
T1043	6.97	81.50	82	88.6	13.0	398	1.83	3.5	0.8	1.9	2.7	17.5	0.43	0.23	0.17	46	0.55	0.081	10.3
T1044	11.45	76.00	98	38.9	22.0	795	3.19	7.0	0.4	2.3	1.3	27.3	0.42	0.34	0.16	70	0.55	0.172	7.5
T1045	22.09	94.20	117	34.1	19.5	1213	3.19	6.0	0.6	1.9	1.5	18.9	0.77	0.28	0.15	64	0.45	0.103	11.1
T1046	17.96	84.70	127	32.0	16.0	800	2.79	5.6	0.7	62.9	1.4	21.3	0.62	0.29	0.18	60	0.46	0.105	9.9
T1047	17.22	103.60	129	38.0	17.8	851	3.04	6.1	0.9	4.2	1.4	29.6	0.65	0.28	0.22	63	0.65	0.099	9.8
T1048	18.16	92.90	148	38.7	17.5	717	2.94	5.9	1.1	2.6	1.3	25.9	0.50	0.25	0.18	59	0.58	0.108	9.4
T1049	27.16	77.70	193	43.1	18.4	517	3.14	15.6	0.9	37.0	2.2	23.1	0.53	0.36	0.19	39	0.55	0.102	12.2
T1050	11.59	60.20	144	27.0	14.7	1110	2.51	6.3	0.8	4.8	1.5	19.5	0.26	0.18	0.17	53	0.42	0.082	7.5
T1051	18.54	79.80	178	37.2	16.8	853	2.83	8.3	0.8	774.2	1.8	27.7	0.79	0.28	0.18	49	0.60	0.097	11.3
T1052	8.16	68.90	66	62.7	10.8	279	1.98	3.7	1.1	1.2	5.0	21.2	0.39	0.33	0.44	30	0.72	0.131	14.6
T1053	12.50	140.10	122	65.0	12.7	398	2.25	5.8	1.6	1.4	4.4	27.9	0.94	0.48	0.37	44	0.78	0.088	16.1
T1054	10.09	98.80	126	62.2	10.8	308	1.93	4.2	1.3	1.2	5.4	23.8	0.57	0.43	0.58	33	0.81	0.128	16.6
T1055	16.47	73.00	85	38.0	15.9	641	2.86	12.3	0.9	25.0	3.9	19.7	0.27	0.51	0.48	30	0.35	0.086	15.9
T1056	16.24	65.80	70	33.5	13.6	594	2.58	11.1	0.8	2.3	3.4	19.1	0.25	0.43	0.18	28	0.35	0.079	14.6
T1057	18.33	91.70	123	40.7	15.9	754	2.71	9.2	0.9	16.3	1.9	26.1	0.53	0.29	0.17	44	0.58	0.091	10.7
T1058	10.86	136.50	102	68.0	11.1	331	1.96	5.3	1.3	1.0	4.0	27.1	0.90	0.45	0.35	41	0.72	0.093	15.6
TAS01	3.91	172.6	202	143.1	33.0	675	4.43	2.5	0.8	2.3	1.7	37.8	2.82	0.32	0.13	181	1.42	0.132	9.6
TAS02	3.81	51.8	79	299.6	27.2	615	3.22	2.8	0.4	1.3	0.4	14.0	0.14	0.26	0.09	56	0.20	0.055	4.0
TAS03	5.89	80.2	71	268.8	54.6	1330	3.80	3.5	0.4	2.8	0.4	14.3	0.24	0.28	0.08	74	0.29	0.063	4.1

