PHASE 1 RECONNAISSANCE &

PROPERTY EXAMINATION REPORT

ON

THE KLC #1 – 80 CLAIMS

WHITEHORSE MINING DISTRICT
N. T. S. 105D/13 & 105D/14

LATITUDE: 60 48' 58" N
LONGITUDE: 135 28' 51" W

OWNER: 39231 YUKON INC.

BY: Wade Carrell – President

TANANA EXPLORATION INC.
27 Tutshi Road
Whitehorse, Yukon Y1A 3R4

DATE: MARCH 5, 2007

SUMMARY

It is estimated that the King Lake Copper property owned by 39231 Yukon Inc. contains an attractive new copper/gold porphyry prospect. Results from an ICP soil sampling program conducted in conjunction with a mobile metal ion soil sampling survey in 2006 suggest a large area of coincidental gold and copper anomalies, which overly a strong magnetic signature. Glacial outwash gravels, which appear to be of local origin, blanket most of the claimed area. Mapping of the property is difficult due to limited outcrop exposure (40%). Three small outcrops of massive porphyritic – hornblende diorite were found on the north end of the claims. Limited prospecting, of the immediate area, produced evidence of extensive copper/ gold mineralization. The best rock sample taken, returned a value of .46% copper and .966 gram / ton gold. This sample was a piece of quartz-calsite vein taken from outcrop in a fault zone on the west side of the claim block. This fault zone crosses the property from west to east and is intersected by a fault zone, which crosses the property from north to south. The soil/till surveys done in 2006 were an initial reconnaissance to test a new method of geochemical analysis (mobile metal ion multi-element leach), against ICP analysis, as phase 1, of a geochemical reconnaissance program. Digitizing of the old airborne magnetic survey by the Yukon Geological Survey, prospecting and the ICP / MMI soil sampling survey have returned results that indicate a previously overlooked copper / gold porphyry target.

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CLAIM MAPS 105D/13 & 105D/14: in pocket.
CLAIM STATUS REPORT: in pocket.
FIELD NOTES: in pocket.

CHAPTER ONE: INTRODUCTION

1 – 1: INTRODUCTORY STATEMENT

A reconnaissance prospecting and MMI soil- sampling survey was conducted in conjunction with an ICP soil survey on the KLC Claims in August of 2006, by personnel of 39231 Yukon Inc. Prospecting, digging and sampling of trenches was done in September and October of 2006, to enhance the initial survey. Phase two of the soil- sampling program was canceled due to time constraints. The property, which is located on the northwest end of the Whitehorse Copper Belt, is owned by 39231 Yukon Inc. and is being explored for it's copper/gold porphyry potential.

1 – 2: PROPERTY DESCRIPTION

The property, which consists of eighty contiguous quartz claims, located in the Whitehorse Mining District, covers the northwest end, of the Whitehorse Copper Belt, south of Takhini River on NTS map sheets 105D/13 & 14. The property is currently accessible by two all weather gravel roads from the Alaska Highway, ten kilometers west of Whitehorse, Yukon (see Figure 1).

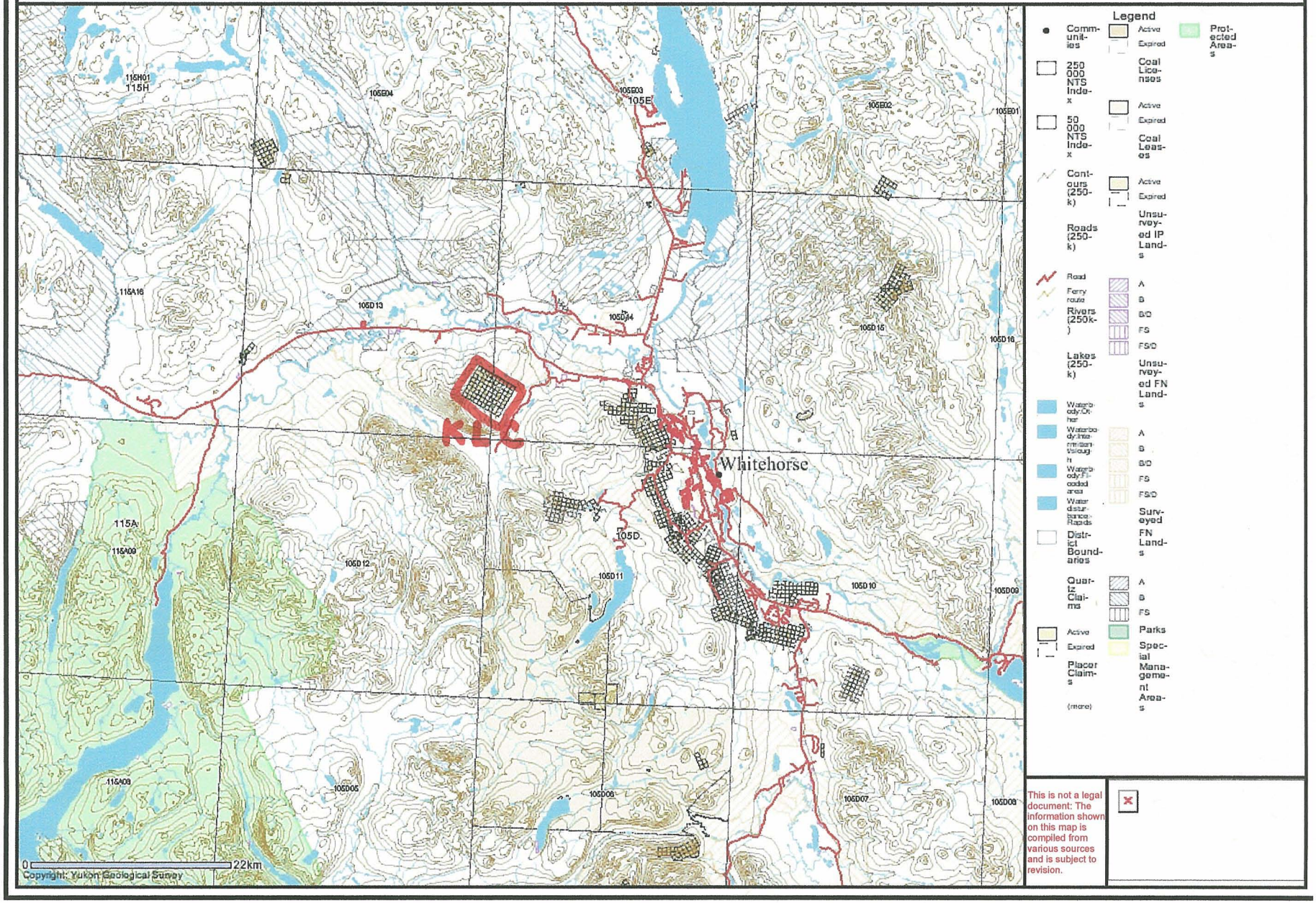
1 – 3: PROPERTY AND REGIONAL GEOLOGY

The King Lake area has been briefly visited by the G.S.C. (1974, 1975 and Hart, C.J.R., 1997). Most of the area is underlain by mafic- metavolcanic lithologies of the Laberge Group predominately consisting of conglomerate, greywackes and sandstones. The intrusive is a recessive grey-green hornblende diorite that at times shows porphyritic textures. Field examinations revealed widespread fracturing with quartz/calcite veinlets carrying malachite, bornite, chalcopyrite, molybdenum and abundant pyrite in two areas of good exposure. Outcrop exposure south of the lake is limited by a continuous covering of glacial tills. The intrusive, inferred from regional aeromagnetic data, appears to be greater than 5 sq. km. in size. The reader is advised of the updated reference list attached to this report. The referenced reports adequately describe the current knowledge of the geological environment of this area.

1 – 4: PHYSIOGRAPHY AND VEGETATION

The claim block is in a sub-alpine to alpine glaciated part of southwest Yukon. The area in question is moderately rugged, with two creeks cutting the property west to east. The southeast side is cut by several glacial outwash channels between the creek valleys, is well drained and moderately dipping with slopes generally less than 30 degrees. The north and west side of the property, is much steeper, with slopes attaining 45 degrees and more. The creek valley southeast of King Lake contains two areas of discontinuous permafrost under a thick moss layer. Vegetation consists primarily of pine

King Lake Copper: Claim Location Map



forest. South facing slopes are more open, well drained and support abundant pine and poplar trees. Alder and willow are common in the wetter areas near the creeks. Black spruce is dominant in the two bogs.

1 – 5: HISTORY OF CLAIMS

The KLC claim group consists of 80 contiguous quartz claims, (staked in June, 2006) located in the Whitehorse Mining District. These claims are registered as: KLC #1 (YC46921) to KLC #80 (YC47000).

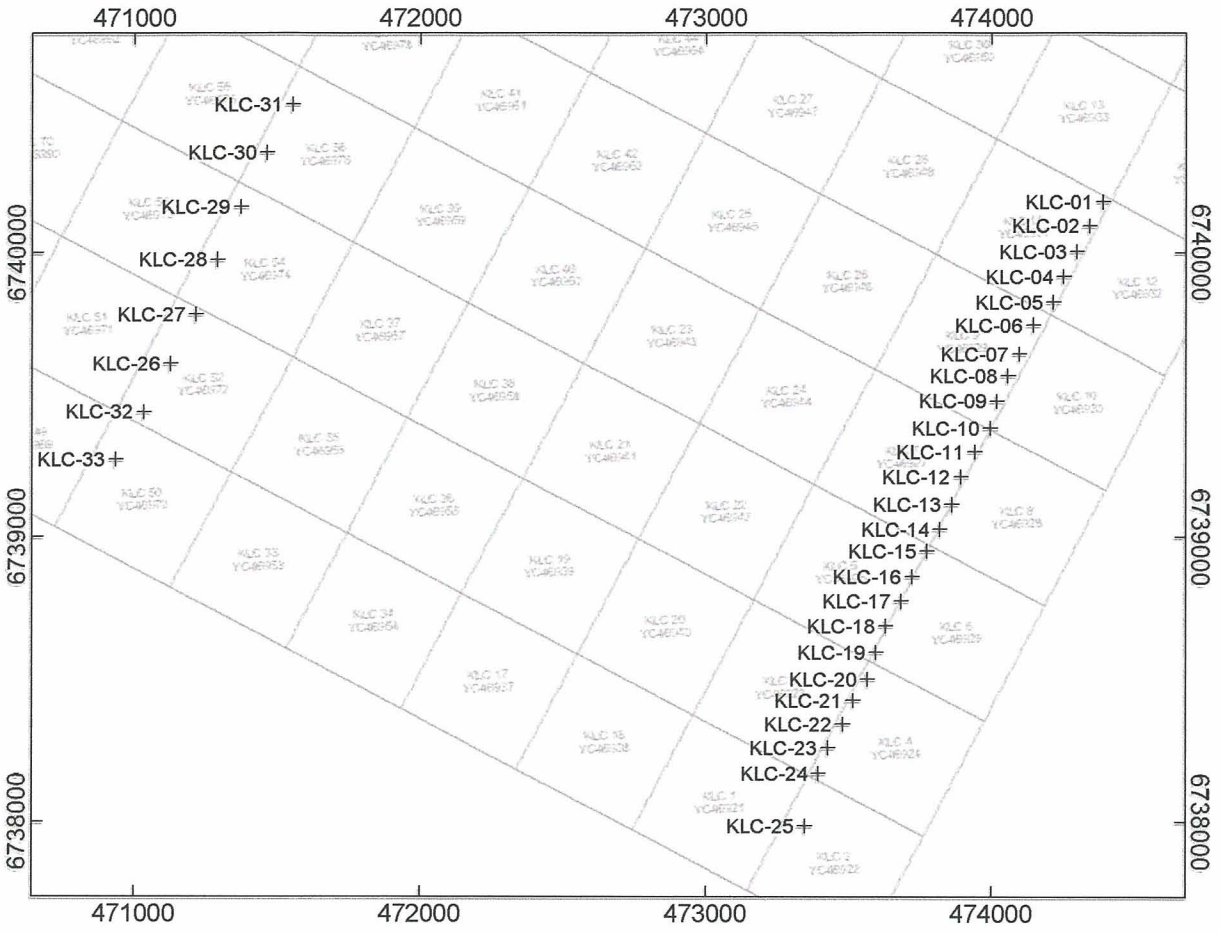
1 – 6: PREVIOUS EXPLORATION

Only limited testing of the copper / molybdenum potential of this property has been completed to date. Only one serious exploration program was conducted by United Keno Hill Ltd.: road construction; geological mapping; geochemical sampling; in 1974, EM; IP and Magnetometer surveys; in 1975 and 14 holes drilled for a total of 1,541.1 meters in 1975. The results of these surveys are still held in confidence. Yukon Exploration and Geological Services did geological mapping in the area in 1997 (see Attachment E and References). The Geological Survey of Canada digitized the airborne magnetic survey in 2005 & 2006 (see Attachment E).

1 – 7: DESCRIPTION AND SUMMARY OF WORK

A total of 22 man-days were spent prospecting and sampling the KLC claims and preparing and shipping the samples for analysis. Two grid lines were run using two of the claim common lines. Grid line #1 extends 2450 meters southwest on claim common line #1, starting with sample KLC-01at post #2, KLC #11 & #12. The last sample taken on line #1 was KLC-25, 200 meters south of post #2, on claim KLC #2. The #2 grid line extends 1000 meters northeast near claim common line #4, starting at a point in the center of claim KLC #52, with sample KLC-26. The last sample taken on the northeast end of line #2 is KLC-31 on claim KLC #56. Soil sampling was shifted to the southwest of sample #26 to avoid a large bear in the immediate area. Grid line #2 was extended 800 meters southwest of sample #26. Sample KLC-32 was taken on claim KLC #52. The last sample taken on line #2 is KLC-34 located 100 meters northeast of post #1 on claim KLC #50. ICP and MMI pit sampling commenced on August 9th and was completed on August 15th. ICP & MMI soil samples were collected at 100- meter stations on grid line #1. ICP & MMI soil samples were collected at 200- meter stations on grid line #2 (see figure #2). Prospecting of the claims began on September 19th. Hand digging of trenches in the West Fault Zone began September 19th. Prospecting and hand trenching ended October 5, 2006.

Mobile metal ion soil sampling was carried out in accordance with techniques outlined by J. Bond of the Yukon Geological Survey. Jeff Bond, Steve Traynor and Kirk Unger of the Y.G.S. supervised and assisted with the soil sampling orientation survey (see field notes in map pocket). A total of 140 soil



Scale 1:25000

250 0 250 500

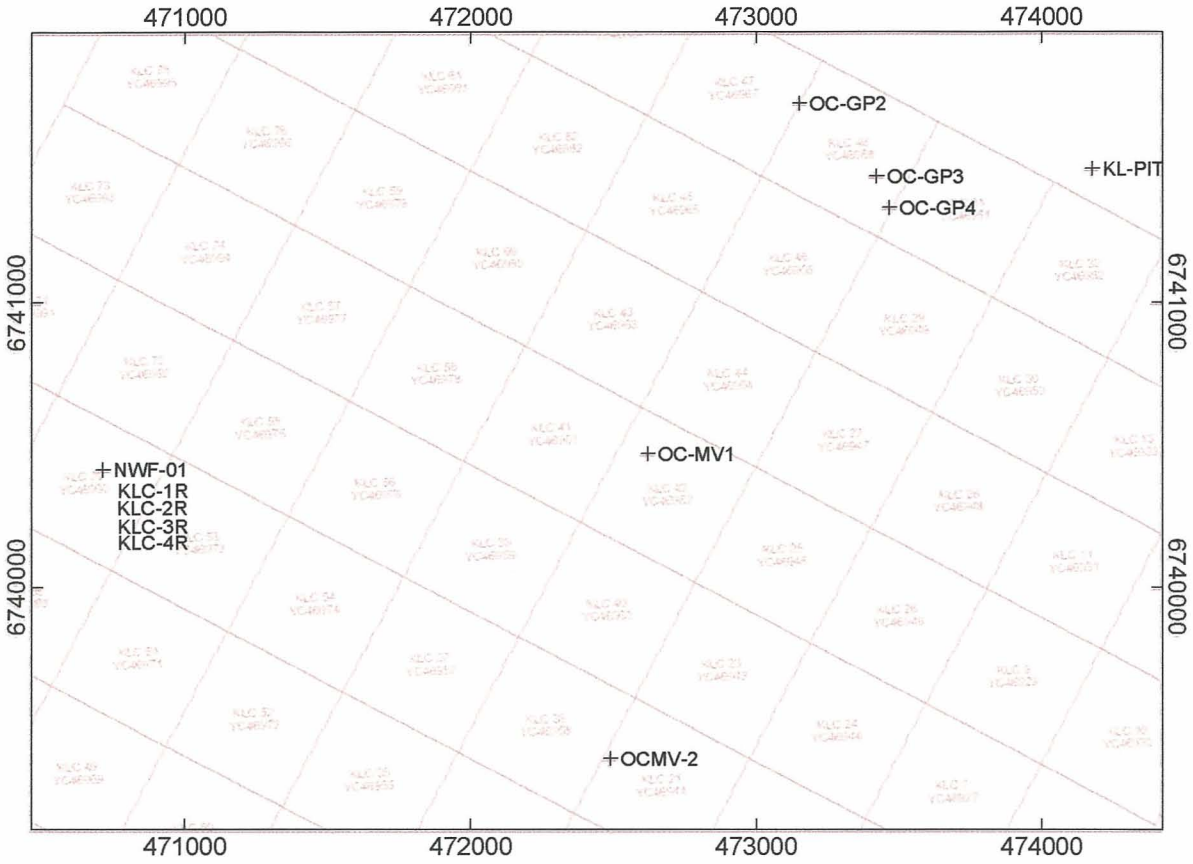
(meters)

NAD83 / UTM zone 8N

Tanana Exploration Inc.

King Lake Project
Soil Grid
Location of Soil Samples

January 17, 2007



Samples plotted as:

GPS point number
Assay sample number

Scale 1:25000

250 0 250 500

(meters)

NAD83 / UTM zone 8N

Tanana Exploration Inc.

King Lake Project
Location of Rock Samples

January 17, 2007

samples were collected for the initial MMI survey. A total of 34 ICP soil samples were collected for comparison to the MMI survey and to test the region. 10 rock samples were collected from the claim area and 5 were shipped for ICP analysis. The first stage of the exploration of the KLC claims was completed October 5th.

No areas of permafrost were encountered during the MMI soil- sampling program.

CHAPTER 2: ANALYSIS AND DISCUSSION

2 – 1: ROCK SAMPLING:

Ten rock samples were taken from float and outcrop. Five samples were taken from trenches in the West Fault Zone and five were taken from bedrock exposed by trenching in areas west of the blast pits south of King Lake. Rock samples were placed in plastic sample bags, sealed, numbered and five were shipped for analysis. Sample sites were GPS located (see Figure 3). Samples were shipped for analysis at Acme Analytical Laboratories; in Vancouver. The five samples were crushed, screened to –80 mesh and thirty grams from each was tested for 32 elements (standard ICP package). The best rock sample returned an assay of .46% copper and .966 gram / ton gold and was taken from trench #4 in the West Fault Zone.

2 – 2: ICP SOIL SAMPLING

Thirty- four test pits were sampled by hand digging with a pick and shovel to a minimum depth of sixty centimeters. Samples were taken from the bottom of each pit, placed in kraft paper soil bags, numbered, sealed and shipped to Acme Analytical Laboratories Ltd; 852 East Hastings Street; Vancouver, B. C. V6A 1R6 for analysis. All pits were GPS located (see location map). The samples were dried, crushed, screened to –80 mesh and 30 grams from each sample was tested for 32 elements (standard ICP analysis). Results were emailed to me in excel- spread sheet format. Anomalous populations were determined; graphs and maps were generated and compared to the information gathered from the mobile metal ion geochemical survey. Digital compilation of data was completed by Mr. Robert Stirling of Stewart Basin Exploration Ltd.(contract geologist / geophysicist), of Whitehorse, Yukon.

2 –3 MMI SOIL SAMPLING SURVEY

Mobile Metal Ion, multi element leach, soil geochemistry sampling was carried out in conjunction with ICP soil sampling as an experiment, to obtain geochemical results, in an area of known glacial cover and to test a known airborne-magnetic geophysical anomaly. An orientation survey of thirty- five sample pits was dug on two separate grid lines. The sample pits are GPS located (see Figure 2). The two lines are 1800 meters apart and run in parallel across the geophysical target. Twenty- five- sample pits were dug at 100 meter spacing to a minimum depth of 60 centimeters. Ten- sample pits were dug at 200 meter spacing to a minimum depth of 60 centimeters. Four- samples are taken from each pit at 10 cm spacing. The sample spacing is measured down from the bottom of the live organic layer at the top of the pit. Samples are taken from the bottom up to avoid cross contamination. Samples are taken with a plastic scoop and placed in plastic freezer bags, then sealed and double bagged for shipment. Each sample is a minimum of 30 grams in weight. Each sample is numbered separately and each pit is described in notes for future geological referencing. Analysis of one hundred twenty - 30- gram samples was completed by SGS Canada Inc.; 1885 Leslie Street; Toronto, On; and employed mobile metal ion multi-element leach analysis. Results of the geochemical analysis were emailed to me in excel spread- sheet format. The highest values from the one hundred twenty samples taken were grouped by location and position of sample taken from each pit. Digital compilation of the data and generation of graphics was completed by Danielle Heon (contract geologist) of Whitehorse, Yukon. The results of this work, was forewarded to Robert Stirling (contract geologist / geophysicist) for compilation with the ICP information. Mr. Stirling generated graphics, sample location and anomaly maps. The most coincident copper / gold values, came from the north end of the grid lines. The high gold values on the north end of the sample lines is attributed to the proximity of the West Fault Zone, which may cross the entire property. One gold anomaly at the southwest end of line #1 may be attributed to another fault zone. Elevated values for copper are broader; to the southwest, which may reflect the deeper buried intrusive. Lead, molybdenum, cobalt, nickel and high rubidium and strontium are coincident with most of the elevated copper values. One tungsten anomaly is coincident with the gold anomaly at the north end of line #1.

