

**YEIP
2007
-005**

YMIP 07-005

**PHASE 2
PROPERTY EXAMINATION REPORT
ON
THE KLC #1 – 132 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: DECEMBER 31, 2007

SUMMARY

It is estimated that the King Lake Copper property owned by 39231 Yukon Inc. contains an exciting new copper /gold /molybdenum prospect. Results from ICP rock and channel sampling conducted in conjunction with a mobile metal ion soil sampling survey in 2007 suggest a large area of coincidental gold, copper and molybdenum 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%). Several large outcrops of massive porphyritic – hornblende diorite were found north and west of King Lake. Limited prospecting, of the immediate area, produced evidence of a new zone (>300 by 200 meters) of extensive copper/ gold mineralization. Rock- channel samples taken in this area returned values to 1479ppm copper and 55ppb gold across 1 meter. The best vein sample taken, returned a value of 11.5% copper and 2 grams / ton gold. This sample was of quartz-chalcopyrite vein, taken from outcropping sheeted quartz veins, in (the newly discovered) chloritically- altered diorite vein / breccia zone on the west side of King Lake. This vein / breccia zone is adjacent to a hematite breccia zone in the same intrusive rock. The MMI soil/till survey done in 2007 was a follow-up to the initial reconnaissance (mobile metal ion multi-element leach orientation sampling in 2006) survey, completed in phase 1, of a limited geochemical program. Prospecting and the ICP / rock and MMI / soil sampling survey have returned results that indicate a very large intrusive hosted copper / gold / molybdenum target.

TABLE OF CONTENTS

	PAGE
SUMMARY	2
TABLE OF CONTENTS	3
LIST OF ATTACHMENTS	4
CHAPTER ONE:	INTRODUCTION
1 – 1	INTRODUCTORY STATEMENT 5
1 – 2	PROPERTY DESCRIPTION 5
1 – 3	PROPERTY & REGIONAL GEOLOGY 5
1 – 4	PHYSIOGRAPHY & VEGETATION 5&6
1 – 5	HISTORY OF CLAIMS 6
1 – 6	PREVIOUS EXPLORATION 6
1 – 7	DESCRIPTION & SUMMARY OF WORK 6
CHAPTER TWO:	ANALYSIS AND DISCUSSION 7
2 – 1	ROCKS: ICP MULTI-ELEMENT PLUS GOLD 7
2 – 2	SOILS: MMI SAMPLING SURVEY 7&8
CHAPTER THREE:	CONCLUSIONS AND RECOMMENDATIONS 8
REFERENCES:	9
LIST OF FIGURES:	
FIGURE 1:	CLAIM LOCATION MAP
FIGURE 2:	MMI SOIL GRID LOCATION MAP
FIGURE 3:	ROCK SAMPLE LOCATION MAP
FIGURE 4:	ROCK CHANNEL LOCATION MAP

LIST OF ATTACHMENTS:

ATTACHMENT A: ACTIVITY LOG
ATTACHMENT B: CERTIFICATES OF GEOCHEMICAL ANALYSIS
ATTACHMENT C: ICP & MMI SPREAD SHEETS
ATTACHMENT D: COLOR COMPILATION MAPS
ATTACHMENT E: REGIONAL GEOLOGY & MAGNETIC MAPS
ATTACHMENT F: STATEMENT OF COST
ATTACHMENT G: STATEMENT OF QUALIFICATIONS

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 prospecting, rock and follow-up MMI soil- sampling survey was conducted, on the KLC Claims in July, August, September and October of 2007, by personnel of 39231 Yukon Inc. Phase 2 soil sampling was done in August and September. Prospecting and sampling of channels and trenches was done in September and October of 2007. 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 its intrusive copper/gold potential.

1 – 2: PROPERTY DESCRIPTION

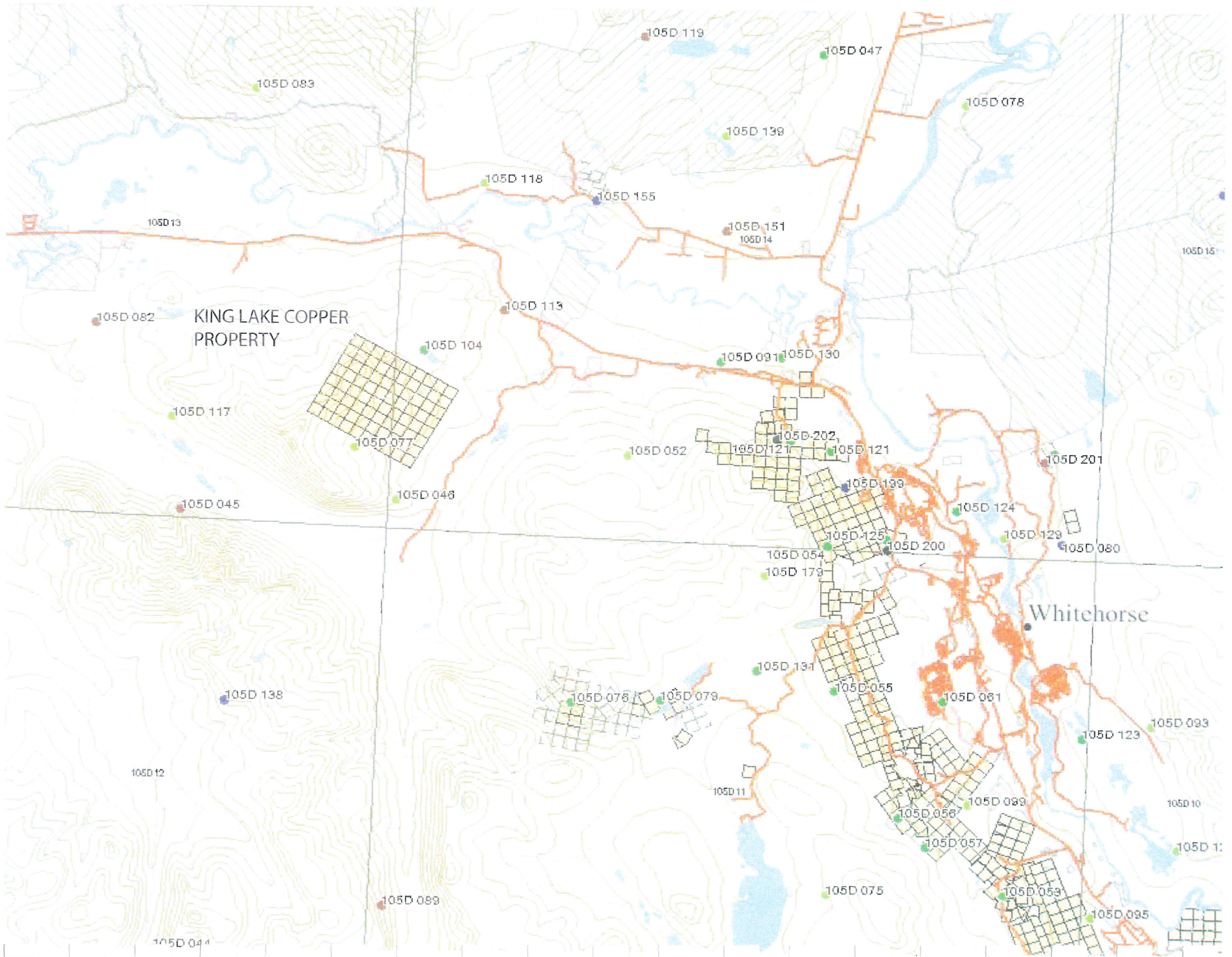
The property, which consists of 132 contiguous quartz claims, located in the Whitehorse Mining District, covers the northwest end, of the Whitehorse Copper Belt, south of Takhini River on NTS map sheets 105D/13 & 14. The property is currently accessible by two all weather gravel roads from the Alaska Highway, fourteen 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. Jeff Bond, Don Murphy, Karen Pelltier and Steve Traynor of the Yukon Geological Survey visited the property September 10th. Karen Pelltier began preliminary mapping on September 10th, 18th and 20th. The reader is advised of the updated reference list attached to this report.

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 through the property west to east and north to south. The south 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 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 132 contiguous quartz claims, (staked in June, 2006 & 2007) located in the Whitehorse Mining District. These claims are registered as: KLC #1 (YC46921) to KLC #80 (YC47000); KLC #81 (YC 64873) to KLC #100 (YC64892); KLC #101 (YC65767) to KLC #108 (YC65774); KLC #109 (YC65785) to KLC #132 (YC65808).

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). An orientation MMI geochemical soil survey and limited hand trenching was conducted in 2006 by personnel of Tanana Exploration Inc.

1 – 7: DESCRIPTION AND SUMMARY OF WORK

A total of 64 man-days were spent prospecting and sampling the KLC claims and preparing and shipping the samples for analysis. Grid lines were run using the claim common lines and the connecting lines in between. MMI soil sampling commenced on August 1st and was completed on September 9th. MMI soil samples were collected at 450- meter stations covering the corners of every claim on the KLC property. Prospecting of the claims began on July 30th. Sampling of rock channels and trenches in the new Vein / Bretcha Zone began September 14th and ended September 17th. Prospecting and sampling ended October 2, 2006.

Mobile metal ion soil sampling was carried out in accordance with techniques outlined by J. Bond of the Yukon Geological Survey. A total of 132 soil samples were collected for the Phase 2 MMI survey. 15 rock samples and 6 channel samples were collected from the claim area and shipped for ICP analysis. The second stage of the exploration of the KLC claims was completed October 2nd.

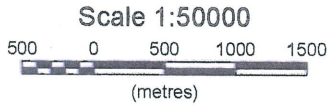
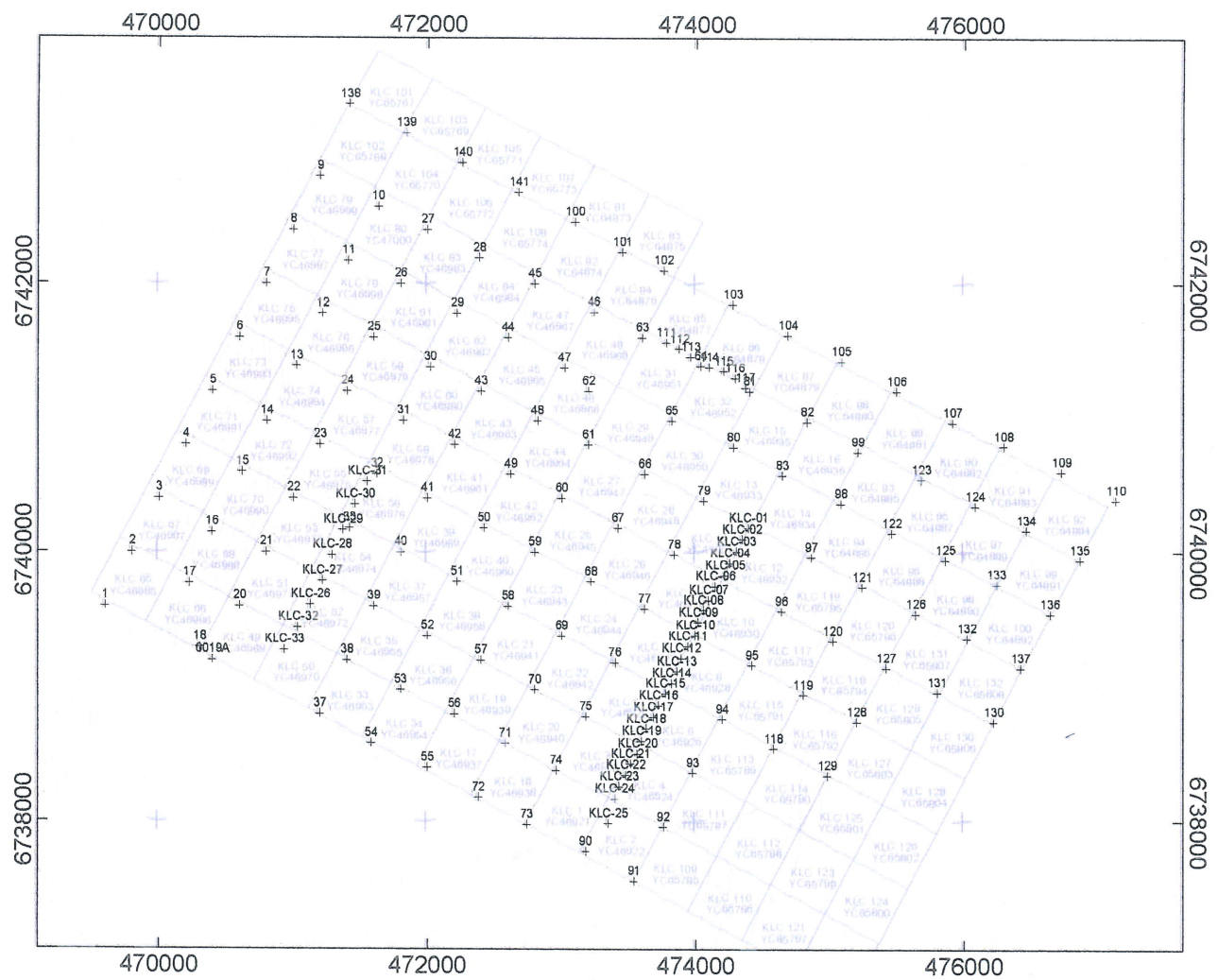
CHAPTER 2: ANALYSIS AND DISCUSSION

2 – 1: ROCK SAMPLING:

Fifteen rock samples were taken from trenches in the new Vein / Bretcha Zone and six channel samples were taken from bedrock exposed in areas of the new zone west of the blast pits south of King Lake. Rock samples were placed in plastic sample bags, sealed, numbered and shipped for analysis. Sample sites were GPS located (see Figure 3). Samples were shipped for analysis at Echo Tech Laboratory; in Kamloops. The rock samples were crushed and 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 11.5% copper and 2 grams / ton gold and was taken from trench #25 in the new Vein/Bretcha Zone. The best channel sample ran 1479ppm copper, 55ppb gold, 23.7ppm molybdenum and 1.6ppm silver across 1 meter.

2 – 2: MMI SOIL SAMPLING SURVEY

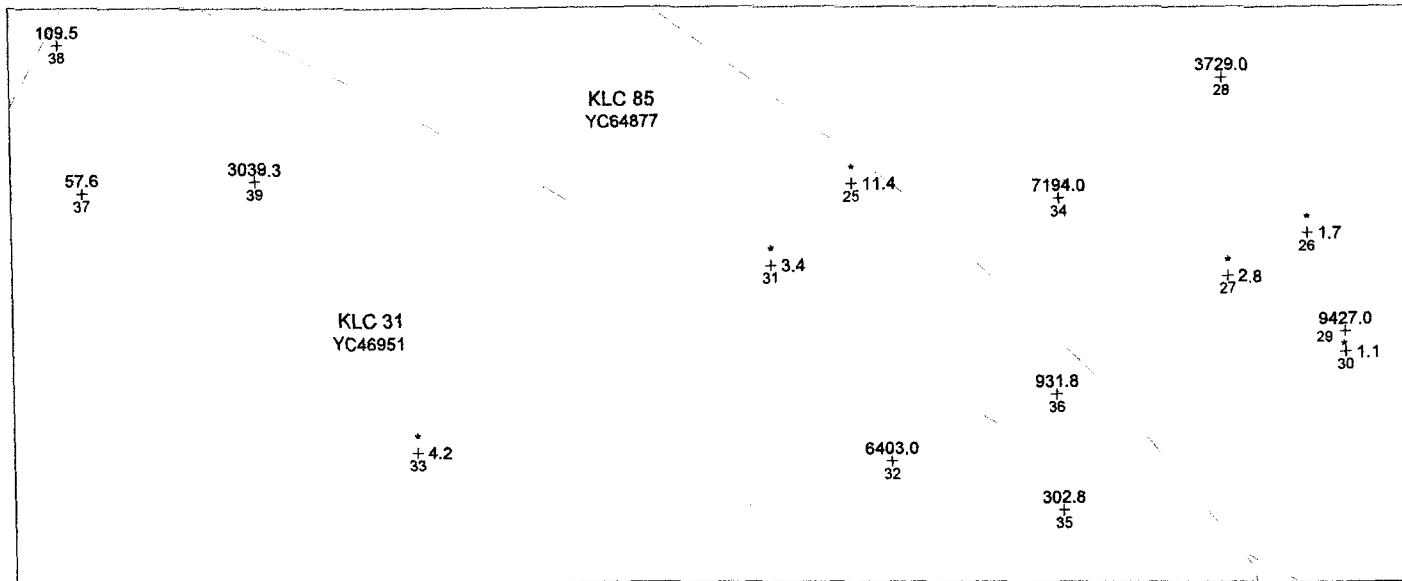
Mobile Metal Ion, multi element leach, soil geochemistry sampling was carried out at 450 meter spacing, to target geochemical anomalies, over a large area of known glacial cover and to tie in known geochemical anomalies. An orientation survey of thirty- five sample pits was dug on two separate grid lines in 2006. The 2007 sample pits are GPS located (see Figure 2). The lines are 450 meters apart and run in parallel across the property. One hundred thirty two sample pits were dug at 450 meter spacing to a minimum depth of 40 centimeters. One sample was taken from each pit at 20 to 30 cm depth (sample depth determined by 2006 survey). The sample depth is measured down from the bottom of the live organic layer at the top of the pit. 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 300 grams in weight. Each sample is numbered separately and each pit is described in notes for future geological referencing. Analysis of one hundred thirty two - 300-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 spreadsheet format. Digital compilation of the data and generation of graphics was completed by Mr. Robert Stirling (contract geologist / geophysicist) of Whitehorse and correlated with the 2006 information. The most coincident copper / gold / molly values came from the northwest end of the survey area. The high copper, gold and molly values on the north end of the sample lines is attributed to the proximity of the new Vein/Bretcha Zone, which may underlie the entire north side of the property. A spot high gold anomaly near the north end of Line #2 (2006) is attributed to the West Fault Zone (2006). Two copper/gold anomalies on the south side of the property may be attributed to another fault zone. Elevated values for copper are broader; to the



Tanana Exploration Inc.

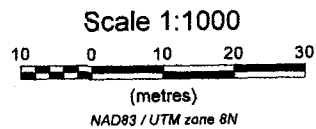
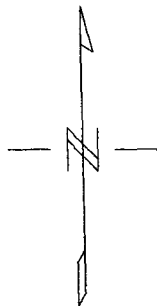
King Lake Project
Sample Locations for 2006 and 2007 MMI Soil Surveys

NAD 83 / UTM Zone 8N
December 27, 2007

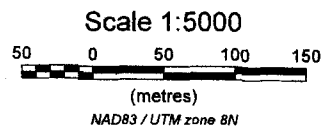
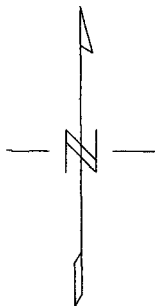
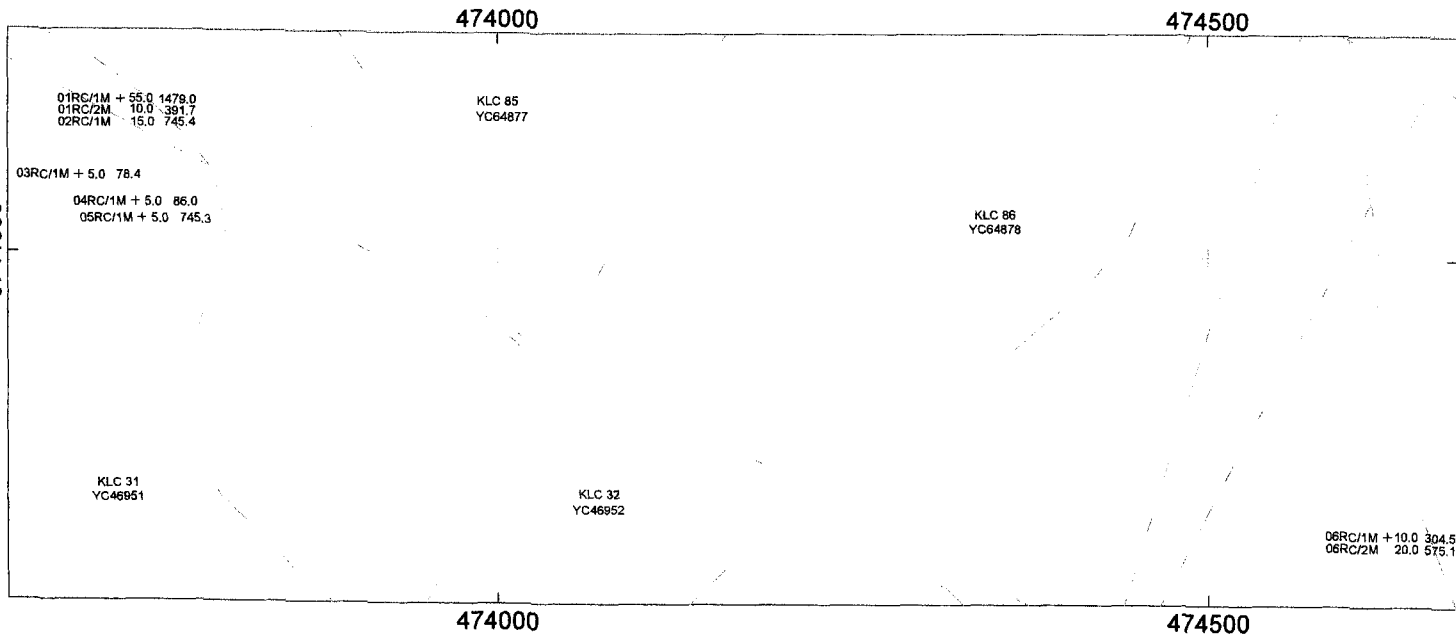


Data plotted relative to sample location:

Above - Cu ppm
 Right - Cu %
 Below - Sample number



Tanana Exploration Inc.
King Lake Project Rock Samples Pits Cu ppm, Cu %
December 4, 2007



Tanana Exploration Inc.

King Lake Project
Rock Samples - Channel
Au ppb, Cu %

December 13, 2007

northwest and southeast, 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.

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, gold and molybdenum on the northwest end of the claim block, gives evidence of a well developed mineralized system related to the geophysical targets covered by the KLC claims. A close spaced follow-up MMI soil- sampling program (100- meter spacing), should be carried out over the six- copper/gold/molly anomalies in this area and the one copper/gold/molly anomaly at the north end of grid line #2 (2006). The geochemical survey needs to be extended to the northwest and southeast in order to test the full potential of the geochemical anomalies (in excess of 4 sq. kilometers in the northwest). 450 meter spacing of sample locations on the claim corners was effective for reconnaissance sampling. Follow-up sampling of anomalous zones with 100- meter stations will delineate drill targets. The rock outcrops seen on the claims, were mafic- metavolcanics of the Laberge Group (northeast and west of King Lake) and cloritically altered grey-green porphyritic hornblende diorite (north, south and west of King Lake).

Limited prospecting and trenching of the new Vein/Bretcha Zone (> 300 x 200 meters), located on the west side of the lake produced many anomalous rock samples. Sample #25R, a piece of quartz vein in cloritically altered diorite, assayed 11.5% copper and 2 grams/ton gold.

Respectfully submitted



Wade S. Carrell, President
Tanana Exploration Inc.

REFERENCES:

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 and Ivan Elash

DATE	PERSONNEL		ACTIVITY DESCRIPTION
	WC	IE	
July 30/07	x	x	Prospecting & tagging posts
July 31/07	x	x	Prospecting & tagging posts
Aug 01/07	x	x	MMI soil sampling
Aug 02/07	x	x	MMI soil sampling
Aug 03/07	x	x	MMI soil sampling
Aug 04/07	x	x	MMI soil sampling
Aug 05/07	x	x	MMI soil sampling
Aug 06/07	x	x	MMI soil sampling
Aug 07/07	x	x	MMI soil sampling
Aug 08/07	x	x	MMI soil sampling
Aug 09/07	x	x	MMI soil sampling
Aug 10/07	x	x	MMI soil sampling
Aug 11/07	x	x	MMI soil sampling
Aug 12/07	x	x	MMI soil sampling
Aug 13/07	x	x	MMI soil sampling
Aug 30/07	x	x	Prospecting & claim staking
Sep 06/07	x	x	MMI soil sampling
Sep 07/07	x	x	MMI soil sampling
Sep 08/07	x	x	MMI soil sampling
Sep 09/07	x	x	MMI soil sampling
Sep 10/07	x	x	MMI soil sampling
Sep 11/07	x	x	MMI soil sampling
Sep 12/07	x	x	MMI soil sampling
Sep 14/07	x	x	ICP rock sampling
Sep 15/07	x	x	ICP rock channel sampling
Sep 16/07	x	x	ICP rock channel sampling
Sep 17/07	x	x	ICP rock channel sampling
Sep 18/07	x	x	Prospecting & mapping
Sep 20/07	x	x	Prospecting & mapping
Sep 22/06	x	x	Claim staking
Sep 23/06	x	x	Claim staking
Oct. 02/07	x	x	Prospecting & hand trenching
Oct. 03/07	x	x	Package & deliver ICP-rocks; Echo Tech Lab in Whitehorse
Oct. 03/07	x	x	Package & Ship MMI-soil samples to SGS Canada Lab in Toronto, On.

ATTACHMENT B

CERTIFICATES OF GEOCHEMICAL ANALYSIS



Certificate of Analysis

Work Order: 096319

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

Date: Nov 14, 2007

P.O. No. : Project: King Lake Copper
Project No. : DEFAULT
No. Of Samples 58
Date Submitted Oct 12, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

Discard after 90 days: 58 Soils

Certified By : _____

Russ Calow, B.Sc., C.Chem.
Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable - = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

SGS Canada Inc. Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.ca

Member of the SGS Group (Société Générale de Surveillance)



Certificate of Analysis

Work Order: 096320

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

Date: Nov 14, 2007

P.O. No. : Project: King Lake Copper
Project No. : DEFAULT
No. Of Samples 75
Date Submitted Oct 12, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

Discard after 90 days: 75 Soils

Certified By : _____

Russ Calow, B.Sc., C.Chem.
Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

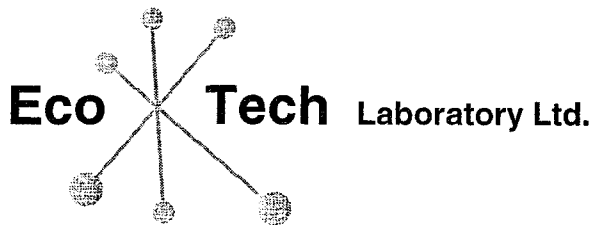
Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable - = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

SGS Canada Inc. Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.ca

Member of the SGS Group (Société Générale de Surveillance)



ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2007-7257

Tanana Exploration
27 Tutshi Road
Whitehorse, YK
Y1A 4R4

10-Sep-07

No. of Samples Received: 15
Sample Type: Rock
Project: K.L.C
Submitted by: W. Carrell

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
1	25	1.97	0.057	85.7	2.499	11.4
2	26					1.73
3	27			36.7	1.070	2.78
6	30					1.05
7	31					3.39
9	33					4.22

QC DATA:

Repeat:

1	25	2.02	0.059	86.1	2.511	11.5
---	----	------	-------	------	-------	------

Standard:

Cu120						1.52
Pb113				22.8	0.665	
OXK48		3.53	0.103			

JJ/nl
XLS/06

Jutta Jealouse
ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

10-Jul-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 7090

39231 Yukon Inc.
27 Tutsi Road
Whitehorse, YK
Y1A 3R4

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 4
Sample Type: Rock
Project: KLC
Submitted by: W. S. Carrell

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	KLR-20	<5	0.2	0.74	25	600	<5	1.62	<1	4	65	3	2.19	30	0.40	686	3	0.04	3	640	22	<5	<20	27	0.03	<10	23	10	21	37
2	KLR-21	<5	<0.2	0.76	25	180	5	0.47	<1	8	84	3	2.37	20	0.46	510	2	0.06	3	690	22	<5	<20	9	0.16	<10	36	<10	23	35
3	KLR-22	5	<0.2	1.29	35	90	<5	1.12	<1	15	108	803	2.53	10	1.23	371	4	0.07	21	1450	30	15	<20	54	0.14	<10	72	20	7	26
4	KLR-23	5	<0.2	1.09	25	60	<5	0.91	<1	14	104	872	2.52	10	1.07	353	3	0.07	21	1490	26	10	<20	50	0.13	<10	71	<10	6	30

QC DATA:

Repeat:

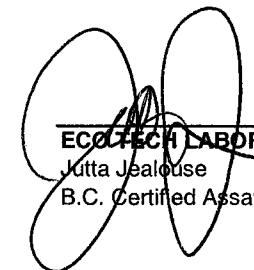
1	KLR-20	5	<0.2	0.78	20	625	10	1.65	<1	4	67	4	2.27	30	0.42	704	4	0.04	4	650	22	5	<20	28	0.02	<10	25	<10	23	37
---	--------	---	------	------	----	-----	----	------	----	---	----	---	------	----	------	-----	---	------	---	-----	----	---	-----	----	------	-----	----	-----	----	----

Resplit:

1	KLR-20	5	<0.2	0.77	20	640	5	1.76	<1	3	60	3	2.20	30	0.41	703	3	0.04	2	640	20	<5	<20	30	0.02	<10	24	<10	22	36
---	--------	---	------	------	----	-----	---	------	----	---	----	---	------	----	------	-----	---	------	---	-----	----	----	-----	----	------	-----	----	-----	----	----

Standard:

SE29	605																														
Pb113		11.1	0.33		60	70	<5	1.71	48	4	6	2327	1.12	<10	0.14	1532	70	0.02	3	60	5430	20	<20	74	0.02	<10	10	10	2	6989	



ECO TECH LABORATORY LTD.
Jutta Jealous
B.C. Certified Assayer

JJ/bp
dt/7082
XLS/07

ECO TECH LABORATORY LTD.