Appendix III
Table 1
Stream Sediment and Soil Geochemical Results

Sample	Cr_ppm	Mg_pct	Ba_ppm	Ti_pct	B_ppm	Al_pct	Na_pct	K_pct	W_ppm	Sc_ppm	Tl_ppm	S_pct	Hg_ppb	Se_ppm	Te_ppm	Ga_ppm	Sample_gm
T1019	47.1	0.75	201.1	0.013	1.0	0.95	0.005	0.04	0.05	1.5	0.07	0.010	18.0	0.30	0.01	2.8	1.0
T1020	47.4	2.13	125.8	0.044	3.0	0.98	0.006	0.05	0.20	2.9	0.12	0.050	73.0	1.00	0.05	2.8	7.5
T1021	106.4	1.58	223.5	0.026	1.0	1.09	0.007	0.04	0.30	2.2	0.09	0.030	33.0	0.60	0.04	3.1	15.0
T1022	53.6	1.59	125.5	0.032	2.0	0.82	0.010	0.04	0.20	2.8	0.07	0.070	46.0	1.80	0.01	2.5	15.0
T1023	24.6	0.55	234.6	0.032	1.0	0.76	0.007	0.03	0.10	1.6	0.04	0.070	20.0	0.80	0.01	2.4	30.0
T1024	46.9	0.90	284.8	0.024	3.0	0.72	0.005	0.02	1.10	1.8	0.06	0.040	36.0	0.70	0.02	2.2	1.0
T1025	49.9	1.11	249.1	0.034	1.0	0.87	0.005	0.04	0.20	2.1	0.08	0.040	87.0	0.60	0.05	2.5	7.5
T1026	51.5	1.05	121.9	0.070	1.0	1.47	0.023	0.12	0.30	2.8	0.22	0.010	19.0	1.20	0.02	5.1	30.0
T1027	66.4	0.94	249.0	0.029	1.0	1.40	0.010	0.07	0.10	3.3	0.10	0.005	37.0	0.40	0.03	3.9	30.0
T1028	31.0	0.68	299.0	0.065	1.0	1.41	0.016	0.14	0.20	3.9	0.18	0.020	95.0	0.60	0.02	4.3	30.0
T1029	42.6	0.78	268.1	0.052	3.0	1.05	0.012	0.10	0.50	2.8	0.25	0.010	86.0	1.20	0.04	3.4	15.0
T1031	47.0	1.28	585.6	0.031	1.0	0.88	0.006	0.05	0.50	2.9	0.09	0.010	44.0	0.40	0.05	2.7	30.0
T1032	19.9	0.74	93.6	0.053	0.5	0.82	0.008	0.14	0.30	1.8	0.12	0.005	9.0	0.20	0.02	2.7	30.0
T1033	97.0	1.83	240.7	0.088	0.5	2.20	0.023	0.29	0.05	6.0	0.30	0.030	7.0	1.80	0.08	6.7	30.0
T1034	63.9	1.59	202.1	0.094	1.0	3.32	0.025	0.44	0.20	6.7	0.60	0.030	35.0	2.90	0.11	10.5	30.0
T1035	91.9	1.62	212.7	0.065	0.5	1.81	0.014	0.20	0.05	5.1	0.23	0.020	2.5	1.90	0.06	5.7	30.0
T1036	123.8	2.49	222.0	0.104	1.0	2.92	0.015	0.26	0.05	6.1	0.24	0.020	14.0	1.70	0.06	8.6	30.0
T1038	55.8	0.97	130.0	0.059	1.0	1.30	0.015	0.09	1.00	2.8	0.13	0.010	12.0	0.10	0.02	4.2	30.0
T1039	59.3	0.82	96.6	0.055	1.0	1.03	0.014	0.07	0.50	2.6	0.09	0.005	14.0	0.10	0.02	3.5	30.0
T1040	66.2	1.27	198.7	0.072	2.0	1.65	0.022	0.12	0.10	4.2	0.14	0.020	20.0	0.40	0.02	5.5	30.0
T1041	91.3	1.41	252.0	0.080	3.0	1.79	0.029	0.22	0.30	4.1	0.18	0.010	15.0	0.70	0.05	6.0	30.0
T1042	170.4	2.00	324.4	0.117	3.0	2.26	0.050	0.40	0.70	5.5	0.35	0.040	26.0	1.80	0.05	7.3	15.0
T1043	76.8	1.04	230.8	0.053	1.0	0.95	0.016	0.06	1.30	2.3	0.13	0.005	14.0	0.40	0.01	3.3	30.0
T1044	55.6	1.33	177.5	0.088	2.0	1.59	0.005	0.25	0.05	4.0	0.12	0.010	8.0	0.40	0.02	5.0	30.0
T1045	69.0	1.61	145.6	0.073	1.0	1.75	0.007	0.12	0.20	4.3	0.08	0.020	16.0	0.80	0.03	6.1	7.5
T1046	60.9	1.33	151.3	0.071	1.0	1.55	0.007	0.12	0.05	3.9	0.08	0.005	15.0	0.60	0.02	5.3	30.0
T1047	64.6	1.46	156.7	0.069	1.0	1.71	0.008	0.13	0.05	4.2	0.10	0.030	25.0	1.00	0.03	5.9	15.0
T1048	62.6	1.36	131.3	0.063	1.0	1.68	0.007	0.12	0.05	3.8	0.09	0.020	28.0	1.00	0.03	5.4	30.0
T1049	51.8	0.86	69.3	0.031	1.0	1.22	0.006	0.08	0.10	2.6	0.06	0.030	33.0	1.30	0.04	3.3	30.0
T1050	44.1	1.26	134.2	0.061	1.0	1.60	0.011	0.09	0.05	3.7	0.10	0.005	22.0	0.40	0.03	5.1	30.0
T1051	54.6	1.21	134.8	0.054	0.5	1.56	0.009	0.13	0.05	3.7	0.09	0.010	34.0	1.10	0.03	4.5	30.0
T1052	51.2	0.93	175.6	0.045	0.5	0.72	0.010	0.12	2.10	1.9	0.09	0.020	6.0	0.40	0.02	2.4	15.0
T1053	50.5	1.13	167.2	0.069	0.5	1.19	0.016	0.19	1.70	2.7	0.18	0.030	15.0	1.00	0.04	3.9	15.0
T1054	41.4	1.02	172.0	0.053	0.5	0.89	0.013	0.15	2.60	2.3	0.13	0.020	11.0	0.60	0.03	3.1	30.0
T1055	34.8	0.71	63.8	0.031	0.5	1.11	0.006	0.10	0.05	2.4	0.06	0.020	15.0	0.70	0.02	3.3	15.0
T1056	29.9	0.65	56.5	0.029	1.0	1.05	0.006	0.07	0.05	2.0	0.05	0.010	17.0	0.50	0.03	3.0	30.0
T1057	50.5	1.11	115.4	0.052	2.0	1.45	0.008	0.11	0.10	3.5	0.08	0.030	23.0	0.80	0.03	4.5	30.0
T1058	50.9	1.09	181.7	0.058	1.0	1.08	0.017	0.16	2.50	2.5	0.17	0.005	13.0	0.80	0.04	3.4	30.0
TAS01	208.0	2.62	508.1	0.217	2.0	2.94	0.045	0.88	0.10	9.2	0.43	0.03	26.0	1.3	0.01	10.2	30.0
TAS02	358.2	4.38	91.1	0.046	3.0	1.49	0.010	0.03	0.05	2.8	0.05	0.04	16.0	0.2	0.02	4.5	15.0
TAS03	302.2	2.85	110.5	0.055	2.0	1.83	0.008	0.05	0.05	4.4	0.09	0.06	28.0	0.4	0.03	5.5	15.0