No areas of permafrost were encountered during the MMI soil sampling survey. Frozen ground has no negative effect on the geochemical results.

CHAPTER 3 – CONCLUSIONS & RECOMMENDATIONS

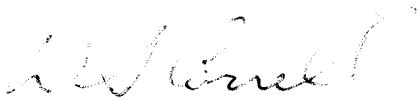
The significance of the Mobile Metal Ion soil sampling survey on the KLC property cannot be understated. Large coincidental anomalies of copper and gold, on both of the grid lines, gives evidence of a well developed mineralized system related to the geophysical target covered by the claim block. The north end of line #1 has an anomaly over 400 meters long. Line #1 has three more anomalies over 100 meters long. Line #2 has a gold anomaly over 200 meters long. The ICP survey samples are relatively flat but tend to mirror the MMI anomalies. A close spaced follow-up MMI soil- sampling program (25- meter spacing), should be carried out over the four-copper/gold anomalies of grid line #1 and the one gold anomaly at the north end of grid line #2. The geochemical survey needs to be extended to the north, south, east and west in order to test the full potential of the magnetic anomaly (in excess of 5 sq. km.). 200 meter spacing of sample locations on the claim common lines is effective for reconnaissance sampling of the extended soil grids. Follow-up sampling of anomalous zones with 50- meter stations will delineate targets. Further, the clasts recovered through digging of the MMI sample pits should be collected as individual samples and, after washing, examined and or submitted for geochemical analysis. This will provide a preliminary understanding of the local geology underlying the claims. The rock outcrops seen on the claims were mafic- metavolcanics of the Laberge Group, except for four small showings of cloritically altered grey-green porphyritic hornblende diorite located north, south and west of King Lake.

Limited prospecting and trenching of the West Fault Zone- located on the west side of the claim block produced four anomalous rock samples. Sample KLC-4R, a piece of quartz-calcite vein in greenstone (outcrop in fault), assayed .46% copper and 966 ppb gold.

It is recommended that the claim block be expanded to the North, East, South and West to secure a larger position in the area.

It is recommended that following staking, a ground magnetic survey be conducted over the claim block in order to define the magnetic anomaly in the area.

Respectfully submitted



Wade S. Carrell, President
Tanana Exploration Inc.

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DEKLERK, R. & TRAYNOR, S. (COMPILERS), 2004. Yukon Minfile – A database of mineral occurrences. Yukon Geological Survey, CD-ROM.

HART, C.J.R., 1997. Geology of Upper Laberge map area, southern Yukon, (NTS 105D/14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1997-5, 1:50 000 scale.

HART, C.J.R., 1997. A Transect Across Stikinia: Geology of the Northern Whitehorse Map Area, Southern Yukon Territory (105D/13 to 16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 8, 112 p.

MINERAL INDUSTRY REPORT 1974, p. 144-145; **1975,** p. 1, 7, 104-108.

TRAYNOR, S. and WILSON, C., Apr/99. Assessment Report #094010 by S. Traynor.

UNITED KENO EXPLORATION, Sept/75. Assessment Report #091129 by A. Beavan

YUKON GEOLOGICAL SURVEY WEBSITE – MAP GALLERY

ATTACHMENT A

ACTIVITY LOG

Personnel: Wade Carrell, Ivan Elash and Neil Regimbald

ACTIVITY LOG

DATE	PERSONNEL WC	IE	NR	ACTIVITY DESCRIPTION
May 31/06	x	x	x	Claim staking at King Lake
June 01/06	x	x	x	Claim staking at King Lake
June 02/06	x	x	x	Claim staking at King Lake
June 03/06	x	x	x	Claim Staking at King Lake
Aug 09/06	x	x		ICP & MMI soil sampling
Aug 10/06	x	x		ICP & MMI soil sampling
Aug 15/06	x	x		ICP & MMI soil sampling
Aug 16/06	x			Package & ship ICP-soil samples to Acme Lab in Vancouver, B.C.
Sept 15/06	x			Package & ship MMI-soil samples to SGS Canada Lab in Toronto, On.
Sept 19/06	x	x		Prospecting & hand trenching
Sept 20/06	x	x		Prospecting
Sept 22/06	x	x		Prospecting
Sept 23/06	x	x		Prospecting & hand trenching
Sept 25/06	x	x		Prospecting
Sept 26/06	x	x		Prospecting
Oct 04/06	x	x		Prospecting & hand trenching
Oct 05/06	x	x		Prospecting & hand trenching
Oct 06/06	x			Package & ship ICP-rock samples to Acme Lab in Vancouver, B.C.
Oct 22/06	x			Package & Ship MMI-soil samples to SGS Canada Lab in Toronto, On.

ATTACHMENT B

CERTIFICATES OF GEOCHEMICAL ANALYSIS

Acknowledgement of Analytical Request

Work Order: 090782

SGS Canada Inc.
Minerals Services
1885 Leslie Street
Toronto
ON
M3B 2M3

To: **Tanana Explorations Inc.**
27 Tutshi Rd.
WHITEHORSE
YUKON Y1A 3R4

Date: Sep 27, 2006

P.O. No.	: KING LAKE COPPER
Project No.	: DEFAULT
No. Of Samples	: 55
Date Submitted	: Sep 26, 2006
	:
	Pages 1 to 1

We received a shipment via Greyhound

Waybill Number: 714 9768 5114

Distribution of unused material:
Discard after 90 days: 55 Soils

Estimated Date of Completion: Friday, October 27, 2006
Analytical request:

Code	Description	Samples
MMI-M5	**Mobile Metal Ions Process,Multi-element leach**	**55**

We thank you for your order,

Stuart Lam

Certificate of Analysis

Work Order: 091499

To: Tanana Explorations Inc.
Attn: Wade Carrell
27 Tutshi Rd.
WHITEHORSE
YUKON Y1A 3R4

Date: Dec 13, 2006

P.O. No.	KING LAKE COPPER
Project No.	DEFAULT
No. Of Samples	27
Date Submitted	Nov 30, 2006
Report Comprises	Pages 1 to 6 (Inclusive of Cover Sheet)

Distribution of unused material:

27 Soils

Certified By :

Stuart Lam
Operations Manager

ISO 9002 REGISTERED
ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

ATTACHMENT C

ICP AND MMI SPREAD SHEETS AND GRAPHICS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PH(
Tanana Exploration Inc.
Acme file # A607837 Received: OCT 27 2006 * 6 samples in this disk file.
Analysis: GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 D

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
SAMPLES ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
G-1	2.3	5	3.9	51	<.1	5.3	4.8	613
KLC-1R	186	963.4	3.4	71	0.3	18.9	11.8	389
KLC-2R	0.8	3923.5	2.3	17	1.7	2.5	6.3	183
KLC-3R	3.2	3995.4	1.3	9	1.1	1.8	3.4	231
KLC-4R	1.6	4687.8	0.9	6	1.9	2.2	5.3	98
STANDAR	21.1	108.9	74.2	429	0.9	55.9	9.7	652

ONE(604)253-3158 FAX(604)253-1716

)EG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
2.25	1.1	2.5	6	5.6	120	<.1	<.1		0.2
3.4	4.9	4.2	9.9	9.6	25	<.1		0.4	0.1
2.03	5.9	0.3	17.9	0.1	3	0.1	0.2	<.1	
1.2	2.6	0.1	26.9	0.1	9	0.3	0.1		0.1
1.36	8.4	0.2	966.2	<.1	1	0.1	0.2		0.1
2.47	50.2	5.2	79	5.3	74	6.6	6.1		4.7

V	Ca	P	La	Cr	Mg	Ba	Ti	B
ppm	%	%	ppm	ppm	%	ppm	%	ppm
50	0.74	0.087	13	21	0.63	281	0.165	1
86	0.89	0.308	22	17	1.02	91	0.152	3
15	0.17	0.042	3	6	0.29	36	0.018	2
5	0.98	0.009	2	7	0.15	13	0.008	2
9	0.07	0.016	1	9	0.09	13	0.002	2
86	0.97	0.082	14	176	1.09	391	0.129	38

Al	Na	K	W	Hg	Sc	Tl	S	Ga	
%	%	%	ppm	ppm	ppm	ppm	%	ppm	
1.36	0.191	0.64	5.7	0.01	3.1	0.4	<.05		6
1.27	0.034	0.72	8.4	0.01	2.4	0.1	0.06		6
0.71	0.005	0.16	0.2	0.01	0.9	<.1	<.05		2
0.32	0.003	0.06	0.2	0.01	0.5	<.1	0.15		1
0.27	0.002	0.09	0.1	0.01	0.4	<.1	0.09		1
1.03	0.079	0.47	4	0.2	3	4.2	0.2		6

Se
ppm
<.5
<.5
0.7
0.9
2.6
3.6

KLC SGS
7sample locations with 4 samples/location graphs labelled 1-5-10
27 sample locations with only 2 samples/location

KLC11-2: coincident elevated Fe, Ti, Zr values, could be due to presence of granitic rock?

some spotty anomalies in sample horizon 3:

KLC-25-3: Au
KLC-30-3: Au
KLC-2-3 Cu, Ni
KLC-4-3: Cu
KLC-13-3 : Cu
KLC-20-3: Zn

ANALYTE	**Ag**	Al	**As**	**Au**	Ba	Bi	Ca	Cd	Ce	Co	Cr	**Cu**	Dy	Er	Eu	Fe
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIC	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM
KLC-1-1	8	154	10	0.1	1250	<1	210	10	171	**108**	<100	250	24	12.8	5.5	85
KLC-5-1	37	231	30	0.1	1830	<1	120	<10	100	61	<100	210	12	6	3.3	112
KLC-10-1	14	156	<10	<0.1	2260	<1	230	<10	97	30	<100	120	12	6.3	3.2	44
KLC-15-1	34	26	10	<0.1	2960	<1	290	<10	64	9	<100	160	6	2.5	1.6	33
KLC-20-1	50	49	10	<0.1	6520	<1	310	<10	100	13	<100	210	8	4.3	2.1	52
KLC-25-1	13	112	10	0.4	1140	<1	230	<10	155	18	<100	160	8	4.1	3.2	53
KLC-30-1	10	97	20	0.2	3500	<1	60	<10	316	15	<100	**430**	18	7.8	5.9	9
median	*14*	*112*	*10*	*0.15*	*2260*	*#NUM!*	*230*	*10*	*100*	*18*	*#NUM!*	*210*	*12*	*6*	*3.2*	*52*
KLC-1-2	44	160	20	0.3	2000	<1	120	<10	270	19	<100	470	24	11.2	7.1	47
KLC-5-2	45	137	10	0.2	530	<1	90	<10	142	17	<100	**560**	11	5.2	3.6	19
KLC-10-2	34	240	30	<0.1	2760	<1	110	<10	78	19	<100	230	6	3.1	1.9	55
KLC-15-2	43	39	20	<0.1	3070	<1	190	<10	91	9	<100	310	9	3.9	2.3	17
KLC-20-2	33	57	10	0.1	3110	<1	260	<10	96	11	<100	360	10	4.6	2.4	39
KLC-25-2	11	79	20	0.2	460	<1	80	<10	132	9	<100	230	11	5.2	3.1	27
KLC-30-2	14	35	20	0.3	3460	<1	70	<10	123	<5	<100	270	10	4.3	3.6	5
KLC-2-2	15	37	20	0.4	2680	<1	390	<10	117	10	<100	**860**	12	5.1	4.1	37
KLC-3-2	5	22	10	0.2	2720	<1	340	<10	69	10	<100	340	2	0.9	0.9	23
KLC-4-2	25	29	10	0.3	3110	<1	270	<10	61	14	<100	340	7	2.9	2	18
KLC-6-2	13	121	20	<0.1	730	<1	130	<10	87	14	<100	150	9	3.9	2.5	33
KLC-7-2	23	80	10	0.1	1230	<1	250	<10	49	9	<100	130	4	1.8	1.5	20
KLC-8-2	17	105	20	0.1	820	<1	200	<10	52	12	<100	440	6	2.7	1.7	34
KLC-9-2	17	193	20	0.2	1790	<1	100	<10	108	14	<100	250	10	4.6	3.3	46
KLC-11-2	10	261	20	0.1	1680	<1	40	<10	138	18	100	120	9	4.2	3	**127**
KLC-12-2	32	30	<10	<0.1	2010	<1	270	<10	70	8	<100	150	7	3.1	2.1	12
KLC-13-2	10	18	10	0.2	1700	<1	320	<10	91	**46**	<100	270	15	6.8	3.7	8
KLC-14-2	9	122	20	<0.1	920	<1	100	<10	117	21	<100	210	10	4.3	3	50
KLC-16-2	13	38	20	0.2	2350	<1	180	<10	89	26	<100	240	6	2.9	1.7	28
KLC-17-2	13	39	10	0.1	6160	<1	200	<10	74	9	<100	290	6	2.9	1.7	18
KLC-18-2	8	18	20	<0.1	2780	<1	110	<10	381	14	<100	320	14	6.1	3.4	7
KLC-19-2	21	138	10	<0.1	2920	<1	180	<10	264	14	<100	420	29	13.4	7.5	65
KLC-21-2	17	15	10	0.1	3300	<1	290	<10	224	21	<100	360	18	8.2	4.4	21
KLC-22-2	22	57	<10	0.2	1060	<1	230	<10	48	9	<100	200	6	2.8	1.9	19

ANALYTE	**Ag**	Al	**As**	**Au**	Ba	Bi	Ca	Cd	Ce	Co	Cr	**Cu**	Dy	Er	Eu	Fe
KLC-23-2	25	13	<10	0.2	4140	<1	420	<10	222	22	<100	460	23	10.2	6.2	14
KLC-24-2	14	102	<10	0.2	4580	<1	290	<10	79	8	<100	450	13	5.9	3	30
KLC-26-2	10	275	<10	<0.1	850	<1	10	20	119	20	<100	170	16	7.8	4.3	37
KLC-27-2	14	296	10	0.2	730	<1	30	10	100	35	<100	200	16	8	3.7	70
KLC-28-2	7	173	10	0.2	660	<1	140	<10	112	14	<100	190	14	6.6	3.5	26
KLC-29-2	38	299	<10	0.2	470	<1	10	<10	99	8	<100	140	31	15.5	6.1	31
KLC-31-2	15	113	<10	0.3	1860	<1	130	<10	192	21	<100	350	21	9.6	6.4	11
KLC-32-2	17	160	<10	<0.1	1280	<1	220	<10	31	7	<100	120	8	4	1.8	21
KLC-33-2	3	76	10	0.2	3330	<1	70	<10	103	12	<100	220	7	3.1	2.1	18
KLC-34-2	15	197	10	0.1	490	<1	20	<10	285	12	<100	180	20	9.5	7	28
median	*15*	*91*	*15*	*0.2*	*1930*	*#NUM!*	*160*	*15*	*101.5*	*14*	*100*	*260*	*10*	*4.6*	*3.05*	*26.5*
KLC-1-3	8	99	20	0.3	5010	<1	140	<10	438	17	<100	880	31	13.7	9.6	31
KLC-5-3	**42**	126	10	0.5	440	<1	80	<10	142	17	<100	570	15	6.7	4.2	14
KLC-10-3	20	163	30	0.1	2480	<1	50	<10	106	17	<100	310	7	3.5	2.2	27
KLC-15-3	25	28	20	0.2	4030	<1	190	<10	94	22	<100	660	9	3.5	2.2	9
KLC-20-3	27	60	20	1.3	1230	<1	160	<10	129	9	<100	370	10	4.5	2.7	25
KLC-25-3	13	43	20	**3.5**	360	<1	50	<10	75	13	<100	210	7	3.2	2	6
KLC-30-3	20	37	20	**1.5**	3450	<1	80	<10	112	<5	<100	360	12	5.2	4.4	6
KLC-2-3	9	53	<10	0.5	1670	<1	460	<10	330	17	<100	**2170**	54	21.1	15.1	56
KLC-3-3	2	12	<10	0.3	3070	<1	350	<10	82	<5	<100	440	2	0.8	0.7	11
KLC-4-3	16	25	<10	0.4	5220	<1	330	<10	174	10	<100	**1460**	27	11.3	7.6	9
KLC-6-3	25	181	10	0.1	1000	<1	110	<10	257	15	<100	380	21	8	6.5	14
KLC-7-3	22	123	<10	0.1	1470	<1	220	<10	64	10	<100	330	7	2.7	2	12
KLC-8-3	16	108	20	0.1	860	<1	170	<10	72	13	<100	210	8	3.4	2.3	13
KLC-9-3	8	136	10	0.4	1510	<1	70	<10	112	9	<100	270	10	4.7	3.1	13
KLC-11-3	18	208	<10	0.1	450	<1	20	<10	211	18	<100	320	19	8.3	5.7	44
KLC-12-3	16	47	<10	0.1	4820	<1	200	<10	88	9	<100	190	9	3.8	2	15
KLC-13-3	33	26	<10	0.3	3190	<1	470	<10	53	9	<100	**1270**	142	63.1	33.6	9
KLC-14-3	6	85	10	<0.1	720	<1	90	<10	104	15	<100	220	10	4.4	3.1	23
KLC-16-3	10	21	<10	0.1	2300	<1	180	<10	54	10	<100	230	4	1.5	1	11
KLC-17-3	14	38	<10	<0.1	3460	<1	210	<10	249	9	<100	340	14	5.9	3.3	17
KLC-19-3	16	65	10	<0.1	1640	<1	110	<10	135	8	<100	310	12	5.1	3	11
KLC-18-3	6	5	<10	0.2	2540	<1	190	<10	98	5	<100	330	47	22.7	11.7	4
KLC-21-3	17	11	<10	<0.1	2280	<1	290	<10	257	21	<100	400	22	9.8	4.8	11
KLC-22-3	19	54	<10	<0.1	1100	<1	260	<10	27	11	<100	280	4	1.8	1.2	13

ANALYTE	**Ag**	Al	**As**	**Au**	Ba	Bi	Ca	Cd	Ce	Co	Cr	**Cu**	Dy	Er	Eu	Fe
KLC-23-3	17	7	<10	0.2	2200	<1	350	<10	130	11	<100	610	30	12.5	7.1	5
KLC-24-3	7	89	<10	0.1	1960	<1	150	<10	165	7	<100	300	19	7.7	4.2	23
KLC-26-3	7	282	<10	<0.1	540	<1	20	20	182	15	<100	150	15	6.5	4.5	27
KLC-27-3	7	>300	<10	<0.1	580	<1	40	10	120	33	<100	200	19	8.6	4.5	49
KLC-28-3	7	144	<10	<0.1	530	<1	140	<10	115	9	<100	190	17	7.1	3.8	16
KLC-29-3	3	>300	<10	<0.1	300	<1	10	<10	142	<5	<100	140	24	10.2	6.6	21
KLC-31-3	3	38	<10	0.1	2060	<1	100	<10	44	<5	<100	190	6	2.6	2.1	3
KLC-32-3	24	184	<10	<0.1	900	<1	190	<10	47	<5	<100	90	10	4	2.4	11
KLC-33-3	7	122	<10	<0.1	630	<1	30	<10	241	16	<100	170	18	7.6	6.3	12
KLC-34-3	5	23	<10	<0.1	3090	<1	110	<10	61	<5	<100	260	4	1.8	1.3	4
median	*15*	*57*	*20*	*0.2*	*1655*	*#NUM!*	*145*	*15*	*113.5*	*12*	*#NUM!*	*310*	*13*	*5.55*	*3.55*	*13*
KLC-1-4	38	32	20	0.4	6330	<1	230	<10	395	8	<100	740	31	13.2	9.8	14
KLC-5-4	27	117	10	0.2	690	<1	80	<10	143	25	<100	530	15	6.5	4.3	14
KLC-10-4	16	119	20	0.2	1850	<1	50	<10	274	21	<100	420	15	6.6	4.9	17
KLC-15-4	19	29	20	0.2	3070	<1	160	<10	140	18	<100	470	11	4.4	2.9	6
KLC-20-4	21	36	20	0.2	1310	<1	130	<10	159	15	<100	270	7	2.8	2.2	12
KLC-25-4	14	32	20	0.1	1590	<1	80	<10	104	15	<100	340	8	3.1	2.2	4
KLC-30-4	7	36	20	0.2	4250	<1	70	<10	74	6	<100	260	5	2.2	2	7
median	*19*	*36*	*20*	*0.2*	*1850*	*#NUM!*	*80*	*#NUM!*	*143*	*15*	*#NUM!*	*420*	*11*	*4.4*	*2.9*	*12*

Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	1	5	1	5	0.5	1	5	10	1	1	5	1	5	1	1	10
PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
28	67	<5	15	9	2.9	90	75	170	<1	22	138	<1	28	24	1	820
15	45	10	11	7	6	55	70	220	<1	14	111	1	28	13	1	660
15	45	<5	34	7	1.7	58	65	220	<1	14	170	<1	8	13	<1	1330
8	31	<5	24	6	0.9	32	20	90	<1	8	85	<1	<5	7	<1	1610
11	31	<5	28	7	1.1	38	49	100	<1	9	148	<1	17	9	<1	1510
14	70	<5	12	6	3.9	71	37	130	<1	19	81	2	13	14	<1	880
27	121	<5	6	<5	0.9	122	13	60	<1	32	62	<1	18	27	<1	320
15	*45*	*10*	*15*	*7*	*1.7*	*58*	*49*	*130*	*#NUM!*	*14*	*111*	*1.5*	*17.5*	*13*	*1*	*880*
35	107	<5	4	6	2.6	136	37	100	<1	35	125	1	32	32	1	410
16	66	<5	6	6	1.6	71	27	170	<1	19	122	<1	20	15	<1	450
8	34	6	8	7	3.6	35	43	230	<1	9	130	1	23	8	<1	440
12	35	<5	14	6	<0.5	42	15	120	<1	10	96	<1	7	11	<1	2080
13	32	<5	16	<5	1	41	22	100	<1	10	98	<1	16	11	<1	1580
15	57	<5	3	6	1.3	63	10	80	<1	17	102	<1	15	14	<1	390
16	62	<5	9	<5	<0.5	67	<5	20	<1	18	41	<1	8	15	<1	640
18	49	<5	32	<5	0.7	66	63	40	<1	16	44	1	7	17	1	1240
4	11	<5	18	<5	0.6	13	26	20	<1	3	87	<1	<5	3	<1	1480
9	19	<5	18	<5	0.6	29	27	60	<1	7	92	<1	6	8	<1	900
11	35	<5	10	8	2	41	21	120	<1	11	118	<1	18	10	1	460
7	23	<5	20	<5	1.2	25	23	100	<1	6	104	<1	6	6	<1	1460
7	21	<5	19	5	1.7	26	22	140	<1	7	111	<1	12	7	<1	1000
14	64	<5	11	7	2.5	67	28	140	<1	17	135	1	24	14	<1	450
13	70	9	4	9	8.5	60	26	130	<1	17	142	1	48	13	2	210
11	40	<5	30	<5	0.6	45	26	80	<1	11	117	<1	<5	10	<1	1950
20	32	<5	75	<5	<0.5	58	41	30	<1	12	24	<1	6	16	<1	2060
12	45	<5	4	7	2.7	51	20	110	<1	13	86	1	20	12	<1	490
9	33	<5	27	6	1.2	35	35	60	<1	9	89	<1	5	8	<1	860
9	28	<5	24	<5	<0.5	34	10	100	<1	8	100	<1	<5	8	<1	1670
18	55	<5	15	<5	<0.5	69	8	40	<1	18	85	<1	16	17	<1	1000
39	107	<5	11	6	2.4	139	24	250	<1	34	95	<1	30	33	<1	980
25	68	<5	25	<5	<0.5	89	23	60	<1	21	59	<1	11	22	<1	1730
9	23	<5	20	<5	0.7	32	16	80	<1	8	118	1	6	8	<1	1090

Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr
34	98	<5		36	<5	<0.5	116	30	50	<1	27	46	<1	9	29	<1	2690
17	47	<5		14	5	1.2	59	27	290	<1	14	86	<1	23	15	<1	1590
19	43	<5	<1		6	2.3	70	47	130	<1	17	208	<1	22	17	<1	70
17	38	<5	<1	<5		1.8	57	61	110	<1	14	106	<1	22	14	<1	100
19	48	<5		5	<5	1.4	67	28	50	<1	17	81	<1	15	18	<1	220
30	33	<5	<1	<5		1.4	89	36	130	<1	19	73	<1	27	24	<1	60
30	89	<5		10	<5	0.6	110	11	60	<1	27	113	<1	23	27	<1	410
8	13	<5		5	<5	0.7	20	38	140	<1	5	138	<1	9	6	<1	520
9	40	<5		4	<5	0.8	39	14	20	<1	11	62	<1	11	9	<1	410
30	116	<5	<1	<5		1.4	142	20	130	<1	37	82	<1	26	30	1	40
14.5	*41.5*		*7.5*	*14*	*6*	*1.4*	*58.5*	*26*	*100*	*#NUM!*	*14*	*97*	*1*	*16*	*14*	*1*	*750*
46	187	<5		5	<5	1.9	201	20	80	<1	53	108	1	28	45	<1	940
20	64	<5		8	7	1.3	75	26	140	<1	20	122	1	23	19	<1	370
9	36	<5		3	8	2.1	35	24	150	<1	10	136	1	18	9	<1	290
12	31	<5		13	6	<0.5	39	10	90	<1	9	90	<1	6	10	<1	3150
13	33	<5		7	<5	0.9	45	12	70	<1	11	79	<1	15	12	<1	1030
9	22	<5		2	5	<0.5	34	9	40	<1	9	105	<1	11	9	<1	310
19	70	<5		6	<5	<0.5	80	6	20	<1	21	46	<1	9	18	<1	750
79	164	<5		39	7	1.3	251	**126**	120	<1	53	32	<1	19	62	<1	1520
3	11	<5		17	<5	0.8	13	22	20	<1	3	62	<1	<5	3	<1	1570
41	60	<5		22	6	<0.5	118	28	50	<1	22	81	<1	11	32	<1	1650
32	109	<5		6	9	1	123	26	100	<1	29	115	<1	26	27	<1	340
10	29	<5		14	7	0.7	35	32	150	<1	8	112	<1	12	8	<1	1080
11	29	<5		15	7	0.6	41	22	120	<1	9	127	<1	13	9	<1	910
16	61	<5		6	7	0.7	68	15	90	<1	16	127	<1	17	13	<1	380
28	97	<5	<1		15	1.1	121	31	30	<1	28	98	<1	43	25	<1	50
14	45	<5		23	5	0.7	53	15	100	<1	12	148	<1	6	11	<1	1850
216	255	<5		98	<5	<0.5	581	61	40	<1	103	39	<1	18	159	<1	2290
15	59	<5		3	7	0.9	67	14	80	<1	16	86	<1	14	14	<1	460
5	17	<5		23	7	<0.5	21	24	20	<1	5	94	<1	<5	5	<1	1250
20	70	<5		23	5	<0.5	80	21	70	<1	19	104	<1	13	17	<1	2160
17	48	<5		5	7	<0.5	62	15	80	<1	14	103	<1	15	14	<1	950
73	104	<5		25	5	<0.5	222	12	20	<1	40	27	<1	22	55	<1	1190
31	66	<5		29	5	<0.5	101	19	50	<1	21	97	<1	17	24	<1	2720
6	13	<5		24	5	<0.5	19	17	70	<1	4	181	<1	6	5	<1	1300

Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr
44	80	<5		37	5	<0.5	132	25	20	<1	25	20	<1	22	34	<1	3150
26	80	<5		8	12	0.5	95	14	120	<1	22	109	<1	22	22	<1	640
21	84	<5	<1		7	1.1	92	39	90	<1	22	116	<1	19	19	<1	70
22	47	<5	<1		6	0.8	76	64	110	<1	16	131	<1	21	18	<1	120
24	54	<5		5	<5	<0.5	83	24	30	<1	18	84	<1	11	20	<1	240
32	58	<5	<1		6	0.9	117	26	60	<1	24	91	<1	23	27	<1	10
11	33	<5		9	<5	<0.5	40	10	10	<1	9	68	<1	5	9	<1	660
12	18	<5		2	<5	<0.5	33	22	140	<1	7	162	<1	8	9	<1	330
28	116	<5	<1		5	<0.5	127	11	50	<1	30	102	<1	22	25	<1	120
6	32	<5		6	<5	<0.5	27	6	10	<1	7	51	<1	<5	6	<1	980
19.5	*58.5*	*#NUM!*		*9*	*7*	*0.9*	*75.5*	*21.5*	*70*	*#NUM!*	*17*	*100*		*1*	*17*	*17.5*	*#NUM!*	*925*
51	**226**	<5		13	<5	0.7	**230**	15	40	<1	58	56	<1	10	48	<1	1580
19	62	<5		9	7	1.3	73	15	120	<1	19	107	<1	25	18	<1	430
21	98	<5		2	5	1.4	89	16	100	<1	25	125	1	21	21	<1	300
16	37	<5		11	<5	<0.5	49	13	80	<1	11	81	<1	7	14	<1	2600
10	21	<5		5	<5	<0.5	33	11	50	<1	8	70	<1	7	9	<1	1050
11	24	<5		5	<5	<0.5	39	7	50	<1	9	121	<1	5	10	<1	650
8	32	<5		6	<5	0.5	32	<5	20	<1	9	47	<1	6	7	<1	610
16	*37*	*#NUM!*		*6*	*6*	*1*	*49*	*14*	*50*	*#NUM!*	*11*	*81*	*1*	*7*	*14*	*#NUM!*	*650*

Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	1	10	0.5	3	0.5	1	1	5	1	20	5
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
1		5	<10	34	596	<0.5	17	2	149	10	100	33
<1		2	<10	21.7	**2070**	<0.5	6	2	67	5	120	63
<1		2	<10	9	246	<0.5	6	<1	86	5	50	29
<1		1	<10	9.3	131	<0.5	3	<1	31	2	80	14
<1		2	<10	11.7	113	<0.5	5	1	50	3	70	20
<1		2	<10	15	**1230**	<0.5	5	1	45	3	80	50
<1		4	<10	24.3	205	<0.5	5	<1	98	6	70	31
1		*2*	*#NUM!*	*15*	*246*	*#NUM!*	*5*	*1.5*	*67*	*5*	*80*	*31*
1		5	<10	66.2	697	0.8	16	2	116	9	60	59
<1		2	<10	22	523	<0.5	7	1	59	4	50	38
<1		1	<10	28.8	965	<0.5	6	2	34	3	40	64
<1		2	<10	14.1	38	<0.5	5	<1	44	3	30	12
<1		2	<10	14.1	70	<0.5	8	<1	55	3	30	16
<1		2	<10	27.1	272	<0.5	6	1	59	4	<20	29
<1		2	<10	11.2	81	<0.5	3	1	52	3	70	15
<1		3	<10	24.3	112	<0.5	13	1	52	4	50	15
<1	<1		<10	10.4	92	<0.5	4	<1	11	<1	<20	11
<1		1	<10	10.2	124	<0.5	7	<1	30	2	<20	8
<1		2	<10	20.1	529	<0.5	10	2	38	3	30	31
<1	<1		<10	7.6	237	<0.5	4	1	20	1	<20	20
<1		1	<10	11.8	402	<0.5	6	1	29	2	<20	28
<1		2	<10	20.9	678	<0.5	7	2	57	4	40	56
<1		2	<10	38.2	**2810**	<0.5	8	3	44	3	40	**107**
<1		2	<10	7.3	129	<0.5	3	<1	41	2	90	11
<1		3	<10	17.9	6	<0.5	9	2	71	5	<20	9
<1		2	<10	22.8	676	<0.5	5	1	44	3	50	43
<1		1	<10	11.8	174	<0.5	4	1	35	2	20	9
<1		1	<10	9.4	44	<0.5	4	<1	31	2	30	8
<1		3	<10	40.9	30	<0.5	5	<1	59	5	<20	18
<1		6	<10	25.4	619	<0.5	8	1	166	10	50	35
<1		4	<10	20.6	31	<0.5	7	<1	98	6	<20	11
<1		1	<10	6.9	82	<0.5	5	<1	31	2	30	13

Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr	
<1		5	<10	17.5	13	<0.5	8	<1	129	7	30	8
	1	3	<10	17.3	134	<0.5	7	2	70	4	20	18
	1	3	<10	17.5	764	0.7	6	1	89	6	30	29
<1		3	<10	16.7	388	<0.5	8	<1	91	6	40	23
<1		3	<10	26.3	310	<0.5	12	<1	80	5	<20	26
<1		6	<10	16.8	406	0.8	18	<1	182	11	50	20
<1		4	<10	25.7	147	<0.5	9	<1	107	7	30	25
<1		1	<10	9.3	200	<0.5	7	<1	42	3	40	13
<1		1	<10	15.4	191	<0.5	4	<1	32	3	30	18
<1		4	<10	20.8	529	<0.5	6	<1	120	7	30	40
	1	*2*	*#NUM!*	*17.5*	*195.5*	*0.8*	*7*	*1*	*53.5*	*4*	*40*	*19*
<1		7	<10	78.3	460	1.1	17	2	156	11	50	50
<1		3	<10	29.4	409	<0.5	11	1	74	5	60	38
<1		2	<10	35.4	540	<0.5	6	2	35	3	<20	55
<1		2	<10	13.8	14	<0.5	5	<1	42	2	<20	9
<1		2	<10	14.2	61	<0.5	8	2	49	3	**1090**	15
<1		1	<10	17.2	34	<0.5	6	1	34	3	<20	17
<1		3	<10	12	54	<0.5	4	<1	64	4	50	13
	2	9	<10	39.6	36	<0.5	37	4	216	14	40	18
	1	<1	<10	11.9	78	<0.5	4	2	7	<1	<20	7
<1		5	<10	19.3	51	0.6	18	<1	121	8	30	10
<1		4	<10	29.1	314	<0.5	15	1	86	6	<20	28
<1		1	<10	17.1	187	<0.5	7	1	29	2	<20	18
<1		1	<10	16.1	203	<0.5	7	1	33	2	<20	17
<1		2	<10	17.6	248	<0.5	6	4	53	3	<20	29
<1		4	<10	26.8	279	<0.5	12	1	86	6	<20	40
<1		2	<10	13.4	215	<0.5	5	<1	43	3	<20	15
<1		**24**	<10	39.2	34	<0.5	43	<1	805	43	50	17
<1		2	<10	17.2	229	<0.5	6	<1	45	3	<20	25
<1	<1		<10	6.8	58	<0.5	3	<1	18	1	<20	6
<1		2	<10	20.8	32	<0.5	7	<1	61	4	20	10
<1		2	<10	16.1	43	<0.5	7	<1	57	4	30	12
<1		8	<10	26.8	5	<0.5	14	<1	264	16	<20	13
<1		4	<10	24.1	8	<0.5	10	<1	96	7	<20	10
<1	<1		<10	6.8	40	<0.5	4	<1	17	1	60	10

Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr	
<1		5	<10	26.3	4	<0.5	15	<1	132	8	<20	12
<1		3	<10	21.6	101	<0.5	11	<1	76	5	<20	20
<1		3	<10	23	480	<0.5	9	<1	64	5	<20	32
<1		3	<10	17.5	257	<0.5	9	<1	86	6	<20	18
<1		3	<10	21.3	122	<0.5	12	<1	75	6	50	18
<1		4	<10	21.9	310	0.6	23	<1	115	8	30	21
<1		1	<10	6.7	25	<0.5	3	<1	30	2	<20	8
<1		2	<10	11.9	100	<0.5	6	<1	37	3	<20	12
<1		3	<10	18.9	221	<0.5	8	<1	82	5	<20	26
<1	<1		<10	7.8	35	<0.5	2	<1	20	1	60	10
1.5		*3*	*#NUM!*	*18.25*	*89*	*0.6*	*7.5*	*1.5*	*62.5*	*4*	*50*	*17*
<1		7	<10	47.5	102	0.6	14	1	161	10	50	21
<1		3	<10	33.5	**423**	<0.5	12	1	70	5	30	38
<1		3	<10	45.3	**383**	0.5	10	2	74	5	30	46
<1		2	<10	17.6	9	<0.5	7	<1	51	3	70	9
<1		1	<10	10.4	19	<0.5	8	<1	32	2	<20	10
<1		2	<10	12.5	5	<0.5	6	<1	39	2	20	11
<1		1	<10	9.1	82	<0.5	2	<1	26	2	40	13
#NUM!		*2*	*#NUM!*	*17.6*	*82*	*0.55*	*8*	*1*	*51*	*3*	*35*	*13*

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

Tanana Exploration Inc.

Acme file # A607837 Received: OCT 27 2006 * 6 samples in this disk file.

Analysis: GROUP 1DX - 30.0 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-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
G-1	2.3	5	3.9	51	<.1	5.3	4.8	613	2.25	1.1	2.5	6	5.6	120	<.1	<.1
KLC-1R	186	963.4	3.4	71	0.3	18.9	11.8	389	3.4	4.9	4.2	9.9	9.6	25	<.1	0.4
KLC-2R	0.8	3923.5	2.3	17	1.7	2.5	6.3	183	2.03	5.9	0.3	17.9	0.1	3	0.1	0.2
KLC-3R	3.2	3995.4	1.3	9	1.1	1.8	3.4	231	1.2	2.6	0.1	26.9	0.1	9	0.3	0.1
KLC-4R	1.6	4687.8	0.9	6	1.9	2.2	5.3	98	1.36	8.4	0.2	966.2	<.1	1	0.1	0.2
STANDAR	21.1	108.9	74.2	429	0.9	55.9	9.7	652	2.47	50.2	5.2	79	5.3	74	6.6	6.1

Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	
ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	
	0.2	50	0.74	0.087	13	21	0.63	281	0.165	1	1.36	0.191	0.64	5.7	0.01	3.1	0.4
	0.1	86	0.89	0.308	22	17	1.02	91	0.152	3	1.27	0.034	0.72	8.4	0.01	2.4	0.1
<.1		15	0.17	0.042	3	6	0.29	36	0.018	2	0.71	0.005	0.16	0.2	0.01	0.9	<.1
	0.1	5	0.98	0.009	2	7	0.15	13	0.008	2	0.32	0.003	0.06	0.2	0.01	0.5	<.1
	0.1	9	0.07	0.016	1	9	0.09	13	0.002	2	0.27	0.002	0.09	0.1	0.01	0.4	<.1
	4.7	86	0.97	0.082	14	176	1.09	391	0.129	38	1.03	0.079	0.47	4	0.2	3	4.2

S	Ga	Se	
%	ppm	ppm	
<.05		6	<.5
	0.06	6	<.5
<.05		2	0.7
	0.15	1	0.9
	0.09	1	2.6
	0.2	6	3.6

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

Tanana Exploration Inc. PROJECT KLC

Acme file # A606610 Page 1 Received: SEP 21 2006 * 38 samples in this disk file.

Analysis: GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.