10041 Dallas Drive
KAMLOOPS, B.C.
 V2C 6T4

ICP CERTIFICATE OF ANALYSIS AW 2007- 7403

Tanana Exploration
 27 Tutshi Road
Whitehorse, YK
 Y1A 3R4

Phone: 250-573-5700
 Fax : 250-573-4557

No. of samples received: 8
 Sample Type: Rock
Project: KLC
 Submitted by: W. Carrell

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	01RC/1M	55	1.6	3.86	4.7	45.5	0.22	1.47	0.42	43.0	237.0	1479.00	4.96	7.1	20	0.19	<0.5	4.78	1003	23.70	0.050	90.3	109.0	0.13	0.10	1.02	7.0	0.4	44.0	0.06	0.3	0.078	0.06	0.1	110	0.4	79.
2	01RC / 2M	10	0.4	4.67	5.8	71.0	0.12	3.54	0.21	51.9	256.5	391.70	6.73	10.4	20	0.22	0.5	5.50	1328	4.08	0.060	92.1	261.0	<0.01	0.22	0.34	17.1	0.4	43.5	0.06	2.3	0.066	0.12	<0.1	208	0.5	101.
3	02RC/1M	15	0.4	3.42	12.2	57.5	0.14	1.83	0.10	43.9	111.0	745.40	5.20	7.0	25	0.23	<0.5	2.68	662	6.75	0.211	52.0	283.0	<0.01	0.34	0.28	2.8	0.6	82.5	0.14	1.1	0.081	0.10	<0.1	134	0.4	48.
4	03RC/1M	5	<0.2	2.48	2.5	69.0	<0.02	1.14	0.11	25.0	105.0	78.43	2.86	4.4	20	0.05	1.0	2.32	476	79.68	0.068	42.4	789.0	<0.01	0.04	0.08	2.4	0.2	48.5	0.02	0.8	0.073	0.06	<0.1	56	0.7	46.
5	04RC/1M	5	<0.2	2.53	1.2	82.0	<0.02	1.65	0.07	34.2	130.0	86.00	6.42	6.3	<5	0.15	2.5	2.58	688	3.33	0.092	41.3	2481.0	<0.01	<0.02	0.06	5.0	0.2	72.5	<0.02	0.8	0.095	0.06	<0.1	162	<0.1	76.
6	05RC/1M	5	0.7	3.77	1.5	143.5	0.32	3.11	0.08	33.2	292.0	745.30	5.60	10.3	15	0.28	3.0	4.28	929	4.11	0.090	122.2	1841.0	<0.01	0.08	0.10	4.4	0.3	79.0	0.04	0.5	0.095	0.08	<0.1	170	0.6	88.
7	06RC/1M	10	0.2	2.94	2.3	95.0	0.04	2.72	0.05	22.7	180.5	304.50	4.42	7.1	15	0.07	3.5	1.87	565	2.23	0.153	40.8	1782.0	<0.01	0.04	0.06	3.6	0.3	113.0	0.04	0.4	0.067	0.04	<0.1	150	0.5	48.
8	06RC/2M	20	0.2	2.76	3.1	59.0	0.08	2.56	0.08	24.6	181.5	575.10	4.26	6.8	15	0.05	2.5	1.99	587	3.77	0.113	44.9	1698.0	<0.01	0.08	0.10	3.7	0.4	88.5	0.06	0.4	0.070	0.04	<0.1	136	0.3	55.

QC DATA:

Resplit:

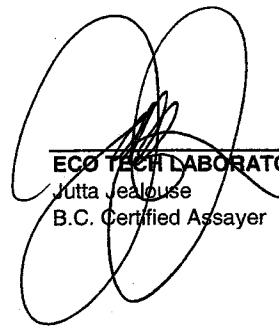
1	01RC/1M	50	1.5	3.93	4.9	46.5	0.22	1.52	0.42	44.4	239.0	1504.00	5.06	7.4	15	0.19	<0.5	4.81	1019	23.73	0.051	91.6	114.0	0.13	0.10	1.00	7.0	0.5	46.5	0.04	0.3	0.080	0.06	0.1	118	0.3	80.
---	---------	----	-----	------	-----	------	------	------	------	------	-------	---------	------	-----	----	------	------	------	------	-------	-------	------	-------	------	------	------	-----	-----	------	------	-----	-------	------	-----	-----	-----	-----

Resplit:

1	01RC/1M		1.4	3.96	4.6	45.5	0.20	1.54	0.38	44.6	234.0	1430.00	5.02	7.3	15	0.20	<0.5	4.87	1018	21.02	0.050	91.5	106.0	0.12	0.10	0.96	6.8	0.4	46.0	0.04	0.3	0.081	0.06	<0.1	116	0.3	79.
---	---------	--	-----	------	-----	------	------	------	------	------	-------	---------	------	-----	----	------	------	------	------	-------	-------	------	-------	------	------	------	-----	-----	------	------	-----	-------	------	------	-----	-----	-----

Standard:

SE29	600																																				
PB113A		11.0	0.23	60.1	66.0	1.14	1.77	43.01	1.7	5.0	2294.00	0.99	1.1	70	0.14	2.5	0.11	1508	62.41	0.034	1.4	92.0	5484.00	1.06	12.96	0.4	0.4	90.0	0.34	0.2	0.005	0.08	0.3	6	<0.1	7036.	


ECO TECH LABORATORY LTD.
 Jutta Jealous
 B.C. Certified Assayer

ATTACHMENT C

ICP AND MMI SPREAD SHEETS

10-Jul-07

ECO TECH LABORATORY LTD.

10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2007- 7090

39231 Yukon Inc.
27 Tutsi Road
Whitehorse, YK
Y1A 3R4

Phone: 250-573-5700
Fax : 250-573-4557

No. of samples received: 4
Sample Type: Rock
Project: KLC
Submitted by: W. S. Carrell

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	KLR-20	<5	0.2	0.74	25	600	<5	1.62	<1	4	65	3	2.19	30	0.40	686	3	0.04	3	640	22	<5	<20	27	0.03	<10	23	10	21	37
2	KLR-21	<5	<0.2	0.76	25	180	5	0.47	<1	8	84	3	2.37	20	0.46	510	2	0.06	3	690	22	<5	<20	9	0.16	<10	36	<10	23	35
3	KLR-22	5	<0.2	1.29	35	90	<5	1.12	<1	15	108	803	2.53	10	1.23	371	4	0.07	21	1450	30	15	<20	54	0.14	<10	72	20	7	26
4	KLR-23	5	<0.2	1.09	25	60	<5	0.91	<1	14	104	872	2.52	10	1.07	353	3	0.07	21	1490	26	10	<20	50	0.13	<10	71	<10	6	30

QC DATA:

Repeat:

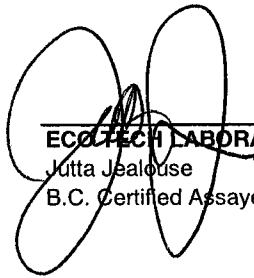
1	KLR-20	5	<0.2	0.78	20	625	10	1.65	<1	4	67	4	2.27	30	0.42	704	4	0.04	4	650	22	5	<20	28	0.02	<10	25	<10	23	37
---	--------	---	------	------	----	-----	----	------	----	---	----	---	------	----	------	-----	---	------	---	-----	----	---	-----	----	------	-----	----	-----	----	----

Resplit:

1	KLR-20	5	<0.2	0.77	20	640	5	1.76	<1	3	60	3	2.20	30	0.41	703	3	0.04	2	640	20	<5	<20	30	0.02	<10	24	<10	22	36
---	--------	---	------	------	----	-----	---	------	----	---	----	---	------	----	------	-----	---	------	---	-----	----	----	-----	----	------	-----	----	-----	----	----

Standard:

SE29	605																														
Pb113		11.1	0.33	60	70	<5	1.71	48	4	6	2327	1.12	<10	0.14	1532	70	0.02	3	60	5430	20	<20	74	0.02	<10	10	10	2	6989		



ECO TECH LABORATORY LTD.
Jutta Jealous
B.C. Certified Assayer

JJ/bp
df/7082
XLS/07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AW 2007- 7257

Tanana Exploration
27 Tutshi Road
Whitehorse, YK
Y1A 4R4

Phone: 250-573-5700
Fax : 250-573-4557

No. of Samples Received: 15
Sample Type: Rock
Project: K.L.C
Submitted by: W. Carrell

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	25	>1000	>30	0.90	42.8	3.4	20.25	1.82	4.61	32.1	99.9	>10000	6.91	2.3	847	0.03	0.3	0.96	277	878.80	0.037	43.4	28.8	15.68	0.03	0.62	2.07	2.5	19.4	20.0	4.60	<0.1	0.008	0.07	0.2	30	27.8	206.1
2	26	140	13.9	0.31	5.9	10.9	0.67	0.52	0.43	4.8	98.9	>10000	1.50	1.1	1068	0.01	0.9	0.25	77	44.49	0.044	12.3	207.2	2.67	0.32	0.23	0.23	0.9	5.2	22.2	0.38	0.1	0.016	<0.02	0.4	15	275.9	35.3
3	27	525	>30	0.11	52.3	3.8	77.04	0.05	0.39	169.4	120.1	>10000	8.76	1.1	221	0.05	0.7	0.08	29	5.00	0.045	98.0	121.3	2.62	0.02	2.28	0.50	0.4	29.0	17.7	39.05	<0.1	0.010	0.02	0.1	16	22.4	39.9
4	28	25	1.5	1.63	2.2	422.9	0.33	4.02	0.15	23.6	362.3	3729.00	3.21	8.9	1229	0.40	6.8	3.01	408	49.54	0.119	166.5	1793.0	2.91	0.42	0.06	0.17	4.2	1.0	102.1	0.13	0.1	0.147	0.13	0.5	190	379.3	60.1
5	29	480	23.0	1.08	5.5	34.9	3.92	0.47	0.34	15.1	154.4	9427.00	5.54	6.5	337	0.10	2.6	1.87	236	196.90	0.055	32.7	981.3	4.98	0.07	0.12	0.78	4.5	6.9	37.4	0.99	0.1	0.066	0.03	1.6	113	57.4	45.0
6	30	115	5.7	1.79	3.0	33.1	0.53	6.17	0.29	21.2	162.6	>10000	3.13	9.5	724	0.15	4.4	3.31	546	46.76	0.122	53.4	1504.0	4.33	0.25	0.14	0.29	4.6	2.1	137.3	0.16	<0.1	0.071	0.06	0.5	160	216.7	85.4
7	31	740	26.4	1.64	24.6	11.8	2.84	1.26	1.67	54.0	274.7	>10000	7.70	6.3	833	0.09	0.8	3.42	396	332.80	0.102	241.8	372.6	11.34	0.20	1.04	1.02	2.6	28.0	26.6	1.00	<0.1	0.046	0.05	0.2	72	174.0	98.9
8	32	50	4.3	1.13	3.2	7.9	5.80	5.78	0.39	12.4	111.3	6403.00	1.51	2.9	33	0.06	0.7	1.21	347	251.60	0.037	14.7	145.0	5.18	0.10	0.12	0.54	2.8	1.3	43.0	1.24	<0.1	0.021	0.02	0.1	48	10.4	38.5
9	33	680	22.5	0.99	4.6	9.5	2.99	0.40	0.34	59.0	159.8	>10000	5.43	5.3	257	0.05	0.9	1.92	247	27.09	0.068	57.4	458.9	4.07	0.08	0.67	0.21	3.0	11.3	11.1	1.19	<0.1	0.062	0.02	0.3	96	68.0	83.4
10	34	60	4.4	0.81	1.5	35.1	0.26	1.93	0.31	8.2	136.2	7194.00	1.18	3.3	42	0.12	1.5	0.67	185	84.87	0.064	29.3	483.7	2.54	0.02	0.13	0.23	1.6	1.8	27.2	0.06	<0.1	0.042	0.03	0.3	41	7.3	30.1
11	35	10	0.4	0.59	0.9	18.0	7.13	0.65	0.02	9.7	232.0	302.83	0.67	2.6	114	0.09	0.8	0.64	192	5.31	0.040	20.5	191.3	4.02	0.04	<0.02	0.32	2.7	0.1	11.1	1.37	0.1	0.017	<0.02	0.2	37	56.0	18.6
12	36	25	1.5	1.13	2.9	35.5	0.30	5.03	0.11	9.4	76.2	931.81	1.12	6.8	19	0.04	7.6	0.96	331	1.10	0.067	32.1	1595.0	3.37	0.01	0.02	0.39	1.7	0.4	96.4	0.04	0.9	0.081	<0.02	0.4	68	7.1	32.2
13	37	10	0.5	0.42	2.5	19.6	0.05	1.25	0.03	7.2	203.3	57.55	1.48	2.5	8	0.03	2.7	0.70	341	0.44	0.061	55.5	160.4	3.24	0.00	<0.02	0.39	2.2	0.3	8.8	0.02	1.9	0.063	<0.02	0.4	59	2.9	18.8
14	39	10	0.1	1.03	4.4	22.9	0.33	0.24	0.03	18.9	356.5	109.54	3.23	5.1	66	0.11	2.3	2.33	338	4.67	0.041	220.2	586.9	4.36	0.02	<0.02	0.58	7.8	0.3	7.5	0.06	0.2	0.024	0.03	0.4	82	21.5	140.1
15	39	30	2.8	1.15	1.5	56.3	0.05	1.26	0.33	19.4	199.8	3039.30	2.66	5.3	32	0.03	2.0	2.66	268	3.12	0.071	82.7	429.5	3.46	0.01	0.02	0.17	3.1	1.3	25.7	0.04	0.5	0.120	<0.02	0.3	105	14.4	46.1

QC DATA:

Repeat:		
1	25	>1000
2	26	140
3	27	570
6	30	95
7	31	680
9	33	655
10	34	45

1	25	>1000	>30	0.90	41.9	3.5	19.35	1.81	4.65	32.3	103.0	>10000	7.04	2.2	849	0.03	0.3	0.97	276	882.10	0.036	42.8	30.7	15.14	0.03	0.62	2.03	2.5	21.7	19.6	4.77	<0.1	0.008	0.07	0.2	31	26.4	207.3
---	----	-------	-----	------	------	-----	-------	------	------	------	-------	--------	------	-----	-----	------	-----	------	-----	--------	-------	------	------	-------	------	------	------	-----	------	------	------	------	-------	------	-----	----	------	-------

Resplit:		
1	25	>1000

1	25	>1000	>30	0.89	41.7	3.1	21.29	1.68	4.58	30.6	100.7	>10000	6.88	2.0	868	0.03	0.3	0.97	270	863.30	0.041	41.5	28.1	16.17	0.04	0.61	2.09	2.4	21.7	18.3	5.14	<0.1	0.007	0.07	0.2	29	30.6	207.0
---	----	-------	-----	------	------	-----	-------	------	------	------	-------	--------	------	-----	-----	------	-----	------	-----	--------	-------	------	------	-------	------	------	------	-----	------	------	------	------	-------	------	-----	----	------	-------

Standard:																																					
Pb113		11.5	0.27	58.4	62.8	1.53	1.55	38.04	1.5	4.4	2333.00	1.06	1.3	53	0.17	3.7	0.11	893	58.76	0.045	2.1	75.4	5529.00	0.08	1.01	11.15	0.4	0.4	82.5	0.30	0.4	0.006	0.11	0.4	6	0.8	6924.0

Jutta Jealous
ECO TECH LABORATORY LTD.
Jutta Jealous
Cer | Issay

ECO TECH LABORATORY LTD.
 10041 Dallas Drive
 KAMLOOPS, B.C.
 V2C 6T4

ICP CERTIFICATE OF ANALYSIS AW 2007- 7403

Tanana Exploration
 27 Tutshi Road
 Whitehorse, YK
 Y1A 3R4

Phone: 250-573-5700
 Fax : 250-573-4557

No. of samples received: 8
 Sample Type: Rock
 Project: **KLC**
 Submitted by: W. Carrell

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	01RC/1M	55	1.6	3.86	4.7	45.5	0.22	1.47	0.42	43.0	237.0	1479.00	4.96	7.1	20	0.19	<0.5	4.78	1003	23.70	0.050	90.3	109.0	0.13	0.10	1.02	7.0	0.4	44.0	0.06	0.3	0.078	0.06	0.1	110	0.4	79
2	01RC / 2M	10	0.4	4.67	5.8	71.0	0.12	3.54	0.21	51.9	256.5	391.70	6.73	10.4	20	0.22	0.5	5.50	1328	4.08	0.060	92.1	261.0	<0.01	0.22	0.34	17.1	0.4	43.5	0.06	2.3	0.066	0.12	<0.1	208	0.5	101
3	02RC/1M	15	0.4	3.42	12.2	57.5	0.14	1.83	0.10	43.9	111.0	745.40	5.20	7.0	25	0.23	<0.5	2.68	662	6.75	0.211	52.0	283.0	<0.01	0.34	0.28	2.8	0.6	82.5	0.14	1.1	0.081	0.10	<0.1	134	0.4	48
4	03RC/1M	5	<0.2	2.48	2.5	69.0	<0.02	1.14	0.11	25.0	105.0	78.43	2.86	4.4	20	0.05	1.0	2.32	476	79.68	0.068	42.4	789.0	<0.01	0.04	0.08	2.4	0.2	48.5	0.02	0.8	0.073	0.06	<0.1	56	0.7	46
5	04RC/1M	5	<0.2	2.53	1.2	82.0	<0.02	1.65	0.07	34.2	130.0	86.00	6.42	6.3	<5	0.15	2.5	2.58	688	3.33	0.092	41.3	2481.0	<0.01	<0.02	0.06	5.0	0.2	72.5	<0.02	0.8	0.095	0.06	<0.1	162	<0.1	76
6	05RC/1M	5	0.7	3.77	1.5	143.5	0.32	3.11	0.08	33.2	292.0	745.30	5.60	10.3	15	0.28	3.0	4.28	929	4.11	0.090	122.2	1841.0	<0.01	0.08	0.10	4.4	0.3	79.0	0.04	0.5	0.095	0.08	<0.1	170	0.6	86
7	06RC/1M	10	0.2	2.94	2.3	95.0	0.04	2.72	0.05	22.7	180.5	304.50	4.42	7.1	15	0.07	3.5	1.87	565	2.23	0.153	40.8	1782.0	<0.01	0.04	0.06	3.6	0.3	113.0	0.04	0.4	0.067	0.04	<0.1	150	0.5	48
8	06RC/2M	20	0.2	2.76	3.1	59.0	0.08	2.56	0.08	24.6	181.5	575.10	4.26	6.8	15	0.05	2.5	1.99	587	3.77	0.113	44.9	1698.0	<0.01	0.08	0.10	3.7	0.4	88.5	0.06	0.4	0.070	0.04	<0.1	136	0.3	58

QC DATA:

Resplit:

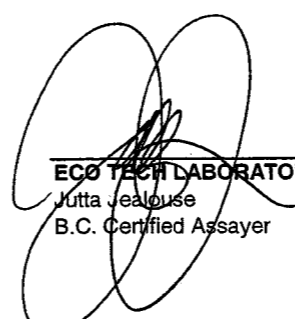
1	01RC/1M	50	1.5	3.93	4.9	46.5	0.22	1.52	0.42	44.4	239.0	1504.00	5.06	7.4	15	0.19	<0.5	4.81	1019	23.73	0.051	91.6	114.0	0.13	0.10	1.00	7.0	0.5	46.5	0.04	0.3	0.080	0.06	0.1	118	0.3	80
---	---------	----	-----	------	-----	------	------	------	------	------	-------	---------	------	-----	----	------	------	------	------	-------	-------	------	-------	------	------	------	-----	-----	------	------	-----	-------	------	-----	-----	-----	----

Resplit:

1	01RC/1M		1.4	3.96	4.6	45.5	0.20	1.54	0.38	44.6	234.0	1430.00	5.02	7.3	15	0.20	<0.5	4.87	1018	21.02	0.050	91.5	106.0	0.12	0.10	0.96	6.8	0.4	46.0	0.04	0.3	0.081	0.06	<0.1	116	0.3	79
---	---------	--	-----	------	-----	------	------	------	------	------	-------	---------	------	-----	----	------	------	------	------	-------	-------	------	-------	------	------	------	-----	-----	------	------	-----	-------	------	------	-----	-----	----

Standard:

SE29	600																																				
PB113A		11.0	0.23	60.1	66.0	1.14	1.77	43.01	1.7	5.0	2294.00	0.99	1.1	70	0.14	2.5	0.11	1508	62.41	0.034	1.4	92.0	5484.00	1.06	12.96	0.4	0.4	90.0	0.34	0.2	0.005	0.08	0.3	6	<0.1	7031	


ECO TECH LABORATORY LTD.
 Jutta Jealous
 B.C. Certified Assayer



Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
0001	6	215	<10	<0.1	500	<1	150	2	173	37
0002	4	98	<10	0.1	1060	<1	280	3	73	10
0003	6	>300	<10	<0.1	930	<1	20	14	64	37
0004	7	125	<10	<0.1	1830	<1	330	14	65	33
0005	6	95	<10	<0.1	1900	<1	290	4	49	15
0006	6	63	<10	0.2	1580	<1	360	1	73	14
0007	12	263	10	<0.1	290	<1	50	4	350	39
0008	15	49	<10	0.3	1640	<1	490	9	106	7
0009	16	73	<10	0.2	1280	<1	590	4	239	6
0010	13	49	<10	0.3	1290	<1	590	5	170	<5
0011	3	108	<10	0.1	4720	<1	300	<1	284	8
0012	7	138	<10	<0.1	1350	<1	360	5	69	18
0013	17	31	<10	0.4	1160	<1	480	3	30	7
0014	5	160	<10	<0.1	670	<1	230	20	65	31
0015	11	212	<10	<0.1	490	<1	180	6	197	36
0016	23	153	10	<0.1	380	<1	90	3	275	15
0017	5	265	10	<0.1	570	<1	50	7	120	71
0018	8	86	<10	<0.1	690	<1	370	9	115	18
0019A	6	93	<10	<0.1	2360	<1	210	3	100	28
0019B	18	29	<10	2.6	4920	<1	260	3	120	<5
0020	5	246	<10	<0.1	890	<1	90	12	85	25
0021	11	241	<10	<0.1	1170	<1	150	8	118	12
0022	7	94	<10	<0.1	1580	<1	270	10	105	<5
0023	8	116	<10	0.1	2100	<1	270	8	283	25
0024	17	135	<10	<0.1	1330	<1	340	7	122	13
0025	7	91	<10	<0.1	1370	<1	470	7	21	7
0026	14	60	<10	0.2	2620	<1	530	2	86	<5
0027	19	24	<10	0.3	770	<1	690	5	18	<5
0028	26	21	<10	1.2	1320	<1	660	8	34	10
0029	13	222	<10	0.1	1050	<1	170	24	53	56
0030	22	191	<10	0.3	470	<1	90	7	114	17
0031	17	42	<10	0.2	1030	<1	540	3	23	<5
0032	6	28	<10	0.1	170	<1	540	16	8	7
0033	13	65	<10	0.4	1590	<1	570	6	40	<5
0037	17	262	<10	<0.1	610	<1	30	3	167	39
0038	8	52	<10	0.1	1820	<1	190	3	129	21
0039	14	199	<10	<0.1	370	<1	90	3	115	25
0040	15	161	<10	<0.1	590	<1	120	2	169	13
0041	2	118	<10	0.1	3060	<1	80	2	401	12
0042	6	232	<10	<0.1	1050	<1	70	3	259	12
0043	19	27	<10	0.6	2070	<1	640	11	16	<5
0044	12	216	20	<0.1	2830	<1	80	3	317	43
0045	4	88	<10	<0.1	2690	<1	290	6	55	31
0046	9	127	10	<0.1	4070	<1	270	2	64	18
0047	5	210	<10	<0.1	1050	<1	190	1	139	13
0048	3	87	<10	0.1	2190	<1	270	5	56	56
0049	14	100	10	0.7	2680	<1	70	4	632	8
0050	14	>300	30	<0.1	1500	<1	40	6	165	90