APPENDIX IV

Tabulated Rock Sample Geochemical Results

Appendix IV
Table 1
Rock Geochemical Results

SAMPLE	SAMPLER	LITHOLOGY	UNIT	COLOUR	SULPHIDES	TEXTURE
T027R	DJB	VQ	MQ	White	nil	massive w/ chl seams
T1007A	GAJ	VQ	GS	white	nil	coarse massive
TG06	GAJ	VQ	SL	white	nil	massive w/ clasts
TG07	GAJ	VQ	SL	white	nil	massive w/ chl seams
TG08	GAJ	VQ	MD	orange white	nil	massive
TG17A	GAJ	VQ	GS	white	nil	massive w/ chl seams
TG17B	GAJ	VQ	GS	white	nil	massive coarse
TG19B	GAJ	VQ??	GS	off white	nil	weakly fol to banded
TG21	GAJ	VQ	GS	white v minor grey	tr py po	massive w/ carbon seams
TG25	GAJ	VQ	MQ	white	nil	massive
TG07b	GAJ	VQC	SL	white and orange	nil	
TG24	GAJ	VQC	MQ	white	nil	massive
T1007B	GAJ	VQm	SL	grey mottled white	nil	massive
T1034A	GAJ	VQm	GS	grey mottled white	nil	vuggy
TG03	GAJ	VQm	GS	grey mottled white	nil	massive
TG16	GAJ	VQm	GS	grey mottled white	nil	massive
TG21A	GAJ	VQm	GS	grey mottled white	nil	massive
TG21B	GAJ	VQm	GS	grey mottled white	nil	massive
TG18	GAJ	SCP	GS	black	5 % py po	v strongly fol, v fine grained
TG23A	GAJ	SCP	GS	black	tr py po??	v strongly fol, fine grained
T1033A	GAJ	SCP to CS?	GS	black to dk grey	minor py po	strongly foliated
T1033B	GAJ	CS?	GS	ned green grey	1 % py po	blocky to foliated
TG09	GAJ	CS	GS	med grey	few % py maybe asp	foliated med grained
TG23	GAJ	CS??	GS	dk grey	10% py po	massive to fol, med grained
TG10	GAJ	CP	GG	lt to med green	nil	foliated fine grained
TG12	GAJ	CP	GG	m dark green	nil	strongly foliated fine grained
TG13	GAJ	CP	GG	m dark green		strongly foliated fine grained
T029R	DJB	listwanite	MQ	green flecked white	nil	foliated
TG19A	GAJ	micac quartzite?	MQ	tan	nil	mod foliated
T028R	DJB	gnessic granitic	MQ	off white S&P	nil	foliated cataclastic
T1031R	GAJ	quartz ss	MD?	tan	nil	massive med grained

Appendix IV
Table 1
Rock Geochemical Results

SAMPLE	DESCRIPTION	EASTING	NORTHING	COMMENTS	MO_PPM
T027R	rust tinged	543,519	6,833,351		0.22
T1007A		544,712	6,835,683		0.26
TG06	green grey qtzite clasts & chl seams	545,657	6,834,555		0.25
TG07		545,815	6,834,512		0.19
TG08	rust tinged	546,251	6,834,705		0.21
TG17A		545,280	6,834,651		0.20
TG17B		545,280	6,834,651		0.19
TG19B	granular qtz w/ white mica seams & carbonate	545,218	6,834,798		2.56
TG21	rust tinges, carbonac phyllite inclusions	544,823	6,834,951		0.62
TG25	rusty vugs	540,000	6,930,000		0.23
TG07b	quartz & orange weath carb,chl clasts & seams	545,815	6,834,512		0.24
TG24	orange weathering, has carbonate	540,000	6,930,000		0.21
T1007B	rust tinged	544,712	6,835,683		0.44
T1034A	rust tinged	544,549	6,834,553		0.50
TG03	nice mottling with grey	544,628	6,836,609		0.22
TG16	rust tinged	545,305	6,834,359		0.49
TG21A	slightly rusty weathering	544,823	6,834,951	thot had VG in field	0.57
TG21B		544,823	6,834,951		0.29
TG18	rusty	545,249	6,834,691		69.33
TG23A	rusty	544,761	6,834,846		20.11
T1033A	characteristics of both SCP & CS	544,730	6,834,790	rx u/s of T1033 crb qtzt w/ s	15.11
T1033B	rusty	544,730	6,834,790	rx u/s of T1033 calc sil w/ s	1.96
TG09	rusty	544,697	6,836,082		0.40
TG23	seems heavy, very rusty	544,761	6,834,846		1.47
TG10		545,221	6,837,356		0.11
TG12	rusty joints, carb veinlets	545,566	6,837,209		0.20
TG13	black flecks on foliation, serpentine??, carb vlts	545,555	6,837,242		0.05
T029R	quartz, carbonate, muscovite, fuchsite	543,430	6,832,850	location estimated	0.10
TG19A	rusty patches and vugs, white mica rich	545,218	6,834,798		3.81
T028R	f grained gnessic granite w/ small feldsp eyes	540,000	6,930,000		0.33
T1031R		545,694	6,837,129		0.07