ELEMENT	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
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
G-1	0.1	2.2	3.1	42	<.1	3.8	3.6	472	1.84	0.6	2.8	1.8	4.2	66	<.1	<.1	0.1	36	0.52	0.08	7	7	0.53	194	0.121	1	0.98	0.106	0.45
KLC-01-C	0.2	21.3	2.8	22	<.1	10	4.6	185	1.41	2.5	0.4	2.2	3	23	0.1	0.2	0.1	39	0.36	0.054	9	19	0.39	64	0.071	1	0.76	0.022	0.04
KLC-02-C	0.3	17.8	2.2	21	<.1	8.7	4.3	188	1.31	1.6	0.3	6.9	2.5	22	<.1	0.1	0.1	33	0.41	0.069	9	17	0.35	43	0.063	2	0.66	0.019	0.05
KLC-03-C	0.3	27.9	4.5	24	<.1	11.1	5.5	226	1.46	2.2	0.4	2.2	2.4	22	<.1	0.1	0.1	36	0.41	0.066	8	20	0.45	61	0.064	1	0.9	0.018	0.05
KLC-04-C	0.3	20.5	3	21	<.1	8.5	4.6	186	1.39	2.3	0.5	0.7	3.3	17	<.1	0.1	0.1	35	0.27	0.051	9	17	0.31	69	0.047	<1	0.75	0.014	0.04
KLC-05-C	0.4	25.5	4.3	27	<.1	19.1	6.9	225	1.82	4.8	0.5	1.8	3.4	16	0.1	0.2	0.1	42	0.25	0.058	8	27	0.5	48	0.064	1	1.24	0.014	0.07
KLC-06-C	0.2	28.6	3.1	25	<.1	13.6	6.2	264	1.48	2.4	0.4	1.7	3.2	17	<.1	0.1	0.1	36	0.26	0.052	8	21	0.45	77	0.062	<1	1.13	0.011	0.05
KLC-07-C	0.2	21.8	2.9	24	<.1	10.6	5.6	223	1.45	2.2	0.4	1.4	3.2	16	<.1	0.1	0.1	35	0.26	0.044	8	19	0.4	52	0.062	1	1.1	0.011	0.05
KLC-08-C	0.3	18.9	5	27	<.1	11.8	5.1	175	1.48	4.9	0.5	1.4	3.5	15	<.1	0.3	0.1	35	0.21	0.049	9	18	0.39	76	0.05	1	1.15	0.01	0.06
KLC-09-C	0.4	18.5	2.9	21	<.1	10.9	5	171	1.37	2.7	0.4	1.8	2.5	12	0.1	0.1	<.1	34	0.2	0.047	7	18	0.37	53	0.053	<1	1.09	0.009	0.04
KLC-10-C	0.4	35.9	3.6	32	<.1	13.3	7.3	249	1.93	3.1	0.6	2.6	4.2	15	0.1	0.2	0.1	45	0.25	0.053	10	19	0.53	62	0.082	1	1.36	0.011	0.05
KLC-11-C	0.5	18.9	3	22	<.1	11.7	4.8	190	1.34	2.2	0.6	4.5	3	13	<.1	0.1	0.1	31	0.24	0.082	8	18	0.32	52	0.059	<1	1.34	0.01	0.06
KLC-12-C	0.4	22.2	3.8	24	<.1	12.1	6.2	223	1.69	3	0.4	0.9	3.9	15	<.1	0.2	0.1	40	0.22	0.039	8	22	0.44	75	0.065	<1	1.22	0.011	0.07
KLC-13-C	0.3	32	3.2	28	<.1	11.5	6.3	251	1.75	2.3	0.5	3.3	4	21	0.1	0.1	0.1	41	0.32	0.032	9	21	0.47	84	0.078	1	1.07	0.019	0.11
KLC-14-C	0.5	20.9	4.1	29	<.1	13.6	7.4	247	2.16	3.7	0.5	1.3	3.9	18	<.1	0.2	0.1	49	0.27	0.075	8	24	0.5	70	0.076	2	1.65	0.013	0.08
KLC-15-C	0.3	14.6	2.5	19	<.1	10	4.4	166	1.62	2.3	0.4	5	4.2	15	<.1	0.1	0.1	40	0.23	0.048	9	17	0.3	37	0.051	<1	0.77	0.01	0.05
KLC-16-C	0.2	22.4	2.7	26	<.1	12.5	6.1	186	1.71	2.3	0.4	1.2	3.6	23	<.1	0.1	0.1	44	0.27	0.019	7	25	0.45	63	0.088	1	1.19	0.012	0.1
KLC-17-C	0.3	27.4	3.3	27	<.1	12.9	6.4	211	1.71	2.2	0.6	1.4	4.3	28	0.1	0.2	0.1	41	0.27	0.037	10	24	0.47	70	0.074	1	1.19	0.016	0.08
KLC-18-C	0.5	26.7	3.1	30	0.2	15.3	7.7	266	2.49	2.3	1.3	2.2	5.4	19	0.1	0.2	0.1	59	0.34	0.049	13	29	0.56	58	0.082	1	0.95	0.019	0.12
KLC-19-C	0.5	25.6	4.6	29	<.1	14.4	8	265	2.31	5.2	0.7	2.2	5.7	20	<.1	0.2	0.1	56	0.26	0.068	10	27	0.48	88	0.062	1	1.25	0.012	0.1
KLC-20-C	0.3	14.4	2.8	20	<.1	10.3	5	166	1.53	1.9	0.4	1.2	3.3	17	<.1	0.1	0.1	36	0.27	0.09	8	17	0.34	57	0.05	<1	0.85	0.013	0.06
RE KLC-20	0.2	13.9	2.8	22	<.1	10.5	4.7	169	1.57	1.8	0.4	0.8	3.4	18	<.1	0.1	0.1	37	0.28	0.092	8	17	0.34	56	0.051	<1	0.86	0.012	0.06
KLC-21-C	0.4	27.3	2.8	26	<.1	11.4	6	220	1.82	2.2	0.6	1.6	4.1	18	0.1	0.2	0.1	43	0.25	0.034	12	20	0.44	52	0.073	1	1.05	0.013	0.12
KLC-22-C	0.5	20.9	4.4	40	<.1	10.3	7	324	2.05	2.6	0.7	2.5	4.7	16	0.1	0.1	0.1	49	0.26	0.052	10	21	0.38	64	0.06	<1	1.31	0.009	0.06
KLC-23-C	0.3	49.1	5.2	33	0.2	16.4	8.3	298	2.14	4.6	1	9.1	5.5	25	0.1	0.2	0.1	49	0.38	0.032	18	27	0.54	90	0.098	<1	1.52	0.017	0.17
KLC-24-C	0.6	18.4	4.5	28	<.1	13.3	5.7	220	1.96	4.4	0.6	3.1	4.2	16	<.1	0.2	0.1	45	0.25	0.092	9	20	0.4	87	0.054	1	1.29	0.011	0.07
KLC-25-C	0.8	26.5	3.8	29	<.1	13.3	8	239	2.85	4.5	0.9	3.3	6.8	18	<.1	0.2	0.1	72	0.28	0.048	12	26	0.48	57	0.086	1	1.28	0.017	0.06
KLC-26-C	0.5	18.2	4.2	24	<.1	10.3	6.6	262	1.82	3	0.8	3.5	2.5	15	0.1	0.2	0.1	43	0.24	0.091	11	19	0.38	56	0.062	1	1.74	0.01	0.05
KLC-27-C	0.4	18.6	4.5	27	<.1	12.4	7.2	259	1.7	4	0.6	1.5	2.8	17	0.1	0.2	0.1	38	0.27	0.06	9	18	0.39	70	0.055	<1	1.48	0.013	0.04
KLC-28-C	0.1	12.9	2.2	21	<.1	6.8	4.6	217	1.26	1.4	0.4	3.1	2.6	19	0.1	0.1	<.1	33	0.37	0.063	8	14	0.32	52	0.061	1	0.74	0.017	0.04
KLC-29-C	0.3	12	2.7	27	<.1	7.4	4.5	203	1.37	1.7	0.7	21.9	3.7	12	<.1	0.1	0.1	33	0.22	0.049	9	13	0.33	46	0.059	<1	0.89	0.01	0.04

KLC-30-C	0.1	13.6	2.2	20	<.1	5.9	4.7	251	1.31	1.3	0.4	1.5	2.8	21	0.1	0.1	<.1	34	0.37	0.066	9	13	0.31	55	0.067	<1	0.71	0.017	0.04
KLC-31-C	0.3	20.9	2.4	23	<.1	8.9	5.7	258	1.61	2.3	0.4	4.2	3.1	17	0.1	0.1	<.1	41	0.31	0.056	9	16	0.37	58	0.067	<1	0.97	0.011	0.05
KLC-32-C	0.3	18.9	4.1	25	<.1	11.6	5.3	220	1.49	3.1	0.5	1.4	3.1	18	<.1	0.2	0.1	38	0.33	0.059	10	16	0.38	58	0.068	1	1.13	0.013	0.04
KLC-33-C	0.3	13.9	2	21	<.1	7.9	4.8	209	1.28	1.3	0.4	3.1	2.7	16	0.1	0.2	<.1	34	0.31	0.066	9	13	0.33	52	0.062	1	0.93	0.013	0.04
STANDAR	20	108	69.4	406	0.9	54.2	9.6	619	2.37	47	4.9	62.7	4.4	69	6.2	6	4.5	85	0.91	0.077	11	174	1.04	359	0.12	39	0.96	0.075	0.44
G-1	0.6	2	2.2	44	<.1	6.2	3.9	479	1.78	<.5	2.6	<.5	3.9	61	<.1	<.1	0.1	39	0.48	0.08	7	57	0.58	218	0.132	1	0.9	0.076	0.49
KLC-34-C	0.3	13.4	1.9	16	<.1	6.8	4.3	218	1.25	1.2	0.4	1.4	2.9	20	<.1	0.1	<.1	33	0.32	0.054	9	12	0.32	40	0.06	<1	0.65	0.015	0.03
STANDAR	20.7	105	70.1	414	0.9	54.2	9.4	630	2.37	48	5.1	60.9	4.7	78	6.5	6.1	4.8	87	0.92	0.079	14	176	1.06	365	0.132	39	0.99	0.078	0.45

W	Hg	Sc	Tl	S	Ga	Se
ppm	ppm	ppm	ppm	%	ppm	ppm
0.1	<.01	2.9	0.3	<.05	4	<.5
0.2	<.01	1.9	0.1	<.05	2	<.5
0.2	<.01	1.6	0.1	<.05	2	<.5
0.2	<.01	1.8	<.1	<.05	3	<.5
0.3	<.01	1.6	<.1	<.05	2	<.5
0.3	0.01	2.1	0.1	<.05	3	<.5
0.2	<.01	2.3	0.1	<.05	3	<.5
0.3	0.01	2.1	0.1	<.05	3	<.5
0.4	0.01	2	0.1	<.05	3	<.5
0.2	0.01	1.9	<.1	<.05	3	<.5
0.3	<.01	2.4	0.1	<.05	4	<.5
0.2	0.01	2.4	0.1	<.05	3	<.5
0.2	<.01	2	0.1	<.05	3	<.5
0.2	0.01	2.7	0.1	<.05	4	<.5
0.4	0.01	2.6	0.1	<.05	4	<.5
0.2	<.01	1.5	<.1	<.05	2	<.5
0.2	0.01	2.1	0.1	<.05	3	<.5
0.2	<.01	2.8	0.1	<.05	3	<.5
0.2	<.01	2.7	0.1	<.05	4	<.5
0.3	0.01	2.3	0.1	<.05	3	<.5
0.2	<.01	1.8	<.1	<.05	2	<.5
0.3	<.01	1.9	<.1	<.05	2	<.5
0.2	0.01	3.1	0.1	<.05	3	<.5
0.3	0.01	2.4	0.1	<.05	3	<.5
0.3	0.02	4.6	0.1	<.05	5	<.5
0.3	0.01	2.1	0.1	<.05	4	<.5
0.4	0.01	2.2	<.1	<.05	4	<.5
0.2	0.02	2.6	0.1	<.05	4	<.5
0.2	0.02	2.4	0.1	<.05	3	<.5
0.1	<.01	1.8	<.1	<.05	2	<.5
0.2	<.01	1.8	<.1	<.05	3	<.5

0.1	<.01	1.8	<.1	<.05	2	<.5
0.1	<.01	2.2	<.1	<.05	3	<.5
0.2	0.01	2.1	0.1	<.05	3	<.5
0.1	<.01	2	<.1	<.05	2	<.5
3.8	0.19	2.4	4.2	0.2	4	3.4
0.1	<.01	2	0.4	<.05	5	<.5
0.1	<.01	1.5	<.1	<.05	2	<.5
3.9	0.2	2.5	4.1	0.22	5	3.6

90782

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIO	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB
KLC-1-1	8	154	10	0.1	1250	<1	210	10	171	108	<100	250	24	12.8	5.5	85	28	67
KLC-1-2	44	160	20	0.3	2000	<1	120	<10	270	19	<100	470	24	11.2	7.1	47	35	107
KLC-1-3	8	99	20	0.3	5010	<1	140	<10	438	17	<100	880	31	13.7	9.6	31	46	187
KLC-1-4	38	32	20	0.4	6330	<1	230	<10	395	8	<100	740	31	13.2	9.8	14	51	226
KLC-5-1	37	231	30	0.1	1830	<1	120	<10	100	61	<100	210	12	6	3.3	112	15	45
KLC-5-2	45	137	10	0.2	530	<1	90	<10	142	17	<100	560	11	5.2	3.6	19	16	66
KLC-5-3	42	126	10	0.5	440	<1	80	<10	142	17	<100	570	15	6.7	4.2	14	20	64
KLC-5-4	27	117	10	0.2	690	<1	80	<10	143	25	<100	530	15	6.5	4.3	14	19	62
KLC-10-1	14	156	<10	<0.1	2260	<1	230	<10	97	30	<100	120	12	6.3	3.2	44	15	45
KLC-10-2	34	240	30	<0.1	2760	<1	110	<10	78	19	<100	230	6	3.1	1.9	55	8	34
KLC-10-3	20	163	30	0.1	2480	<1	50	<10	106	17	<100	310	7	3.5	2.2	27	9	36
KLC-10-4	16	119	20	0.2	1850	<1	50	<10	274	21	<100	420	15	6.6	4.9	17	21	98
KLC-15-1	34	26	10	<0.1	2960	<1	290	<10	64	9	<100	160	6	2.5	1.6	33	8	31
KLC-15-2	43	39	20	<0.1	3070	<1	190	<10	91	9	<100	310	9	3.9	2.3	17	12	35
KLC-15-3	25	28	20	0.2	4030	<1	190	<10	94	22	<100	660	9	3.5	2.2	9	12	31
KLC-15-4	19	29	20	0.2	3070	<1	160	<10	140	18	<100	470	11	4.4	2.9	6	16	37
KLC-20-1	50	49	10	<0.1	6520	<1	310	<10	100	13	<100	210	8	4.3	2.1	52	11	31
KLC-20-2	33	57	10	0.1	3110	<1	260	<10	96	11	<100	360	10	4.6	2.4	39	13	32
KLC-20-3	27	60	20	1.3	1230	<1	160	<10	129	9	<100	370	10	4.5	2.7	25	13	33
KLC-20-4	21	36	20	0.2	1310	<1	130	<10	159	15	<100	270	7	2.8	2.2	12	10	21
KLC-25-1	13	112	10	0.4	1140	<1	230	<10	155	18	<100	160	8	4.1	3.2	53	14	70
KLC-25-2	11	79	20	0.2	460	<1	80	<10	132	9	<100	230	11	5.2	3.1	27	15	57
KLC-25-3	13	43	20	3.5	360	<1	50	<10	75	13	<100	210	7	3.2	2	6	9	22
KLC-25-4	14	32	20	0.1	1590	<1	80	<10	104	15	<100	340	8	3.1	2.2	4	11	24
KLC-30-1	10	97	20	0.2	3500	<1	60	<10	316	15	<100	430	18	7.8	5.9	9	27	121
KLC-30-2	14	35	20	0.3	3460	<1	70	<10	123	<5	<100	270	10	4.3	3.6	5	16	62
KLC-30-3	20	37	20	1.5	3450	<1	80	<10	112	<5	<100	360	12	5.2	4.4	6	19	70
KLC-30-4	7	36	20	0.2	4250	<1	70	<10	74	6	<100	260	5	2.2	2	7	8	32
KLC-2-2	15	37	20	0.4	2680	<1	390	<10	117	10	<100	860	12	5.1	4.1	37	18	49
KLC-3-2	5	22	10	0.2	2720	<1	340	<10	69	10	<100	340	2	0.9	0.9	23	4	11
KLC-4-2	25	29	10	0.3	3110	<1	270	<10	61	14	<100	340	7	2.9	2	18	9	19
KLC-6-2	13	121	20	<0.1	730	<1	130	<10	87	14	<100	150	9	3.9	2.5	33	11	35
KLC-7-2	23	80	10	0.1	1230	<1	250	<10	49	9	<100	130	4	1.8	1.5	20	7	23

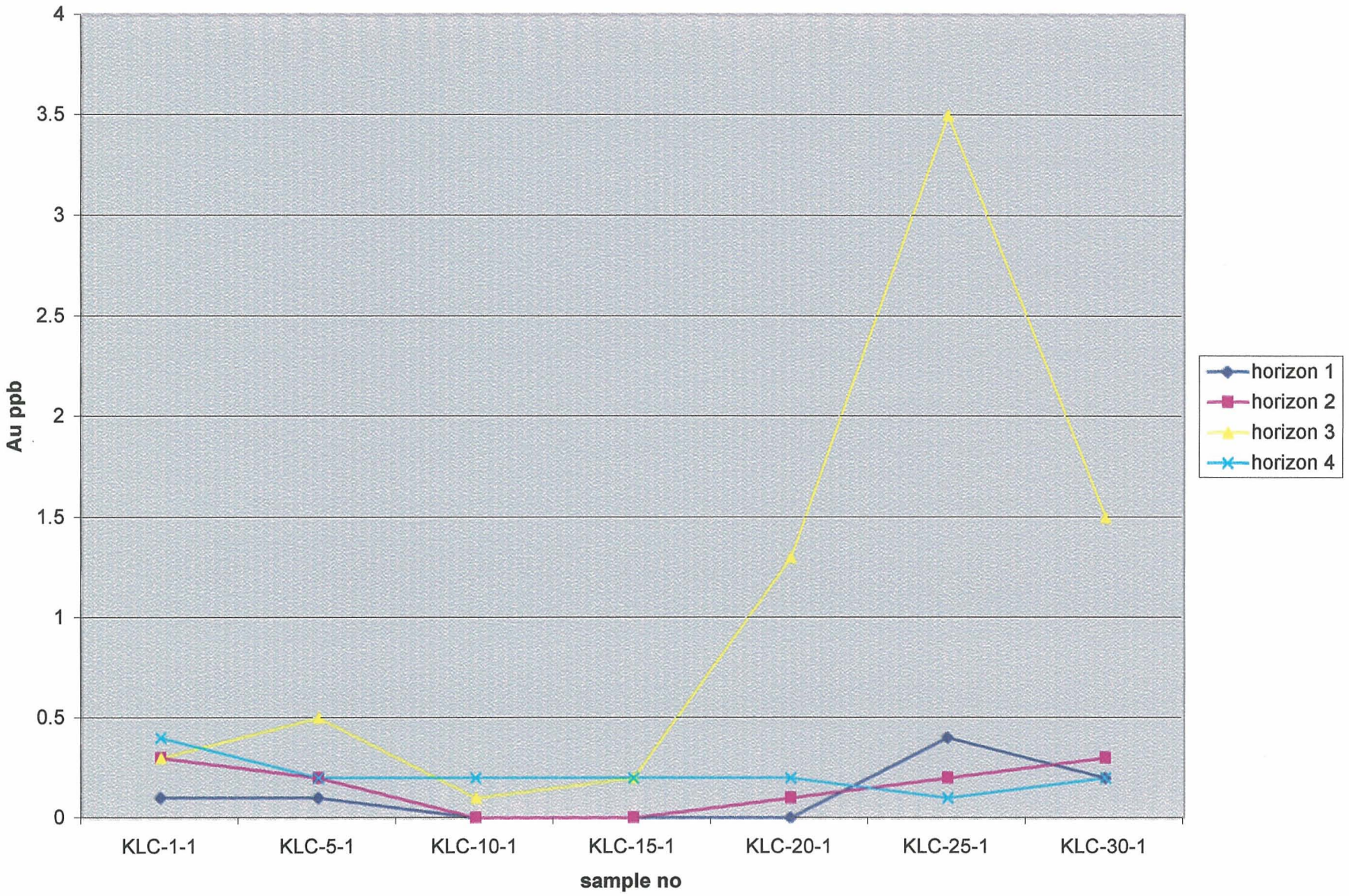
KLC-8-2	17	105	20	0.1	820	<1	200	<10	52	12	<100	440	6	2.7	1.7	34	7	21
KLC-9-2	17	193	20	0.2	1790	<1	100	<10	108	14	<100	250	10	4.6	3.3	46	14	64
KLC-11-2	10	261	20	0.1	1680	<1	40	<10	138	18	100	120	9	4.2	3	127	13	70
KLC-12-2	32	30	<10	<0.1	2010	<1	270	<10	70	8	<100	150	7	3.1	2.1	12	11	40
KLC-13-2	10	18	10	0.2	1700	<1	320	<10	91	46	<100	270	15	6.8	3.7	8	20	32
KLC-14-2	9	122	20	<0.1	920	<1	100	<10	117	21	<100	210	10	4.3	3	50	12	45
KLC-16-2	13	38	20	0.2	2350	<1	180	<10	89	26	<100	240	6	2.9	1.7	28	9	33
KLC-17-2	13	39	10	0.1	6160	<1	200	<10	74	9	<100	290	6	2.9	1.7	18	9	28
KLC-18-2	8	18	20	<0.1	2780	<1	110	<10	381	14	<100	320	14	6.1	3.4	7	18	55
KLC-19-2	21	138	10	<0.1	2920	<1	180	<10	264	14	<100	420	29	13.4	7.5	65	39	107
KLC-21-2	17	15	10	0.1	3300	<1	290	<10	224	21	<100	360	18	8.2	4.4	21	25	68
KLC-22-2	22	57	<10	0.2	1060	<1	230	<10	48	9	<100	200	6	2.8	1.9	19	9	23
KLC-23-2	25	13	<10	0.2	4140	<1	420	<10	222	22	<100	460	23	10.2	6.2	14	34	98
KLC-24-2	14	102	<10	0.2	4580	<1	290	<10	79	8	<100	450	13	5.9	3	30	17	47
KLC-26-2	10	275	<10	<0.1	850	<1	10	20	119	20	<100	170	16	7.8	4.3	37	19	43
KLC-27-2	14	296	10	0.2	730	<1	30	10	100	35	<100	200	16	8	3.7	70	17	38
KLC-28-2	7	173	10	0.2	660	<1	140	<10	112	14	<100	190	14	6.6	3.5	26	19	48
KLC-29-2	38	299	<10	0.2	470	<1	10	<10	99	8	<100	140	31	15.5	6.1	31	30	33
KLC-31-2	15	113	<10	0.3	1860	<1	130	<10	192	21	<100	350	21	9.6	6.4	11	30	89
KLC-32-2	17	160	<10	<0.1	1280	<1	220	<10	31	7	<100	120	8	4	1.8	21	8	13
KLC-33-2	3	76	10	0.2	3330	<1	70	<10	103	12	<100	220	7	3.1	2.1	18	9	40
KLC-34-2	15	197	10	0.1	490	<1	20	<10	285	12	<100	180	20	9.5	7	28	30	116
DUP-KLC-	9	133	10	<0.1	1560	<1	190	<10	197	87	<100	200	18	9	5	68	24	82
DUP-KLC-	29	24	10	<0.1	2290	<1	280	<10	67	7	<100	180	5	2.5	1.5	35	8	32
DUP-KLC-	9	83	10	0.1	3090	<1	60	<10	291	9	<100	360	16	7	5.3	6	26	118
DUP-KLC-	27	28	<10	<0.1	2410	<1	310	<10	71	7	<100	140	6	2.4	1.8	13	9	41
DUP-KLC-	13	246	10	<0.1	780	<1	50	<10	137	29	<100	150	15	6.9	4	51	18	55