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
	1	1	10	0.1	10	1	10	1	5	5
	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
0051	16	256	20	0.2	1450	<1	40	4	514	34
0052	4	149	<10	<0.1	1070	<1	170	5	99	18
0053	7	120	30	<0.1	1490	<1	160	4	129	18
0054	15	223	10	<0.1	550	<1	40	6	240	23
0055	16	44	10	0.2	3210	<1	270	4	240	7
0056	97	155	<10	<0.1	2090	<1	180	3	113	12
0057	7	51	<10	0.1	1180	<1	70	1	96	7
0058	15	123	<10	<0.1	830	<1	210	3	166	8
0059	6	210	10	0.3	1160	<1	70	2	100	21
0060	6	107	<10	<0.1	1400	<1	300	9	96	17
*Dup 0001	6	201	<10	<0.1	540	<1	160	2	181	38
*Dup 0013	18	37	<10	0.4	1030	<1	470	3	30	10
*Dup 0024	16	118	<10	<0.1	1180	<1	340	7	113	12
*Dup 0039	15	202	<10	<0.1	320	<1	100	4	110	29
*Dup 0051	17	251	20	0.2	1700	<1	40	3	683	39
*Std MMISRM14	17	35	10	42.3	90	<1	270	7	14	34
*Std MMISRM14	17	35	10	42.8	80	<1	270	7	16	34
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
0001	<100	670	47	21.9	9.3	54	53	65	<5	10
0002	<100	200	10	4.8	2.3	29	14	25	<5	12
0003	<100	190	17	8.7	2.9	108	15	25	<5	2
0004	<100	180	12	6.3	2.9	42	16	30	<5	21
0005	<100	190	10	5.1	2.8	26	13	23	<5	9
0006	<100	870	16	8.6	4.9	16	21	32	<5	9
0007	<100	930	67	31.8	14.3	34	80	113	<5	7
0008	<100	1760	20	9.3	5.6	44	27	41	<5	15
0009	<100	2440	77	37.1	24.6	9	117	167	<5	27
0010	<100	740	17	8.1	4.7	26	23	29	<5	21
0011	<100	440	34	13.0	12.2	24	50	81	<5	39
0012	<100	490	25	14.4	5.2	29	26	27	<5	11
0013	<100	1590	16	7.6	5.7	10	24	26	<5	10
0014	<100	130	13	6.2	3.5	43	15	30	<5	19
0015	<100	320	34	15.2	8.6	38	45	72	<5	10
0016	<100	350	30	13.4	9.3	13	46	150	<5	2
0017	<100	220	15	7.6	3.9	99	18	48	<5	3
0018	<100	1600	45	24.0	14.9	38	53	89	<5	14
0019A	<100	260	10	4.8	2.8	21	13	34	<5	16
0019B	<100	1180	57	27.5	18.2	7	87	140	<5	24
0020	<100	140	13	6.2	3.0	44	14	37	<5	2
0021	<100	130	17	8.1	3.9	31	21	46	<5	4
0022	<100	260	19	8.4	5.1	13	29	50	<5	5
0023	<100	1390	37	17.0	10.7	24	46	97	<5	6
0024	<100	390	61	28.0	16.3	20	81	86	<5	33
0025	<100	180	8	4.3	1.8	48	9	9	<5	29
0026	<100	730	29	13.5	9.7	14	40	39	<5	16
0027	<100	1660	6	3.0	2.5	15	9	11	<5	19
0028	<100	3660	9	4.0	4.1	11	14	11	<5	18
0029	<100	680	21	11.5	3.3	67	18	19	<5	25
0030	<100	1320	18	8.5	4.4	19	21	44	<5	12
0031	<100	810	12	5.9	4.6	12	18	17	<5	21
0032	<100	770	2	0.9	<0.5	10	2	3	<5	16
0033	<100	1230	17	8.5	5.7	18	22	19	<5	26
0037	<100	180	25	11.1	5.7	55	30	59	<5	2
0038	<100	670	14	5.8	4.0	25	20	51	<5	19
0039	<100	240	15	6.8	4.0	14	19	45	<5	6
0040	<100	470	21	9.5	6.2	16	30	72	<5	3
0041	<100	490	31	12.5	10.1	24	46	210	<5	4
0042	<100	310	40	17.5	9.5	18	50	94	<5	1
0043	<100	2180	16	7.5	6.5	13	23	16	<5	19
0044	<100	350	22	10.4	7.4	65	33	133	6	4
0045	<100	150	8	3.9	1.9	35	10	23	<5	21
0046	<100	220	8	4.0	2.2	69	10	29	<5	21
0047	<100	380	16	6.8	4.3	59	20	58	<5	7
0048	<100	550	23	14.2	3.4	162	18	23	<5	17
0049	<100	660	175	81.3	53.4	7	263	603	<5	5
0050	<100	200	18	8.1	4.4	166	21	75	8	5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
0051	<100	680	47	19.0	13.7	57	63	228	<5	5
0052	<100	140	15	6.7	3.6	45	18	46	<5	17
0053	<100	120	11	5.2	3.2	71	16	56	5	20
0054	<100	220	22	11.2	6.9	56	33	92	<5	2
0055	100	2320	78	38.6	20.3	30	111	261	<5	19
0056	<100	140	12	5.8	3.3	35	16	55	<5	16
0057	<100	210	17	7.1	4.8	4	25	59	<5	8
0058	<100	220	22	10.4	5.7	23	28	71	<5	9
0059	<100	140	12	5.9	2.8	135	13	43	<5	5
0060	<100	110	10	5.3	2.7	50	14	48	5	29
*Dup 0001	<100	700	45	21.3	9.1	55	53	69	<5	9
*Dup 0013	<100	1830	17	8.6	6.1	10	25	27	<5	10
*Dup 0024	<100	370	49	22.6	13.5	18	65	73	<5	33
*Dup 0039	<100	230	14	6.4	4.0	14	19	42	<5	7
*Dup 0051	<100	970	63	26.8	18.4	59	87	313	<5	6
*Std MMISRM14	<100	590	1	0.6	0.7	2	3	3	<5	36
*Std MMISRM14	<100	590	2	0.6	0.7	2	3	4	<5	36
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*BIK BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Pt MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB
0001	<5	0.8	145	118	70	<1	29	<1	32	<1
0002	<5	1.1	48	40	80	<1	10	<1	107	<1
0003	<5	3.2	45	65	100	<1	9	<1	125	<1
0004	<5	1.2	50	36	90	<1	10	<1	59	<1
0005	<5	0.8	41	27	50	<1	8	<1	112	<1
0006	<5	<0.5	65	22	20	<1	12	<1	66	<1
0007	<5	0.9	265	47	100	<1	51	<1	72	<1
0008	<5	0.9	78	128	50	<1	16	<1	47	1
0009	<5	<0.5	333	94	20	<1	64	<1	55	<1
0010	<5	<0.5	62	122	30	<1	12	<1	14	<1
0011	<5	<0.5	161	50	30	<1	32	<1	48	<1
0012	<5	<0.5	57	48	50	<1	11	<1	18	<1
0013	<5	<0.5	66	33	10	<1	11	<1	30	<1
0014	<5	1.6	50	55	160	<1	11	<1	43	<1
0015	<5	0.9	141	40	70	<1	29	<1	85	<1
0016	<5	<0.5	201	16	40	<1	47	<1	47	<1
0017	<5	2.4	64	69	110	<1	15	<1	135	<1
0018	<5	<0.5	146	83	40	<1	29	<1	73	<1
0019A	<5	0.8	51	31	70	<1	11	<1	85	<1
0019B	<5	<0.5	276	14	30	<1	52	<1	27	<1
0020	<5	1.2	53	76	170	<1	12	<1	97	<1
0021	<5	0.9	75	41	120	<1	16	<1	91	<1
0022	<5	<0.5	105	22	50	<1	21	<1	85	<1
0023	8	1.0	162	116	250	<1	35	<1	72	1
0024	<5	<0.5	211	56	50	<1	39	<1	54	<1
0025	<5	<0.5	22	50	50	<1	4	<1	37	<1
0026	<5	<0.5	99	46	20	<1	17	<1	43	<1
0027	<5	<0.5	23	82	10	<1	4	<1	20	<1
0028	<5	<0.5	30	90	30	<1	5	<1	10	<1
0029	<5	<0.5	44	66	190	<1	9	<1	64	<1
0030	14	<0.5	71	38	230	<1	15	<1	53	<1
0031	<5	<0.5	44	45	10	<1	7	<1	40	<1
0032	<5	<0.5	5	54	<10	<1	<1	<1	29	<1
0033	<5	<0.5	51	78	40	<1	9	<1	55	<1
0037	<5	1.5	105	53	100	<1	23	<1	140	<1
0038	<5	0.6	80	27	40	<1	17	<1	88	<1
0039	<5	0.7	75	40	70	<1	16	<1	51	<1
0040	<5	0.8	118	18	80	<1	26	<1	119	<1
0041	<5	0.8	216	15	50	<1	55	<1	108	<1
0042	<5	<0.5	166	29	100	<1	35	<1	86	<1
0043	<5	<0.5	43	125	10	<1	7	<1	9	<1
0044	<5	5.0	174	36	150	<1	41	<1	104	<1
0045	<5	0.6	38	45	160	<1	8	<1	92	<1
0046	12	2.2	41	34	90	<1	9	<1	66	<1
0047	<5	2.0	80	53	70	<1	18	<1	134	<1
0048	10	0.9	41	63	110	<1	8	<1	66	<1
0049	<5	1.4	1070	10	70	<1	233	<1	68	<1
0050	6	7.3	86	59	140	<1	21	<1	149	1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
0051	<5	2.5	276	36	80	<1	66	<1	344	<1
0052	<5	2.7	68	46	150	<1	15	<1	127	<1
0053	5	4.6	73	40	140	<1	17	<1	79	<1
0054	<5	2.2	150	33	240	<1	33	<1	80	<1
0055	<5	0.9	414	44	30	<1	89	<1	73	<1
0056	<5	2.4	72	29	160	<1	17	<1	125	<1
0057	<5	<0.5	100	7	40	<1	22	<1	61	<1
0058	<5	<0.5	111	37	70	<1	24	<1	32	<1
0059	6	4.8	54	45	230	<1	13	<1	112	<1
0060	<5	2.6	60	36	120	<1	14	<1	38	<1
*Dup 0001	<5	<0.5	149	122	60	<1	30	<1	31	<1
*Dup 0013	<5	<0.5	70	35	10	<1	12	<1	32	<1
*Dup 0024	<5	<0.5	184	54	40	<1	34	<1	51	<1
*Dup 0039	<5	0.7	72	42	70	<1	16	<1	52	<1
*Dup 0051	<5	2.4	375	37	90	<1	90	<1	356	<1
*Std MMISRM14	33	<0.5	13	209	90	45	2	<1	274	<1
*Std MMISRM14	33	<0.5	13	215	90	45	2	<1	275	<1
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<1	<5	<1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5	Te MMI-M5	Th MMI-M5	Ti MMI-M5	Tl MMI-M5
	5 PPB	1 PPB	1 PPB	10 PPB	1 PPB	1 PPB	10 PPB	0.5 PPB	3 PPB	0.5 PPB
0001	32	44	<1	320	<1	8	<10	16.3	210	<0.5
0002	11	12	<1	640	<1	2	<10	11.4	293	<0.5
0003	43	12	<1	110	<1	3	<10	26.1	1130	<0.5
0004	16	14	<1	770	<1	2	<10	11.6	522	<0.5
0005	17	11	<1	790	<1	2	<10	13.1	295	<0.5
0006	11	18	<1	840	<1	3	<10	7.4	127	<0.5
0007	38	71	<1	70	<1	12	<10	22.0	599	<0.5
0008	16	22	<1	930	<1	4	<10	19.1	124	<0.5
0009	15	93	<1	1530	<1	15	<10	4.7	6	<0.5
0010	11	19	<1	1210	<1	3	<10	6.1	53	<0.5
0011	30	46	<1	770	<1	7	<10	9.3	50	<0.5
0012	20	18	<1	770	<1	4	<10	6.3	71	<0.5
0013	8	19	<1	630	<1	3	<10	6.4	10	<0.5
0014	22	13	<1	580	<1	2	<10	10.8	1150	<0.5
0015	33	39	<1	230	<1	6	<10	12.1	674	<0.5
0016	37	44	<1	140	<1	6	<10	23.1	315	<0.5
0017	37	16	<1	140	<1	3	<10	22.3	1210	<0.5
0018	22	39	<1	770	<1	8	<10	8.3	125	<0.5
0019A	20	13	<1	570	<1	2	<10	19.3	376	<0.5
0019B	25	71	<1	1630	<1	11	<10	19.1	52	<0.5
0020	23	13	<1	350	<1	2	<10	16.3	480	<0.5
0021	18	18	<1	280	<1	3	<10	11.7	449	<0.5
0022	7	27	<1	470	<1	4	<10	10.0	85	<0.5
0023	30	42	<1	400	<1	7	<10	20.0	210	1.0
0024	29	65	<1	870	<1	11	<10	10.3	73	<0.5
0025	15	7	<1	860	<1	1	<10	2.0	39	<0.5
0026	11	32	<1	780	<1	6	<10	7.4	10	<0.5
0027	8	7	<1	860	<1	1	<10	3.1	13	<0.5
0028	10	10	<1	1320	<1	2	<10	5.8	10	<0.5
0029	24	13	<1	1220	<1	3	<10	8.3	207	<0.5
0030	27	18	<1	260	<1	3	<10	15.7	202	<0.5
0031	8	14	<1	770	<1	2	<10	3.0	19	<0.5
0032	7	1	<1	570	<1	<1	<10	1.4	70	<0.5
0033	11	17	<1	1070	<1	3	<10	6.4	31	<0.5
0037	28	27	<1	90	<1	5	<10	22.2	649	<0.5
0038	13	19	<1	700	<1	3	<10	16.7	209	<0.5
0039	19	19	<1	180	<1	3	<10	16.0	349	<0.5
0040	26	28	<1	220	<1	4	<10	22.8	478	<0.5
0041	35	45	<1	550	<1	6	<10	31.9	387	<0.5
0042	29	43	<1	170	<1	7	<10	16.0	261	<0.5
0043	9	16	<1	920	<1	3	<10	2.7	9	<0.5
0044	49	34	<1	220	<1	5	<10	27.9	3030	<0.5
0045	12	9	<1	1200	<1	1	<10	9.6	368	<0.5
0046	22	9	<1	1190	<1	1	<10	15.9	847	<0.5
0047	30	19	<1	280	<1	3	<10	27.8	796	<0.5
0048	33	12	<1	1180	<1	3	<10	11.6	248	<0.5
0049	193	254	<1	600	1	35	<10	35.1	580	<0.5
0050	46	21	<1	180	<1	3	<10	41.5	3080	<0.5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB
0051	67	65	<1	170	<1	9	<10	85.0	764	<0.5
0052	22	17	<1	460	<1	3	<10	24.1	1250	<0.5
0053	21	16	<1	510	<1	2	<10	34.7	2020	<0.5
0054	33	33	<1	130	<1	4	<10	27.3	964	<0.5
0055	29	100	<1	1260	<1	15	<10	110	175	<0.5
0056	23	15	<1	660	<1	2	<10	24.7	1180	<0.5
0057	20	24	<1	340	<1	3	<10	18.7	66	<0.5
0058	25	25	<1	670	<1	4	<10	9.3	105	<0.5
0059	40	13	<1	360	<1	2	<10	28.7	2070	0.6
0060	22	13	<1	1270	<1	2	<10	11.9	1000	<0.5
*Dup 0001	33	44	<1	320	<1	8	<10	20.5	187	<0.5
*Dup 0013	8	20	<1	620	<1	3	<10	7.4	16	<0.5
*Dup 0024	22	54	<1	900	<1	9	<10	8.7	59	<0.5
*Dup 0039	19	18	<1	170	<1	3	<10	14.9	345	<0.5
*Dup 0051	80	86	<1	180	<1	13	<10	102	726	<0.5
*Std MMISRM14	10	4	<1	520	<1	<1	<10	16.3	<3	<0.5
*Std MMISRM14	9	3	<1	530	<1	<1	<10	16.6	<3	<0.5
*Bik BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*Bik BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	U MMI-M5 1 PPB	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
0001	11	<1	228	16	60	13
0002	5	<1	49	3	150	19
0003	7	<1	81	6	180	67
0004	6	<1	72	5	110	28
0005	6	<1	57	4	190	26
0006	5	<1	106	6	30	18
0007	8	<1	371	22	30	26
0008	41	<1	107	7	30	18
0009	28	<1	533	22	20	7
0010	35	<1	98	6	30	11
0011	3	<1	130	8	30	13
0012	7	<1	165	11	20	23
0013	7	<1	102	5	30	7
0014	3	<1	67	5	60	19
0015	6	<1	158	10	70	28
0016	7	<1	155	10	40	34
0017	7	<1	71	6	40	42
0018	18	<1	347	16	30	13
0019A	5	<1	47	4	200	25
0019B	17	<1	360	19	120	15
0020	7	<1	59	4	50	32
0021	5	<1	85	6	100	17
0022	6	<1	94	6	40	11
0023	18	<1	181	13	20	26
0024	12	<1	316	19	50	16
0025	4	<1	48	3	110	7
0026	8	<1	161	9	20	8
0027	6	<1	43	2	40	5
0028	11	<1	54	3	50	5
0029	6	<1	131	8	150	8
0030	8	<1	98	6	30	20
0031	7	<1	75	4	30	6
0032	7	<1	10	<1	30	6
0033	19	<1	98	6	170	9
0037	6	<1	117	7	30	27
0038	12	<1	62	4	80	20
0039	5	<1	73	5	60	21
0040	7	<1	101	7	40	30
0041	9	<1	141	9	30	37
0042	6	<1	198	11	30	20
0043	7	<1	107	6	30	<5
0044	7	2	116	7	60	74
0045	5	<1	40	3	40	16
0046	6	<1	41	3	30	42
0047	11	<1	66	5	40	46
0048	52	<1	156	11	80	15
0049	23	2	1060	58	60	47
0050	8	1	74	6	70	99

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element	U	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB	PPB
0051	16	1	193	14	40	80
0052	6	<1	73	5	60	37
0053	4	1	56	4	40	46
0054	8	<1	129	9	60	52
0055	131	1	439	31	110	38
0056	5	<1	61	4	250	57
0057	7	<1	75	5	40	20
0058	14	<1	131	7	20	25
0059	8	<1	55	5	40	56
0060	5	<1	67	4	130	26
*Dup 0001	12	<1	219	15	40	14
*Dup 0013	8	<1	111	6	30	10
*Dup 0024	10	<1	255	15	40	15
*Dup 0039	5	<1	72	5	90	20
*Dup 0051	21	1	273	19	50	94
*Std MMISRM14	30	<1	7	<1	240	14
*Std MMISRM14	30	<1	7	<1	240	15
*Blk BLANK	<1	<1	<5	<1	<20	<5
*Blk BLANK	<1	<1	<5	<1	<20	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method DetLim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
0061	9	136	<10	0.2	1370	<1	380	7	145	30
0062	12	150	<10	0.1	980	<1	240	5	141	45
0063	11	63	<10	0.2	2290	<1	420	4	46	80
0064	10	56	<10	0.5	1400	<1	500	1	77	14
0065	16	77	20	0.2	1130	<1	250	2	191	25
0066	17	246	20	0.2	930	<1	40	5	215	40
0067	14	182	10	0.2	2190	<1	70	3	166	47
0068	11	146	10	<0.1	1460	<1	300	1	62	14
0069	9	297	30	<0.1	2140	1	80	13	163	108
0070	43	>300	30	0.1	1460	<1	140	4	213	17
0071	25	132	<10	<0.1	1090	<1	320	2	48	19
0072	9	>300	20	<0.1	4040	<1	50	15	140	82
0073	27	161	20	<0.1	1640	<1	40	2	122	22
0074	34	23	10	<0.1	4470	<1	280	3	41	39
0075	26	88	10	<0.1	700	<1	220	2	36	19
0076	18	128	20	<0.1	1610	<1	140	<1	298	29
0077	29	>300	40	0.1	1190	<1	40	2	169	19
0078	9	120	30	0.2	2640	<1	250	2	164	33
0079	3	68	10	0.1	3260	<1	410	1	82	7
0080	10	120	<10	0.1	1780	<1	460	4	184	10
0081	8	26	<10	0.1	1170	<1	580	8	36	14
0082	5	45	<10	0.1	870	<1	580	20	119	33
0083	4	111	<10	<0.1	910	<1	470	16	108	48
0090	19	14	<10	0.2	2740	<1	650	3	33	12
0091	28	18	<10	<0.1	4820	<1	400	1	53	23
0092	11	43	<10	<0.1	3410	<1	230	5	359	13
0093	31	64	<10	<0.1	4090	<1	390	7	104	19
0094	30	39	10	<0.1	1660	<1	320	3	78	19
0095	27	27	<10	<0.1	2910	<1	350	2	375	45
0096	27	35	<10	0.3	3360	<1	460	4	94	41
0097	16	66	20	<0.1	4610	<1	290	2	160	19
0098	25	62	<10	<0.1	1180	<1	620	12	22	26
0099	17	13	<10	0.3	3780	<1	710	2	8	14
0100	17	107	<10	<0.1	1510	<1	510	4	50	29
0101	6	47	<10	0.4	3150	<1	680	16	28	11
0102	2	17	<10	0.2	1210	<1	620	9	10	17
0103	16	13	<10	0.6	1210	<1	650	3	16	17
0104	7	27	<10	0.3	3770	<1	570	<1	77	11
0105	18	6	<10	0.4	1680	<1	630	3	15	21
0106	10	33	<10	0.2	1210	<1	560	4	22	7
0107	13	13	40	0.5	1650	<1	490	5	93	44
0108	17	11	<10	0.1	2880	<1	610	2	38	27
0109	10	6	30	0.4	1160	<1	630	9	28	56
0110	42	87	20	0.1	820	<1	170	4	195	9
0111	7	156	<10	0.1	310	<1	90	5	45	49
0112	14	31	<10	0.3	950	<1	780	3	10	8
0113	7	23	<10	0.6	1310	<1	650	14	30	32
0114	6	172	10	0.4	2220	1	220	2	328	36

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
0115	4	35	<10	0.3	970	<1	330	3	44	13
0116	6	15	<10	0.3	1950	<1	220	5	35	18
0117	6	17	<10	0.3	2030	<1	600	<1	20	13
0118	27	35	<10	0.2	1190	<1	280	3	52	15
0119	31	62	<10	0.1	1770	<1	390	8	34	14
0120	12	18	<10	0.1	3610	<1	210	1	192	36
0121	39	41	<10	0.3	1980	<1	500	12	43	<5
0122	8	78	<10	0.2	1320	<1	170	2	105	21
0123	18	23	<10	0.1	3310	<1	270	2	137	25
0124	21	33	10	<0.1	1160	<1	560	30	18	56
0125	19	48	<10	<0.1	2640	<1	120	4	114	16
0126	29	72	<10	<0.1	3210	<1	320	3	68	17
0127	11	26	<10	0.1	3930	<1	330	2	99	20
0128	15	14	10	0.3	3540	<1	300	2	136	31
0129	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
0130	33	101	<10	<0.1	2290	<1	250	3	69	14
0131	13	24	<10	0.2	3370	<1	260	1	173	44
0132	23	24	<10	<0.1	1170	<1	330	6	91	59
0133	34	28	<10	0.3	1930	<1	360	4	148	22
0134	21	26	<10	<0.1	2870	<1	240	3	168	27
0135	22	54	<10	0.3	950	<1	190	4	198	14
0136	22	23	<10	0.2	2000	<1	310	2	555	27
0137	19	73	<10	0.1	3580	<1	220	3	133	15
0138	1	127	70	<0.1	2110	<1	180	4	139	71
0139	11	22	<10	0.1	1380	<1	710	8	16	8
0140	12	3	<10	2.4	2420	<1	310	2	17	8
0141	9	205	30	<0.1	3260	1	110	3	172	42
*Dup 0061	8	106	<10	0.2	2060	<1	360	6	135	22
*Dup 0073	28	142	10	<0.1	1390	<1	40	1	124	17
*Dup 0091	28	17	<10	<0.1	4660	<1	350	2	52	25
*Dup 0103	13	13	<10	0.4	1200	<1	530	4	13	11
*Dup 0115	2	25	<10	0.1	1170	<1	250	3	36	14
*Dup 0127	12	29	<10	<0.1	3600	<1	330	2	94	27
*Dup 0139	10	25	<10	0.2	1230	<1	650	9	16	7
*Std MMISRM14	18	49	20	40.8	160	<1	310	8	23	51
*Std MMISRM14	16	39	10	46.9	160	<1	240	7	19	42
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
0061	<100	850	40	24.2	8.8	34	47	72	<5	19
0062	<100	400	16	7.0	4.4	86	21	59	<5	7
0063	<100	660	5	2.5	1.8	21	8	19	<5	39
0064	<100	2700	12	6.2	3.5	48	18	36	<5	32
0065	<100	820	17	8.1	4.8	32	24	67	<5	16
0066	<100	270	22	10.7	6.3	110	29	92	<5	3
0067	<100	490	13	5.5	4.3	61	19	71	<5	8
0068	<100	280	7	3.2	2.5	48	10	30	<5	16
0069	<100	230	15	7.2	4.6	150	20	69	10	10
0070	<100	290	21	9.5	6.0	76	29	88	6	6
0071	<100	210	5	2.5	1.6	26	7	20	<5	8
0072	<100	840	30	14.2	6.0	132	30	54	20	10
0073	<100	170	8	3.9	2.8	65	12	55	<5	3
0074	<100	330	4	1.8	1.4	15	6	17	<5	22
0075	<100	180	4	2.0	1.2	23	6	16	<5	8
0076	<100	250	18	7.9	5.3	29	27	103	<5	13
0077	<100	290	19	8.9	5.2	94	25	78	5	4
0078	<100	540	16	6.9	5.3	36	24	84	<5	8
0079	<100	690	13	6.6	3.5	39	17	37	8	33
0080	<100	1310	28	14.9	6.7	62	35	70	<5	32
0081	<100	3390	6	3.0	1.8	24	9	16	8	32
0082	<100	600	15	8.6	3.3	90	18	32	6	49
0083	<100	150	9	3.9	2.2	56	12	34	6	45
0090	<100	850	7	3.2	2.1	17	11	17	<5	5
0091	<100	320	5	2.4	1.7	21	8	24	<5	25
0092	<100	430	58	30.1	13.0	21	82	205	13	35
0093	<100	610	19	9.1	4.1	58	25	68	<5	43
0094	<100	540	7	3.0	1.8	27	10	29	<5	18
0095	<100	600	17	7.3	4.5	22	26	89	<5	33
0096	<100	430	12	6.0	3.2	19	19	51	<5	60
0097	<100	430	13	6.1	3.9	26	19	60	<5	46
0098	<100	290	3	1.4	0.9	20	4	8	<5	35
0099	<100	280	1	0.7	0.6	15	2	5	<5	60
0100	<100	350	9	4.3	2.1	28	10	23	<5	28
0101	<100	5660	11	6.1	3.5	11	15	22	<5	52
0102	<100	990	<1	0.5	<0.5	15	<1	2	19	68
0103	<100	4640	4	2.5	1.1	23	5	7	<5	53
0104	<100	680	16	6.9	5.2	19	26	63	<5	44
0105	<100	1000	8	3.3	2.4	11	12	18	13	27
0106	<100	1360	5	2.8	1.4	22	7	13	<5	45
0107	<100	1070	11	5.3	3.6	27	19	52	<5	36
0108	<100	430	4	1.7	1.2	13	7	23	<5	53
0109	<100	2690	3	2.0	1.0	25	4	10	44	154
0110	<100	280	17	8.1	4.5	29	25	77	<5	7
0111	<100	1280	8	4.4	2.0	33	9	15	<5	2
0112	<100	3250	2	1.2	0.7	10	3	4	<5	58
0113	<100	3210	8	5.1	1.8	44	10	15	6	59
0114	<100	650	43	22.5	11.1	91	57	143	8	15