Appendix IV
Table 1
Rock Geochemical Results

SAMPLE	CU_PPM	PB_PPM	ZN_PPM	AG_PPB	NI_PPM	CO_PPM	MN_PPM	FE_PCT	AS_PPM	U_PPM	AU_PPB	TH_PPM
T027R	52.71	0.82	10.9	174	12.1	7.8	168	1.16	30.30	0.05	85.8	0.2
T1007A	17.13	0.30	2.1	9	2.9	0.8	44	0.42	1.30	0.05	1.0	0.1
TG06	4.13	0.30	11.4	4	5.4	2.1	176	0.72	0.20	0.05	0.5	0.1
TG07	6.30	2.16	16.6	9	5.6	1.0	185	0.62	0.90	0.05	0.6	0.1
TG08	1.37	1.99	2.4	7	1.4	0.3	40	0.33	0.30	0.10	0.4	0.2
TG17A	2.03	0.99	2.9	6	7.3	1.3	97	0.25	0.70	0.05	0.3	0.1
TG17B	1.48	1.12	4.7	11	7.6	1.4	110	0.44	0.30	0.05	0.5	0.1
TG19B	16.33	3.98	5.3	103	4.4	1.2	86	0.71	1.90	0.30	2.9	0.4
TG21	138.77	0.93	6.4	112	54.4	15.8	95	1.10	0.40	0.10	0.8	0.2
TG25	66.65	6.51	5.2	21	23.0	4.3	621	0.68	1.00	0.05	0.1	0.1
TG07b	3.64	3.44	9.4	12	8.5	2.6	267	0.51	1.30	0.10	0.3	0.2
TG24	25.41	1.35	3.1	10	12.0	2.5	27	0.43	1.60	0.10	1.0	0.6
T1007B	4.87	3.26	14.6	24	4.6	0.5	43	0.30	0.70	0.05	0.4	0.1
T1034A	6.28	0.87	4.1	36	2.9	0.8	48	0.50	0.40	0.05	0.3	0.1
TG03	9.36	3.55	1.4	30	1.3	0.4	30	0.28	1.30	0.05	1.1	0.1
TG16	13.97	1.49	2.8	91	2.4	1.2	38	0.86	0.60	0.10	1.7	0.1
TG21A	3.07	2.63	10.4	34	17.6	1.2	54	0.43	8.90	0.05	0.8	0.1
TG21B	3.46	0.23	1.4	6	2.5	0.4	24	0.27	0.50	0.10	0.3	0.2
TG18	38.77	18.36	190.0	880	90.9	6.9	50	1.65	12.90	23.70	0.8	5.6
TG23A	71.83	10.43	155.6	714	72.7	16.6	371	2.20	0.05	3.30	0.9	6.8
T1033A	155.64	7.95	37.1	837	105.5	23.7	386	5.04	0.20	1.70	0.6	6.0
T1033B	132.70	2.41	60.8	459	37.2	35.6	180	4.05	0.40	0.20	2.8	1.3
TG09	301.85	6.48	75.7	736	61.8	39.5	529	4.43	0.05	0.05	1.3	0.1
TG23	133.37	5.76	91.6	614	46.4	41.6	437	7.11	6.70	0.10	4.5	1.1
TG10	57.71	0.67	80.7	20	29.6	22.6	824	3.20	0.40	0.10	0.7	0.5
TG12	36.66	0.31	45.0	22	9.3	12.4	662	3.34	0.40	0.10	0.4	1.1
TG13	47.16	0.42	50.3	16	56.1	20.9	703	2.99	0.20	0.05	0.8	0.2
T029R	2.63	2.27	9.4	15	40.1	4.7	200	0.31	1.30	0.05	0.8	0.1
TG19A	21.44	7.78	22.8	316	6.5	2.1	46	2.71	14.50	6.10	0.8	13.4
T028R	4.84	4.30	25.7	46	1.0	1.2	120	1.91	37.40	0.20	9.7	3.6
T1031R	0.47	39.22	8.7	3	0.9	0.6	632	0.69	3.20	0.20	0.6	1.0