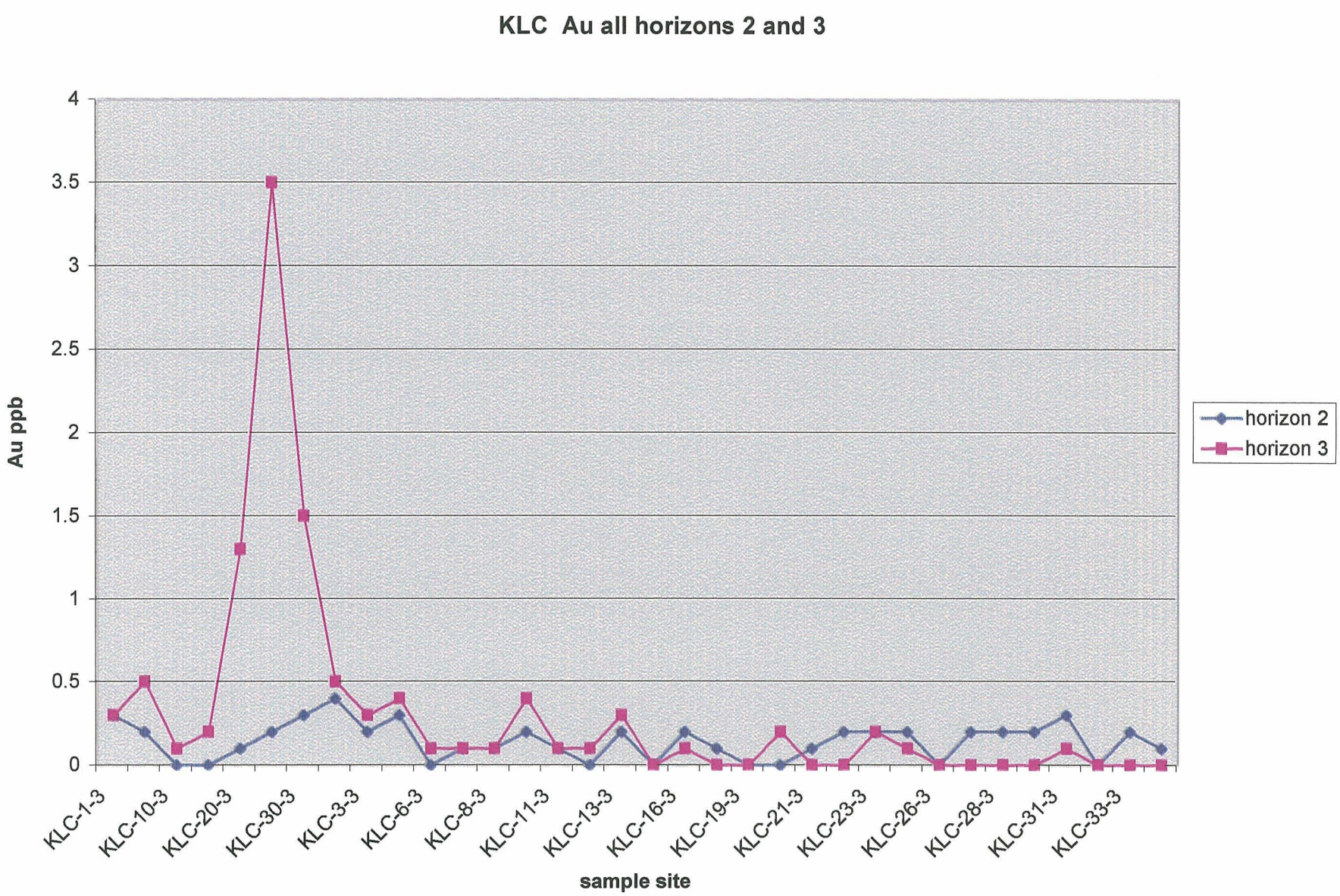
Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
5	1	5	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5
PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
<5	15	9	2.9	90	75	170	<1	22	138	<1	28	24	1	820	1	5	<10	34	596	<0.5
<5	4	6	2.6	136	37	100	<1	35	125	1	32	32	1	410	1	5	<10	66.2	697	0.8
<5	5	<5	1.9	201	20	80	<1	53	108	1	28	45	<1	940	<1	7	<10	78.3	460	1.1
<5	13	<5	0.7	230	15	40	<1	58	56	<1	10	48	<1	1580	<1	7	<10	47.5	102	0.6
10	11	7	6	55	70	220	<1	14	111	1	28	13	1	660	<1	2	<10	21.7	2070	<0.5
<5	6	6	1.6	71	27	170	<1	19	122	<1	20	15	<1	450	<1	2	<10	22	523	<0.5
<5	8	7	1.3	75	26	140	<1	20	122	1	23	19	<1	370	<1	3	<10	29.4	409	<0.5
<5	9	7	1.3	73	15	120	<1	19	107	<1	25	18	<1	430	<1	3	<10	33.5	423	<0.5
<5	34	7	1.7	58	65	220	<1	14	170	<1	8	13	<1	1330	<1	2	<10	9	246	<0.5
6	8	7	3.6	35	43	230	<1	9	130	1	23	8	<1	440	<1	1	<10	28.8	965	<0.5
<5	3	8	2.1	35	24	150	<1	10	136	1	18	9	<1	290	<1	2	<10	35.4	540	<0.5
<5	2	5	1.4	89	16	100	<1	25	125	1	21	21	<1	300	<1	3	<10	45.3	383	0.5
<5	24	6	0.9	32	20	90	<1	8	85	<1	<5	7	<1	1610	<1	1	<10	9.3	131	<0.5
<5	14	6	<0.5	42	15	120	<1	10	96	<1	7	11	<1	2080	<1	2	<10	14.1	38	<0.5
<5	13	6	<0.5	39	10	90	<1	9	90	<1	6	10	<1	3150	<1	2	<10	13.8	14	<0.5
<5	11	<5	<0.5	49	13	80	<1	11	81	<1	7	14	<1	2600	<1	2	<10	17.6	9	<0.5
<5	28	7	1.1	38	49	100	<1	9	148	<1	17	9	<1	1510	<1	2	<10	11.7	113	<0.5
<5	16	<5	1	41	22	100	<1	10	98	<1	16	11	<1	1580	<1	2	<10	14.1	70	<0.5
<5	7	<5	0.9	45	12	70	<1	11	79	<1	15	12	<1	1030	<1	2	<10	14.2	61	<0.5
<5	5	<5	<0.5	33	11	50	<1	8	70	<1	7	9	<1	1050	<1	1	<10	10.4	19	<0.5
<5	12	6	3.9	71	37	130	<1	19	81	2	13	14	<1	880	<1	2	<10	15	1230	<0.5
<5	3	6	1.3	63	10	80	<1	17	102	<1	15	14	<1	390	<1	2	<10	27.1	272	<0.5
<5	2	5	<0.5	34	9	40	<1	9	105	<1	11	9	<1	310	<1	1	<10	17.2	34	<0.5
<5	5	<5	<0.5	39	7	50	<1	9	121	<1	5	10	<1	650	<1	2	<10	12.5	5	<0.5
<5	6	<5	0.9	122	13	60	<1	32	62	<1	18	27	<1	320	<1	4	<10	24.3	205	<0.5
<5	9	<5	<0.5	67	<5	20	<1	18	41	<1	8	15	<1	640	<1	2	<10	11.2	81	<0.5
<5	6	<5	<0.5	80	6	20	<1	21	46	<1	9	18	<1	750	<1	3	<10	12	54	<0.5
<5	6	<5	0.5	32	<5	20	<1	9	47	<1	6	7	<1	610	<1	1	<10	9.1	82	<0.5
<5	32	<5	0.7	66	63	40	<1	16	44	1	7	17	1	1240	<1	3	<10	24.3	112	<0.5
<5	18	<5	0.6	13	26	20	<1	3	87	<1	<5	3	<1	1480	<1	<1	<10	10.4	92	<0.5
<5	18	<5	0.6	29	27	60	<1	7	92	<1	6	8	<1	900	<1	1	<10	10.2	124	<0.5
<5	10	8	2	41	21	120	<1	11	118	<1	18	10	1	460	<1	2	<10	20.1	529	<0.5
<5	20	<5	1.2	25	23	100	<1	6	104	<1	6	6	<1	1460	<1	<1	<10	7.6	237	<0.5

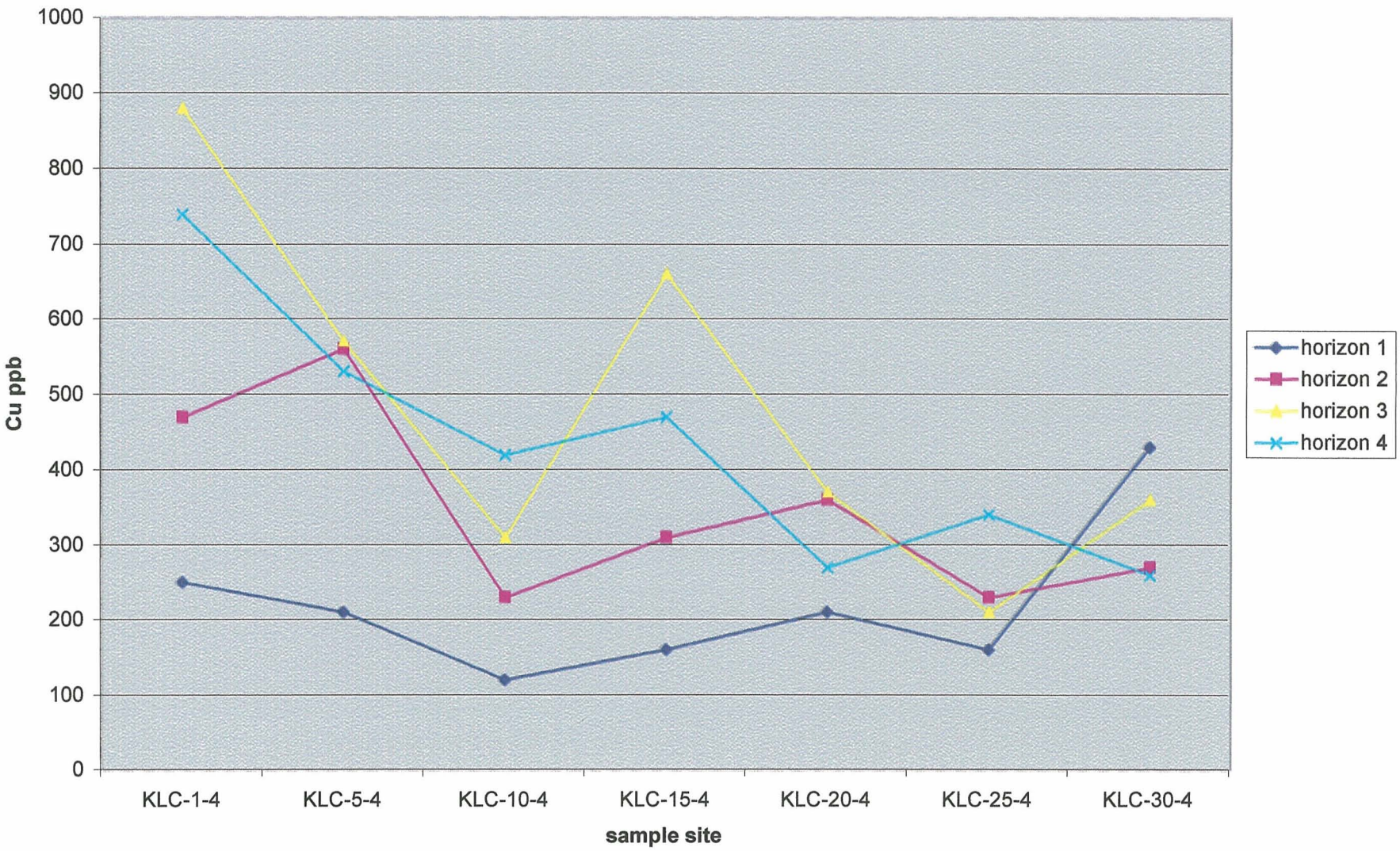
<5		19	5	1.7	26	22	140	<1	7	111	<1	12	7	<1	1000	<1	1	<10	11.8	402	<0.5
<5		11	7	2.5	67	28	140	<1	17	135	1	24	14	<1	450	<1	2	<10	20.9	678	<0.5
	9	4	9	8.5	60	26	130	<1	17	142	1	48	13	2	210	<1	2	<10	38.2	2810	<0.5
<5		30	<5	0.6	45	26	80	<1	11	117	<1	<5	10	<1	1950	<1	2	<10	7.3	129	<0.5
<5		75	<5	<0.5	58	41	30	<1	12	24	<1	6	16	<1	2060	<1	3	<10	17.9	6	<0.5
<5		4	7	2.7	51	20	110	<1	13	86	1	20	12	<1	490	<1	2	<10	22.8	676	<0.5
<5		27	6	1.2	35	35	60	<1	9	89	<1	5	8	<1	860	<1	1	<10	11.8	174	<0.5
<5		24	<5	<0.5	34	10	100	<1	8	100	<1	<5	8	<1	1670	<1	1	<10	9.4	44	<0.5
<5		15	<5	<0.5	69	8	40	<1	18	85	<1	16	17	<1	1000	<1	3	<10	40.9	30	<0.5
<5		11	6	2.4	139	24	250	<1	34	95	<1	30	33	<1	980	<1	6	<10	25.4	619	<0.5
<5		25	<5	<0.5	89	23	60	<1	21	59	<1	11	22	<1	1730	<1	4	<10	20.6	31	<0.5
<5		20	<5	0.7	32	16	80	<1	8	118	1	6	8	<1	1090	<1	1	<10	6.9	82	<0.5
<5		36	<5	<0.5	116	30	50	<1	27	46	<1	9	29	<1	2690	<1	5	<10	17.5	13	<0.5
<5		14	5	1.2	59	27	290	<1	14	86	<1	23	15	<1	1590	1	3	<10	17.3	134	<0.5
<5	<1		6	2.3	70	47	130	<1	17	208	<1	22	17	<1	70	1	3	<10	17.5	764	0.7
<5	<1		<5	1.8	57	61	110	<1	14	106	<1	22	14	<1	100	<1	3	<10	16.7	388	<0.5
<5		5	<5	1.4	67	28	50	<1	17	81	<1	15	18	<1	220	<1	3	<10	26.3	310	<0.5
<5	<1		<5	1.4	89	36	130	<1	19	73	<1	27	24	<1	60	<1	6	<10	16.8	406	0.8
<5		10	<5	0.6	110	11	60	<1	27	113	<1	23	27	<1	410	<1	4	<10	25.7	147	<0.5
<5		5	<5	0.7	20	38	140	<1	5	138	<1	9	6	<1	520	<1	1	<10	9.3	200	<0.5
<5		4	<5	0.8	39	14	20	<1	11	62	<1	11	9	<1	410	<1	1	<10	15.4	191	<0.5
<5	<1		<5	1.4	142	20	130	<1	37	82	<1	26	30	1	40	<1	4	<10	20.8	529	<0.5
<5		13	8	2.1	98	58	140	<1	25	160	<1	20	22	<1	670	<1	4	<10	31.6	510	<0.5
<5		22	5	0.9	33	22	70	<1	9	73	<1	5	7	<1	1600	<1	1	<10	8.4	137	<0.5
<5		6	<5	0.5	115	9	50	<1	31	55	<1	14	25	<1	310	<1	4	<10	21.4	158	<0.5
<5		34	<5	0.6	40	27	70	<1	10	134	<1	<5	8	<1	2070	<1	1	<10	6.3	108	<0.5
<5	<1		5	1.5	70	51	90	<1	18	109	<1	18	16	<1	160	<1	3	<10	15.4	344	<0.5

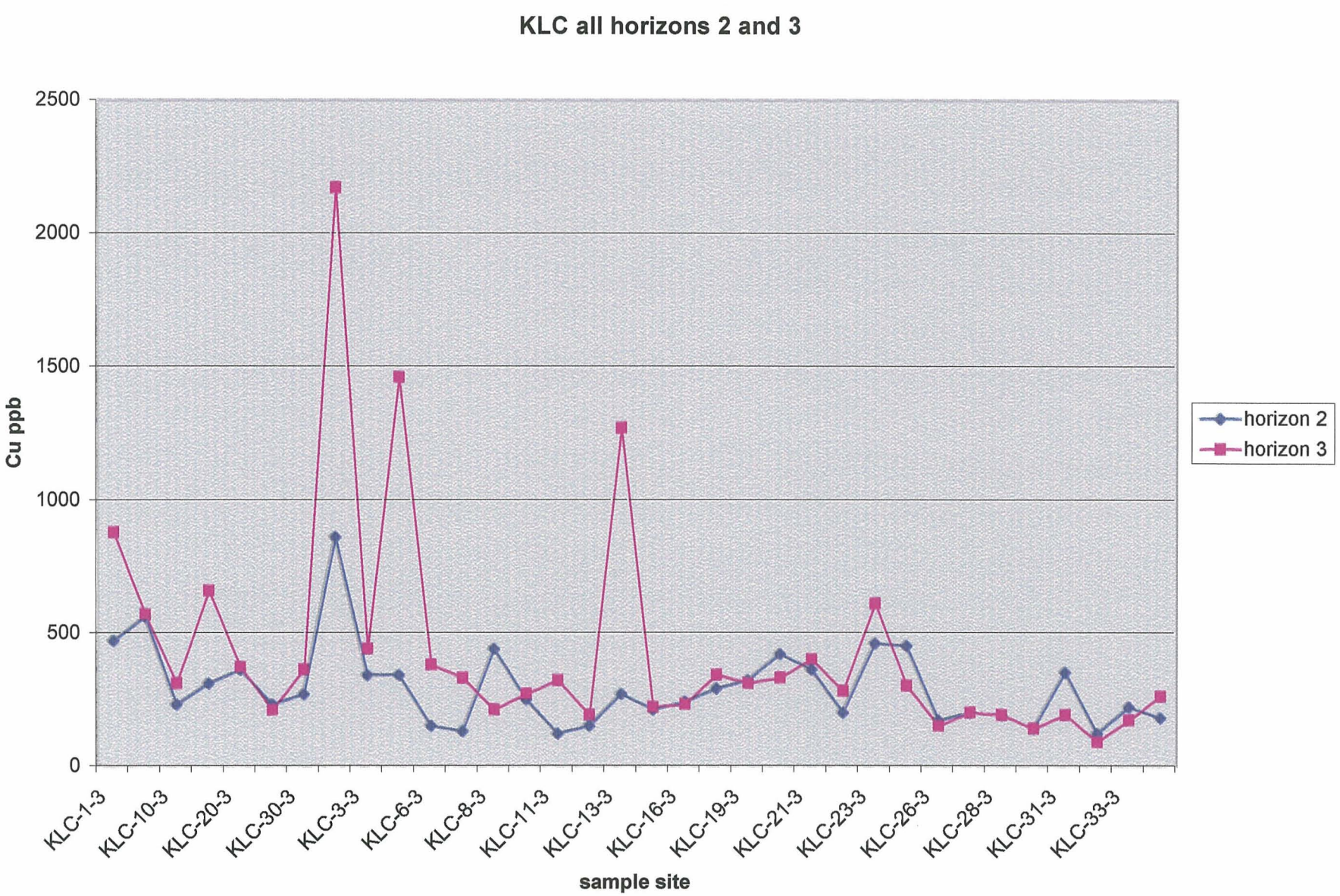
U	W	Y	Yb	Zn	Zr
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
1	1	5	1	20	5
PPB	PPB	PPB	PPB	PPB	PPB
17	2	149	10	100	33
16	2	116	9	60	59
17	2	156	11	50	50
14	1	161	10	50	21
6	2	67	5	120	63
7	1	59	4	50	38
11	1	74	5	60	38
12	1	70	5	30	38
6	<1	86	5	50	29
6	2	34	3	40	64
6	2	35	3	<20	55
10	2	74	5	30	46
3	<1	31	2	80	14
5	<1	44	3	30	12
5	<1	42	2	<20	9
7	<1	51	3	70	9
5	1	50	3	70	20
8	<1	55	3	30	16
8	2	49	3	1090	15
8	<1	32	2	<20	10
5	1	45	3	80	50
6	1	59	4	<20	29
6	1	34	3	<20	17
6	<1	39	2	20	11
5	<1	98	6	70	31
3	1	52	3	70	15
4	<1	64	4	50	13
2	<1	26	2	40	13
13	1	52	4	50	15
4	<1	11	<1	<20	11
7	<1	30	2	<20	8
10	2	38	3	30	31
4	1	20	1	<20	20

6	1	29	2	<20	28
7	2	57	4	40	56
8	3	44	3	40	107
3	<1	41	2	90	11
9	2	71	5	<20	9
5	1	44	3	50	43
4	1	35	2	20	9
4	<1	31	2	30	8
5	<1	59	5	<20	18
8	1	166	10	50	35
7	<1	98	6	<20	11
5	<1	31	2	30	13
8	<1	129	7	30	8
7	2	70	4	20	18
6	1	89	6	30	29
8	<1	91	6	40	23
12	<1	80	5	<20	26
18	<1	182	11	50	20
9	<1	107	7	30	25
7	<1	42	3	40	13
4	<1	32	3	30	18
6	<1	120	7	30	40
14	<1	105	7	70	39
3	<1	30	2	40	11
4	<1	86	5	40	25
3	<1	33	2	<20	11
6	<1	81	5	20	23


4
3.5
3
2.5
2
1.5
1
0.5
0
Au ppb
KLC-1-1
KLC-5-1
KLC-10-1
KLC-15-1
KLC-20-1
KLC-25-1
KLC-30-1
sample no
horizon 1
horizon 2
horizon 3
horizon 4