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
0115	<100	390	7	3.3	2.1	25	11	23	<5	14
0116	<100	400	8	4.1	2.7	10	12	25	<5	14
0117	<100	350	3	1.5	0.9	19	4	7	8	29
0118	<100	500	5	2.0	1.2	27	7	19	<5	24
0119	<100	330	6	2.6	1.2	35	7	15	<5	46
0120	<100	420	14	6.5	3.6	17	21	71	<5	23
0121	<100	1050	28	13.2	8.2	19	42	60	<5	52
0122	<100	270	5	2.4	1.5	28	8	19	<5	11
0123	<100	490	11	4.7	3.0	18	18	63	<5	26
0124	<100	430	2	1.1	0.6	23	3	8	<5	40
0125	<100	280	9	3.9	2.6	19	13	50	<5	13
0126	<100	280	6	2.9	1.9	27	9	25	<5	37
0127	<100	450	9	4.1	2.4	32	13	42	<5	33
0128	<100	520	9	4.2	2.6	17	15	52	<5	16
0129	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
0130	<100	190	10	4.8	2.6	48	13	28	<5	26
0131	<100	410	14	6.6	4.3	19	22	75	<5	53
0132	<100	430	11	5.2	2.5	38	16	33	<5	51
0133	<100	530	18	8.5	4.9	48	27	76	<5	26
0134	<100	610	14	6.7	3.7	25	21	73	<5	22
0135	<100	360	22	9.6	6.4	16	34	89	<5	11
0136	<100	590	52	24.5	12.0	31	76	218	<5	38
0137	<100	380	15	7.3	3.8	28	21	62	<5	20
0138	<100	190	13	6.5	4.2	74	17	63	<5	27
0139	<100	620	2	1.2	0.7	28	3	6	<5	54
0140	<100	670	5	2.5	1.8	11	7	14	18	24
0141	<100	360	14	6.4	4.1	105	19	88	5	12
*Dup 0061	<100	760	31	16.9	7.4	27	40	65	<5	19
*Dup 0073	<100	150	9	3.9	3.0	53	13	56	<5	2
*Dup 0091	<100	330	5	2.5	1.6	20	8	25	<5	22
*Dup 0103	<100	3600	3	1.6	0.7	22	4	5	<5	47
*Dup 0115	<100	320	6	2.9	1.8	19	9	19	<5	10
*Dup 0127	<100	500	9	4.3	2.3	35	13	41	<5	32
*Dup 0139	<100	490	3	1.5	0.8	25	4	6	<5	54
*Std MMISRM14	<100	750	2	0.9	1.1	3	4	6	<5	41
*Std MMISRM14	<100	630	2	0.7	0.9	3	4	5	<5	34
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Pt MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB
0061	<5	1.0	129	140	60	<1	26	<1	48	<1
0062	<5	3.4	81	81	120	<1	18	<1	143	<1
0063	15	0.6	30	71	50	<1	6	<1	161	<1
0064	8	0.7	63	103	30	<1	13	<1	65	<1
0065	<5	1.4	91	48	50	<1	20	<1	83	<1
0066	6	3.8	118	85	160	<1	27	<1	137	<1
0067	<5	2.8	81	34	70	<1	20	<1	126	<1
0068	<5	1.9	38	55	50	<1	9	<1	196	<1
0069	12	7.6	83	70	150	<1	20	<1	234	1
0070	8	3.9	118	47	240	<1	27	<1	136	<1
0071	6	1.0	26	49	120	<1	6	<1	111	<1
0072	<5	6.2	94	90	270	<1	19	<1	246	<1
0073	8	3.7	61	34	140	<1	15	<1	114	<1
0074	<5	<0.5	25	31	50	<1	5	<1	90	<1
0075	<5	1.1	22	25	50	<1	5	<1	117	<1
0076	<5	1.7	116	29	100	<1	28	<1	93	<1
0077	16	4.8	97	56	210	<1	22	<1	169	<1
0078	<5	1.3	102	40	110	<1	23	<1	136	<1
0079	<5	1.2	57	79	80	<1	12	<1	122	<1
0080	<5	0.9	115	286	130	<1	25	<1	155	<1
0081	6	<0.5	29	288	30	<1	6	<1	24	<1
0082	<5	0.9	55	251	50	<1	12	<1	35	<1
0083	<5	1.6	46	65	120	<1	11	<1	17	<1
0090	<5	<0.5	33	63	20	<1	6	<1	64	<1
0091	<5	<0.5	28	32	90	<1	6	<1	117	<1
0092	<5	2.2	303	92	50	<1	66	<1	46	<1
0093	<5	0.6	77	41	180	<1	17	<1	80	<1
0094	<5	<0.5	39	26	80	<1	9	<1	110	<1
0095	<5	<0.5	109	28	50	<1	25	<1	100	<1
0096	<5	<0.5	66	57	130	<1	14	<1	63	<1
0097	<5	1.0	74	30	230	<1	17	<1	136	<1
0098	12	<0.5	12	72	40	<1	3	<1	105	<1
0099	6	<0.5	7	49	20	<1	1	<1	34	<1
0100	<5	<0.5	28	55	150	<1	6	<1	90	<1
0101	13	<0.5	42	96	40	<1	8	<1	89	<1
0102	55	<0.5	3	274	<10	<1	<1	<1	13	1
0103	13	<0.5	14	188	<10	<1	3	<1	39	<1
0104	<5	<0.5	90	74	20	<1	18	<1	20	<1
0105	<5	<0.5	38	204	10	<1	7	<1	35	<1
0106	18	<0.5	23	210	10	<1	5	<1	28	<1
0107	13	1.0	74	96	20	<1	16	<1	27	1
0108	<5	<0.5	25	99	60	<1	5	<1	42	<1
0109	16	1.6	16	561	80	<1	3	<1	11	1
0110	5	1.1	106	28	160	<1	24	<1	108	<1
0111	35	1.0	28	76	330	<1	6	<1	117	<1
0112	562	<0.5	9	203	10	1	2	<1	39	<1
0113	32	0.8	27	463	10	<1	5	<1	14	2
0114	<5	4.4	211	142	70	1	48	<1	127	1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Sc MMI-M5	Sm MMI-M5	Sn MMI-M5	Sr MMI-M5	Ta MMI-M5	Tb MMI-M5	Te MMI-M5	Th MMI-M5	Ti MMI-M5	Tl MMI-M5
0061	22	36	<1	1140	<1	7	<10	19.6	158	<0.5
0062	32	19	<1	750	<1	3	<10	22.1	1640	<0.5
0063	8	7	<1	1640	<1	1	<10	9.9	145	<0.5
0064	8	16	<1	1350	<1	2	<10	16.9	84	<0.5
0065	24	21	<1	720	<1	3	<10	40.9	233	<0.5
0066	45	27	<1	140	<1	4	<10	39.6	1270	<0.5
0067	33	18	<1	420	<1	3	<10	40.8	1070	<0.5
0068	15	9	<1	870	<1	2	<10	14.8	925	<0.5
0069	59	19	1	310	<1	3	<10	36.2	3630	0.6
0070	43	27	<1	380	<1	4	<10	37.1	1710	<0.5
0071	14	6	<1	1170	<1	1	<10	9.4	413	<0.5
0072	70	24	<1	540	<1	5	<10	66.9	2270	0.8
0073	28	12	<1	350	<1	2	<10	22.3	1710	<0.5
0074	8	6	<1	1760	<1	<1	<10	4.4	41	<0.5
0075	13	5	<1	920	<1	<1	<10	10.4	178	<0.5
0076	31	25	<1	530	<1	4	<10	33.9	506	<0.5
0077	49	23	<1	150	<1	4	<10	41.5	2560	<0.5
0078	25	23	<1	780	<1	3	<10	37.8	468	0.5
0079	12	14	<1	1430	<1	2	<10	23.5	213	0.6
0080	23	30	<1	1240	<1	5	<10	14.1	115	<0.5
0081	5	7	<1	1430	<1	1	<10	5.2	37	<0.5
0082	17	14	<1	1510	<1	3	<10	6.5	63	<0.5
0083	29	10	<1	1370	<1	2	<10	17.0	451	<0.5
0090	7	9	<1	1010	<1	1	<10	9.1	39	<0.5
0091	6	6	<1	3320	<1	1	<10	4.7	18	<0.5
0092	16	73	<1	1100	<1	11	<10	105	177	<0.5
0093	22	19	<1	2260	<1	4	<10	8.6	60	<0.5
0094	9	9	<1	2510	<1	1	<10	9.8	44	<0.5
0095	20	24	<1	3350	<1	4	<10	35.6	29	<0.5
0096	7	16	<1	3450	<1	2	<10	6.0	24	<0.5
0097	12	17	<1	3280	<1	3	<10	17.9	289	<0.5
0098	6	4	<1	2280	<1	<1	<10	2.6	54	<0.5
0099	<5	2	<1	3520	<1	<1	<10	4.1	12	<0.5
0100	20	8	<1	2850	<1	2	<10	8.5	40	<0.5
0101	10	12	<1	3990	<1	2	<10	8.4	14	<0.5
0102	<5	<1	<1	7950	<1	<1	<10	1.2	5	<0.5
0103	7	4	<1	2100	<1	<1	<10	7.0	33	<0.5
0104	6	22	<1	2130	<1	3	<10	11.7	30	<0.5
0105	7	10	<1	1510	<1	2	<10	7.8	25	<0.5
0106	6	6	<1	1640	<1	<1	<10	5.9	60	<0.5
0107	11	17	<1	1440	<1	2	<10	23.9	145	<0.5
0108	5	6	<1	3180	<1	<1	<10	7.1	11	<0.5
0109	6	4	<1	3410	<1	<1	<10	22.5	48	<0.5
0110	22	23	<1	1130	<1	4	<10	30.8	231	<0.5
0111	33	8	<1	260	<1	1	<10	22.6	352	<0.5
0112	6	3	<1	3070	<1	<1	<10	6.5	34	<0.5
0113	10	7	<1	2260	<1	1	<10	8.7	53	<0.5
0114	49	49	<1	520	<1	8	<10	53.8	865	0.8

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	Sc MMI-M5 5 PPB	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB
0115	9	9	<1	870	<1	1	<10	12.5	236	<0.5
0116	6	10	<1	650	<1	2	<10	11.5	125	<0.5
0117	<5	4	<1	1780	<1	<1	<10	11.4	21	<0.5
0118	<5	6	<1	2370	<1	<1	<10	7.7	40	<0.5
0119	6	5	<1	2300	<1	<1	<10	5.0	38	<0.5
0120	13	18	<1	2710	<1	3	<10	32.1	16	<0.5
0121	<5	34	<1	2030	<1	6	<10	6.2	<3	<0.5
0122	16	6	<1	1190	<1	1	<10	12.1	68	<0.5
0123	10	16	<1	2410	<1	2	<10	24.8	41	<0.5
0124	<5	3	<1	1950	<1	<1	<10	5.6	40	<0.5
0125	12	12	<1	810	<1	2	<10	18.6	330	<0.5
0126	9	8	<1	1740	<1	1	<10	8.3	26	<0.5
0127	9	11	<1	2470	<1	2	<10	10.7	24	<0.5
0128	8	12	<1	3440	<1	2	<10	25.0	10	<0.5
0129	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
0130	24	10	<1	1410	<1	2	<10	10.4	194	<0.5
0131	14	19	<1	2730	<1	3	<10	30.8	126	<0.5
0132	10	13	<1	1550	<1	2	<10	8.3	60	<0.5
0133	15	23	<1	2450	<1	4	<10	11.9	41	<0.5
0134	12	18	<1	3330	<1	3	<10	28.4	110	<0.5
0135	18	30	<1	1250	<1	5	<10	15.1	32	<0.5
0136	23	65	<1	1830	<1	11	<10	35.9	77	<0.5
0137	21	17	<1	1530	<1	3	<10	11.6	54	<0.5
0138	27	16	<1	900	<1	3	<10	18.8	2080	<0.5
0139	<5	3	<1	1970	<1	<1	<10	3.6	19	<0.5
0140	5	6	<1	1630	<1	<1	<10	9.5	100	<0.5
0141	36	18	<1	470	<1	3	<10	53.4	3290	<0.5
*Dup 0061	13	31	<1	1140	<1	6	<10	18.1	130	<0.5
*Dup 0073	23	13	<1	300	<1	2	<10	22.9	1340	<0.5
*Dup 0091	<5	6	<1	3010	<1	1	<10	4.8	19	<0.5
*Dup 0103	<5	3	<1	1730	<1	<1	<10	4.2	4	<0.5
*Dup 0115	<5	8	<1	760	<1	1	<10	14.5	120	<0.5
*Dup 0127	10	11	<1	2370	<1	2	<10	10.9	22	<0.5
*Dup 0139	<5	3	<1	1920	<1	<1	<10	3.4	4	<0.5
*Std MMISRM14	11	5	<1	690	<1	<1	<10	18.2	6	<0.5
*Std MMISRM14	7	4	<1	510	<1	<1	<10	16.8	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5
*BIK BLANK	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.



Element Method Det.Lim. Units	U MMI-M5 1 PPB	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
0061	32	<1	316	20	160	16
0062	10	<1	81	5	70	37
0063	11	<1	33	2	80	5
0064	36	<1	78	5	40	6
0065	20	<1	90	7	50	22
0066	14	<1	111	8	230	58
0067	8	<1	62	5	50	49
0068	7	<1	35	2	40	20
0069	9	2	77	6	110	84
0070	10	<1	109	7	70	86
0071	5	<1	27	2	50	21
0072	33	<1	157	11	320	76
0073	5	<1	43	3	70	47
0074	4	<1	23	1	50	6
0075	5	<1	24	2	80	19
0076	10	<1	97	6	60	38
0077	14	2	101	7	70	77
0078	25	<1	81	5	60	34
0079	19	<1	89	6	80	19
0080	82	<1	199	11	40	14
0081	69	<1	47	3	50	<5
0082	57	<1	115	7	90	10
0083	9	<1	47	3	90	27
0090	11	<1	43	3	30	<5
0091	4	<1	33	2	40	<5
0092	14	<1	396	25	60	34
0093	9	<1	119	7	130	9
0094	5	<1	36	2	30	6
0095	9	<1	92	5	60	13
0096	6	<1	76	4	100	<5
0097	5	<1	77	4	50	16
0098	5	<1	18	1	300	<5
0099	14	<1	10	<1	40	<5
0100	9	<1	47	3	60	10
0101	53	<1	87	5	100	6
0102	67	<1	7	<1	30	<5
0103	9	<1	35	2	30	<5
0104	21	<1	93	5	30	7
0105	32	<1	49	3	30	<5
0106	46	<1	37	2	30	6
0107	9	<1	72	4	90	13
0108	4	<1	26	1	40	<5
0109	61	<1	26	2	30	5
0110	8	<1	93	6	80	35
0111	11	<1	40	4	60	38
0112	6	<1	17	1	20	<5
0113	18	2	66	5	30	5
0114	32	2	267	19	110	50

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

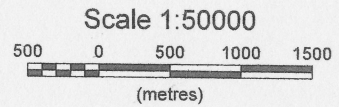
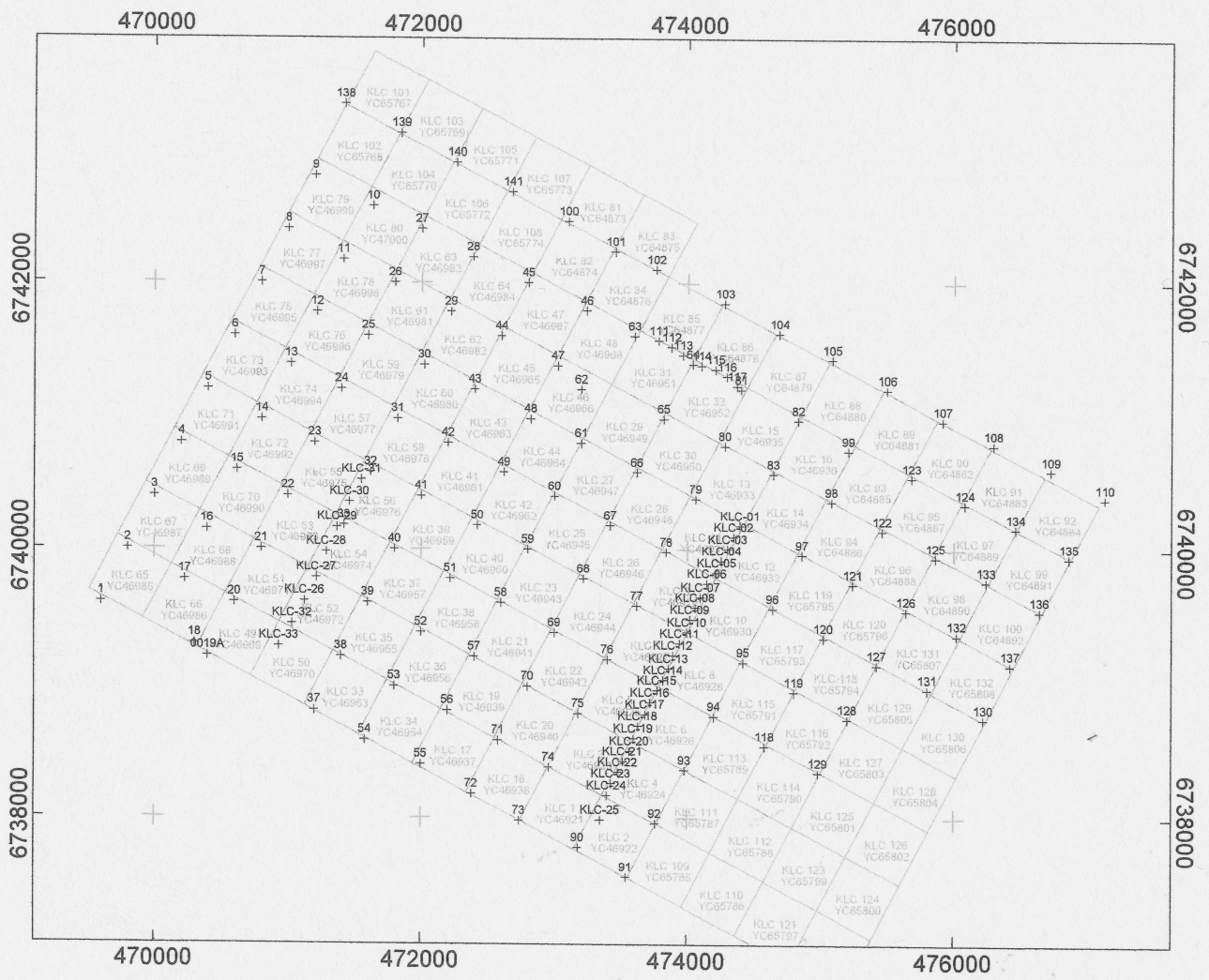


Element Method Det.Lim. Units	U MMI-M5 1 PPB	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
0115	15	1	44	3	70	11
0116	5	<1	53	3	210	6
0117	11	<1	16	1	30	<5
0118	4	<1	26	2	40	<5
0119	5	<1	30	2	90	<5
0120	8	<1	75	5	30	12
0121	19	<1	164	10	20	<5
0122	10	<1	28	2	30	15
0123	8	<1	60	3	50	11
0124	4	<1	13	<1	320	<5
0125	6	<1	45	3	70	26
0126	8	<1	33	2	40	8
0127	7	<1	50	3	40	5
0128	6	<1	49	3	20	5
0129	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
0130	8	<1	54	3	80	12
0131	10	<1	75	5	30	15
0132	6	<1	65	4	130	5
0133	14	<1	93	6	110	7
0134	6	<1	73	5	50	16
0135	17	<1	114	7	40	10
0136	20	<1	283	18	30	19
0137	8	<1	86	5	40	11
0138	4	1	70	5	80	32
0139	22	<1	16	1	40	<5
0140	2	<1	34	2	50	5
0141	10	2	65	5	90	68
*Dup 0061	24	<1	223	14	180	18
*Dup 0073	6	1	44	3	70	40
*Dup 0091	4	<1	32	2	40	<5
*Dup 0103	10	<1	23	2	30	<5
*Dup 0115	13	<1	36	2	60	11
*Dup 0127	7	<1	52	3	60	5
*Dup 0139	23	<1	19	1	30	<5
*Std MMISRM14	33	<1	12	<1	350	14
*Std MMISRM14	31	<1	9	<1	280	11
*Blk BLANK	<1	<1	<5	<1	<20	<5
*Blk BLANK	<1	<1	<5	<1	<20	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

ATTACHMENT D

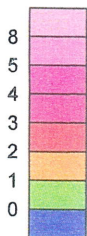
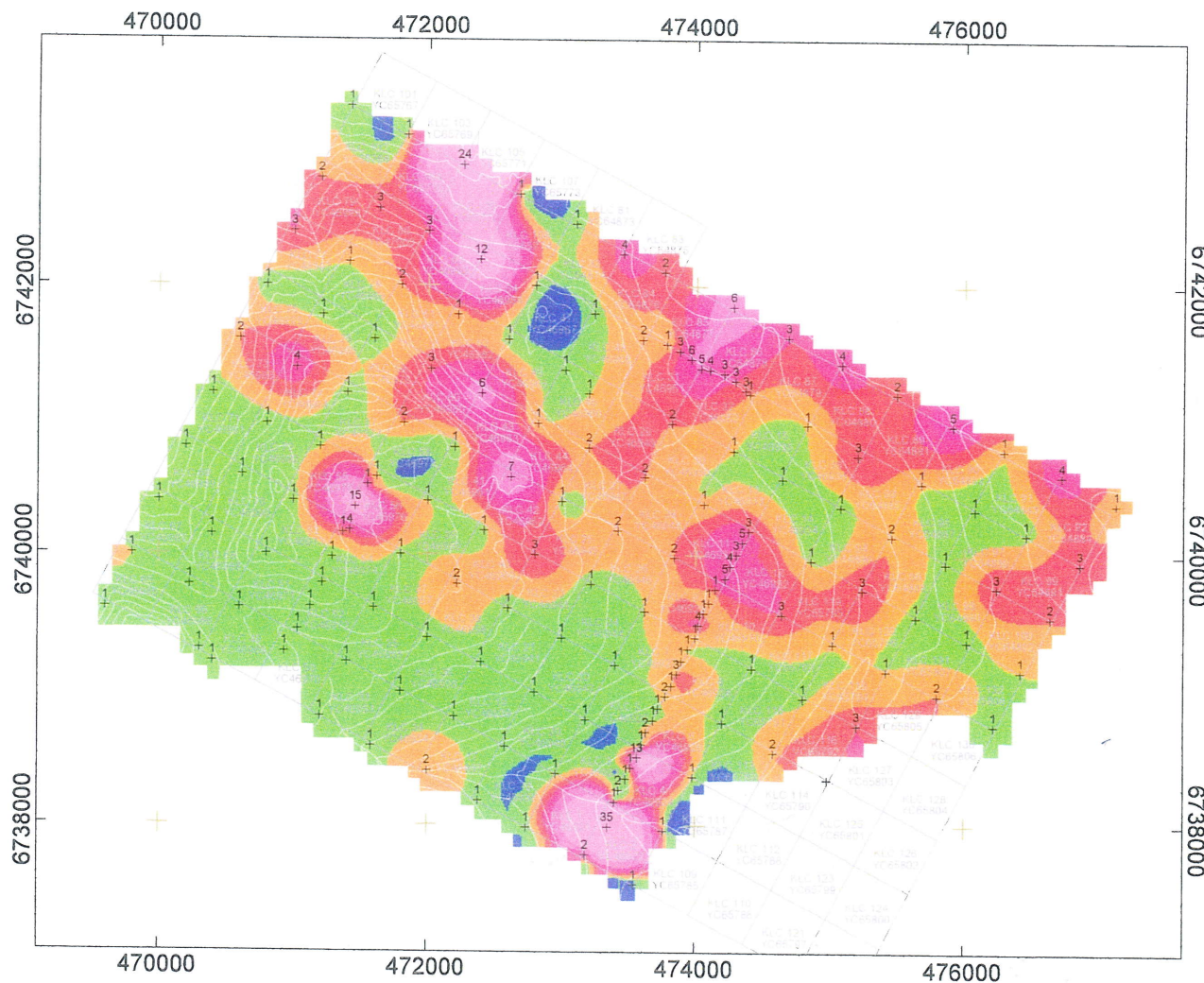
**SAMPLE LOCATION MAPS
COLOR COMPILATION MAPS**



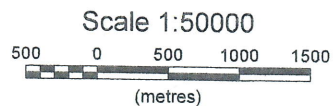
Tanana Exploration Inc.

King Lake Project
Sample Locations for 2006 and 2007 MMI Soil Surveys

NAD 83 / UTM Zone 8N
 December 27, 2007



Au Response Ratio

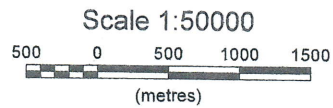
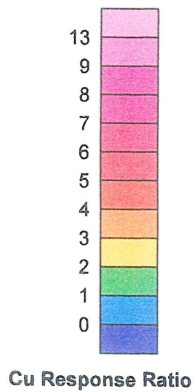
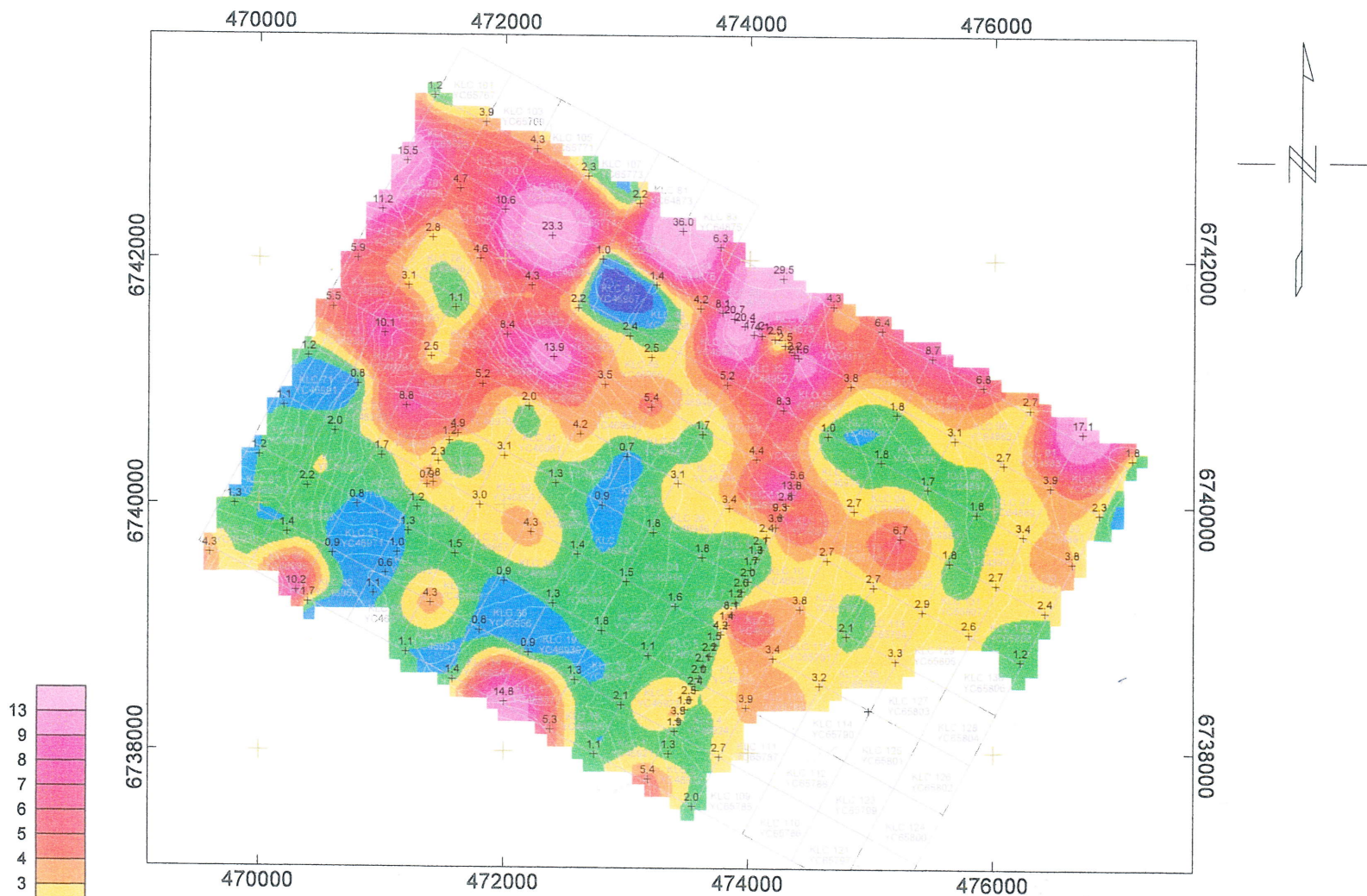


Background level is the average of the lowest 25% of samples.
Gridding method: minimum curvature

Tanana Exploration Inc.