Appendix IV
Table 1
Rock Geochemical Results

SAMPLE	SR_PPM	CD_PPM	SB_PPM	BI_PPM	V_PPM	CA_PCT	P_PCT	LA_PPM	CR_PPM	MG_PCT	BA_PPM	TI_PCT
T027R	3.9	0.07	0.08	0.02	7	0.37	0.020	0.5	16.3	0.21	21.8	0.003
T1007A	1.0	0.02	0.03	0.01	5	0.08	0.001	0.3	12.9	0.09	3.8	0.002
TG06	5.5	0.01	0.04	0.01	6	0.31	0.019	0.6	10.2	0.28	5.0	0.031
TG07	6.3	0.04	0.15	0.13	4	0.25	0.017	0.6	8.4	0.20	3.1	0.050
TG08	0.8	0.01	0.13	0.01	1	0.03	0.001	0.3	10.9	0.01	4.4	0.001
TG17A	32.0	0.03	0.05	0.06	3	0.48	0.001	0.3	23.8	0.10	5.8	0.004
TG17B	29.8	0.02	0.02	0.04	7	0.44	0.015	0.3	11.3	0.21	3.2	0.001
TG19B	1.2	0.04	0.50	0.23	4	0.05	0.002	1.3	16.2	0.01	20.8	0.003
TG21	3.5	0.04	0.08	0.08	8	0.26	0.003	0.8	17.4	0.09	22.9	0.002
TG25	18.9	0.06	0.03	0.04	1	0.51	0.007	0.6	12.9	0.15	8.6	0.001
TG07b	101.6	0.09	0.10	0.04	1	4.60	0.012	0.8	8.5	0.08	17.1	0.001
TG24	0.6	0.01	0.07	0.05	1	0.01	0.002	1.5	14.7	0.01	7.7	0.001
T1007B	3.0	0.16	0.04	0.03	1	0.18	0.001	0.3	10.5	0.03	3.1	0.001
T1034A	2.4	0.03	0.06	0.03	2	0.07	0.003	0.3	12.6	0.01	2.4	0.004
TG03	1.0	0.02	0.15	0.02	1	0.02	0.001	0.3	10.7	0.01	4.1	0.002
TG16	1.6	0.01	0.04	2.82	3	0.04	0.003	0.3	12.5	0.04	14.3	0.007
TG21A	10.0	0.05	0.12	0.03	4	0.06	0.001	0.3	42.8	0.18	5.5	0.001
TG21B	1.1	0.02	0.03	0.01	1	0.01	0.003	0.3	20.4	0.01	1.8	0.001
TG18	28.9	1.93	6.09	0.54	412	0.95	0.112	12.2	29.8	0.71	133.6	0.076
TG23A	122.8	2.87	0.27	0.70	195	1.88	0.090	12.7	106.8	1.36	120.9	0.075
T1033A	99.3	0.18	0.11	1.12	195	2.53	0.316	23.6	44.6	0.51	45.9	0.102
T1033B	23.3	0.10	0.08	2.12	108	1.01	0.234	7.0	13.2	0.84	94.3	0.188
TG09	148.8	0.33	0.02	1.21	117	3.38	0.054	0.8	171.0	1.14	96.6	0.090
TG23	62.2	0.09	0.14	0.78	222	1.50	0.221	6.1	23.8	2.12	39.1	0.221
TG10	64.6	0.12	0.04	0.02	64	0.85	0.125	3.0	53.0	2.36	13.0	0.088
TG12	77.0	0.10	0.07	0.02	121	2.51	0.071	7.3	40.9	1.83	451.7	0.071
TG13	47.9	0.03	0.06	0.01	88	1.49	0.039	1.5	353.7	2.48	288.5	0.105
T029R	18.3	0.35	0.20	0.01	5	1.29	0.002	1.1	45.5	1.19	29.2	0.009
TG19A	5.4	0.05	3.58	0.36	6	0.07	0.078	33.2	8.4	0.07	92.5	0.003
T028R	4.0	0.03	0.25	0.06	4	0.08	0.038	6.5	3.4	0.32	67.6	0.014
T1031R	373.2	0.09	0.01	0.01	1	34.79	0.007	6.9	2.3	0.44	41.0	0.001