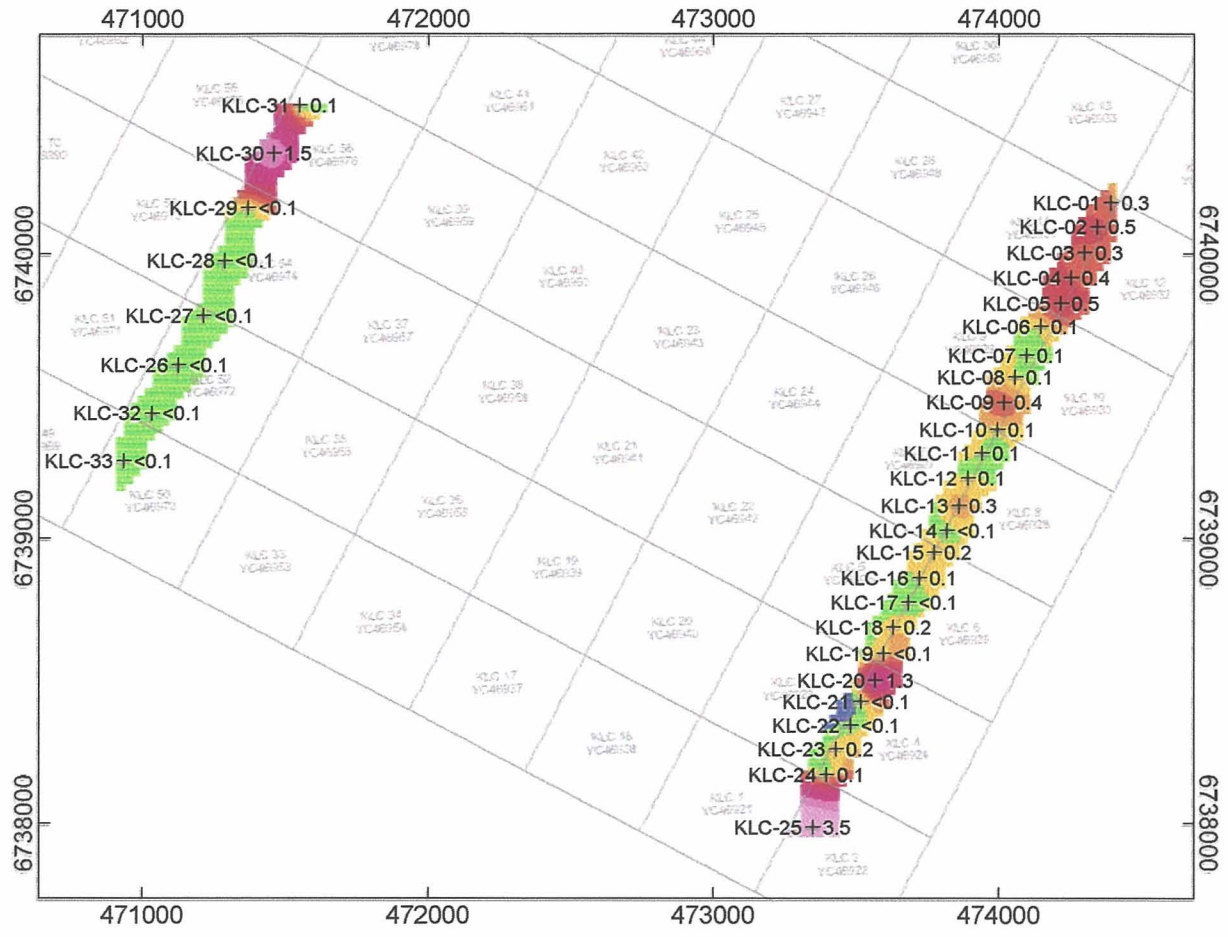

KLC Au all horizons 2 and 3
Au ppb
4
3.5
3
2.5
2
1.5
1
0.5
0
KLC-1-3
KLC-10-3
KLC-20-3
KLC-30-3
KLC-3-3
KLC-6-3
KLC-8-3
KLC-11-3
KLC-13-3
KLC-16-3
KLC-19-3
KLC-21-3
KLC-23-3
KLC-26-3
KLC-28-3
KLC-31-3
KLC-33-3
sample site
horizon 2
horizon 3

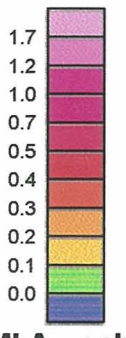

KLC 1-5-10 Cu
1000
900
800
700
600
500
400
300
200
100
0
Cu ppb
KLC-1-4
KLC-5-4
KLC-10-4
KLC-15-4
KLC-20-4
KLC-25-4
KLC-30-4
sample site
horizon 1
horizon 2
horizon 3
horizon 4


KLC all horizons 2 and 3
2500
2000
1500
1000
500
0
Cu ppb
horizon 2
horizon 3
KLC-1-3
KLC-10-3
KLC-20-3
KLC-30-3
KLC-3-3
KLC-6-3
KLC-8-3
KLC-11-3
KLC-13-3
KLC-16-3
KLC-19-3
KLC-21-3
KLC-23-3
KLC-26-3
KLC-28-3
KLC-31-3
KLC-33-3
sample site

ATTACHMENT D

COLOR COMPILATION MAPS





MMI Au ppb

Scale 1:25000

250 0 250 500

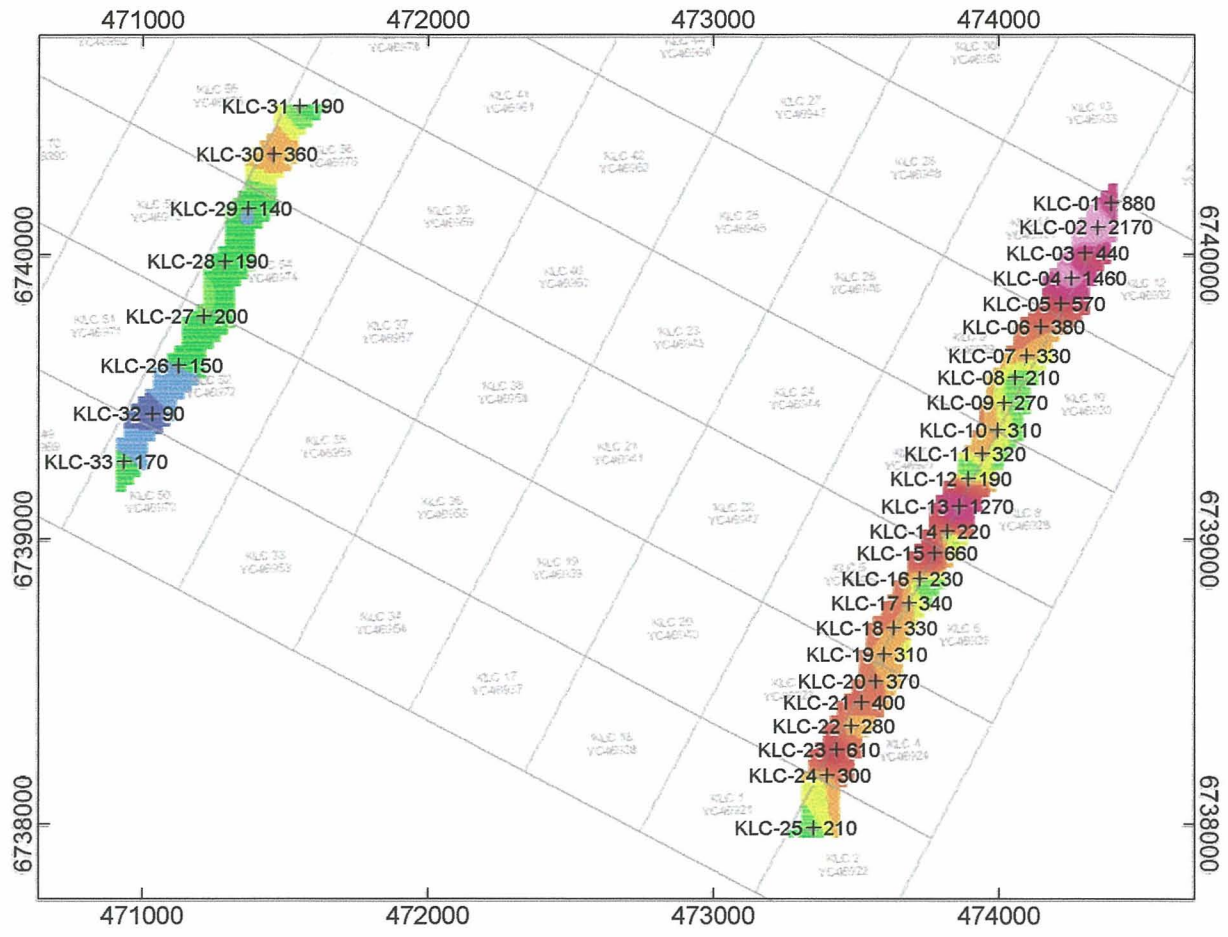
(meters)

NAD83 / UTM zone 8N

Tanana Exploration Inc.

King Lake Project
MMI Horizon 3
Au ppb

Preliminary
January 12, 2007



1300
1150
950
750
650
550
500
450
400
350
300
250
200
150
100

MMI - Cu ppb

Scale 1:25000

250 0 250 500

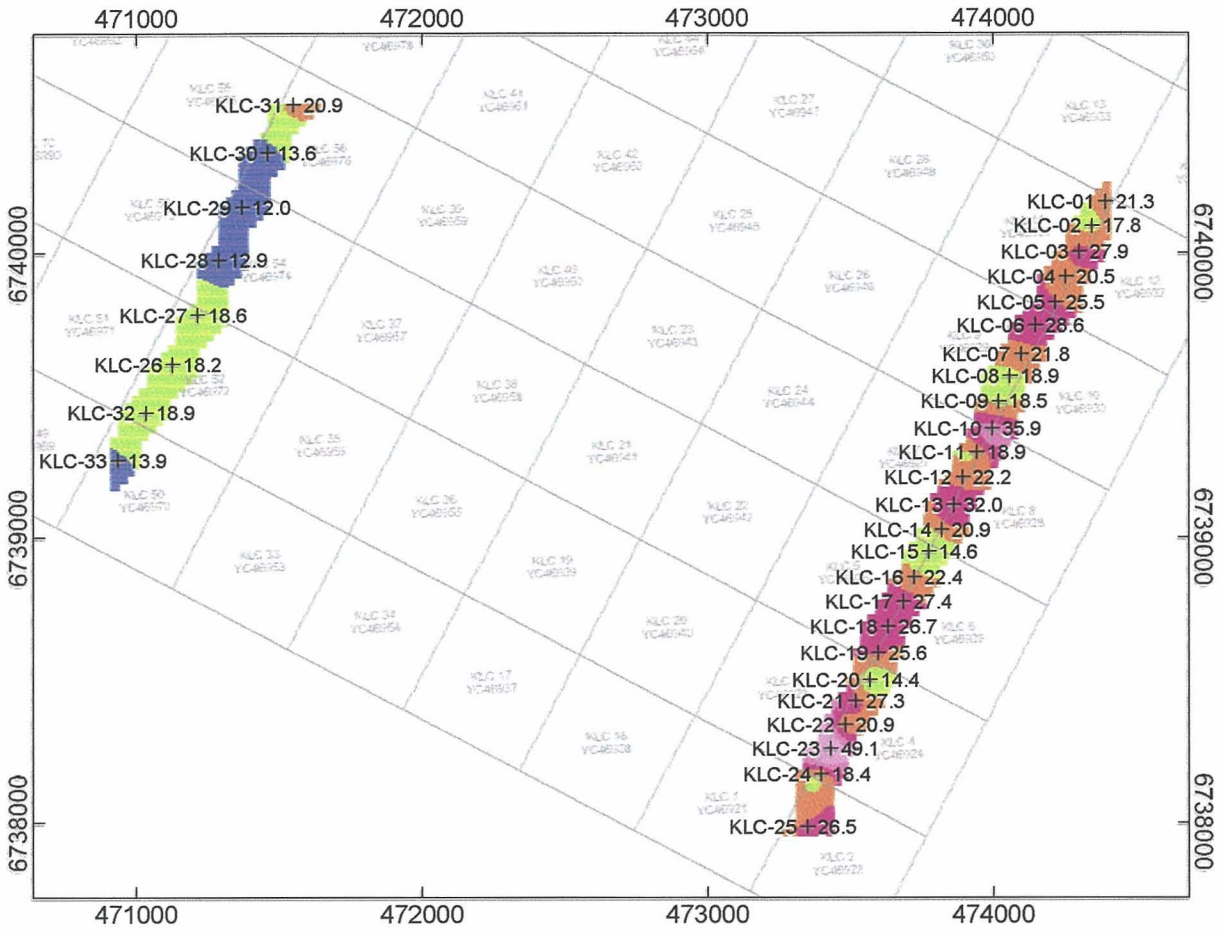
(meters)

NAD83 / UTM zone 8N

Tanana Exploration Inc.

King Lake Project
MMI Horizon 3
Cu ppb

Preliminary
January 12, 2007



Scale 1:25000

250 0 250 500

(meters)

NAD83 / UTM zone 8N

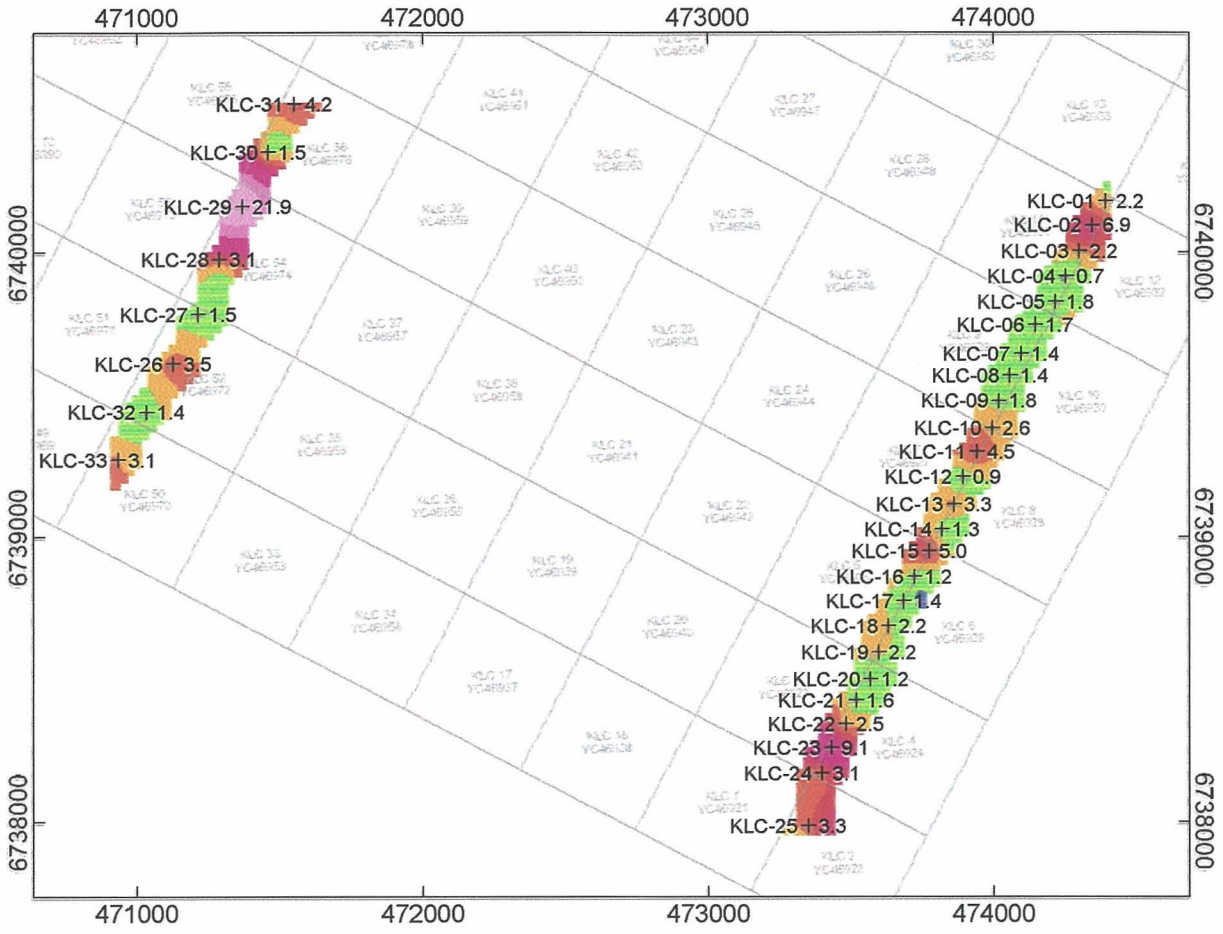
35
30
25
20
15

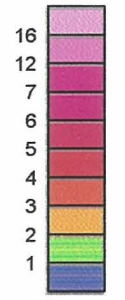
ICP - Cu ppm

Tanana Exploration Inc.

King Lake Project
Conventional Geochemistry
Cu ppm

Preliminary
January 12, 2007





ICP - Au ppb

Scale 1:25000

250 0 250 500

(meters)

NAD83 / UTM zone 8N

Tanana Exploration Inc.

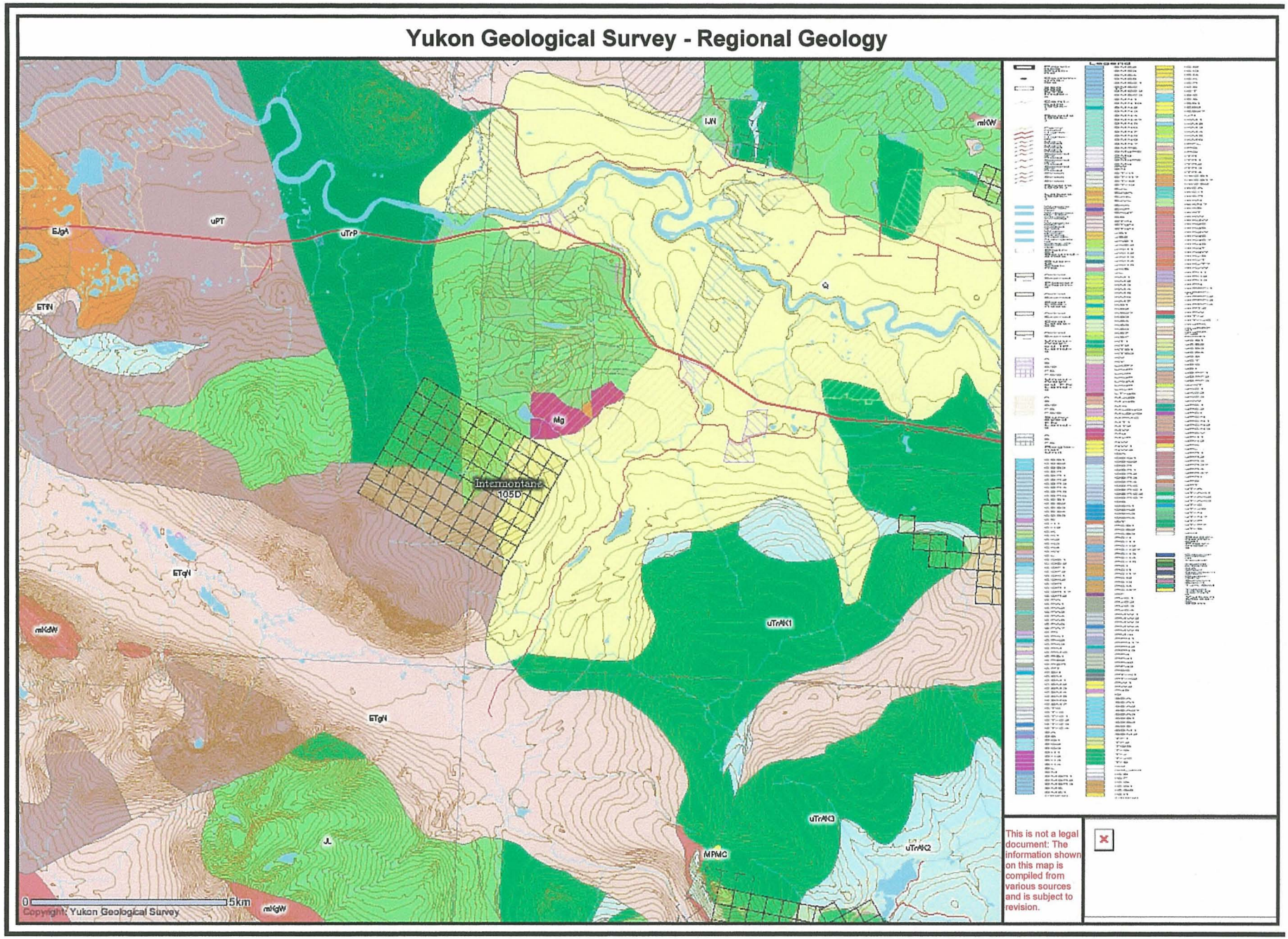
King Lake Project
Conventional Geochemistry
Au ppb