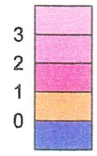
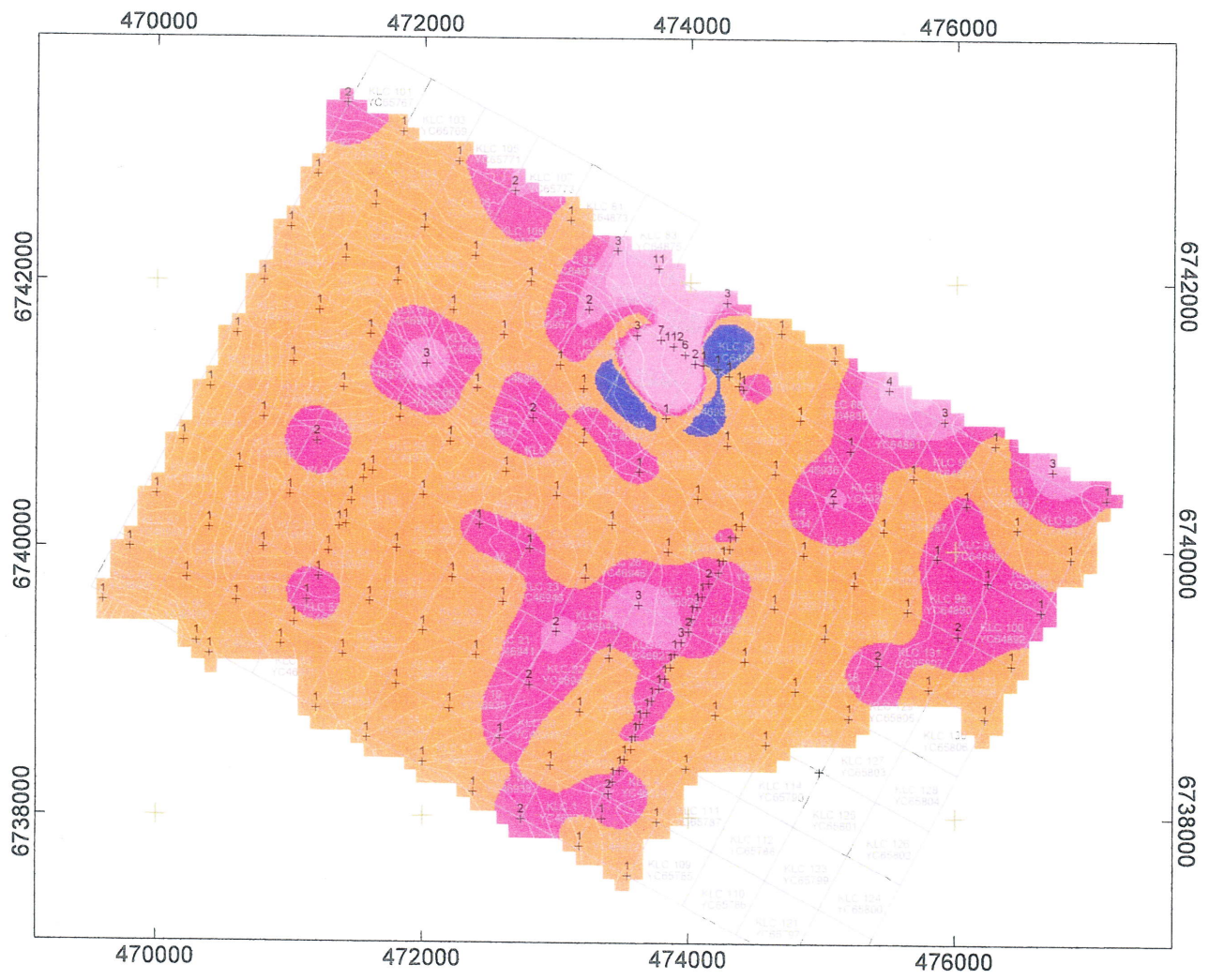
**King Lake Project
2006 and 2007 MMI Au Horizon 3
Au background 0.1 ppb**

NAD 83 / UTM Zone 8N
December 19, 2007

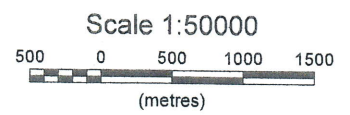


Background level is the average of the lowest 25% of samples.
 Gridding method: minimum curvature

Tanana Exploration Inc.
King Lake Project
2006 and 2007 MMI Cu Horizon 3
Cu background 157.2 ppb
 NAD83 / UTM Zone 8N
 December 27, 2007

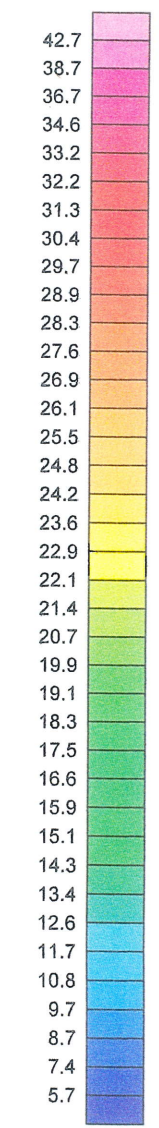


Mo Response Ratio

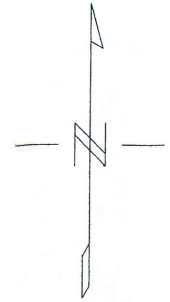
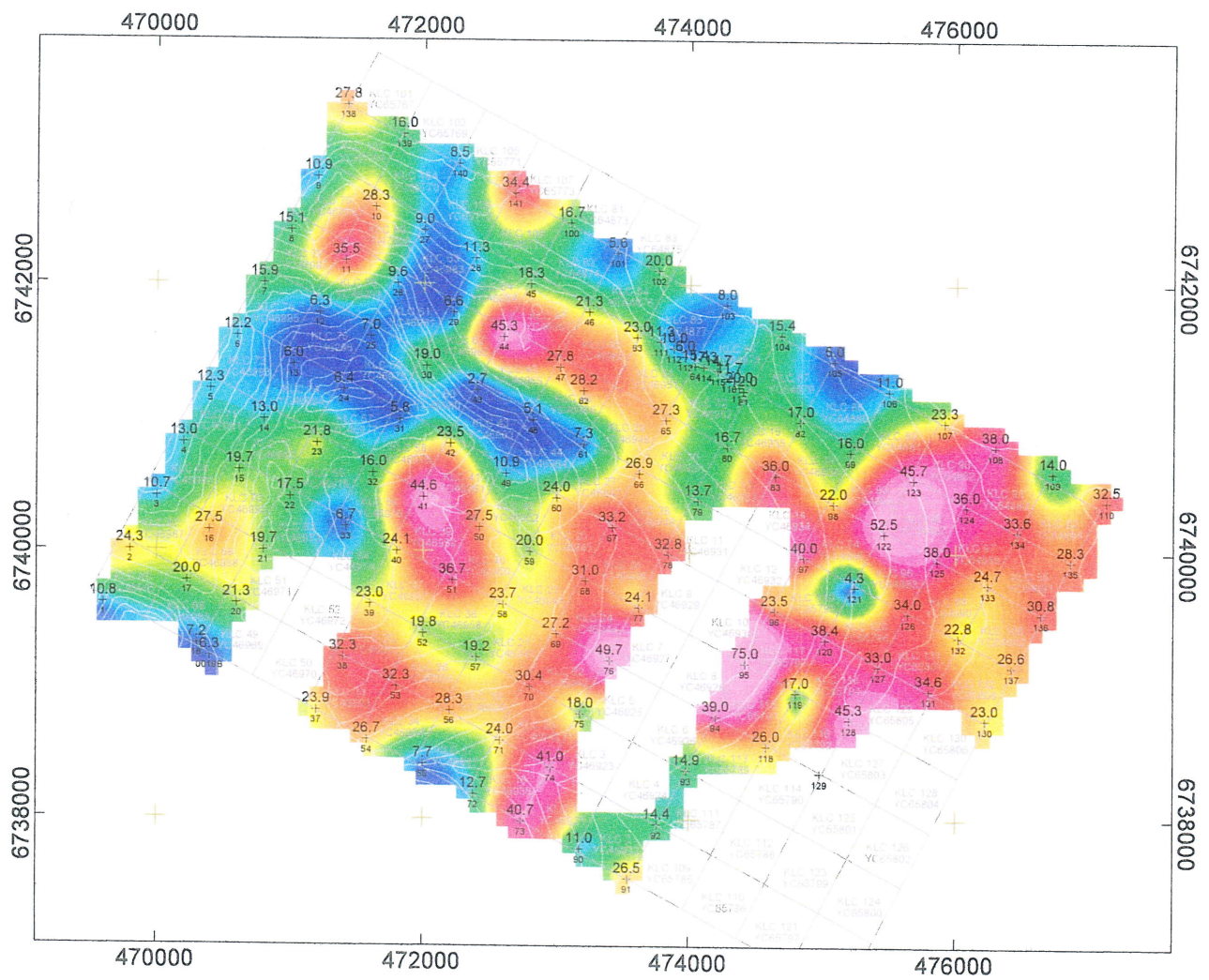


Background level is the average of the lowest 25% of samples.
Gridding method: minimum curvature

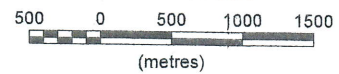
<p>Tanana Exploration Inc.</p>
<p>King Lake Project 2006 and 2007 MMI Mo Horizon 3 Mo background 5 ppb</p>
<p>NAD83 / UTM Zone 8N December 27, 2007</p>



MMI Ce/Yb



Scale 1:50000



Tanana Exploration Inc.

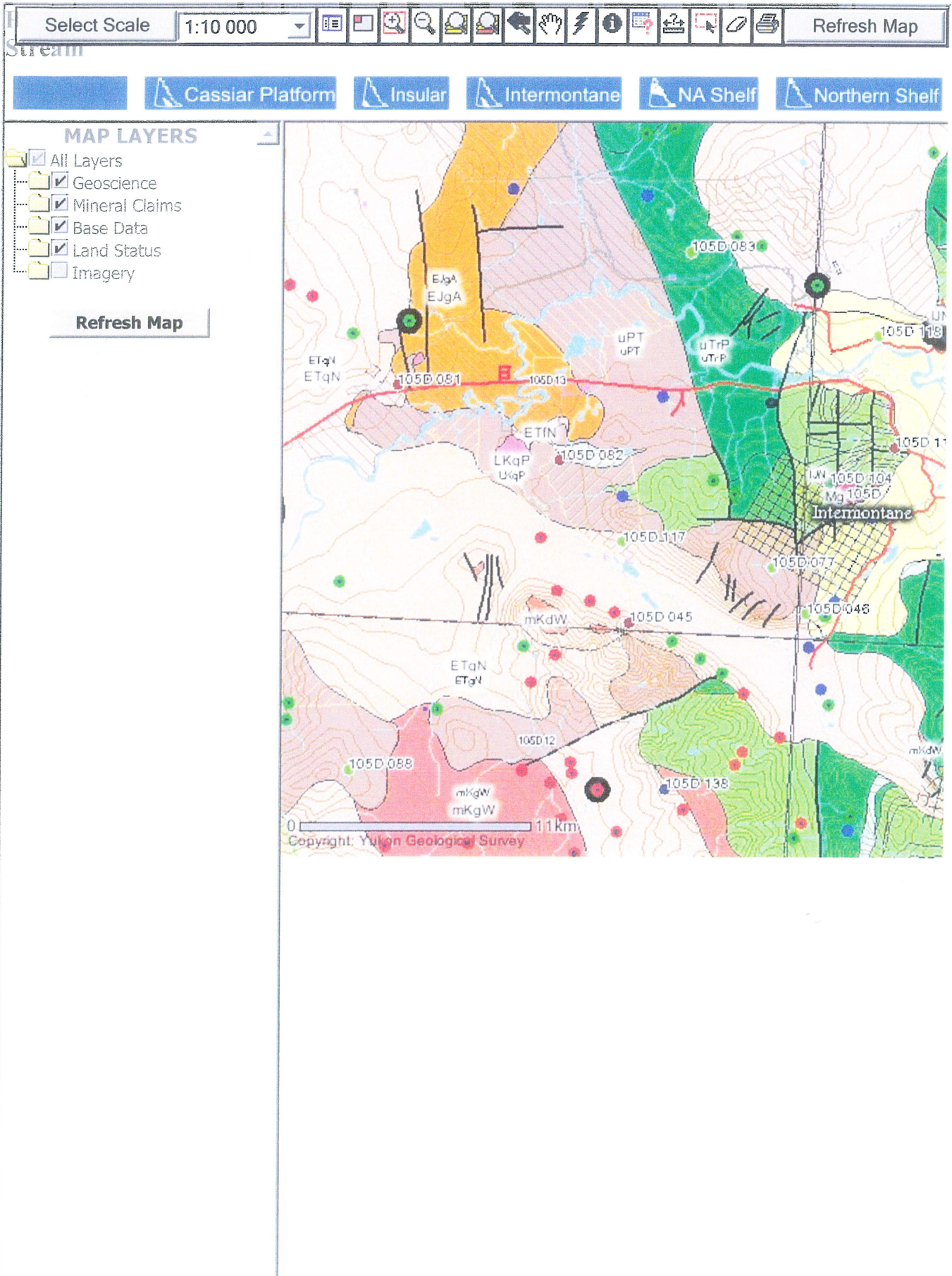
King Lake Project
MMI Horizon 3
Ce/Yb ratio

NAD83 / UTM Zone 8N
December 6, 2007

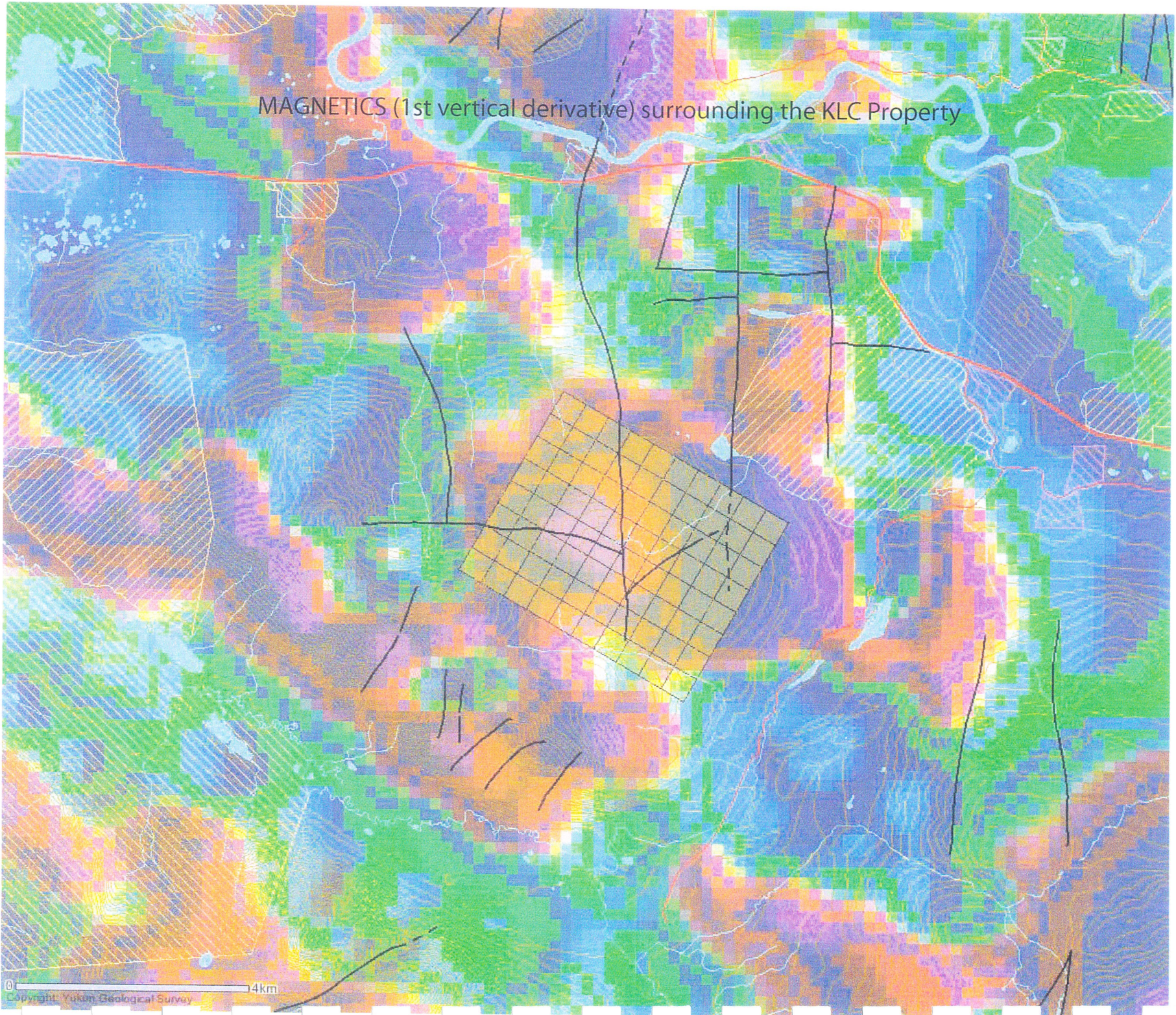
	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr									
Ag		-0.19															-0.18		-0.19																																-0.17				
Al	-0.19		0.20	-0.55	-0.35	0.20	-0.67	0.53	0.31			-0.45	0.47	0.47	0.42	0.95	0.41	0.44	-0.30	-0.15	-0.18	0.35	0.44	-0.23	0.97	0.47		0.17		0.75	0.43								-0.23	-0.18			0.18	0.36	0.45	0.18	0.75								
As		0.20				0.27	-0.40		0.31	0.37						0.44		0.29	0.28	-0.30	0.19	0.63	0.20	0.34	0.34	0.34	0.37	0.34	0.37				0.97	0.52	0.22				0.97	0.52	0.22		0.48			0.48									
Au		-0.55				0.36	-0.27	-0.36				0.63				-0.39			0.28	0.28	-0.31			0.23	-0.52				-0.46		-0.29										-0.44		0.36			-0.19	-0.28								
Ba		-0.35				0.23	-0.31					0.40																								0.53																			
Bi		0.20	0.27							0.20							0.29		0.29				0.33			0.66		0.21	0.44	0.21											0.23	0.25	0.41		0.58				0.23						
Ca		-0.67	-0.40	0.36	0.23			-0.58	-0.36			0.47	-0.42	-0.40	-0.38	-0.44	-0.38	-0.59		0.78		-0.69	-0.47	0.42			0.51		0.55		-0.72	-0.42											-0.42	-0.66	-0.73		0.22	-0.27	-0.31	-0.38	-0.17	-0.77			
Cd					-0.31				-0.22							0.19		-0.22						0.38											0.21												-0.24				0.34				
Ce		0.53	0.31	-0.27			-0.58	-0.22		0.25		-0.24	0.80	0.77	0.78	0.32	0.81	0.94			-0.42	-0.32	0.40	0.89	-0.39	0.67	0.32		0.45		0.75	0.84		-0.43	0.19	0.81		0.76	0.50	0.17		0.25	0.73	0.76			0.70								
Co		0.37	0.37	-0.36		0.20	-0.38		0.25			-0.27				0.56		0.19				0.48			0.50									0.42	0.28	0.31		0.19						0.19			0.31	0.30							
Cr											0.18	0.16	0.18			0.18	0.18						0.18			0.18									0.18		0.18		0.18					0.18			0.18	0.20		0.31	0.30				
Cu		-0.45		0.63		0.47		-0.24	-0.27							-0.34				0.36	0.30	-0.41		0.51	-0.52				-0.43	0.18	0.28		0.33												-0.20	-0.52		0.57		-0.28	-0.45				
Dy		0.47				-0.42		0.80		0.18			0.99	0.97			0.89	0.93			-0.38	-0.39	0.19	0.86	-0.22	0.30	0.93		0.21		0.71	0.97		-0.46	0.28	0.95		0.95	0.31		0.20	0.21	0.98	0.97			0.90								
Er		0.47				-0.40		0.77		0.19		0.99	0.96	0.17	0.87	0.88				-0.35	-0.34	0.19	0.82		0.37	0.91					0.71	0.96		-0.44	0.27	0.95		0.93	0.28		0.26	0.22	0.99	0.99			0.94								
Eu		0.42				-0.35		0.78		0.18		0.97	0.96			0.88	0.88			-0.36	-0.37		0.86	-0.23	0.23	0.94					0.68	0.98		-0.43	0.28	0.96		0.53	0.25		0.21	0.22	0.96	0.96			0.91								
Fe	-0.18	0.95	0.44	-0.36		0.29	-0.44	0.19	0.32	0.55		-0.34		0.17				0.20	0.17	-0.23		0.74		0.20	0.58	0.18		0.45	0.23	0.97		0.93		0.20	-0.35	-0.16		0.42	0.67	0.27		0.30	0.30	0.32	0.96										
Gd		0.41				-0.36		0.61		0.18		0.98	0.97	0.98			0.99	-0.18	-0.35	-0.41		0.98	-0.25	0.27	0.55		0.16			0.98	0.99		-0.42	0.27	0.95		0.98	0.26		0.18	0.21	0.97	0.95			0.91									
La		0.44	0.25			0.53	-0.22	0.94		0.18		0.98	0.88	0.89	0.20	0.90				-0.36	-0.35	0.35	0.97	-0.39	0.46	0.98		0.40		0.71	0.93		-0.40	0.28	0.87		0.75	0.43			0.28	0.83	0.83			0.83									
Li	-0.19	-0.20	0.28		0.26				0.19							0.17	-0.18			0.20	0.24	0.29		0.40										0.20										0.29	0.30	0.28									
Mg		-0.42	-0.20	0.28	0.40		-0.78		-0.42			0.36	-0.38	0.35	-0.36	0.23	-0.35	-0.39	0.20		0.21	-0.37	-0.39	0.41	-0.34	-0.40		-0.45		-0.60	-0.38		0.85		-0.37		-0.41	-0.68		0.21		-0.28	-0.35			0.85									
Mo		-0.18	0.19	0.26				-0.37				-0.30	-0.39	-0.34	-0.37		-0.41	-0.35	0.20	0.21			-0.38	0.39		-0.35	-0.35				0.39		-0.38		0.18		-0.35				0.18	-0.33	-0.30												
Nb		0.93	0.85	-0.31		-0.33	-0.60		0.40	0.40		-0.41	0.19	0.19		0.74		0.35	0.29	-0.37			0.26	0.33	-0.31		0.51	0.27	0.68	0.21	0.26	-0.56		0.19		0.66	0.86	0.31			-0.46		0.23	0.40	0.75										
Nd		0.44	0.20			-0.47		0.59		0.18		0.95	0.93	0.99		0.98	0.97			-0.35	-0.38	0.26		-0.33	0.35	0.99		0.20		0.70	0.98		-0.44	0.28	0.94		0.67	0.35			0.26	0.92	0.92			0.90									
Ni		-0.23		0.23		0.43	0.38	-0.36				0.51	-0.22		-0.23	0.20	-0.26	-0.38	0.40	0.41	0.39		-0.33	-0.32	-0.34		-0.38	0.38	-0.29	-0.28		0.27	0.19	-0.22		-0.26	-0.22		0.93								-0.35								
Pb		0.59	0.34	-0.52			-0.87		0.5	0.50		0.52	0.30	0.27	0.23	0.95	0.27	0.46		-0.34		0.53	0.35	-0.32		0.41		0.60		0.65	0.30		-0.25	0.28		0.95	0.80	0.27	-0.19		0.20	0.27	0.27	0.88											
Pr						0.66											0.35						0.35											0.28										0.22		0.37									
Pd		0.47	0.28			0.55	-0.13	0.92		0.16		0.93	0.91	0.94	0.18	0.95	0.98			-0.40	-0.35	0.31	0.99	-0.34	0.41			0.34		0.72	0.97		-0.44	0.27	0.81		0.71	0.40					0.27	0.93	0.89			0.83							
Pt																																																							
Rb		0.54	0.37	-0.48		0.21	-0.68		0.45	0.42		-0.43	0.21		0.45	0.19	0.40	0.19	-0.45		0.51	0.25	-0.38	0.66		0.34		0.47	0.24		-0.36		0.20		0.53	0.59	0.24	-0.20	0.19					0.34	0.64										
Sb	-0.22		0.34		0.44		0.21	0.26	0.19						0.23			0.41		0.39	0.27		0.38	0.28																															
Sc		0.75	0.37	-0.28		0.21	-0.72		0.75	0.31		-0.28	0.71	0.71	0.86	0.55	0.86	0.71		-0.60		0.58	0.70	-0.29	0.97		0.72	0.47				0.68		0.68	0.28	0.70		0.68	0.74	0.25		0.37	0.64	0.71	0.20	0.87									
Sm		0.43				-0.42		0.84		0.18		0.97	0.99	0.98		0.98	0.93			-0.38	-0.36	0.21	0.99	-0.29	0.30	0.97		0.26		0.85		-0.44	0.28	0.95		0.81	0.30				0.23	0.95	0.94			0.95									
Sn		-0.21							0.18							0.20			0.20																		0.25							0.17	0.31			0.32							
Sr		-0.73	-0.27	0.30	0.53		0.80		-0.43			0.33	-0.46	-0.44	-0.43	-0.35	-0.42	-0.40		0.85	0.18	-0.60	-0.44	0.22	-0.29	-0.44		-0.36		-0.69	-0.44					-0.43	-0.43	-0.69		0.18	-0.22	-0.37	-0.43					-0.70							
Ta				0.17				0.18				0.25	0.27	0.28	-0.18	0.27	0.28																																						
Tb		0.46				-0.42		0.81		0.18		0.96	0.95	0.96		0.95	0.87			-0.37	-0.35	0.19	0.94	-0.22	0.26		0.91		0.20		0.70	0.96		-0.43	0.26		0.54	0.28		0.24	0.21	0.94	0.94			0.89									
Te																																																							
Th		0.38	0.61		0.23	-0.65	-0.24	0.76	0.40	0.22	-0.20	0.88	0.93	0.93	0.42	0.96	0.75		-0.41		0.66	0.65	-0.28	0.98		0.71		0.53		0.68	0.61		-0.43	0.64		0.66	0.26		0.35	0.48	0.55	0.17	0.77												
Ti		0.23	0.72	0.52	-0.44	-0.20	0.25	-0.73		0.50	0.47		-0.52	0.31	0.39	0.25	0.67																																						

ATTACHMENT E

**REGIONAL GEOLOGY MAP
FIRST VERTICAL MAGNETIC MAP**



MAGNETICS (1st vertical derivative) surrounding the KLC Property



ATTACHMENT F

STATEMENT OF COST

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

December 10, 2007

PROJECT: King Lake Copper; Phase 2

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

TYPE OF REPORT: Property Examination; Phase - 2

- a) WAGES: two men @ \$300.0 / day
No of days: 33
Total: \$19,800.0
- b) FOOD: two men @ \$35.0 / man / day
No of days: 33
Total: \$2,310.0
- c) TRAVEL: Type of Equipment: 3/4 ton Truck ; ATV / Quad
Rate: Truck @ \$0.42 / km x 60km/day
Rate: Quad @ \$37.50 / day x 2
No of days: 31
Total: \$3,106.20
- d) RENTALS: Chainsaw
Rate: Chainsaw @ \$35.0 / day
No of days: 3
Total: \$105.0
- e) FIELD SUPPLIES: Flagging; Fuel; Picks & Shovels; Sample Bags @ Cost
Total: \$600.0
- f) ANALYSIS: 132 soil samples for MMI multi element leach plus shipping to Toronto
15 rock -grab samples for 32 -element ICP
6 rock -channel samples for 32 element ICP
Total: \$6,212.40
- 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: \$

COST: \$32,608.60

+ GST: \$1,956.51

TOTAL COST: \$34,565.11

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); Clark / Cameron - Silver / Zinc deposits (2001), under option to CMC Metals Ltd. (2006); Moosehorn - Gold prospect (2006); King Lake Copper - Copper / Gold / Molybdenum prospect (2006).

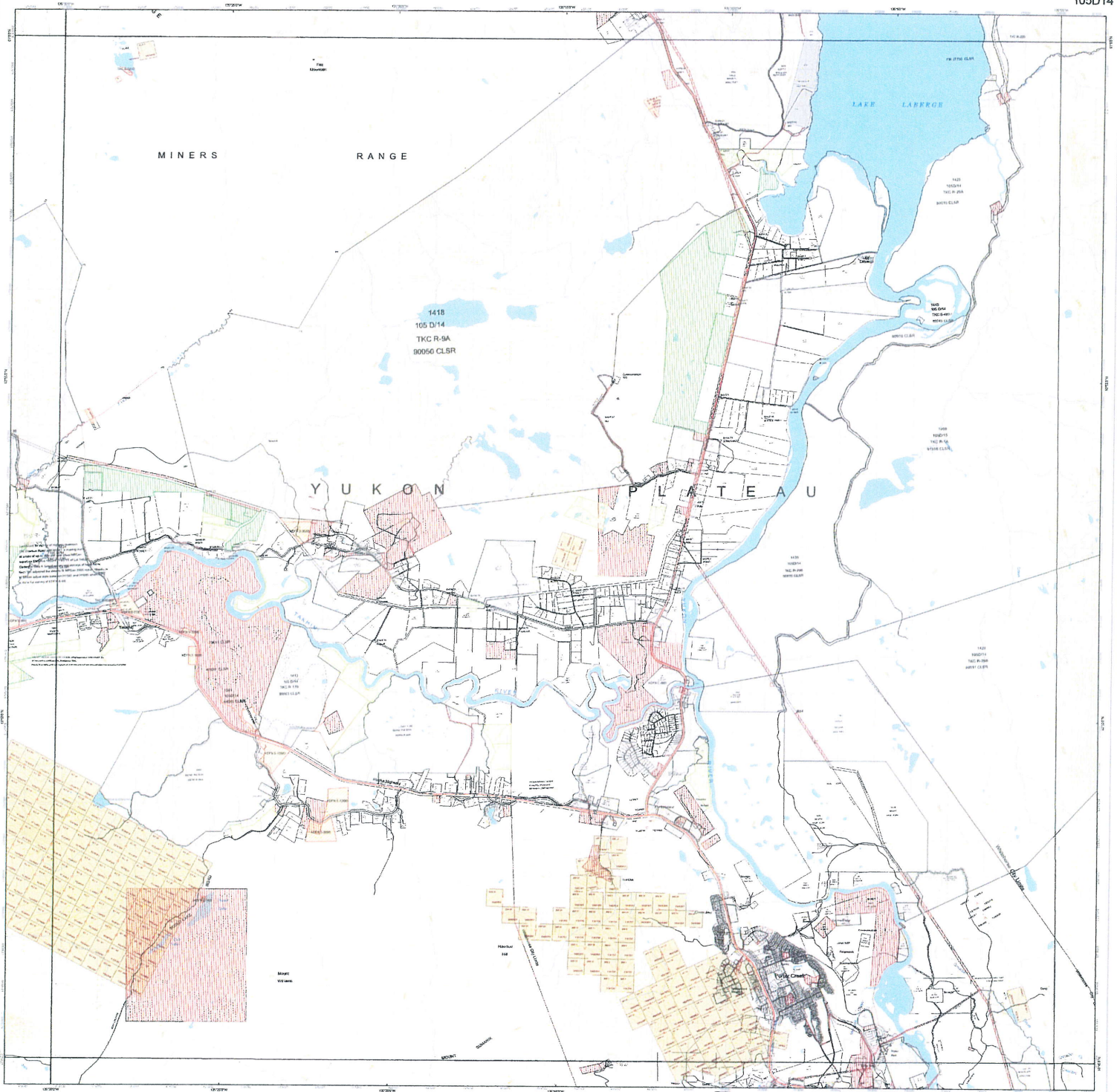
I reside at 27 Tutshi Road, Whitehorse, and have been a resident of the Yukon since 1981.