Appendix IV
Table 1
Rock Geochemical Results

SAMPLE	B_PPM	AL_PCT	NA_PCT	K_PCT	W_PPM	SC_PPM	TL_PPM	S_PCT	HG_PPB	SE_PPM	TE_PPM	GA_PPM
T027R	0.5	0.23	0.003	0.03	0.2	0.7	0.02	0.42	5.0	0.10	0.02	0.6
T1007A	0.5	0.14	0.006	0.01	0.1	0.3	0.01	0.02	2.5	0.05	0.01	0.3
TG06	1.0	0.36	0.016	0.01	0.2	0.6	0.01	0.01	2.5	0.05	0.01	1.1
TG07	1.0	0.27	0.018	0.01	0.2	0.9	0.01	0.01	2.5	0.05	0.10	1.0
TG08	0.5	0.05	0.002	0.01	0.2	0.1	0.01	0.01	2.5	0.05	0.01	0.2
TG17A	1.0	0.07	0.002	0.01	0.3	0.3	0.01	0.02	2.5	0.05	0.01	0.2
TG17B	1.0	0.18	0.001	0.01	0.1	0.3	0.01	0.01	2.5	0.05	0.02	0.6
TG19B	2.0	0.05	0.001	0.02	0.3	0.3	0.01	0.02	2.5	0.70	0.02	0.2
TG21	1.0	0.12	0.002	0.02	0.3	0.6	0.02	0.63	5.0	1.20	0.01	0.6
TG25	1.0	0.06	0.003	0.02	0.1	0.5	0.01	0.04	2.5	0.10	0.01	0.2
TG07b	1.0	0.10	0.002	0.01	0.2	0.3	0.01	0.01	2.5	0.05	0.01	0.3
TG24	1.0	0.05	0.007	0.03	0.1	0.2	0.01	0.01	2.5	0.10	0.01	0.1
T1007B	0.5	0.04	0.004	0.01	0.2	0.2	0.01	0.02	2.5	0.10	0.01	0.1
T1034A	0.5	0.05	0.007	0.01	0.2	0.3	0.01	0.02	5.0	0.40	0.01	0.2
TG03	1.0	0.04	0.007	0.01	0.2	0.2	0.01	0.01	2.5	0.10	0.01	0.1
TG16	1.0	0.08	0.004	0.02	0.3	0.3	0.01	0.01	2.5	0.60	0.17	0.3
TG21A	0.5	0.19	0.008	0.01	0.3	0.3	0.02	0.02	2.5	0.05	0.01	0.5
TG21B	1.0	0.01	0.001	0.01	0.4	0.2	0.01	0.04	2.5	0.10	0.01	0.1
TG18	1.0	1.74	0.014	0.33	0.8	1.9	0.74	0.69	2.5	5.20	0.08	7.1
TG23A	1.0	4.02	0.304	1.04	0.1	9.1	1.00	1.43	2.5	11.00	0.08	13.6
T1033A	1.0	3.08	0.158	0.45	0.3	4.8	0.29	3.45	5.0	6.10	0.10	11.7
T1033B	1.0	1.52	0.101	0.68	0.2	4.3	0.69	1.79	2.5	1.90	0.06	7.0
TG09	4.0	5.73	0.404	0.51	0.1	10.4	0.52	2.82	2.5	9.90	0.08	14.3
TG23	1.0	3.54	0.113	1.50	0.4	8.7	0.65	3.27	2.5	2.30	0.12	13.2
TG10	1.0	2.46	0.011	0.01	0.1	2.5	0.01	0.01	2.5	0.05	0.03	5.7
TG12	1.0	1.51	0.060	0.01	0.1	12.4	0.01	0.01	2.5	0.10	0.01	5.2
TG13	0.5	1.95	0.030	0.01	0.1	4.5	0.01	0.01	2.5	0.05	0.01	6.7
T029R	0.5	1.41	0.036	0.08	0.1	1.0	0.02	0.01	2.5	0.05	0.01	1.3
TG19A	7.0	0.50	0.006	0.27	0.1	1.4	0.27	0.15	2.5	4.90	0.02	1.4
T028R	1.0	0.54	0.044	0.12	0.1	2.3	0.05	0.40	2.5	0.10	0.01	2.5
T1031R	0.5	0.03	0.002	0.02	0.1	1.3	0.01	0.01	2.5	0.20	0.01	0.1