Preliminary
January 12, 2007

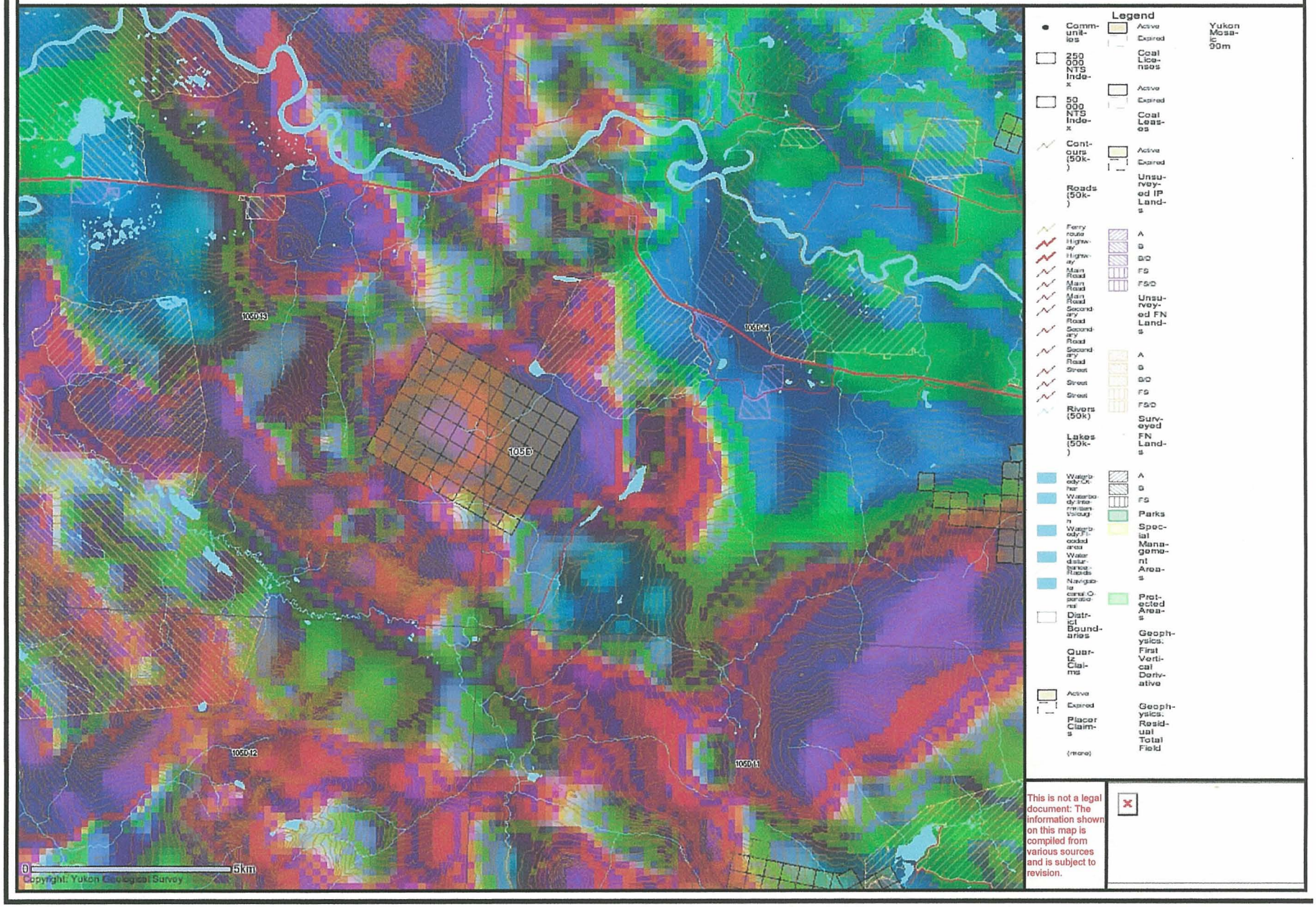
ATTACHMENT E

REGIONAL GEOLOGY MAP

FIRST VERTICAL MAGNETIC MAP


Yukon Geological Survey - Regional Geology
uPT
uTrP
EJgA
ETgN
Mg
Intermontane
105D
ETgN
mKdW
uTrMC1
ETgN
JL
uTrMC3
uTrMC2
MPMC
mKgW
0
5km
Copyright: Yukon Geological Survey
This is not a legal document: The information shown on this map is compiled from various sources and is subject to revision.

King Lake Regional: First Vertical Magnetics



ATTACHMENT F

STATEMENT OF COST

TANANA EXPLORATION INC.
27 Tutshi; Whitehorse, Yukon Y1A 3R4

January 30, 2007

PROJECT: King Lake Copper; Phase 1

CLIENT: 39231 Yukon Inc.; 27 Tutshi; Whitehorse, Yukon Y1A 3R4

TYPE OF REPORT: Property Examination; Phase 1 Reconnaissance

a) WAGES: two men @ $300.0 / day
No of days: 11
Total: $6,600.0

b) FOOD: two men @ $35.0 / man / day
No of days: 11
Total: $770.0

c) TRAVEL: Type of Equipment: 1/2 ton Truck ; ATV / Quad
Rate: Truck @ $0.42 / km x 750km
Rate: Quad @ $37.50 / day
No of days: 15
Total: $877.50

d) RENTALS: Chainsaw
Rate: Chainsaw @ $35.0 / day
No of days: 4
Total: $140.0

e) FIELD SUPPLIES: Flagging; Fuel; Picks & Shovels; Sample Bags @ Cost
Total: $600.0

f) ANALYSIS: 82 soil samples for MMI multi element leach plus shipping to Toronto
34 soil samples for 32 element ICP & shipping to Vancouver
5 rock samples for 32 element ICP & shipping to Vancouver
Total: $3,654.15

g) PREPARATION OF REPORT: Digital compilation, mapping, printing and binding at cost
Total: $500.0

h) FILING FEES: Registering work for assessment credits with Y.T.G. @ cost
Total: $425.0

COST: $13,566.65 + GST: $813.99 TOTAL COST: $14,380.64

ATTACHMENT G

STATEMENT OF QUALIFICATIONS
WADE CARRELL

I am self-employed as President of Tanana Exploration Inc., which carries out reconnaissance prospecting and geological surveys of quartz and placer properties in the Yukon and Northern B.C.

I have fifteen years prospecting and exploration experience in Alberta, B.C., N.W.T. and Yukon.

Completed Yukon Chamber of Mines "Basic Prospecting Coarse (1995)" and "Advanced Prospecting Coarse (1996 & 1998)", Cordilleran Roundup VMS short coarse (1999), Geoscience Forum Gemstone short coarse (2004), Calgary "Diamond Prospecting Short Coarse (2006)", Yukon Geological Survey "MMI Geochemistry and Sampling Coarse (2006)", etc.

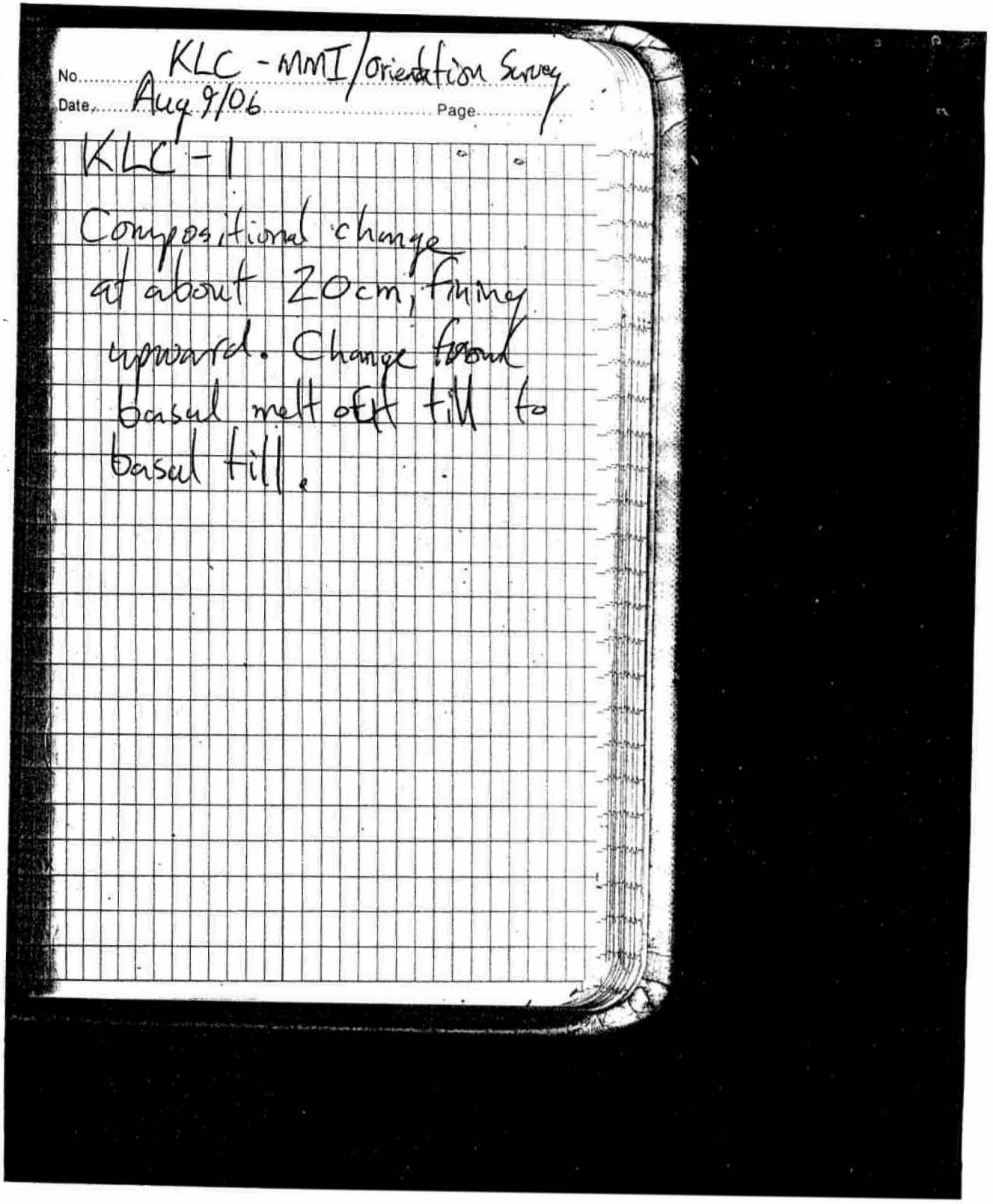
Recent discoveries: Big Top VMS project (1997); Fox VMS property (1999); Spice Gold property (2001), under option to Klondike Gold Corp. (2004); Clark / Cameron Silver / Zinc deposits (2001), under option to CMC Metals Ltd. (2006); Moosehorn Gold prospect (2006); King Lake Copper Porphyry prospect (2006).

I reside at 27 Tutshi Road, Whitehorse, and have been a resident of the Yukon since 1981.

I supervised the work on the King Lake Copper property.

WADE S. CARRELL, PRESIDENT
TANANA EXPLORATION INC.

Sample #	Notes
KLC-01	
KLC-02	
KLC-03	
KLC-04	
KLC-05	slope change 25 m from KLC-4, rises with change to pine
KLC-06	rolling surface, ablation till
KLC-07	well defined rolling surface, till exhibits slight fining upward
KLC-08	rolling surface
KLC-09	rolling to planar surface
KLC-10	rolling and ridged surface
KLC-11	rolling and ridged surface
KLC-12	flanked to west by melt water channel
KLC-13	sample taken adjacent to a meltwater channel outlet
KLC-14	
KLC-15	
KLC-16	
KLC-17	
KLC-18	undulating surface, Mg stained pebbles at bottom of pit
KLC-19	Mg staining of pit bottom gravels
KLC-20	near undulating ablation surface
KLC-21	
KLC-22	
KLC-23	south aspect slope of lateral moraine
KLC-24	
KLC-25	
KLC-26	oxidized
KLC-27	ground moraine-alpine setting, till is oxidized
KLC-28	moraine thickness estimated at 2-5 m, outcrop about 30m upslope to west
KLC-29	basal meltout, well oxidized
KLC-30	flat to rolling surface, standing water at one time?
KLC-31	silt translocation evident at base
KLC-32	
KLC-33	
KLC-34	****sample is missing


No. KLC - MMI/Orientation Survey
Date Aug 9/06 Page 1
KLC-1
Compositional change at about 20cm, fining upward. Change from basal melt out till to basal till.

King Lake Copper Aug 9/06

[illegible] Carroll, Ivan Flash,
[illegible] Raynor.

Copper - Gold Porphyry

KLC-2

60.79543 N
135.47133 W

- Basal meltout till
- sandy silt matrix, olive
- pebbles
- Cobbles at surface
- cryoturbated
- Till sample had no organic material

[illegible] KLC-2-4 (30-40 cm)
- mixed organic + till
KLC-2-3 (20-30 cm)
- mixed organic + till, less organic than (4)
KLC-2-2 (10-20 cm)
- till, minor organic
KLC-2-1
- till, humus, organic
- No heavy rock concentration

KLC-3
- Basal meltout till
- sandy silt matrix
- pebbles + minor cobbles
- Large boulders in the vicinity
ICP - No cryoturbation evident
KLC-3-C : Till sample
MMI
KLC-3-4 (30-40 cm)
- Basal meltout
KLC-3-3 (20-30 cm)
- Basal meltout
KLC-3-2 (10-20 cm)
- Basal meltout
- B-horizon
KLC-3-1 (0-10 cm)
- Basal Meltout
- minor Humus (organic)
- B-horizon + A-horizon

H.D. HALL CO. MADE IN U.S.A. FRANCO-AM. R. CANADA
DAK WATERPROOF

LEVEL

KLC - 4

- Basal MELTOUT
- SANDY SILT MATRIX
- pebbles + minor cobbles
- no cryoturbation

KLC - 4 - C · TILL SAMPLE

KLC 4 → 4 → 2

TILL

KLC 4 - 1 · 50% TILL

50% organic

KLC - 5

Slope changed at 25m from KLC - 4 - slope rises + forest changes to pine.

- TILL - lateral moraine?
- ~~SILTY~~ COARSE ~~SANDY~~ SILTY SAND MATRIX
- drier than previous sites
- gravelly lense at bottom
- large boulders in vicinity
- undulating surface morphology

ICP

KLC - 5 - C - TILL (ABLATION?)

60cm

MMI

KLC - 5 - 4 : TILL · SLIGHTLY COARSER THAN 3

KLC - 5 - 3 · TILL

KLC - 5 - 2 · TILL

KLC - 5 - 1

- B - HORIZON, LITTLE TO NO ORGANIC
- SANDY LENSE AT BASE
- TILL, MINOR ASH

LEVEL

KLC-6

- Lateral moraine
- rolling surface
- ABLATION TILL
- SILTY SAND matrix
- pebbles + cobbles
  - Subangular

ICP

KLC-6-C : TILL 60cm

MMI

KLC-6-4 : TILL

KLC-6-3 : TILL

B-horizon

KLC-6-2 : TILL

B-horizon

KLC-6-1 : TILL, ASH

B-horizon

KLC-7

- ABLATION MORAINE
- rolling surface - well defined
- SILTY SAND MATRIX
- Pebbles + cobbles - SUBANG → SUB ROUND
- SLIGHT FINING UPWARD

ICP

KLC-7-C : TILL (55cm)

- ABUNDANT CLASTS (Pebbles)

MMI

KLC-7-4 = ABLATION TILL

KLC-7-3 "

SILTIER MATRIX

KLC-7-2 "

- ~~SILTIER~~ SANDIER MATRIX

KLC-7-1 = ABLATION TILL

- Tephra
- organics

↳ B-horizon

474019 E
6739480N

KLC - 8
- ABLATION MORAINE
- rolling surface.
- SILTY SAND MATRIX
- Pebble + Cobbles
  ↳ subangular + subround
- greenstones

ICP
KLC - 8 - C . TILL (53cm)

MMI
KLC - 8 - 4 - roots present ? Tree ? THROW! - Ablation Till
KLC - 8 - 3 "
KLC - 8 - 2 "
- B-horizon
KLC - 8 - 1 - Ablation till + tephra.
- B-horizon.

KLC - 9
- LATERAL Moraine
- rolling to planar surface.
- SILTY SAND MATRIX
- pebbles + cobbles -
  ANGULAR TO SUBANGULAR
- OLIVE BROWN TILL.

ICP
KLC - 8 - C : TILL 62cm.

MMI
KLC - 8 - 4 . Ablation till
KLC - 8 - 3 "
KLC - 8 - 2 "
KLC - 8 - 1 Ablation till (80%) + Tephra. (20%)

THIS TILL AND previous one are slightly THAN 07 + 06.

LEVEL

KLC-10

- LATERAL MORAINE
- ROLLING & RIDGED SURFACE

SEE WADE'S NOTES

KLC-11

- LATERAL MORAINE / ROLLING MORAINE
- ROLLING RIDGED SURFACE
- SILTY COARSE SAND - MATRIX
- PEBBLES, COBBLES, ANGULAR TO SUB ROUND, BOULDERS IN AREA

PIT STRATIGRAPHY - 0/5 ORGANIC
5/25 GREY TILL/BASAL COMP.
25/57 OXYDIZED ABLATION TILL

ICP KLC-11-C = TILL TO 57cm

MMI

KLC-11-4 - OXYDIZED ABLATION TILL
KLC-11-3 - " " "
KLC-11-2 - GREY BASAL TILL
KLC-11-1 - 50% GREY 50% ASH & ORGANICS

B HORIZON EXTENDS TO BASE OF THE PIT

R. D. HALL MACKENZIE MOUNTAINS DAWSON RANGE CANADA

LEVEL

No.....

Date..... Page .....

KLC-12

- Lateral Moraine, flanked to west by outwash channel
- slightly rolling surface sloping off to east
- silty sand matrix
- Pebbles/cobbles mostly subangular
  - granitic
  - greenstone
- Olive tan colored till

ICP

KLC-12-C Till 65cm

MMI

KLC-12-4 - Sandy till (ablation?) with roots

KLC-12-3 - " " "

→ KLC-12-2 - more organics, some clay.

KLC-12-1 - Sandy clay/organics 1cm ash below organics

B horizon extends to bottom of pit

KLC - 13 62cm
- LATERAL Moraine surface
- SILTY COARSE SAND MATRIX
- pebbles / Cobbles / boulders
↳ subangular → subround

[ICP] KLC - 13 - C - LATERAL MORAINE

[MMI]
KLC - 13 - 4 - Ablation till
KLC - 13 - 3 - Ablation till
KLC - 13 - 2 - " " roots
KLC - 13 - 1 - Ablation till + organics roots
↳ sandy

- SAMPLE TAKEN ADJACENT TO A MELTWATER CHANNEL OUTLET.
- well drained site -

No. KLC MMI lower line
Date 08/15/06 Page 1194m

KLC-14 60.78582 135.48086 #49m

- Melt out till, glacial fluvial channel beside lateral moraine. Sandy with small boulders with smaller cobbles & pebbles at pit bottom. Greenstone & seds, rounded granodiorite

[ICP] KLC 14C Sandy till as matrix to lots of cobbles 60cm

[MMI] KLC-14-04 Coarse sandy till
KLC-14-03 Coarse Sandy till to bottom of roots
KLC-14-02 Sandy & roots & organics
KLC-14-01 Fine Sandy Clay with some organics

No.
Date. Page.

KLC-15 60.78513 135.48163 1172m

Ablation till, silty sand w/ small cobbles and pebbles, 25%. Presumptively greenstone. Mostly subangular. Dry well drained.

ICP KLC-15-C silty till 60cm roots to bottom.

MMI

KLC-15-4 } silty
KLC-15-3 }

KLC-15-2 Discoloration due to oxidation and more sandy

KLC-15-1 Virtually no organics, except pine needles lots of roots

No.
Date. Page.

KLC-16 60.78436 135.48258 1161m

Lateral moraine with C horizon starting at 30cm. Mostly rounded to subangular pebbles Mostly greenstone Poorly developed organic layer with discontinuous ash

ICP KLC-16-C 55cm Very silty with roots to bottom

MMI

KLC-15-4

KLC-15-3 Silty

KLC-15-2 more sandy, lots of rootlets

KLC-15-1 Thin, roots but lots, silty.

No.

Date. Page.

KLC-17 60.78358
135.48327 1147m

Pebble to angular cobbles
lots of greenstone appears
well silicified
C/B boundary rather
diffuse Very little ~1cm
of organics

ICP Ablation till 58cm
Some large roots
KLC-17 -C

MMT KLC-4 SiH

KLC-3 SiH lots of
rootlets

KLC-2 B horizon at 15-20
cm rootlets still silty

KLC-1 More sandy, minor
tephra, possibly bioturbated

No.

Date. Page.

KLC-18 60.78276
135.48424 1131m

Undulating ablation
surface, Mostly pebble with
small-med cobbles
Very little to no organics

ICP 63 cm, Sandy till
with Mg stained pebbles

MMT

KLC-4 ~~Very~~ Sandy; with silt
~~coarse~~ with
minor rootlets

KLC-3 B horizon starts more sandy
component.

KLC-2 coarser sand.

KLC-1 Silty clay with minor sand
organics with no tephra.

No.
Date. Page.

KLC-19 60.78186
135.48484 1119 m

Basal melt out, very small cobbles with lots of pebbles.

ICP KLC-19-C Sandy gravel with small pebbles and Mg staining 55 cm

MMI

KLC-19-4 Changing to more silty till

KLC 19-3 ~~very~~ silty sand lots of rootlets

KLC 19-2 Mostly B, last bit is C, roots very silty.

KLC 19-1

No.
Date. Page.

KLC-20 60.78113

Lateral morraine near undulating ablation surface.

ICP KLC-20-C

MMI

KLC-19-4 Mostly silt

KLC-19-3 Mostly silt with gravel.

KLC-19-2 Boundary B/C = 18-20, silt with rootlets

KLC-19-1 Silt/sand, roots minor organics from

No.
Date Page

KLC-21 60.78046 135.48632 1108m

Lateral morraine
Well drained SSE aspect
Slope. Virtually
no organics
B depressed to 35cm on slope.