I supervised the work on the King Lake Copper property.

Signed in Whitehorse, Yukon this 31st day of December, 2007.



WADE S. CARRELL, PRESIDENT
TANANA EXPLORATION INC.



105D14 MINING CLAIMS

UTM Zone: 17TM Zone 8
Datum: NAD 83
Map Date: 2007
Map Creator Date: Oct 12, 2007

Disclaimer:
This map is a compilation of data obtained from various sources. The Yukon Government is not responsible for any errors or omissions in this map. Users should consult the original sources for the most current information.

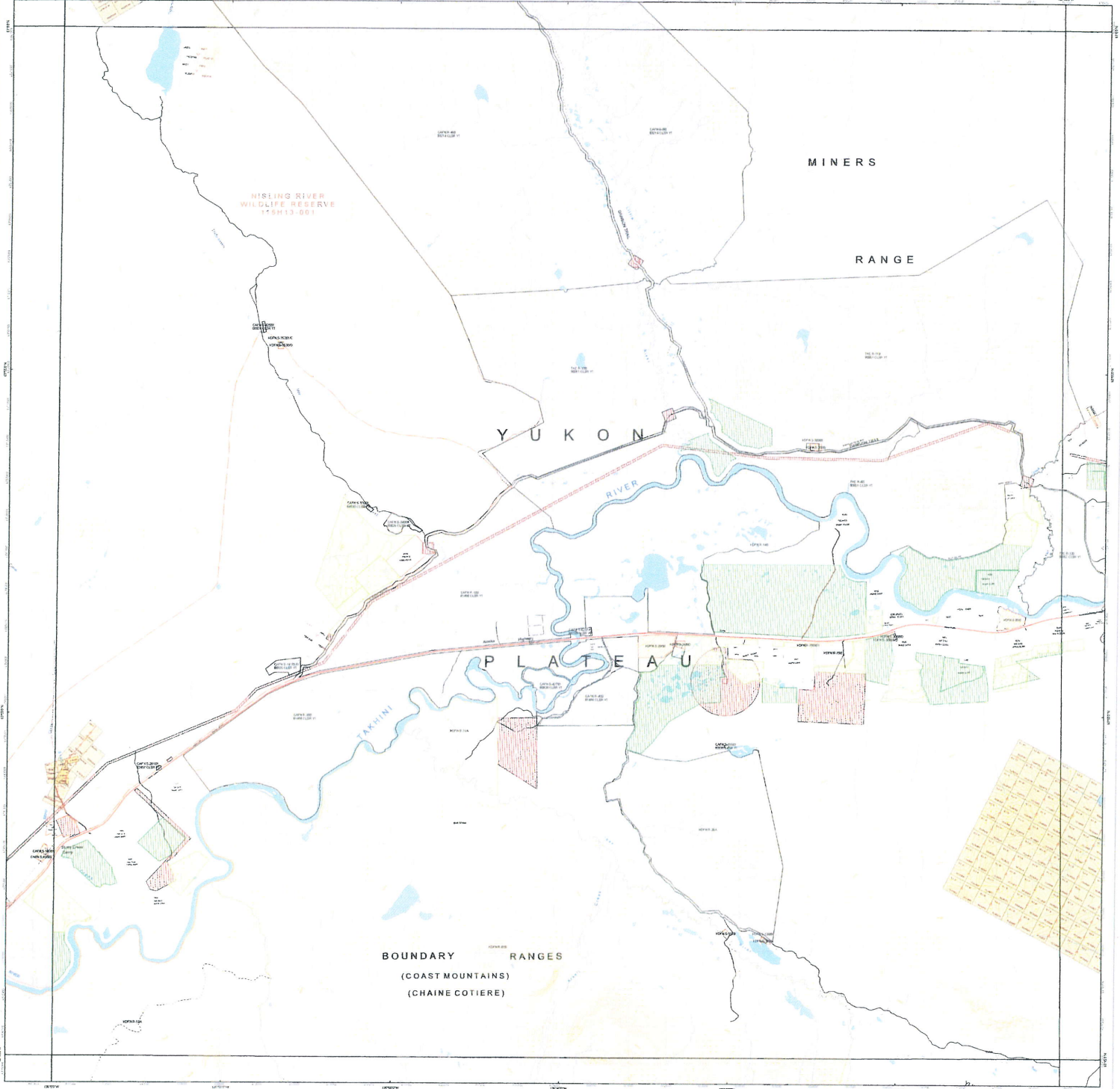
Scale:
1:50,000

Other Resources:
For more information, contact the Yukon Department of Energy, Mines and Petroleum Services.

Legend:

- Mining:**
 - Open Claim Areas
 - Active Claims
 - Abandoned Claims
 - Claim Status: Active Open Claim, Abandoned Claim
 - Coal: Coal Extension License, Coal Lease
 - Areas Withdrawn from Staking: First Nation Reserve Proclamation Lands, First Nation Settlement Lands
 - Areas Not Withdrawn from Staking: Parks and Special Management Areas
- First Nation Settlement Land Category:**
 - Settlement
 - First Nation Community Lands
 - Special Access Right through First Lands
 - Other Claims
 - Community Land Services (Extra & Council)
 - Land Disposition Lands
 - Settlements
- EMR Lands:**
 - Land Disposition
 - Agricultural Disposition
 - Industrial
 - Other
- Topography:**
 - Contours
 - Transportation Routes: Major, Minor, Railway, Street, Unimproved Road
 - Water Features: River, Stream, Lake, Pond
 - Vegetation: Independent vegetation, Underwater sand
 - City/Town Foot





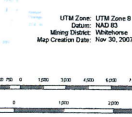
Disclaimer:
This map is a compilation of data obtained from a wide variety of sources. It is not intended to be used as a legal document. The Yukon Department of Energy, Mines and Petroleum is not responsible for any errors or omissions in this map. Users should consult the appropriate authorities for the most current and accurate information.

Legend:
This map is a compilation of data obtained from a wide variety of sources. It is not intended to be used as a legal document. The Yukon Department of Energy, Mines and Petroleum is not responsible for any errors or omissions in this map. Users should consult the appropriate authorities for the most current and accurate information.

Other Resources:
For more information, please contact the appropriate authorities. The Yukon Department of Energy, Mines and Petroleum provides a variety of services and information to the public. For more information, please contact the appropriate authorities.

Map Creation:
Map Creation Date: Nov 30, 2007

105D13 MINING CLAIMS



105D13	105D14	105D15
105D16	105D17	105D18
105D19	105D20	105D21

- Mining:**
 - Open Pit
 - Underground
 - Surface
 - Other
- Claim Status:**
 - Active
 - Expired
 - Other
- Area Withdrawn from Staking:**
 - Other
 - Other

- First Nation Settled Land Category:**
 - Other
 - Other
- First Nation Surveyed Lands Category:**
 - Other
 - Other
- Indian Legal Survey Cadastre:**
 - Other
 - Other

- ENR Lands:**
 - Other
 - Other
- Topography:**
 - Other
 - Other
- Transportation Routes:**
 - Other
 - Other



Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
KLC 1 - 48	YC46921 - YC46968	2008/06/05	39231 Yukon Inc.	100.00	105D14, 105D13
KLC 49 - 56	YC46969 - YC46976	2008/06/02	39231 Yukon Inc.	100.00	105D13
KLC 57 - 80	YC46977 - YC47000	2008/06/05	39231 Yukon Inc.	100.00	105D13
KLC 81 - 100	YC64873 - YC64892	2008/05/28	39231 Yukon Inc.	100.00	105D14
KLC 101 - 108	YC65767 - YC65774	2008/09/07	39231 Yukon Inc.	100.00	105D13
KLC 109 - 132	YC65785 - YC65808	2008/09/24	39231 Yukon Inc.	100.00	105D14

Criteria(s) used for search:

CLAIM NTS: 105D13 , 105D14 CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

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)

Total claims selected : 132

- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

SAMPLE RECORD

0001

Project Name K.L.C. - SOILSSampler's Initials W.S.C.
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739600 0469600
Lat./Long. _____
Line #/Station # #1 0001
Elevation _____ (feet) 666 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species GRASS

COMMENTS

Location: 450 m W of Post #1
KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

BROWN SILT, SAND, GRAVEL
CLASTS OF ANGIULAN GREEN
MAFIC META VOLCANIC ROCK WITH
BLACK MnO₂OUTWASH TILLOrg: 5 cmSAMPLE: 20-30 cm.

SAMPLE RECORD

0002

Project Name K L C - SOILSSampler's Initials W.S.C.
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6740000 0469800
Lat./Long. _____
Line #/Station # #1 0002
Elevation _____ (feet) 662 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species GRASS

COMMENTS

Location: 450 m WEST OF POST
#1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL
ANGIULAN CLASTS OF MnO₂
STAINED GREEN STONE & GRANITEOrg: 20 cmSAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GREEN ST. 90 %
QUARTZITE 10 %
Slope Direction N-E Angle 20°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GREEN ST. 90 %
QUARTZITE 10 %
Slope Direction WEST Angle 40°

SAMPLE RECORD

0003

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6740400 0470000

#1 003

(feet) 676 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

DWARF BUNCH

COMMENTS

Location: 450 M WEST OF
POST #1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT &
GRAVEL WITH ANGULAR CLASTS
OF MnO₂ STAINED GREENSTONE
ORGANIC: 5 CM

SAMPLE: 20-30 CM

SAMPLE RECORD

0004

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6740800 0470200

#1 0004

(feet) 668 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

MOSS

COMMENTS

Location: 450 M NW OF
POST #1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL
WITH MINOR ORGANICS
ROUNDED COBBLES OF FINE
GRAINED PORPHYRITIC GRANITE

Org: 5 CM

SAMPLE: 20-30 CM

SAMPLE RECORD

STREAM SEDIMENT

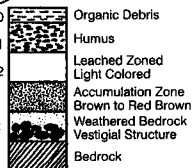
Media A B C D D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BRNDRY
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ 100 %
_____ %
Slope Direction NW Angle 30°



SAMPLE RECORD

STREAM SEDIMENT

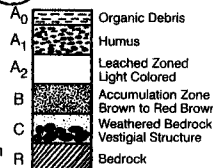
Media A B C D D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BRNDRY
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ _____ %
STONK 100 %
Slope Direction W Angle 40°



SAMPLE RECORD

0005

Project Name KLC - SOILSSampler's Initials WSCDate 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741200 0470400

Lat./Long. _____

Line #/Station # #1 0005Elevation _____ (feet) 663 (meters)Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species S. ANGLIC

COMMENTS

Location: 450 M. NW OF POST
#1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT & GRAVEL
SUB ANGULAR COBBLES OF
GREENSTONE / MINOR ORGANICSOrg: 2.5 cm
SAMPLE: 20-30 cm

SAMPLE RECORD

0006

Project Name KLC - SOILSSampler's Initials WSCDate 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741600 0470600

Lat./Long. _____

Line #/Station # #1 0006Elevation _____ (feet) 661 (meters)Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species DWARF BIRCH

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species LAB. TEA

COMMENTS

Location: 450 m N.W OF POST
#1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
TAN SAND, SILT & GRAVEL /
MINOR ORGANICS / ROUNDED
COBBLES OF GRANITE & GREENSTONEASH: 5 cm
Org: 15 cm
SAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

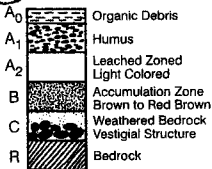
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 50 %
GREENST 50 %
 Slope Direction NW Angle 40°



SAMPLE RECORD

STREAM SEDIMENT

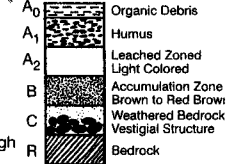
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GREEN 100 %
STONE 100 %
 Slope Direction NW Angle 30°



SAMPLE RECORD

0007

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

6742000 0470800

Lat./Long.

Line #/Station #

#1 0007

Elevation

(feet) 650 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Moss

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

GRASS

COMMENTS

Location: 450 m NW of Post

#1 - KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
 DARK BROWN SAND, SILT, GRAVEL
 & MINOR ORGANICS
 ROUNDED COBBLES OF GRANITE
 GREENSTONE OUTCROP 2 METERS
 TO N & S.

Org: 2.5 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0008

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

6742400 0471000

Lat./Long.

Line #/Station #

#1 0008

Elevation

(feet) 643 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Moss

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

ALDEN WILLOW

COMMENTS

Location: 450 m NW of Post #1

KLC # 79

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
 DARK BROWN SAND, SILT, GRAVEL
 & MINOR ORGANICS.
 ROUNDED COBBLES OF GREENSTONE

ORGAN: 15 cm

SAMPLE 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

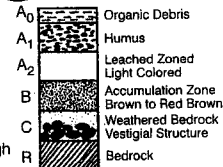
Media A B C D D hi water level
Matrix clay silt sand gravel C
Color | | | | | | | | | |
Stream Width 0'-5' 5'-10' 10'-20' >20' B
Stream Volume dry damp stagnant slow moderate fast A
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) | | | | | | | | | | %
| | | | | | | | | | %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From | | | | | To | | | | |
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology | | | | | | | | | |
Color | | | | | | | | | | Intensity
Alteration | | | | | | | | | | Lo Mod Hi
Mineralization | | | | | | | | | | Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth | 30 (feet) | cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL | | | | | | | | | | %
STONE | | | | | | | | | | %
Slope Direction N.E. Angle 30°



SAMPLE RECORD

STREAM SEDIMENT

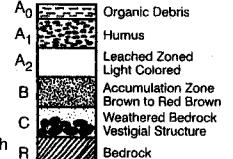
Media A B C D D hi water level
Matrix clay silt sand gravel C
Color | | | | | | | | | |
Stream Width 0'-5' 5'-10' 10'-20' >20' B
Stream Volume dry damp stagnant slow moderate fast A
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) | | | | | | | | | | %
| | | | | | | | | | %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From | | | | | To | | | | |
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology | | | | | | | | | |
Color | | | | | | | | | | Intensity
Alteration | | | | | | | | | | Lo Mod Hi
Mineralization | | | | | | | | | | Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth | 30 (feet) | cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRANITE | | | | | | | | | | %
| | | | | | | | | | %
Slope Direction W Angle 40°



SAMPLE RECORD

0009

Project Name KLC- Soils

Sampler's Initials WSC
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6742800 0471200
Lat./Long. _____
Line #/Station # # 1 0009
Elevation _____ (feet) 619 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species SPRUCE
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species MOSS

COMMENTS

Location: 450 m NW OF Post # 2

KLC # 79

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN CLAY, SAND, SILT, GRAVEL
& MINOR ORGANICS

Org: 1cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0010

Project Name KLC- Soils

Sampler's Initials WSC
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6742513 0471634
Lat./Long. _____
Line #/Station # # 2 0010
Elevation _____ (feet) 1172 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species ALDER WILLOW
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species SPRUCE

COMMENTS

Location: Post # 2 KLC # 79 & 80

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
GREY SAND & SILT WITH
MINOR ORGANICS

ORGANIC: 40 cm

SAMPLE: 60-70 cm

SAMPLE RECORD

STREAM SEDIMENT

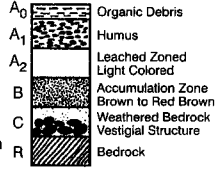
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth 60 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction EAST Angle 30°



SAMPLE RECORD

STREAM SEDIMENT

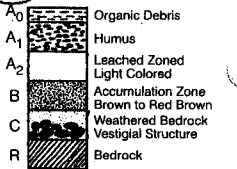
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GREEN STONE 100 %
 _____ %
Slope Direction N.W. Angle 20°



SAMPLE RECORD

0011

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Post #1 KLC # 77 & 80

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

BROWN SAND, SILT, GRAVEL
& MINOR ORGANICS
ANGULAR CLASTS OF MnO₂
STAINED GREENSTONE

Org: 2 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0012

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Post #1 KLC # 77 & 78

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

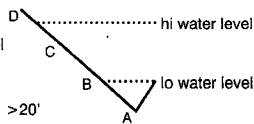



OUTWASH TILL
DARK BROWN SAND, SILT,
GRAVEL & MINOR ORGANICS

Org: 10 cm





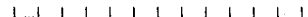

SAMPLE: 20-30 cm

SAMPLE RECORD



STREAM SEDIMENT

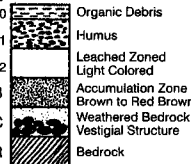
Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

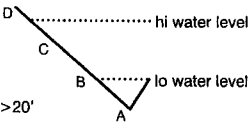
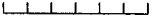
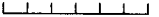

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s)  %
 %
Slope Direction NW Angle 30°


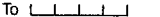
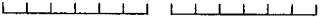
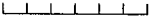
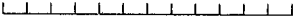
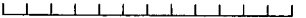


SAMPLE RECORD

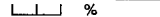
STREAM SEDIMENT

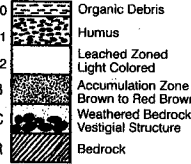
Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL  %
STONE 100 %
Slope Direction NW Angle 30°



SAMPLE RECORD

0013

Project Name

KLC - SOILS

Sampler's Initials

W.S.C.

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6741387 0471023

2 0013

(feet) 1497 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss

COMMENTS

Location:

Post # 1 KLC # 75 &

76

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
 GREY SAND, SILT, GRAVEL &
 MINOR ORGANICS
 ROUNDED BOULDERS OF GRANITE
 ANGULAR COBBLES OF GREENSTONE.

Orig: 25 cm

SAMPLE: 35-45

SAMPLE RECORD

0014

Project Name

KLC - SOILS

Sampler's Initials

W.S.C.

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6740904 04710802

2 0014

(feet) 1466 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss

COMMENTS

Location:

Post # 1 KLC # 73 & 74

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
 BROWN SILT, SAND, GRAVEL
 & HUMUS

Orig: 1 cm

SAMPLE: 30 cm

SAMPLE RECORD

STREAM SEDIMENT

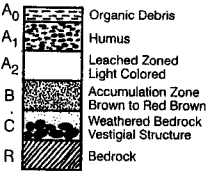
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color 15/20/21
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction N Angle 40°



SAMPLE RECORD

STREAM SEDIMENT

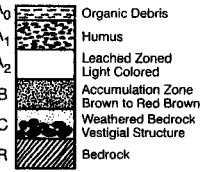
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color GREY
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 50 %
QUARTZ 50 %
 Slope Direction NW Angle 40°



SAMPLE RECORD

0015

Project Name KLC - SoilsSampler's Initials WSC
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740594 0470618

Lat./Long. _____

Line #/Station # # 2 0015Elevation _____ (feet) 1456 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location: Post #1 KLC # 71
& # 72

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT, GRAVEL
HUMUS MnO₂ STAINED CLASTS &
COBBLES OF ANGULAR GRANITEOrg: 5 CMSAMPLE: 20-30 CM

SAMPLE RECORD

0016

Project Name KLC - SoilsSampler's Initials WSC
Date 31 07 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740147 0470393

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 1438 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location: Post #1 KLC #69
& # 70

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT, GRAVEL
& MINOR ORGANICS
MnO₂ STAIN ON COBBLES OF
GRANITE & GREENSTONEOrg: 5 CMSAMPLE: 20-30 CM

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D

Matrix clay silt sand gravel

Color _____

Stream Width 0'-5' 5'-10' 10'-20' >20'

Stream Volume dry damp stagnant slow moderate fast

Stream Gradient flat shallow moderate steep

Organic Content none minor moderate high

Surface Oxides none FeO MnO Both Other

Outcrop no bedrock bedrock within 100' flows on bedrock

Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge

Source Outcrop Float Dump Gossan Vein Fracture Fault

Lithology _____

Color _____ Intensity

Alteration _____ Lo Mod Hi

Mineralization _____ Lo Mod Hi

Weathering fresh weak moderate strong saprolite

Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite

Matrix Humus Clay Loam Silt Sand

Color BROWN

Horizon A₀ A₁ A₂ B C R

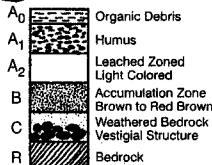
Sample Depth 30 (inches) CM

Moisture dry damp moist wet

Organics none minor moderate high

Float Type(s) QUARTZ 50 %
CHERT 50 %

Slope Direction NW Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

Media A B C D

Matrix clay silt sand gravel

Color _____

Stream Width 0'-5' 5'-10' 10'-20' >20'

Stream Volume dry damp stagnant slow moderate fast

Stream Gradient flat shallow moderate steep

Organic Content none minor moderate high

Surface Oxides none FeO MnO Both Other

Outcrop no bedrock bedrock within 100' flows on bedrock

Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge

Source Outcrop Float Dump Gossan Vein Fracture Fault

Lithology _____

Color _____ Intensity

Alteration _____ Lo Mod Hi

Mineralization _____ Lo Mod Hi

Weathering fresh weak moderate strong saprolite

Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite

Matrix Humus Clay Loam Silt Sand

Color BROWN

Horizon A₀ A₁ A₂ B C R

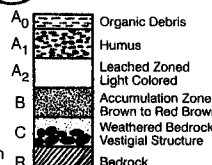
Sample Depth 30 (inches) CM

Moisture dry damp moist wet

Organics none minor moderate high

Float Type(s) QUARTZ _____ %
STIPULE 100 %

Slope Direction WEST Angle 40°



SAMPLE RECORD

0017

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

6739768 0470228

Lat./Long.

Line #/Station #

#2 0017

Elevation

(feet) 1440 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Moss

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

DWARF BIRCH

COMMENTS

Location:

Post #1 KLC #67 &

#68

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

DARK BROWN SAND, SILT, GRAVEL

& MINOR ORGANICS

MNO₂ STAINED CLASTS & COBBLES
OF GREENSTONE.

Org: 5 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0018

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

6739294 0470303

Lat./Long.

Line #/Station #

#2 0018

Elevation

(feet) 1488 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Moss

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

GRASS

COMMENTS

Location:

325m SE of Post #1

KLC 65 & 66

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

BROWN SAND-SILT, GRAVEL &

MINOR ORGANICS

Org: 15 cm

SAMPLE: 35-45 cm

SAMPLE RECORD

STREAM SEDIMENT

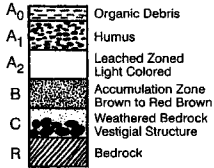
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) 45 cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction SE Angle 25°



SAMPLE RECORD

STREAM SEDIMENT

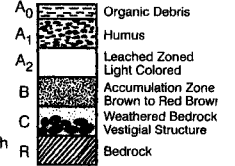
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL _____ %
STONE 100 %
Slope Direction NORTH Angle 15°



SAMPLE RECORD

0019

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location: 450 m SE of Post #1

KLC #66

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

BROWN SAND, SILT & GRAVEL / MINOR
ORGANICS - 0019/AGREY CLAY SILT SAND, GRAVEL
FROM FROST BOIL - 0019/B
FOR COMPARISON

Org: 1 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0020

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

31 07 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location: 450 m SE of Post #1

KLC #68

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

DARK BROWN SAND, SILT, GRAVEL
& MINOR ORGANICSMNDZ STAINED ANGULAR COBBLES
OF GRANITE & GREENSTONE

Org: 10 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 80 %
GRANITE 20 %
 Slope Direction WEST Angle 15°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 80 %
GRANITE 20 %
 Slope Direction EAST Angle 05°

SAMPLE RECORD

0021

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

01 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

6740000 0470800

#3 0021

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Moss

GRASS

COMMENTS

Location: 450 m SE of Post #1

KLC # 70

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUT WASH TILL

DARK BROWN SAND, SILT, GRAVEL
& MINOR ORGANICS.MnO₂ STAIN ON ANGULAR
COBBLES OF GREENSTONE

Org: 5: cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0022

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

01 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

6740400 0471000

#3 0022

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicateabsent weak moderate strong

VEGETATION

Moss

WILLOW

COMMENTS

Location: 450 m SE of Post #1

KLC # 72

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUT WASH TILL

TAN SAND, SILT, GRAVEL & MINOR
ORGANICS

ROUNDED COBBLES OF GREENSTONE

ORGANIC: 10cm

SAMPLE: 20-30cm

SAMPLE RECORD

STREAM SEDIMENT

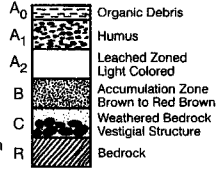
Media A B C D
Matrix clay silt sand gravel
Color
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ B C R
Sample Depth 3.0 (feet) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GREEN %
STONE 100 %
Slope Direction N.E Angle 20°



SAMPLE RECORD

STREAM SEDIMENT

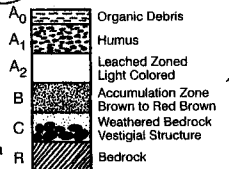
Media A B C D
Matrix clay silt sand gravel
Color
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 3.0 (feet) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GREEN %
STONE 100 %
Slope Direction WEST Angle 40°



SAMPLE RECORD

0023

Project Name KLC - SOILSSampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740800 6471200

Lat./Long. _____

Line #/Station # #3 0023

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: 450 M SE OF Post #1KLC 74

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
GREY - TAN CLAY, SAND, GRAVEL
& MINOR ORGANICSOrg: 15 cm
SAMPLE: 35-45 cm

SAMPLE RECORD

0024

Project Name KLC - SOILSSampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741200 0471400

Lat./Long. _____

Line #/Station # #3 0024Elevation _____ (feet) 1598 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: 450 m SE OF Post #1KLC #76

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL &
MINOR ORGANICS
ROUND CORIBLES & BOUNDERS
OF META VOLCANIC ROCKSOrg: 2.5 cm
SAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

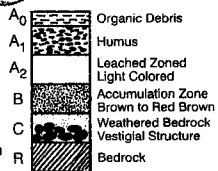
Media A B C D D' hi water level
 Matrix clay silt sand gravel C
 Color B
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) None %
Volcanic 100 %
 Slope Direction South Angle 4.0°



SAMPLE RECORD

STREAM SEDIMENT

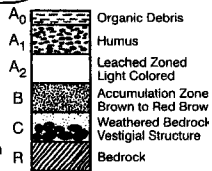
Media A B C D D' hi water level
 Matrix clay silt sand gravel C
 Color B
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Grey
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 45 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction SE Angle 0.5°



SAMPLE RECORD

0025

Project Name KLC - S0148

Sampler's Initials WSC

Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741600 0471600

Lat./Long. _____

Line #/Station # #3 0025

Elevation _____ (feet) 1475 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: 450 m SE OF POST #1
KLC #78

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT, GRAVEL
& MINOR ORGANICS

Org: 5:CM

SAMPLE: 20-30

SAMPLE RECORD

0026

Project Name KLC - S0148

Sampler's Initials WSC

Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6742000 0471800

Lat./Long. _____

Line #/Station # #3 0026

Elevation _____ (feet) 1352 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species BLUE BERRY

COMMENTS

Location: 500 m SE OF POST #1
KLC #79 & 80

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT, GRAVEL
& MINOR ORGANICS

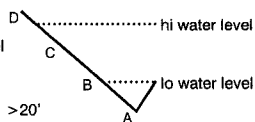
Org: 50CM

SAMPLE 60-70 - 80 CM

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

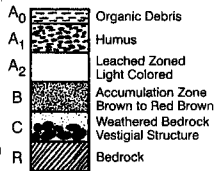


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

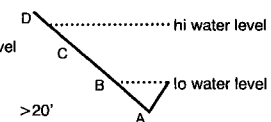
Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction N13 Angle 40°



SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

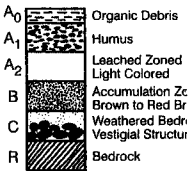


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction N13 Angle 20°



SAMPLE RECORD

0027

Project Name KLC - SoilsSampler's Initials W.S.G
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6742400 0472000

Lat./Long. _____

Line #/Station # # 3 0027Elevation _____ (feet) 1193 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss/GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species ALDER

COMMENTS

Location: 450 M SE OF POST #2KLC #80

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
GREY - BLACK CLAY, SAND,
SILT, GRAVEL & HUMUSORGANIC: 60 CMSAMPLE: 60 CM

SAMPLE RECORD

0028

Project Name KLC - SoilsSampler's Initials W.S.G
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6742192 0472385

Lat./Long. _____

Line #/Station # # 4 0028Elevation _____ (feet) 1137 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOWS

COMMENTS

Location: POST #2 KLC #63 & 64

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK BROWN SAND, SILT, GRAVEL
HUMUSORG: 30 CMSAMPLE: 40-50 CM

SAMPLE RECORD

0029

Project Name KLC - Soils

Sampler's Initials WSS

Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6736322 0471860

Lat./Long. _____

Line #/Station # _____ 0029

Elevation _____ (feet) 1537 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location: Post #1 IBEX #1 & 2

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

ORGANIC RICH SILT: DARK
BROWN - EAST SIDE OF RIDGE
ON SOUTH EAST END OF
IBEX VALLEY

SAMPLE RECORD

0030

Project Name KLC - Soils

Sampler's Initials WSS

Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6736461 0472293

Lat./Long. _____

Line #/Station # _____ 0030

Elevation _____ (feet) 1351 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

Location: Post #2 IBEX #1

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

ORGANIC RICH BROWN SILT
SAMPLE: 20-30cm Org: 1cm
OUTWASH TILL NEAR BEDROCK
RIDGE NW OF SCOUT HART
ROAD.