APPENDIX V

Tabulated Replicate Geochemical Results

Appendix V
Table I
Analytical and Sampling Replicates

Sample	type	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppb	Ni_ppm	Co_ppm	Mn_ppm	Fe_pct	As_ppm	U_ppm	Au_ppb	Th_ppm
G-1	AB	0.20	1.9	2.52	44.6	7	3.7	4.3	565	2.00	0.1	2.2	0.5	3.9
G-1	AB	0.60	2.3	2.69	45.3	12	5.4	4.4	552	1.89	<.1	2.0	0.4	4.1
G-1	AB	0.65	2.3	2.36	38.8	9	6.1	3.5	473	1.61	0.1	2.2	0.5	4.1
G-1	AB	0.62	2.0	2.33	45.7	11	6.6	4.2	546	1.74	0.1	2.1	0.8	3.7
STANDARD DS6	AS	11.80	123.2	28.42	142.8	265	25.0	11.0	695	2.81	20.2	6.5	48.6	3.0
STANDARD DS6	AS	11.98	127.6	30.11	146.7	275	26.1	11.5	718	2.92	19.6	6.7	49.0	3.1
STANDARD DS6	AS	11.49	122.2	29.80	141.8	278	24.5	10.8	704	2.81	20.8	6.7	48.3	3.0
STANDARD DS6	AS	11.49	122.9	29.79	141.4	279	24.8	10.8	705	2.82	20.3	6.7	47.5	3.0
STANDARD DS6	AS	11.30	122.5	28.76	141.5	270	24.5	10.7	703	2.81	20.6	6.4	45.6	2.7
STANDARD DS6	AS	11.45	122.9	28.74	140.1	268	24.6	10.6	703	2.80	21.3	6.4	46.5	3.0
T1052	dup1	1.08	20.7	8.16	68.9	66	62.7	10.8	279	1.98	3.7	1.1	1.2	5.0
T1053	dup1	1.86	33.1	12.50	140.1	122	65.0	12.7	398	2.25	5.8	1.6	1.4	4.4
T1054	dup1	1.36	24.9	10.09	98.8	126	62.2	10.8	308	1.93	4.2	1.3	1.2	5.4
T1055	dup2	1.13	37.7	16.47	73.0	85	38.0	15.9	641	2.86	12.3	0.9	25.0	3.9
T1056	dup2	0.88	35.8	16.24	65.8	70	33.5	13.6	594	2.58	11.1	0.8	2.3	3.4
T1006	redo	6.12	82.9	10.17	251.0	314	89.3	27.2	845	4.36	9.3	1.9	3.3	4.6
T1006	redo	6.54	85.8	10.83	259.3	338	92.8	28.3	866	4.52	10.0	2.0	3.3	5.1
T1019	redo	1.07	35.3	45.69	539.4	81	75.8	14.5	410	2.78	15.1	1.1	1.0	4.3
T1019	redo	1.11	36.7	47.12	564.9	82	77.9	15.0	428	2.86	15.5	1.2	1.4	4.3
T1039	redo	0.55	15.7	6.00	44.5	50	42.0	10.8	364	2.11	4.2	0.4	12.8	2.8
T1039	redo	0.55	15.9	5.72	46.7	50	42.5	11.1	350	2.11	4.5	0.4	15.6	2.8
TG16	redo	0.51	13.9	1.37	2.6	78	2.5	1.1	37	0.86	0.6	0.1	2.6	0.1
TG16	redo	0.49	14.0	1.49	2.8	91	2.4	1.2	38	0.86	0.6	0.1	1.7	0.1
T027	RR	0.70	8.0	7.75	35.9	42	16.2	6.7	256	3.33	7.4	5.1	1.0	47.2
T1010	RR	1.29	55.1	5.57	93.0	153	163.3	24.2	531	3.12	3.5	0.9	1.5	1.7
T1030	RR	0.61	8.0	7.95	42.3	34	16.3	6.5	256	2.84	7.8	5.5	1.1	36.2
T1037	RR	0.66	8.6	7.98	45.6	35	17.3	6.9	263	2.76	7.7	6.8	0.9	33.1

Appendix V
Table I
Analytical and Sampling Replicates

Sample	type	Sr_ppm	Cd_ppm	Sb_ppm	Bi_ppm	V_ppm	Ca_pct	P_pct	La_ppm	Cr_ppm	Mg_pct	Ba_ppm	Ti_pct	B_ppm	Al_pct
G-1	AB	84.7	0.02	<.02	0.09	40	0.63	0.083	8.2	8.6	0.62	222.2	0.153	1	1.19
G-1	AB	60.0	0.01	0.02	0.12	37	0.59	0.076	8.1	60.7	0.59	214.0	0.129	<1	0.95
G-1	AB	52.4	0.01	0.02	0.06	31	0.43	0.080	6.9	69.2	0.50	162.9	0.097	1	0.83
G-1	AB	49.2	<.01	0.02	0.06	34	0.42	0.073	6.8	72.6	0.59	215.8	0.118	1	0.93
STANDARD DS6	AS	39.2	6.03	3.42	4.95	54	0.85	0.077	13.6	181.7	0.57	158.6	0.078	17	1.89
STANDARD DS6	AS	42.3	6.06	3.40	5.09	57	0.88	0.081	14.3	189.2	0.60	162.7	0.083	18	2.00
STANDARD DS6	AS	39.7	6.14	3.48	5.10	56	0.85	0.079	14.6	162.9	0.57	164.3	0.081	18	1.90
STANDARD DS6	AS	39.8	6.12	3.55	5.12	56	0.85	0.078	14.5	165.5	0.57	164.0	0.080	16	1.90
STANDARD DS6	AS	39.9	6.01	3.01	4.92	56	0.85	0.077	14.0	183.7	0.57	163.0	0.081	16	1.90
STANDARD DS6	AS	39.6	5.93	3.41	4.50	56	0.85	0.077	12.8	177.3	0.57	156.0	0.073	16	1.89
T1052	dup1	21.2	0.39	0.33	0.44	30	0.72	0.131	14.6	51.2	0.93	175.6	0.045	<1	0.72
T1053	dup1	27.9	0.94	0.48	0.37	44	0.78	0.088	16.1	50.5	1.13	167.2	0.069	<1	1.19
T1054	dup1	23.8	0.57	0.43	0.58	33	0.81	0.128	16.6	41.4	1.02	172.0	0.053	<1	0.89
T1055	dup2	19.7	0.27	0.51	0.48	30	0.35	0.086	15.9	34.8	0.71	63.8	0.031	<1	1.11
T1056	dup2	19.1	0.25	0.43	0.18	28	0.35	0.079	14.6	29.9	0.65	56.5	0.029	1	1.05
T1006	redo	51.5	2.85	0.32	0.75	124	0.85	0.110	18.5	94.0	1.89	340.8	0.116	2	2.78
T1006	redo	52.6	2.91	0.37	0.78	129	0.88	0.117	19.7	97.3	1.94	358.1	0.120	1	2.88
T1019	redo	21.3	1.17	0.75	0.22	22	0.93	0.083	21.5	45.2	0.72	203.7	0.013	2	0.92
T1019	redo	22.1	1.26	0.77	0.22	22	0.97	0.086	22.1	47.1	0.75	201.1	0.013	1	0.95
T1039	redo	14.9	0.16	0.17	0.10	46	0.41	0.070	10.5	63.3	0.83	100.6	0.060	<1	1.05
T1039	redo	14.8	0.17	0.17	0.10	44	0.42	0.075	10.0	59.3	0.82	96.6	0.055	1	1.03
TG16	redo	1.4	0.02	0.05	2.66	3	0.04	0.003	<.5	12.6	0.03	12.0	0.007	1	0.08
TG16	redo	1.6	0.01	0.04	2.82	3	0.04	0.003	<.5	12.5	0.04	14.3	0.007	1	0.08
T027	RR	26.0	0.17	0.33	0.32	75	0.86	0.289	99.4	24.8	0.39	108.7	0.035	4	0.74
T1010	RR	29.1	0.78	0.32	0.18	101	0.85	0.108	8.4	136.5	1.87	269.9	0.125	2	1.76
T1030	RR	24.9	0.15	0.30	0.52	59	0.63	0.198	76.0	22.4	0.45	77.7	0.046	<1	0.88
T1037	RR	25.5	0.16	0.28	0.30	54	0.63	0.181	74.0	22.5	0.50	81.7	0.049	<1	0.95