ICP KLC-21-C 58cm
Sandy pebbly silt

MMI
KLC-21-4 roots, pebbles, sand silt with gravel
KLC-21-3
KLC-21-2
KLC-21-1

5mm ash with slight increase in roots

No.
Date Page

KLC-22 60.77965 135.48699 1090m

Ablation till beside modern melt water channel
Roots to ~45cm

ICP KLC-22-C 65cm
Silty sand with lots of pebbles to v small cobbles

MMI
KLC-22-4 silty sand and roots
KLC-22-3
KLC-22-2
KLC-22-1

B/C boundary about 20cm

No.
Date. Page

KLC-23 60.77892 135.48795 1083 m

Slope of lateral morraine

South facing aspect.

Bottom 35cm is gravely pebbly sand mixture. Appears to be decalcified granite. B/C boundary

ICP KLC-23-C 65cm

Rootlets all the way to the bottom

MMI

KLC-23-4 Silt matrix, pebbles, sand

KLC-23-3 more silty

KLC-23-2 definitly silt yellow to brown 1/2 B 1/2 C

KLC-23-1 lots of roots B, no organics all is dead.

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Date. Page

KLC-24 60.77811 135.48849 1065m

Slightly undulating ablation surface. Very silty till with small to med pebbles to bottom of B horizon at 22 cm then some med cobbles. Mostly greenstone and granite mix, silicified and altered

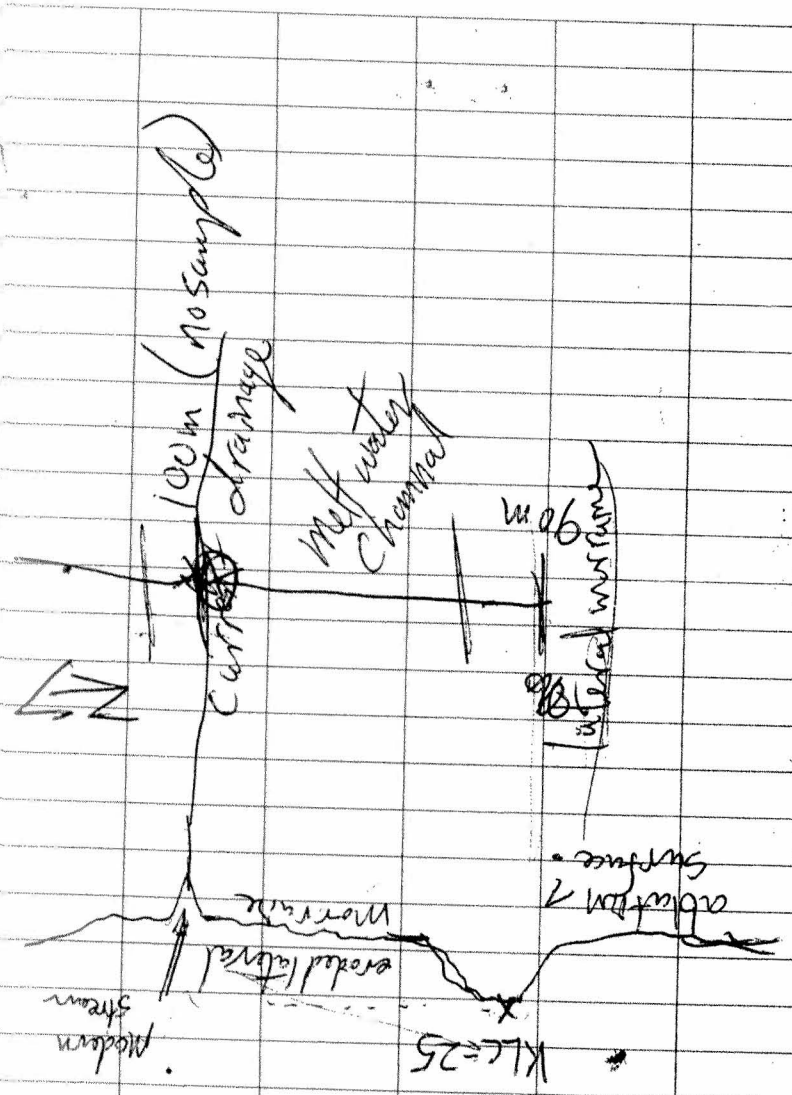
ICP Till 52cm
Silty some sand gravel

MMI KLC-24-4 Silty high yellow rootlets to 40

KLC-24-3 more roots with slightly more sand.

KLC-24-2 All B horizon brownish yellow

KLC-24-1 Organics to 5cm
1 cm tephra Reddish browns



KLC-25 60.77646 135.48942 1068m

probably lateral moraine

lots of cobbles medium sized rounded to sub rounded

ICP Sandy fill 53cm

MMI

KLC-24-4 sandy light

KLC-24-3 sandy more dark pieces

KLC-24-2 change to B horizon sandy

KLC-24-1 tephra lots roots some organic

No. ....

Date. .... Page. ....

KLC-26

— ~~roar~~ ~~Till~~ ablation Till
450 m N of creek Valley
which may have had some
glacial melt water flow

— ice direction was to west

— undulating

0–15 cm silty/clay/sand

15– bottom much more sandy

— large pebbles to small cobbles

— rusty brownish tan color
~~pr~~ all B horizon

[ICP] KLC-26-C Till 55 cm

[MMI] KLC-26-4 – ~~roots~~ Sandy/silty/clay, 1 cm tephra below, orange

KLC-26-3 – Sandy, roots

KLC-26-2 – Change siltysandy

KLC-26-1 – roots silty/clay, 1 cm tephra below, organics

IVAN, STEVE + KIRK + WIB

AUG 10
SUNNY!!

KLC - 27

- GROUND MORAINE - ALPINE SETTING
  - COARSE MATRIX. - OXIDIZED
    - SILTY C. SAND
  - PEBBLES, COBBLES + BOULDERS
    - GRANITIC ERRATICS
  - ROLLING SURFACE

ICP KLC - 27-C

MMI

KLC - 27-4	Ablation till
KLC - 27-3	"
KLC - 27-2	"
KLC - 27-1	" + MINOR ASH + ORGANICS.

LEVEL

KLC - 28   471286E
6739974N

- Basal Meltout till - olive Gray
- silty coarse sand
  - less oxidized than
    previous site
- B-horizon 5cm - 30cm
- well defined B-horizon
- Pebbles, Cobbles + Boulders
- site shows evidence of
  solifluction - increased
  soil moisture may be related
  to winter drifting +
  slope aspect (094°) East
- outcrop about 30m upslope
- Moraine Thickness is estimated
  at 2-5 m.

ICP
KLC - 28 - C = Basal Meltout Till → 60cm depth

MMI
KLC - 28 - 04 . "
KLC - 28 - 03 " incl. base of B-horizon
KLC - 28 - 02 " B-horizon
KLC - 28 - 01 50% Basal meltout
50% organic) B-horizon

KLC - 29   471371 E
6740161 N

- Ablation Till - olive brown
- silty coarse sand matrix
- well oxidized
- pebble, cobble

- B-horizon 10 - 50cm
- well developed B-horizon
- moist site (064°) aspect
- Moraine Thickness is estimated
  at 2-5m.

ICP KLC - 29 - C   Basal Meltout 68cm.

MMI KLC - 29 - 04 : Basal Meltout
KLC - 29 - 03 : "
KLC - 29 - 02 : " + roots
KLC - 29 - 01 : Till, organic
Tephra + roots

LEVEL

E 0471461
N 6740353

KLC-30 - Ablation till, silty-coarse sand
- mottled appearance (gray)
- B horizon 2cm - 15cm, 13cm thick
- Flat to rolling surface
- Standing water at one time?

ICP KLC-30-C 70cm Ablation till

MMI KLC-30-04 Ablation till
KLC-30-03 " "
KLC-30-02 " "
KLC-30-01 " " B horizon develop, roots + organics.

KLC-31 E 0471549
N 6740524
- Ablation till, silty sand matrix
- olive gray colour
- 50cm deep.
- pebbles/cobbles, boulder
- silt translocation evident at base.

ICP KLC-31-C

MMI KLC-30-04 - Ablation Till -
KLC-30-03 " "
KLC-30-02 " "
KLC-30-01 " " B horizon, roots, minor organics.

LEVEL

No.
Date. Page.

KLC-32

- basal melt out.
- sandy layer at base, silty above
- bioturbated(?) 16cm deep
small cobbles to medium pebbles

E 0471035
N 6739942

ICP KLC-32C Till 62cm

MMI
KLC-32-04 silty minor sand roots
KLC-32-03 Sandy lens(?); roots.
KLC-32-02 sand, bioturbated, organic clay
KLC-32-01 clay rich sand, minor silt. roots.
tephra under organics, 1.5cm thick
minor organics.

No.
Date. Page.

KLC-33

- Till overlain by possible basal melt out

- olive brown-grey silt will sand
- B horizon roots 18cm deep
- minor pebbles

ICP KLC33C Till 62cm

MMI
KLC-3304 - sandy silt
KLC-33-03 - silty, minor roots
KLC-33-02 - sandy silt, B horizon
KLC-33-01 - silty, minor organics.

60.78641 N
135.53619 W

KLC - 34

Ablation Till

- Sandy matrix
- pebble, cobble
- patchy oxidation at base of pit.
- Rolling surface
- Ablation hollow ~~nearest~~ 20m upslope.

KP KLC - 34 - C Grey Ablation till
60 cm dep.

MMI

KLC - 34 - 04
Silty Sand, Ablation till

KLC - 34 - 03 "

KLC - 34 - 02 "

KLC - 34 - 01 - Ablation till
- Roots
- B - horizon

Sample #	Northing (mN)	Easting (mE)	Character	Texture	Origin	Till type	Horizon	Color	Depth (cm)
KLC-01	6740180	474393	dry	silt/sand	glacial	basal melt out	C	yellow/grey	60
KLC-02	6740096	474346	dry	sandy/silt matrix with pebbles	glacial	basal melt out	C	olive	60
KLC-03	6740005	474301	dry	sandy/silt matrix with pebbles	glacial	basal melt out	C		55
KLC-04	6739917	474254	dry	sandy/silt matrix with pebbles	glacial	basal melt out	C	yellow/grey	60
KLC-05	6739828	474218	dry	coarse silty/sand matrix	glacial	lateral moraine/ablation?	C	yellow/grey	60
KLC-06	6739747	474147	dry	silty/sand matrix with pebbles/subangular cobbles	glacial	lateral moraine	C		60
KLC-07	6739645	474097	dry	silty/sand matrix with pebbles/subangular+subrounded cobbles	glacial	ablation/moraine	C		55
KLC-08	6739569	474058	dry	silty/sand matrix with pebbles/subangular+subrounded cobbles	glacial	ablation/moraine	C		53
KLC-09	6739479	474019	dry	silty/sand matrix with pebbles/angular to subangular cobbles	glacial	ablation	C	olive/brown	62
KLC-10	6739384	473995	dry	silty/coarse sand matrix with pebbles/angular to subrounded cobbles	glacial	lateral moraine	C		56
KLC-11	6739301	473941	dry	silty/coarse sand matrix with pebbles/angular to subrounded cobbles	glacial	lateral moraine	C		57
KLC-12	6739212	473892	dry	silty/sand matrix with pebbles/subangular cobbles	glacial	lateral moraine	C	olive/tan	65
KLC-13	6739115	473860	dry	silty/coarse sand matrix with pebbles/subangular to subrounded cobbles	glacial	lateral moraine	C		
KLC-14	6739028	473819	dry	sandy with pebbles and cobbles	glacial	melt out, beside lateral mo	C	brown	60
KLC-15	6738952	473774	dry	silty/sand matrix with pebbles/subangular cobbles	glacial		C		60
KLC-16	6738862	473721	dry	silty with rounded to subangular pebbles	glacial	lateral moraine	C		55
KLC-17	6738775	473684	dry	silty/sand matrix with pebbles/angular to subangular cobbles	glacial	ablation	C		58
KLC-18	6738688	473630	dry	sandy till with cobbles	glacial	ablation	C		63
KLC-19	6738596	473596	dry	sandy gravel	glacial	basal melt out	C		55
KLC-20	6738502	473567	dry	silty/sand matrix with pebbles/subangular cobbles	glacial	lateral moraine	C		
KLC-21	6738427	473516	dry	silty/sand matrix with pebbles	glacial	lateral moraine	C		58
KLC-22	6738344	473480	dry	silty/sand matrix with pebbles/subangular cobbles	glacial	ablation	C		65
KLC-23	6738260	473429	dry	silty/sand matrix with pebbles/subangular cobbles	glacial	lateral moraine	C		65
KLC-24	6738170	473396	dry	silty with rounded to subangular pebbles	glacial	ablation	C		52
KLC-25	6737986	473347	dry	sandy with pebbles and cobbles	glacial	lateral moraine	C		53
KLC-26	6739610	471127	dry	sandy with pebbles and cobbles	glacial	ablation	C	tan/brown	55
KLC-27	6739785	471215	dry	silty/coarse sand matrix with pebbles, cobbles and boulders	glacial	ablation	C	red/brown	
KLC-28	6739977	471289	dry	sillty/coarse sand	glacial	basal melt out	C	olive/grey	60
KLC-29	6740163	471369	dry	silty/coarse sand matrix with pebbles and cobbles	glacial	ablation	C	olive/brown	63
KLC-30	6740353	471460	dry	sillty/coarse sand	glacial	ablation	C	mottled grey	70
KLC-31	6740522	471550	dry	silty/sand matrix with pebbles/cobbles/boulders	glacial	ablation	C	olive/grey	50
KLC-32	6739441	471034	dry	sandy with pebbles and cobbles	glacial	basal melt out	C		62
KLC-33	6739274	470935	dry	silty/sand matrix with pebbles	glacial	basal melt out?	C	olive/grey	62
KLC-34	****	****	dry	sandy matrix with pebbles/cobbles	glacial	ablation	C	grey	60

No. KING LAKE MMI
Date Aug 9/06 Page 01

JEF BOND, STEVIE TRAYNOR, IVAN ELASH & I STARTED MMI ORIENTATION SURVEY

KLC-1-1 TO 4 PLUS ICP

SAMPLE LOCATION PIT DUG NEAR POST #1 KLC #14

SAMPLES ARE SILTY SAND & GRAVEL FROM BASAL MELT OUT.
TEXTURAL CHANGE AT 20 CM
KLC-1-1 & 2 ARE BASAL TILL

PITS ARE LOCATED ON THE COMMON LINE AT 100 METRE STATIONS

No. KLC - MMI SURVEY
Date Aug 9/06 Page 02

KLC-10

- LATERAL MORAINE
- ROLLING & RIDGED SURFACE
- SILTY SAND MATRIX
- PEBBLES & COBBLES WITH
- BOULDERS IN THE VICINITY
- SUB ANGULAR TO SUB ROUND
- OLIVE BROWN TILL

[ICP] KLC-10-C : TILL 57 CM

[MMI] KLC-10-4 - ABLATION TILL
LOWER B KLC-10-3 " "
UPPER B KLC-10-2 " "
KLC-10-1 ORGANICS & TEPHRA & ~~OLIVE~~ TILL

KLC-13 LAST SAMPLE FOR DAY

RETURN TO WHITEHORSE : 6:PM

No. KLC MMI Survey
Date Aug 10/06 Page 03

JEFF BOND, STEVIE TRAYNOR, KIRK , IVAN ELASH, SAMPLED KLC-26 TO AT 200 METER SPACING ON THE KLC TO COMMON LINE ABOVE TWEE LINE.

No. KLC-MMI Survey
Date Aug 15/06 Page 04

IVAN ELASH, STEVIE TRAYN & I FINISHED LINE ONE OF THE MMI SURVEY

SAMPLE KLC-14 TO 25 TAKE AT 100 METER SPACING ON T KLC 1-16 COMMON LINE.

4 - MMI SAMPLES & 1 ICP SAMPLE PER PIT.

STEVIE TRAYNOR TOOK DETAILED NOTES ON EACH PIT.

IVAN & I DUG THEM.

RETURN TO WHITEHORSE 6:P

No. King Lake Copper
Date. Sept 19/06 Page. 01

Ivan & I tagged posts & Prospected Line 33-48.

Outcrop on KLC-41 & 42 is mafic volcanic with abundant clonite alteration. The fractures are filled with calcite. Slightly magnetic

Outcrop on KLC 47 & 48 appears to be granite porphyry

Sample # OCGP/2 taken from outcrop on KLC-48

Sample is granite porphyry with calcite in the fractures. Malachite, Moly & Rusty sulfides in the calcite on fracture surfaces.

No. KLC
Date. Sept 20/06 Page. 02

Ivan & I prospected & tagged posts KLC-53 to 64

Located a Bear Den on the common line just NE of #1 Post KLC 59

Outcrop is mafic volcanics fractured & altered with clonite & calcite filling the fractures

Outcrop is well exposed to Post #1 KLC 61 & 62

We traversed NW to Post #2: 79 & 80. Tagged & prospected the claims back to KLC 73-74

Outcrop is well exposed on the ridge tops. Mafic volcanic package as seen on KLC53-64.

No. KING LAKE COPPER
Date. SEPT 22/06 Page. 03

IVAN & I TAGGED POSTS & PROSPECTED THE SOUTHWEST CORNER OF THE KLC CLAIM BLOCK.

THE MAFIC VOLCANIC PACKAGE IS WELL EXPOSED ON KLC 65-66, 68, 70 & 72.

WE PROSPECTED THE SAME FAULT ZONE THAT BILL WENG & I SAMPLED IN JUNE/06.

TOOK SAMPLE # KLC/3R FROM QUARTZ VEIN RUBBLE IN THE FAULT ZONE. SAMPLE IS WELL MINERALIZED WITH CHALCOPYRITE, BORNITE, MALACITE & RUSTY SULFIDES.

THE FAULT ZONE IS THE ONLY AREA WITH QUARTZ VEIN MATERIAL FOUND SO FAR.

No. KING LAKE COPPER
Date. SEPT 23/06 Page. 04

IVAN & I TAGGED KLC 17 TO KLC 32. WE PROSPECTED THE COMMON LINE AS WE TAGGED THE POSTS.

NO OUTCROP FOUND.

WE RETURNED TO THE FAULT ZONE SAMPLED SEPT 22ND & DUG TWO HAND TRENCHES IN THE FAULT RUBBLE.

WE ENCOUNTERED LARGER COBBLES OF QUARTZ VEIN MATERIAL ALL WELL MINERALIZED WITH BORNITE, CHALCOPYRITE & MALACITE.

RETURNED TO WHITEHORSE AT 5:PM.

WEATHER SUNNY & WARM

No. KING LAKE
Date SEPT 25/06 Page 05

IVAN & I prospected North West of King Lake. Granite porphyry outcrops on the hill immediately NW of the lake. The outcrop is feldspar & quartz Monzonite with large clasts of mafic volcanic rocks. The contacts to the NE & SW are obscurred by dirt in old drainage channels

No. KING LAKE
Date SEPT 26/06 Page 06

IVAN & I prospected the North - South fault linear on KLC.

The only outcrop is on the North Ridge. Rocks are clonitically altered mafic volcanics. Fractures are healed by calcite veinlets

The southern extension of the fault linear is obscured by glacial till & outwash.

I VAN & I prospected the KLC claims. We went into the fault area on the Northwest of the claims. We dug two trenches above the previously sampled quartz float area. My trench got to bedrock at a depth of 1 meter. Sample KLC/4R taken from mineralized quartz vein

The vein is less mineralized than the material sampled below. I VAN's trench did not reach bedrock. He did not encounter quartz vein float. I VAN's trench was dug 10 meters above mine. ~~Ma~~ The vein strikes more to the West or Southwest of my last trench. Snow chased us off at 3:PM

No. KING LAKE COPPER
Date OCT 5/06 Page 09

No.
Date Page

IVAN & I RETURNED TO THE FAULT AREA. THE GROUND IS FROZEN. THE WIND & SNOW CHASED US OFF AGAIN BEFORE NOON

Yukon
Energy, Mines and Resources

Claim Status Report

26 February 2007

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
KLC 1 - 48	YC46921 - YC46968	2007/06/05	39231 Yukon Inc.	100.00	105D14, 105D13
KLC 49 - 56	YC46969 - YC46976	2007/06/02	39231 Yukon Inc.	100.00	105D13
KLC 57 - 80	YC46977 - YC47000	2007/06/05	39231 Yukon Inc.	100.00	105D13

Criteria(s) used for search:

CLAIM NAME: KLC CLAIM NUMBER (FROM & TO): 1 & 80 CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

Total claims selected : 80

Left column indicator legend:

R - Indicates the claim is on one or more pending renewal(s).
P - Indicates the claim is pending.

Right column indicator legend:

L - Indicates the Quartz Lease.
F - Indicates Full Quartz fraction (25+ acres)
P - Indicates Partial Quartz fraction (<25 acres)
D - Indicates Placer Discovery
C - Indicates Placer Codiscovery
B - Indicates Placer Fraction

105D14

MINING CLAIMS

UTM Zone: UTM Zone 8
Datum: NAD 83
Mining District: Whitehorse
Map Creation Date: Jan 15, 2007

105D13

MINING CLAIMS

UTM Zone: UTM Zone 8
Datum: NAD 83
Mining District: Whitehorse
Map Creation Date: Aug 21, 2008

Yukon
Energy, Mines, and Resources
Mineral Assessment Branch