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color 13 brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAVELIST 100 %
 %
 Slope Direction SE Angle 50°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color 13 brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction SE Angle 30°

SAMPLE RECORD

0031

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

03 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Post #1 KLC #59 &
60

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL &
HUMUSOrig: 30 cm
SAMPLE: 30-40

SAMPLE RECORD

0032

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

03 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

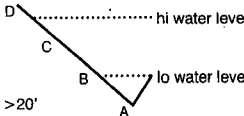
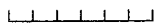
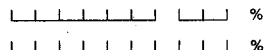
Post #1 KLC #61

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)


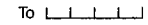
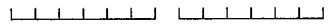
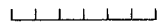
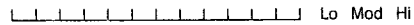
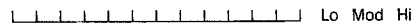
OUTWASH TILL
DARK BROWN HUMUS & MnO₂
STAINING ANGULAR GREEN STONEOrig: 55 cm
SAMPLE: 55-65

SAMPLE RECORD


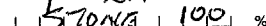
STREAM SEDIMENT

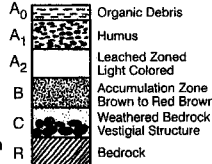
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

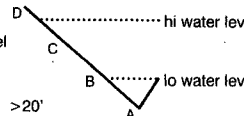
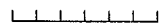
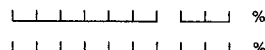
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 65 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GREEN  %
STONIA  %
 Slope Direction EAST Angle 55°

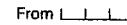
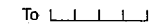

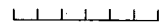
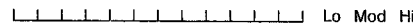
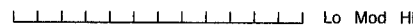


SAMPLE RECORD



STREAM SEDIMENT

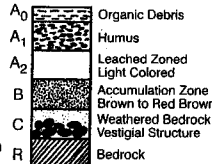
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 40 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SW Angle 15°



SAMPLE RECORD

0033

Project Name KLC

Sampler's Initials ASC
 Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
 UTM/N/E 6741805 0472198

Lat./Long. _____

Line #/Station # #4 0033

Elevation _____ (feet) 1218 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

Location: Post #1 KLC #63 &

64

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
 BROWN SAND, SILT, GRAVEL &
 HUMUS
 ANGULAR COBBLES OF QA STONE.

ORGANIC: 30CM
 SAMPLE 30-40

SAMPLE RECORD

0034

Project Name _____

Sampler's Initials _____
 Date _____ (day/mo/yr)

LOCATION

Grid N/E _____
 UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

STREAM SEDIMENT

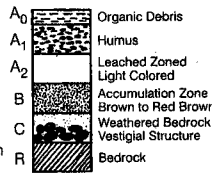
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
_____ %
Slope Direction _____ Angle _____ °



SAMPLE RECORD

STREAM SEDIMENT

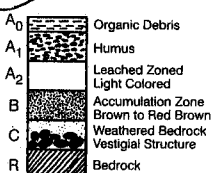
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
_____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ (B) C R
Sample Depth 40 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL _____ %
STONE 100 %
Slope Direction EAST Angle 15 °



SAMPLE RECORD

0035

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____(feet) _____(meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

0036

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____(feet) _____(meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

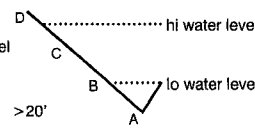
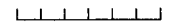
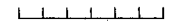

COMMENTS

Location:

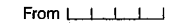
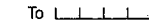
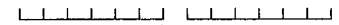
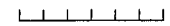
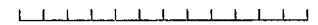
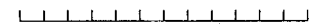
Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

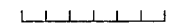
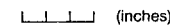
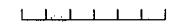


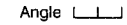
STREAM SEDIMENT

Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

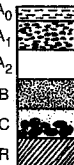
ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color 
Horizon A₀ A₁ A₂ B C R
Sample Depth  (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s)  %
 %
Slope Direction  Angle  °

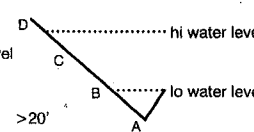


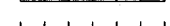
A₀









Organic Debris
Humus
Leached Zoned
Light Colored
Accumulation Zone
Brown to Red Brown
Weathered Bedrock
Vestigial Structure
Bedrock

SAMPLE RECORD




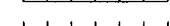


STREAM SEDIMENT

Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

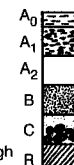
ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color 
Horizon A₀ A₁ A₂ B C R
Sample Depth  (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s)  %
 %
Slope Direction  Angle  °

A₀



Organic Debris
Humus
Leached Zoned
Light Colored
Accumulation Zone
Brown to Red Brown
Weathered Bedrock
Vestigial Structure
Bedrock

SAMPLE RECORD

0037

Project Name KLC - Soils

Sampler's Initials LSC
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6738800 0471200
Lat./Long. _____
Line #/Station # _____ 0037
Elevation _____ (feet) 1401 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species GRASS

COMMENTS

Location: 450 m NW of Post #1

KLC #33

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND, SILT
GRAVEL. SUB ROUND COBBLES
OF MnO₂ STAINED GRANITE &
GREEN STONIE

Org: 10 cm

SAMPLE: 20-30

SAMPLE RECORD

0038

Project Name KLC - Soils

Sampler's Initials LSC
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739200 0471400
Lat./Long. _____
Line #/Station # _____ 0038
Elevation _____ (feet) 1415 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species DWARF BIRCH

COMMENTS

Location: 450 m NW Post #2

KLC #33

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

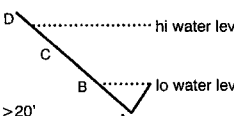
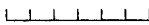
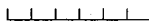
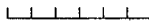
OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORG.
ROUNDED BOLLOERS OF GRANITE
& GREENSTONE

Org: 10 cm

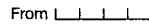
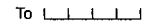
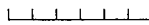
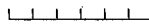
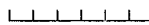
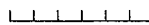
SAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

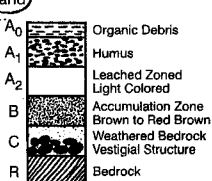
Media A B C D  hi water level
 Matrix clay silt sand gravel C
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

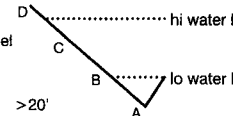
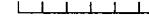
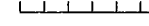
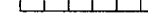
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAVEL SD %
GRAVEL SD %
 Slope Direction S Angle 15°


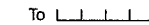
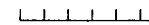
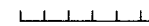
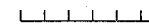
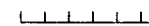


SAMPLE RECORD

STREAM SEDIMENT

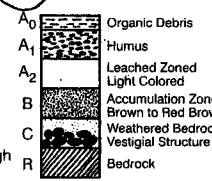
Media A B C D  hi water level
 Matrix clay silt sand gravel C
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAVEL SD %
GRAVEL SD %
 Slope Direction SE Angle 20°



SAMPLE RECORD

0039

Project Name

KLC - Soils

Sampler's Initials

LSC

Date

13 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss
Blueberry

COMMENTS

Location: 450 m NW of Post #1

KLC # 37

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm Sample: 13-23cm

Outwash till: Brown sand, silt,
gravel & minor organicsMnO₂ stain on cobbles & clasts
of granite & gneiss

SAMPLE RECORD

0040

Project Name

KLC - Soils

Sampler's Initials

LSC

Date

09 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss
Dwarf Birch

COMMENTS

Location: 450 m SE of Post

#1 KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Outwash till brown sand,
silt & gravel/minor organic

Organ: 5cm

Sample: 20-30cm

SAMPLE RECORD

STREAM SEDIMENT

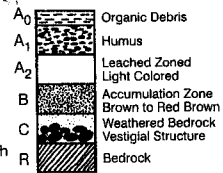
Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction N/E Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

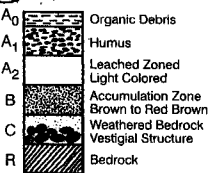
Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 23 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAIT SIO %
GAISENT 50 %
 Slope Direction WEST Angle 10°



SAMPLE RECORD

0041

Project Name _____

Sampler's Initials WSCDate 09 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740400 0472000Lat./Long. _____ 0041

Line #/Station # _____

Elevation _____ (feet) 1417 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species DWARF BIRCH

COMMENTS

Location: 450 m SE OF Post #1KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: TAN SAND,
SILT, GRAVEL & MINOR ORGOrg: 10 cmSAMPLE: 30-40 cm

SAMPLE RECORD

0042

Project Name _____

Sampler's Initials WSGDate 09 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740800 0472200

Lat./Long. _____

Line #/Station # _____ 0042Elevation _____ (feet) 1469 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

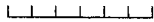
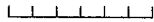
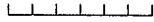
Location: 450 m SE Post #1KLC #ON RIDGE TOP

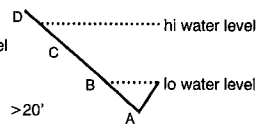
Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICSOrg: 10 cmSAMPLE: 30-40 cm

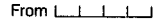
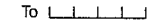
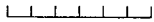
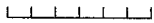
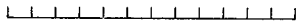
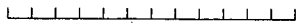
SAMPLE RECORD

STREAM SEDIMENT

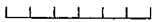
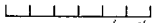
Media A B C D
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

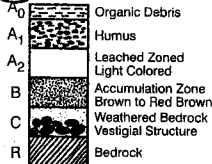


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

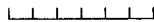
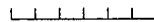
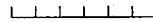
SOIL

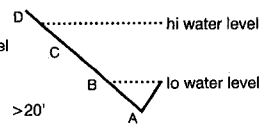
Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 40 ~~(inches)~~ CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction NW Angle 20°



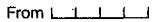
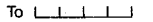
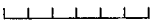
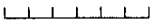
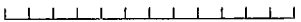
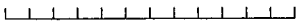
SAMPLE RECORD

STREAM SEDIMENT

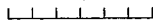
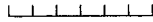
Media A B C D
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

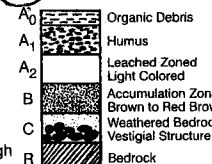


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 40 ~~(inches)~~ CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SW Angle 10°



SAMPLE RECORD

0043

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

09 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet) 1288 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

MOSS

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

WILLOWS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BLACK ORGANIC
RICH HUMUS, SILT, SAND & GRAVEL

Org: 40 cm

SAMPLE: 40-50

SAMPLE RECORD

0044

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

03 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet) 1213 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

MOSS

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

POMMAN

COMMENTS

Location:

450 M SE OF POST #1

KLC #63 & 64

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
RUSTY BROWN SAND, SILT,
GRAVEL
ROUNDED GRANITE BOULDER
MnO₂ STAINED ANGULAR VOLCANIC
ROCKS

Org: 3 cm

SAMPLE: 13-23 cm

SAMPLE RECORD

STREAM SEDIMENT

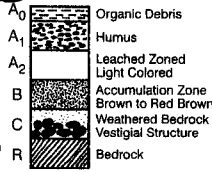
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 23 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) granite silt %
vol silt %
Slope Direction West Angle 20°



SAMPLE RECORD

STREAM SEDIMENT

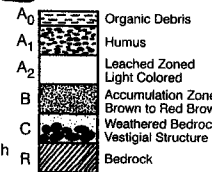
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Black
Horizon A₀ A₁ A₂ B C R
Sample Depth 50 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction NE Angle 40°



SAMPLE RECORD

0045

Project Name KLC - Soils

Sampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6742000 0472800
Lat./Long. _____
Line #/Station # #6 0046
Elevation _____ (feet) 1221 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species _____

COMMENTS

Location: 450 m SW of Post # 1

KLC # 82

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL &
MINOR ORGANICS

Org: 5 cm

SAMPLE: 20-30

SAMPLE RECORD

0046

Project Name KLC - Soils

Sampler's Initials WSC
Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6741799 0473239
Lat./Long. _____
Line #/Station # _____ 0046
Elevation _____ (feet) 1182 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species GRASS
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species PINES

COMMENTS

Location: Post # 2 KLC # 47 & 4

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK REDISH BROWN SAND, SILT
GRAVEL

Org: 10 cm

SAMPLE RECORD

STREAM SEDIMENT

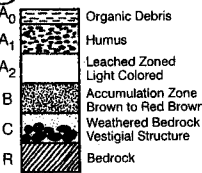
Media A B C D D
Matrix clay silt sand gravel C
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20' B A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction S Angle 05°



SAMPLE RECORD

STREAM SEDIMENT

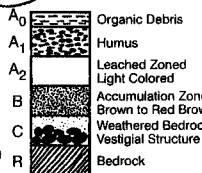
Media A B C D D
Matrix clay silt sand gravel C
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20' B A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction N Angle 40°



SAMPLE RECORD

0047

Project Name KLC - Soils

Sampler's Initials WSC
Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6741375 0473032
Lat./Long. _____
Line #/Station # _____ 0047
Elevation _____ (feet) 119.6 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species GRASS

COMMENTS

Location: Post # KLC #47 & 48

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SILT, SAND, GRAVEL
& MINOR HUMUS

Org: 10 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0048

Project Name KLC - Resoils

Sampler's Initials WSC
Date 10 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E _____
Lat./Long. _____
Line #/Station # _____ 0048
Elevation _____ (feet) _____ (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species WILLOWS

COMMENTS

Location: Post #1 KLC #45 & 46

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

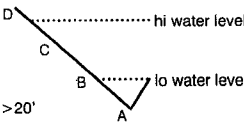


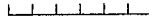
OUTWASH TILL: Humus RICH
BLACK SILT & SAND

Org: 50 cm






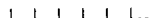
SAMPLE 50-60 cm

SAMPLE RECORD



STREAM SEDIMENT

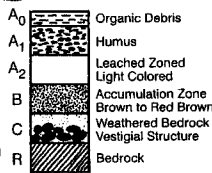
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

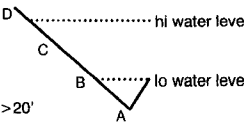



SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BLACK
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 60 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction N/E Angle 2.0 °

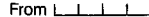


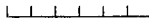

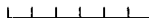


SAMPLE RECORD




STREAM SEDIMENT

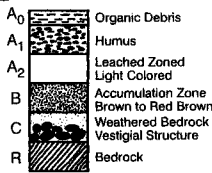
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction  Angle 0 °



SAMPLE RECORD

0049

Project Name KLC - SOILS

Sampler's Initials WSS

Date 10 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____ 0049

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: Post # 2 KLC # 41 & 42

TOP OF RIDGE

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND, SILT,
GRAVEL & MINOR ORGANICS OVERLYING
LABARGE group CONGLOMERATE

Org: 7.5 cm

SAMPLE: 17 - 22 cm

SAMPLE RECORD

0050

Project Name KLC - SOILS

Sampler's Initials WSS

Date 10 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____ 0050

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species DWARF BIRCH

COMMENTS

Location: Post # 2 KLC # 39 & 40

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

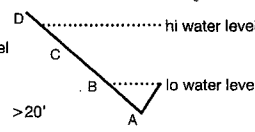
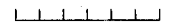
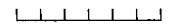
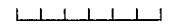
OUTWASH TILL; REDISH BROWN
SAND, SILT, GRAVEL & MINOR ORG.
ROUNDED GRANITIC BOULDERS
MnO₂ STAIN ON COBBLES

Org: 2.5 cm

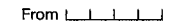
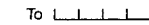
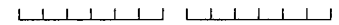
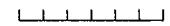
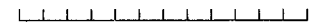
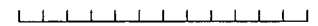
SAMPLE: 22 - 32 cm

SAMPLE RECORD

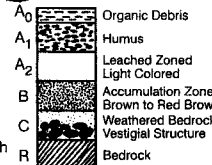
STREAM SEDIMENT

Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

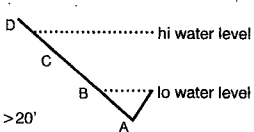



Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL




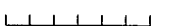


Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color RUSTY
Horizon A₀ A₁ A₂ B C R
Sample Depth 32 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVELS 100 %

Slope Direction S Angle 10°

SAMPLE RECORD

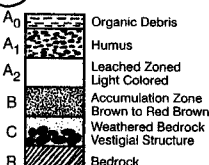
STREAM SEDIMENT

Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 27 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVELS 20 %
GRAVELS 80 %
Slope Direction SW Angle 05°


SAMPLE RECORD

0051

Project Name KLC - SOILS

Sampler's Initials W.S.C

Date 10 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____ 0051

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: Post # 2 KLC #37 &

38

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUT WASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORG.

Org: 1 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0052

Project Name KLC - SOILS

Sampler's Initials W.S.C

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739380 0472000

Lat./Long. _____

Line #/Station # _____ 0052

Elevation _____ (feet) 1706 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location: Post # 1 KLC #37 & 38

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUT WASH TILL: BROWN SAND,
SILT, GRAVEL, ORGANICS.

ROUNDED GRANITE & GREENSTONE
COBBLES

Org: 4 cm Ash: 7 cm

SAMPLE 14-24 cm

SAMPLE RECORD

STREAM SEDIMENT

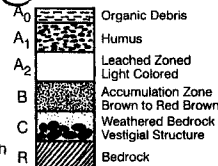
Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 24 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAVEL 50 %
GRAVELS 50 %
 Slope Direction SOUTH Angle 110 °



SAMPLE RECORD

STREAM SEDIMENT

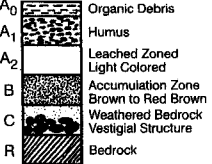
Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction SW Angle 15 °



SAMPLE RECORD

0053

Project Name KLC - SOILS

Sampler's Initials WJG

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 67338980 0471800

Lat./Long. _____

Line #/Station # _____ 0053

Elevation _____ (feet) 1384 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: Post #1 KLC # 35 & 36

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORG.

Org: 2.5 cm

SAMPLE: 12.5 - 22.5 cm

SAMPLE RECORD

0054

Project Name KLC - SOILS

Sampler's Initials WJG

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738580 0471580

Lat./Long. _____

Line #/Station # _____ 0054

Elevation _____ (feet) 1386 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species BLUE BERRY

COMMENTS

Location: Post #1 KLC # 33 &

34

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL, MINOR ORG.

Org: 1 cm Sample 11-21 cm

SAMPLE RECORD

0055

Project Name KLC - Soils

Sampler's Initials WSL
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6738400 0472000
Lat./Long. _____
Line #/Station # _____ 0055
Elevation _____ (feet) 1252 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species DWARF BIRCH

COMMENTS

Location: 450 m NW of Post #1KLC #17

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICS.
ROUNDED COBBLES & BOULDERs OF
QUARTZITE & GNEISS

Org: 1 cm SAMPLE 1-2 cm

SAMPLE RECORD

0056

Project Name KLC - Soils

Sampler's Initials WSL
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6738800 0472200
Lat./Long. _____
Line #/Station # _____ 0056
Elevation _____ (feet) 1329 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species WILLOW

COMMENTS

Location: 450 m NW Post #1KLC #19

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL Rusty BROWN
SAND, SILT, GRAVEL / MINOR ORGANICS
MnO₂ STAIN ON ROUNDED COBBLES
OF QUARTZITE

SAMPLE: 17.5 - 27.5 cmOrg: 7.5 cm ASH: 2 cm

SAMPLE RECORD

0057

Project Name KLC - Soils

Sampler's Initials WSC
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739200 0472400
Lat./Long. _____
Line #/Station # _____ 0057
Elevation _____ (feet) 1356 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species WILLOWS

COMMENTS

Location: 450 m NW of Post #1

KLC #21

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
GRAVEL & MINOR ORGANICS

Org: 1cm

SAMPLE: 11-21cm

SAMPLE RECORD

0058

Project Name KLC - Soils

Sampler's Initials WSC
Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739600 0472600
Lat./Long. _____
Line #/Station # _____ 0058
Elevation _____ (feet) 1377 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species DWARF BIRCH

COMMENTS

Location: 450 m NW of Post #1

KLC #23

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 15cm SAMPLE: 25-35cm
OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & ORGANICS

SAMPLE RECORD

0059

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

11 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6740000 0472800

0059

13.56 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicate absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss

DWARF BIRCH

COMMENTS

Location: 450 m SE of Post #1

KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 4cm

SAMPLE: 25-35cm

OUTWASH TILL: BROWN SILT,
SAND, GRAVEL & MINOR ASH

SAMPLE RECORD

0060

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

11 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Sample Collection

Std./Blank/Dup #

Contamination

6740400 0473000

13.15 (meters)

Rock Soil Sediment Standard Blank Single Site Composite Sites Duplicate Replicate absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

GRASS

DWARF BIRCH

COMMENTS

Location: 450 m SE of Post #1

KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 10cm

SAMPLE: 20-30cm

OUTWASH TILL: TAN, SAND, SILT,
GRAVEL & MINOR ORGANICS.

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 CM (inches)
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction LEAST Angle 25°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 35 CM (inches)
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 100 %
 _____ %
 Slope Direction LEAST Angle 20°

SAMPLE RECORD

0061

Project Name KLC - SOILS

Sampler's Initials WSC
Date 11 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6743200 0473209
Lat./Long. _____
Line #/Station # _____ 0061
Elevation _____ (feet) 1238 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species WILLOWS

COMMENTS

Location: 450 m S/E OF Post #1

KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 12 cm

SAMPLE: 22-32 cm

OUTWASH TILL: GREY BROWN,
SAND, SILT, GRAVEL & MINOR ORG -
ANGULAR COBBLES OF GREENSTONE

SAMPLE RECORD

0062

Project Name KLC - SOILS

Sampler's Initials WSC
Date 11 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6741200 0473200
Lat./Long. _____
Line #/Station # _____ 0062
Elevation _____ (feet) 1184 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species MOSS
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species SPRUCE

COMMENTS

Location: 450 m S/E Post #1

KLC #

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

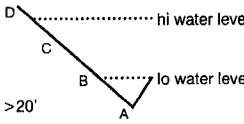
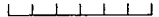
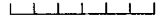

Org: 10 cm

SAMPLE: 20-30 cm

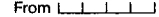
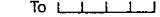

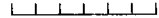
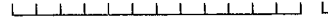

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICS
ROUNDED ALTERED DIORITE

SAMPLE RECORD

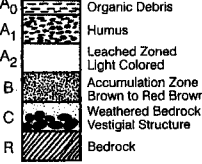
STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

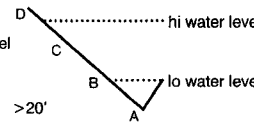



Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL





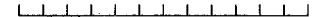

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 100 %

 Slope Direction E Angle 05°

SAMPLE RECORD

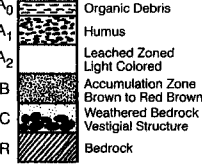
STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANITE 100 %

 Slope Direction EAST Angle 25°

SAMPLE RECORD

0063

Project Name KLC - SOILS

Sampler's Initials WSC

Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741600 0473600

Lat./Long. _____

Line #/Station # _____ 0063

Elevation _____ (feet) 1108 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species RED WILLOW

COMMENTS

Location: 450 M SE OF POST #2

KLC # 47 & 48

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
BROWN SAND, SILT, GRAVEL
MINOR ORGANIC.
MNO₂ STAINED GRANITE

ORG: 4CM
SAMPLE: 14 - 24 cm

SAMPLE RECORD

0064

Project Name KLC SOILS

Sampler's Initials WSC

Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741390 0474037

Lat./Long. _____

Line #/Station # _____ 0064

Elevation _____ (feet) 1032 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOWS

COMMENTS

Location: POST #2 KLC # 32 & 31

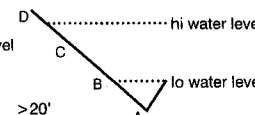
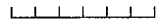
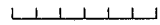
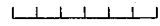
Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
DARK GREY SILT, SAND, GRAVEL &
HUMUS




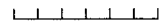
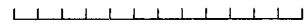
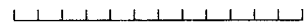
ORG: 15CM ASH: 3CM
SAMPLE: 25 - 35 cm

SAMPLE RECORD

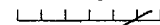
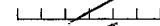
STREAM SEDIMENT

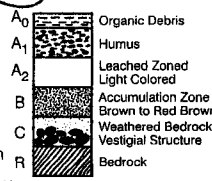
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

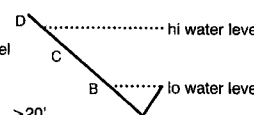

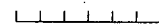
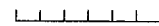
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color GRAY
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 40 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SE Angle 10°

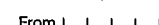


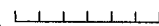
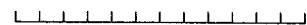



SAMPLE RECORD


STREAM SEDIMENT

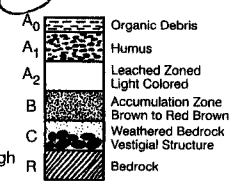
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 24 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
97 190 %
 Slope Direction SE Angle 30°



SAMPLE RECORD

0065

Project Name KLC - SOILS

Sampler's Initials WSC

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740980 0473820

Lat./Long. _____

Line #/Station # _____ 0065

Elevation _____ (feet) 1095 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUCKE

COMMENTS

Location: Post #1 KLC #31-32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 20 cm SAMPLE: 20-30

OUTWASH TILL: TAN SAND, SILT & GRAVEL / MINOR ORGANICS

SAMPLE RECORD

0066

Project Name KLC - SOILS

Sampler's Initials WSC

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740580 0473620

Lat./Long. _____

Line #/Station # _____ 0066

Elevation _____ (feet) 1177 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species LAB - TEA

COMMENTS

Location: Post #1 KLC # 29 & 30

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3 cm SAMPLE: 13-23

ASH: 4 cm

OUTWASH TILL: BROWN SAND, SILT, GRAVEL / ORGANICS

SAMPLE RECORD

0067

Project Name KLC - SoilsSampler's Initials WSSDate 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740180 0473420

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 1283 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species DWARF BIRCH

COMMENTS

Location: Post # 2 KLC # 25 & 26

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICSMnO₂ STAINED GRANITIC
COBBLES & CLASTS

Orig: 10cm

SAMPLE: 20-30cm

SAMPLE RECORD

0068

Project Name KLC - SoilsSampler's Initials WSSDate 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739780 0473220