Appendix V
Table I
Analytical and Sampling Replicates

Sample	type	Na_pct	K_pct	W_ppm	Sc_ppm	Tl_ppm	S_pct	Hg_ppb	Se_ppm	Te_ppm	Ga_ppm	Sample_gm
G-1	AB	0.099	0.50	<.1	2.3	0.32	<.01	<5	<.1	<.02	5.3	30.0
G-1	AB	0.065	0.47	<.1	2.3	0.30	<.01	<5	<.1	<.02	5.1	30.0
G-1	AB	0.054	0.42	<.1	1.9	0.30	<.01	<5	<.1	<.02	4.0	30.0
G-1	AB	0.054	0.50	<.1	1.9	0.40	<.01	<5	<.1	<.02	5.0	30.0
STANDARD DS6	AS	0.071	0.15	3.6	3.2	1.73	0.02	225	4.2	2.13	6.6	30.0
STANDARD DS6	AS	0.075	0.17	3.6	3.3	1.81	0.04	233	4.4	2.28	6.6	30.0
STANDARD DS6	AS	0.072	0.15	3.4	3.4	1.72	0.02	231	4.3	2.22	6.3	30.0
STANDARD DS6	AS	0.072	0.14	3.4	3.3	1.73	0.02	234	4.2	2.22	6.2	30.0
STANDARD DS6	AS	0.072	0.15	3.5	3.2	1.72	0.02	230	4.4	2.24	6.2	30.0
STANDARD DS6	AS	0.071	0.14	3.6	3.3	1.74	0.02	223	4.3	2.20	6.2	30.0
T1052	dup1	0.010	0.12	2.1	1.9	0.09	0.02	6	0.4	0.02	2.4	15.0
T1053	dup1	0.016	0.19	1.7	2.7	0.18	0.03	15	1.0	0.04	3.9	15.0
T1054	dup1	0.013	0.15	2.6	2.3	0.13	0.02	11	0.6	0.03	3.1	30.0
T1055	dup2	0.006	0.10	<.1	2.4	0.06	0.02	15	0.7	0.02	3.3	15.0
T1056	dup2	0.006	0.07	<.1	2.0	0.05	0.01	17	0.5	0.03	3.0	30.0
T1006	redo	0.056	0.57	0.6	7.5	0.55	0.06	20	3.1	0.05	9.4	7.5
T1006	redo	0.059	0.59	0.5	7.7	0.59	0.05	20	3.5	0.09	9.7	7.5
T1019	redo	0.005	0.04	<.1	1.4	0.07	0.01	23	0.3	<.02	2.8	1.0
T1019	redo	0.005	0.04	<.1	1.5	0.07	0.01	18	0.3	<.02	2.8	1.0
T1039	redo	0.014	0.07	0.4	2.7	0.09	<.01	9	0.2	<.02	3.6	30.0
T1039	redo	0.014	0.07	0.5	2.6	0.09	<.01	14	0.1	0.02	3.5	30.0
TG16	redo	0.004	0.02	0.2	0.4	<.02	0.01	<5	0.6	0.18	0.3	30.0
TG16	redo	0.004	0.02	0.3	0.3	<.02	<.01	<5	0.6	0.17	0.3	30.0
T027	RR	0.013	0.06	0.7	1.8	0.05	<.01	<5	0.2	<.02	3.7	1.0
T1010	RR	0.026	0.28	0.1	5.2	0.20	0.01	26	0.6	0.06	6.1	30.0
T1030	RR	0.012	0.07	1.8	2.0	0.06	<.01	5	0.1	<.02	3.9	15.0
T1037	RR	0.013	0.08	2.2	2.0	0.07	<.01	<5	0.1	0.02	3.9	7.5

APPENDIX VI

YMIP Final Submission Form