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 1309 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species DWARF BIRCH

COMMENTS

Location: Post # 2 KLC # 23 & 24

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN
SAND, SILT, GRAVELROUNDED GRANITE COBBLES
& BOULDERS

Orig: 1cm

SAMPLE: 11-21cm

SAMPLE RECORD

STREAM SEDIMENT

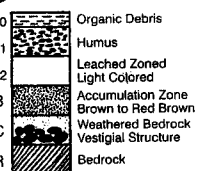
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 22 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ 100 %
 _____ %
Slope Direction SE Angle 05°



SAMPLE RECORD

STREAM SEDIMENT

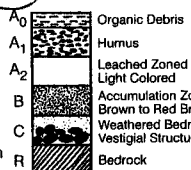
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ _____ %
STONE 100 %
Slope Direction N.E Angle 20°



SAMPLE RECORD

0069

Project Name KLC - Soils

Sampler's Initials WSC

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739380 0473000

Lat./Long. _____

Line #/Station # _____ 0069

Elevation _____ (feet) 1344 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: Post # 2 KLC # 21 & 22

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICS

Org: 2 1/2 cm SAMPLES 12-22
ASH: 5 cm cm

SAMPLE RECORD

0070

Project Name KLC - Soils

Sampler's Initials WSC

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738980 0472800

Lat./Long. _____

Line #/Station # _____ 0070

Elevation _____ (feet) 1318 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species POPLAR

COMMENTS

Location: Post # 1 KLC # 21 & 22

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MINOR ORGANICS

Org: 1 cm
SAMPLE: 11-21 cm

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D hi water level
Matrix clay silt sand gravel C
Color
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast B
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color SNOW
Horizon A₀ A₁ A₂ B C R
Sample Depth 22 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRANT 50 %
GREENST 50 %
Slope Direction S Angle 15°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D hi water level
Matrix clay silt sand gravel C
Color
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast B
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color SNOW
Horizon A₀ A₁ A₂ B C R
Sample Depth 22 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRANT 50 %
GREENST 50 %
Slope Direction S Angle 10°

SAMPLE RECORD

0071

Project Name KLC - SOILS

Sampler's Initials WSC

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738580 0472580

Lat./Long. _____

Line #/Station # _____ 0071

Elevation _____ (feet) 1245 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species WILLOWS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINES

COMMENTS

Location: Post # 1 KLC # 19

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND, SILT, GRAVEL

ROUNDED GRANITE FLOAT

Org: 10 cm

SAMPLE: 20-30cm

SAMPLE RECORD

0072

Project Name KLC - SOILS

Sampler's Initials WSC

Date 12 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738180 0472380

Lat./Long. _____

Line #/Station # _____ 0072

Elevation _____ (feet) 1235 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species DWARF BIRCH

COMMENTS

Location: Post # KLC # 17 & 18

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

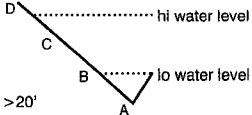
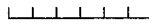
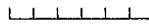

OUTWASH TILL: BROWN SAND, SILT, GRAVEL

SUB ROUNDED GREENSTONE FLOAT



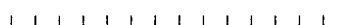
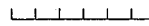
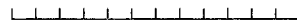
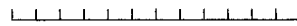
Org: 4cm SAMPLE: 14-24cm

SAMPLE RECORD



STREAM SEDIMENT

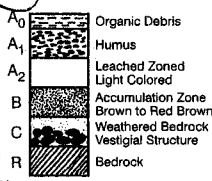
Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

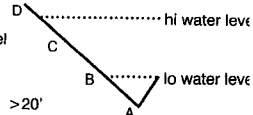
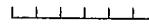
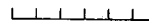

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 24 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL  %
STONKS  %
Slope Direction EAST Angle 25°


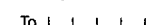

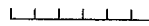
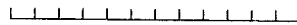
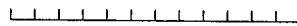


SAMPLE RECORD

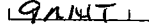

STREAM SEDIMENT

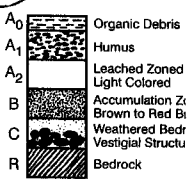
Media A B C D  hi water level
Matrix clay silt sand gravel
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color Brown
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAVEL  %
100  %
Slope Direction SW Angle 25°



SAMPLE RECORD

0073

Project Name KLC - SoilsSampler's Initials WSS
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6737980 0472740

Lat./Long. _____

Line #/Station # _____ 0073Elevation _____ (feet) 1179 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PRAIRIES

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 10cm Ash: 4cm
 SAMPLE: 20-30cm
 OUTWASH TILL: TAIL SAND,
 SILT, GRAVEL & MINOR ORG.

SAMPLE RECORD

0074

Project Name KLC - SoilsSampler's Initials WSS
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738380 0472960

Lat./Long. _____

Line #/Station # _____ 0074Elevation _____ (feet) 1159 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PRAIRIES

COMMENTS

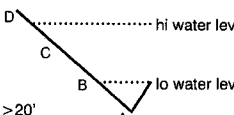


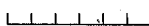
Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)






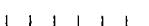
Org: 5cm Ash: 3cm
 OUTWASH TILL: TAIL SAND
 SILT, GRAVEL
 ROUNDED COBBLES OF QANT - 20cm
 " " OF QANST - 10cm
 SAMPLE: 20-30cm

SAMPLE RECORD


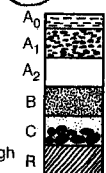
STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

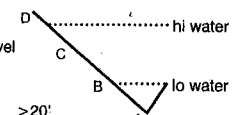
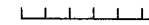
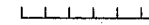
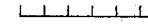
Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL


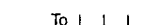

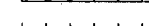
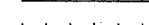
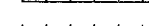
Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN 
 Horizon A₀ A₁ A₂ B C R 
 Sample Depth 30 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANT 50 %
GRANST 50 %
 Slope Direction SW Angle 30 °

SAMPLE RECORD


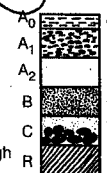
STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN 
 Horizon A₀ A₁ A₂ B C R 
 Sample Depth 30 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRANT 50 %
GRANST 50 %
 Slope Direction EAST Angle 35 °

SAMPLE RECORD

0075

Project Name KCC-T SOILSSampler's Initials WSCDate 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738782 0473178

Lat./Long. _____

Line #/Station # _____ 0075Elevation _____ (feet) 1284 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINES

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm Ash: 3cmSAMPLE: 20-30cmOUTWASH TILL: TAN SAND, SILT,
GRAVEL & MINOR ORG.ANGULAR GRANITE - 10cm" " GRANITE - 6cm

SAMPLE RECORD

0076

Project Name KCC-T SOILSSampler's Initials WSCDate 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739180 0473400

Lat./Long. _____

Line #/Station # _____ 0076Elevation _____ (feet) 1263 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species POPLAR

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm Ash: 4cm SAMPLE 20-30cmOUTWASH TILL: TAN SAND, SILT &
GRAVEL / MINOR ORG.MINOR STAINED ANGULAR DIORITE: 6cm" " ROUNDED GRANITE: 4cm

SAMPLE RECORD

0077

Project Name KLC - Soils

Sampler's Initials WSE

Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739580 0473620

Lat./Long. _____

Line #/Station # _____ 0077

Elevation _____ (feet) 1242 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

ASH: 4cm Org: 5cm

OUTWASH TILL: TAN SAND,
SILT & GRAVEL / MINOR ORG.

IRREGULAR QUARTZITE - 10cm

ROUNDED GRANITE - 3cm

SAMPLE RECORD

0078

Project Name KLC - Soils

Sampler's Initials WSE

Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739980 0473840

Lat./Long. _____

Line #/Station # _____ 0078

Elevation _____ (feet) 1204 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 4cm ASH: 4cm

SAMPLE: 20-30

OUTWASH TILL: TAN SAND,
SILT & GRAVEL

COBBLES OF QUARTZITE - 5cm

SAMPLE RECORD

STREAM SEDIMENT

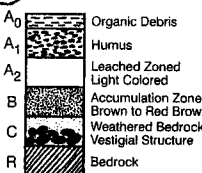
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ _____ %
STONE 100 %
Slope Direction N E Angle 20°



SAMPLE RECORD

STREAM SEDIMENT

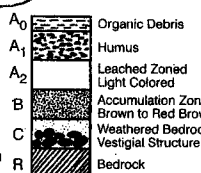
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ _____ %
QUARTZ 50 %
QUARTZ 50 %
Slope Direction S E Angle 10°



SAMPLE RECORD

0079

Project Name KLC - SoilsSampler's Initials WSS
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740380 0474060

Lat./Long. _____

Line #/Station # _____ 0079Elevation _____ (feet) 1135 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUC

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 30cm SAMPLE 65cmOUTWASH TILL: GREY SAND, SILT
& GRAVEL /

SAMPLE RECORD

0080

Project Name KLC - SoilsSampler's Initials WSS
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740780 0474280

Lat./Long. _____

Line #/Station # _____ 0080Elevation _____ (feet) 1059 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUC

COMMENTS

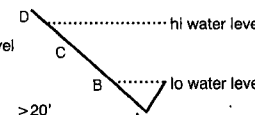
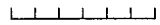
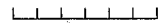

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

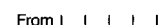
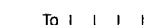
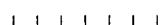



Org: 10 cm SAMPLE: 35
OUTWASH TILL: GREY SAND,
SILT, GRAVEL / MINOR Org.

SAMPLE RECORD


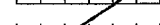
STREAM SEDIMENT

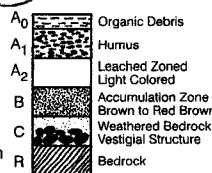
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

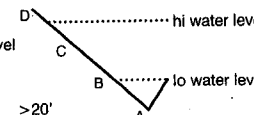
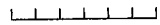
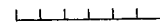
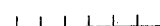
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color gray
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 35 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction N.E Angle 10°





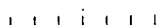



SAMPLE RECORD


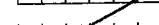
STREAM SEDIMENT

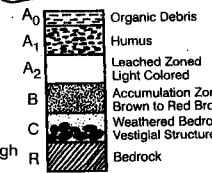
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 62 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction EAST Angle 20°



SAMPLE RECORD

0081

Project Name KLC - Soil

Sampler's Initials WSC

Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741200 0474400

Lat./Long. _____

Line #/Station # _____ 0081

Elevation _____ (feet) 1027 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species LAB-TIA

COMMENTS

Location: 450 m SE OF Post # 2

KLC # 32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
GREY SAND, SILT, GRAVEL &
HUMUS

Orig: 25 cm SAMPLE: 25-35 cm

SAMPLE RECORD

0082

Project Name KLC - Soil

Sampler's Initials WSC

Date 02 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740971 0474829

Lat./Long. _____

Line #/Station # _____ 0082

Elevation _____ (feet) 989 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUCE

COMMENTS

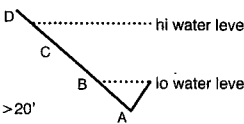
Location: Post # 2 KLC # 16

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)


OUTWASH TILL: ORGANIC RICH
DARK BROWN SAND, SILT & HUMUS

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D 

Matrix clay silt sand gravel

Color 

Stream Width 0'-5' 5'-10' 10'-20' >20'


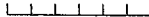
Stream Volume dry damp stagnant slow moderate fast

Stream Gradient flat shallow moderate steep

Organic Content none minor moderate high



Surface Oxides none FeO MnO Both Other

Outcrop no bedrock bedrock within 100' flows on bedrock


Float Type(s)  %
 %


ROCK


Media Grab Chip Channel Cuttings Core Sludge


From  To 

Source Outcrop Float Dump Gossan Vein Fracture Fault

Lithology 

Color  Intensity

Alteration  Lo Mod Hi

Mineralization  Lo Mod Hi

Weathering fresh weak moderate strong saprolite

Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite

Matrix Humus Clay Loam Silty Sand



Color BROWN

Horizon A₀ A₁ A₂ (B) C R

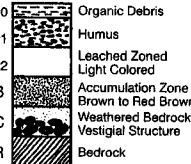
Sample Depth 30 (inches) CM

Moisture dry damp moist wet

Organics none minor moderate high

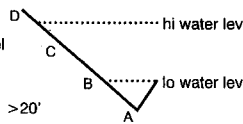
Float Type(s)  %
 %

Slope Direction N.E. Angle 05°




SAMPLE RECORD

STREAM SEDIMENT

Media A B C D 

Matrix clay silt sand gravel

Color 

Stream Width 0'-5' 5'-10' 10'-20' >20'



Stream Volume dry damp stagnant slow moderate fast

Stream Gradient flat shallow moderate steep

Organic Content none minor moderate high

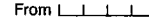

Surface Oxides none FeO MnO Both Other

Outcrop no bedrock bedrock within 100' flows on bedrock


Float Type(s)  %
 %

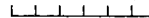
ROCK


Media Grab Chip Channel Cuttings Core Sludge


From  To 

Source Outcrop Float Dump Gossan Vein Fracture Fault

Lithology 

Color  Intensity

Alteration  Lo Mod Hi

Mineralization  Lo Mod Hi

Weathering fresh weak moderate strong saprolite

Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite

Matrix Humus Clay Loam Silty Sand



Color GREEN

Horizon A₀ A₁ A₂ (B) C R

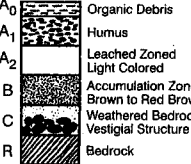
Sample Depth 40 (inches) CM

Moisture dry damp moist wet

Organics none minor moderate high

Float Type(s)  %
 %

Slope Direction E Angle 10°



SAMPLE RECORD

0083

Project Name KLC - SOILS
 Sampler's Initials WSC
 Date 02 08 07 (day/mo/yr)
LOCATION
 Grid N/E _____
 UTM/N/E 6740570 0474644
 Lat./Long. _____
 Line #/Station # _____ 0083 _____
 Elevation _____ (feet) 1035 (meters)
 Sample Type Rock Soil Sediment Standard Blank
 Sample Collection Single Site Composite Sites Duplicate Replicate
 Std./Blank/Dup # _____
 Contamination absent weak moderate strong

VEGETATION

Species Moss
 Organ _____
 Circumference _____
 Slope _____
 Drainage _____
 Outcrop _____
 Other Species SPRUCE

COMMENTS

Location: POST #2 KLC #13 & 14

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: ORGANIC RICH
DARK BROWN SAND, SILT, GRAVEL
& HUMUS.
ORGANICS: 15CM ASH: 5CM
SAMPLE: 20-30CM

SAMPLE RECORD

0084

Project Name _____
 Sampler's Initials _____
 Date _____ (day/mo/yr)
LOCATION
 Grid N/E _____
 UTM/N/E _____
 Lat./Long. _____
 Line #/Station # _____
 Elevation _____ (feet) _____ (meters)
 Sample Type Rock Soil Sediment Standard Blank
 Sample Collection Single Site Composite Sites Duplicate Replicate
 Std./Blank/Dup # _____
 Contamination absent weak moderate strong

VEGETATION

Species _____
 Organ _____
 Circumference _____
 Slope _____
 Drainage _____
 Outcrop _____
 Other Species _____

COMMENTS

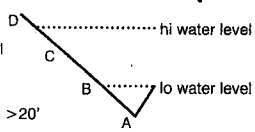
Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

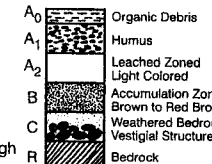


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

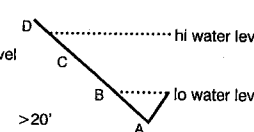
Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color _____
 Horizon A₀ A₁ A₂ B C R
 Sample Depth _____ (inches)
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction _____ Angle _____ °



SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color _____
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

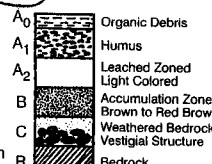


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity _____
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction N/E Angle 15 °



SAMPLE RECORD

0085

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

0086

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

STREAM SEDIMENT

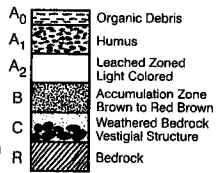
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction _____ Angle _____ °



SAMPLE RECORD

STREAM SEDIMENT

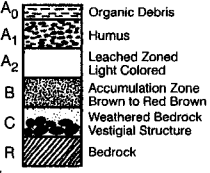
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction _____ Angle _____ °



SAMPLE RECORD

0087

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

0088

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

STREAM SEDIMENT

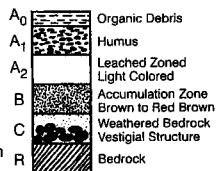
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity _____
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction _____ Angle _____ °



SAMPLE RECORD

STREAM SEDIMENT

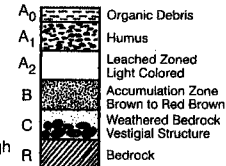
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity _____
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction _____ Angle _____ °



SAMPLE RECORD

0089

Project Name _____

Sampler's Initials _____

Date _____ (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

0090

Project Name KLC - SoilsSampler's Initials LSCDate 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6737780 0473180

Lat./Long. _____

Line #/Station # _____ 0090Elevation _____ (feet) 1131 (meters)Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOWS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

ORG: 10cm ASA: 4cm
 SAMPLE: 30-40
 OUTWASH TILL: TAIN SAND, SILT,
 GRAVEL & MINOR ORGANICS
 ROUNDED COBBLES OF GRANITE &
 GREENSTONE TO 4cm

SAMPLE RECORD

0091

Project Name

KLC - Soils

Sampler's Initials

LSC

Date

08 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2 cm SAMPLE: 20-30cm
 OUTWASH TILL: TAN SAND,
 SILT, GRAVEL & MINOR ORGANICS
 ROUNDED CORIBLES OF GREENSTONE
 TO 10 cm

SAMPLE RECORD

0092

Project Name

KLC - Soils

Sampler's Initials

LSC

Date

08 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 5 cm SAMPLE 25-35

SAMPLE RECORD

0093

Project Name KLC - SoilsSampler's Initials WSCDate 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738360 0473980

Lat./Long. _____

Line #/Station # _____ 0093Elevation _____ (feet) 1043 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm Ash: 10cm
 SAMPLE: 25-35
 OUTWASH TILL: TAN SAND & SILT
 MINOR ORGANICS

SAMPLE RECORD

0094

Project Name KLC - SoilsSampler's Initials WSCDate 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738670 0474200

Lat./Long. _____

Line #/Station # _____ 0094Elevation _____ (feet) 1074 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS

Location: _____

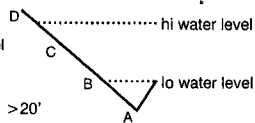
Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm SAMPLE 22-32
 OUTWASH TILL: TAN SAND, SILT
 GRAVEL & MINOR Org.

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

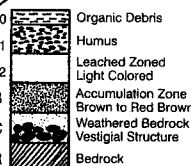


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

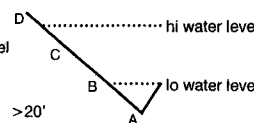
Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ (B) C R
Sample Depth 3.2 (inches) CM
Moisture (dry) damp moist wet
Organics none (minor) moderate high
Float Type(s) _____ %
 _____ %
Slope Direction EAST Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

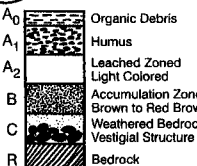


ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ (B) C R
Sample Depth 3.5 (inches) CM
Moisture (dry) damp moist wet
Organics none (minor) moderate high
Float Type(s) _____ %
 _____ %
Slope Direction South Angle 15°



SAMPLE RECORD

0095

Project Name KLC SOILSSampler's Initials WSC
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739160 0474420

Lat./Long. _____

Line #/Station # _____ 0095Elevation _____ (feet) 1119 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINES

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2 cm ASH: 3 cmSAMPLE: 23-33OUTWASH TILL: TAN SAND,
SILT, GRAVEL & MINOR ORGANICS
ROUNDED COBBLES & BOULDERS
OF GRANITE & GREENSTONE

SAMPLE RECORD

0096

Project Name KLC SOILSampler's Initials WSC
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739560 0474640

Lat./Long. _____

Line #/Station # _____ 0096Elevation _____ (feet) 1119 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINES

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 5 cm ASH: 5 cmSAMPLE: 25-35 cmOUTWASH TILL: TAN SAND,
SILT & MINOR ORGANICS.

SAMPLE RECORD

STREAM SEDIMENT

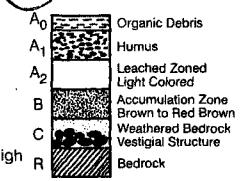
Media A B C D D' hi water level
 Matrix clay silt sand gravel C B A lo water level
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 35 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction EAST Angle 30°



SAMPLE RECORD

STREAM SEDIMENT

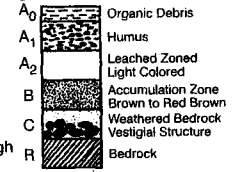
Media A B C D D' hi water level
 Matrix clay silt sand gravel C B A lo water level
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRAVT SIO %
GRAVST SIO %
 Slope Direction SE Angle 15°



SAMPLE RECORD

0097

Project Name KLC - SOILS

Sampler's Initials WJC
Date 08 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739960 0474860
Lat./Long. _____
Line #/Station # _____ 0097
Elevation _____ (feet) 1094 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species PINES

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

ORG: 3 CM ASH: 5 CM
SAMPLE: 25-35 CM
OUTWASH TILL: TAN SAND
SILT, GRAVEL & ORG.

SAMPLE RECORD

0098

Project Name KLC - SOILS

Sampler's Initials WJC
Date 02 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6740375 0475041
Lat./Long. _____
Line #/Station # _____ 0098
Elevation _____ (feet) 1026 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species POPULAR

COMMENTS

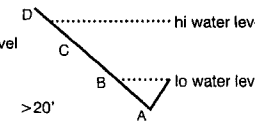



Location: Post #1 KLC # 93 & 94

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)




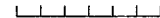


OUTWASH CHANNEL TILL: BROWN
SAND, SILT, GRAVEL & MINOR
ORGANICS.
ORGANICS: 2.5 CM
SAMPLE: 20-30 CM

SAMPLE RECORD



STREAM SEDIMENT

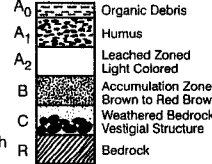
Media A B C D  hi water level
 Matrix clay silt sand gravel C
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Floát Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

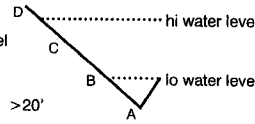
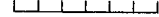
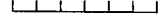
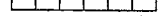
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction S.E. Angle 05°



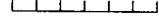
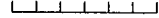
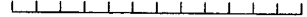



SAMPLE RECORD

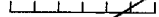

STREAM SEDIMENT

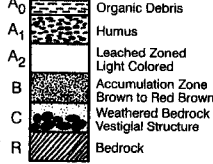
Media A B C D  hi water level
 Matrix clay silt sand gravel C
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Floát Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 35 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction W Angle 10°



SAMPLE RECORD

0099

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

02 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location: 450 m NE of Post #1

KLC # 93

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: TAN SAND,
SILT & GRAVEL

ORGANICS: 5 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

0100

Project Name

KLC - Soils

Sampler's Initials

WSC

Date

01 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location: Post #1; KLC # 81 & 82

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
RUSTY BROWN SAND, SILT &
MINOR ORGANICS

ORGANICS: 2 1/2 cm

ASH: 2 1/2 cm

SAMPLE: 20-30 cm

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color RUSTY
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction EAST Angle 10 °

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction _____ Angle _____ °

SAMPLE RECORD

0101

Project Name KLC - SOILSSampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6742233 0473452

Lat./Long. _____

Line #/Station # _____ 0101

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species POPLARS

COMMENTS

Location: POST #1 KLC #83 & 84**Description:** (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: GREY BROWN CLAY,
SAND, SILT & GRAVEL / MINOR ORGANICS.
ORGANICS: 5CM SAMPLE:
20 - 30 CM

SAMPLE RECORD

0102

Project Name KLC - SOILSSampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6742100 0473761

Lat./Long. _____

Line #/Station # _____ 0102

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUCES

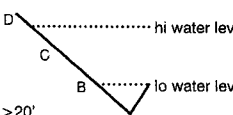

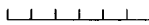
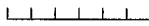
COMMENTS

Location: 100 M NW OF POST #2KLC #83**Description:** (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

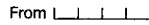
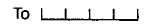
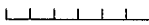
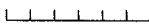
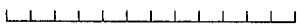
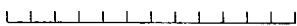
ORGANIC RICH BLACK SILT &
SAND FROM A BOG. SAMPLE
TAKEN @ 25 CM.

SAMPLE RECORD

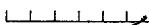
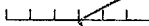
STREAM SEDIMENT

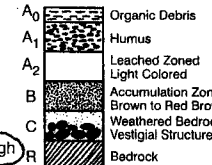
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

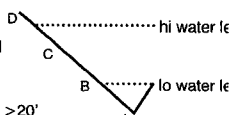
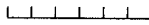
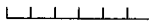
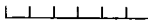
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BLACK
 Horizon A₀ (A₁) A₂ B C R
 Sample Depth 25 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SOUTH Angle 20°

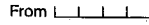
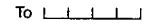
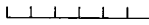
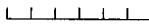
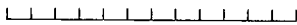
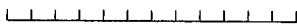


SAMPLE RECORD

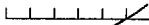

STREAM SEDIMENT

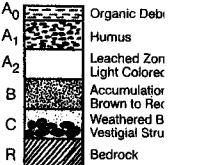
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color GREY-BROWN
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction WEST Angle 20°



SAMPLE RECORD

0103

Project Name KLC - SOILS

Sampler's Initials WSC

Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E _____

Lat./Long. _____

Line #/Station # _____ 0103

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species _____

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species _____

COMMENTS

Location: M. WEST OF POST #1

KLC # 86

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

SAMPLE RECORD

0104

Project Name KLC - SOILS

Sampler's Initials WSC

Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741518 0474687

Lat./Long. _____

Line #/Station # _____ 0104

Elevation _____ (feet) _____ (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species MOSS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUCE

COMMENTS

Location: POST #1 KLC # 87

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN SAND,
SILT, GRAVEL & MODERATE ORGANIC

ORGANICS: 30CM. SAMPLE: 30-40CM

SAMPLE RECORD

STREAM SEDIMENT

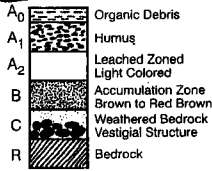
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 40 (inches) cm
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ KOD %
 _____ %
Slope Direction EAST Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

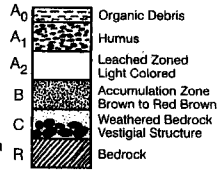
Media A B C D
Matrix clay silt sand gravel
Color _____
Stream Width 0'-5' 5'-10' 10'-20' >20'
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color _____
Horizon A₀ A₁ A₂ B C R
Sample Depth _____ (inches)
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) _____ %
 _____ %
Slope Direction EAST Angle _____°



SAMPLE RECORD

0105

Project Name KLC - SOILS

Sampler's Initials WSC
Date 01 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6741424 0475082
Lat./Long. _____
Line #/Station # _____ 0105
Elevation _____ (feet) 367 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species Willows

COMMENTS

Location: Post #2 KLC #87

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: BROWN, SAND, SILT,
GRAVEL & MINOR ORGANICS

ORGANICS: 25 CM SAMPLE 25-35cm

SAMPLE RECORD

0106

Project Name KLC - SOILS

Sampler's Initials WSC
Date 02 08 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6741200 0475496
Lat./Long. _____
Line #/Station # _____ 0106
Elevation _____ (feet) 930 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species Moss
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species SPRUCE

COMMENTS

Location: Post #2 KLC #88

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: DARK BROWN
ASH, HUMUS, SAND & SILT.

ORGANICS: 20 CM SAMPLE: 20-30
CM

SAMPLE RECORD

STREAM SEDIMENT

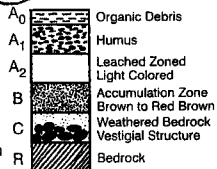
Media A B C D D hi water level
Matrix clay silt sand gravel C
Color B lo water level
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) %
 %
Slope Direction SOUTH Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

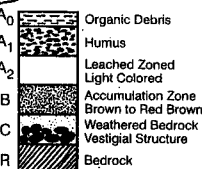
Media A B C D D hi water level
Matrix clay silt sand gravel C
Color B lo water level
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology
Color Intensity
Alteration Lo Mod Hi
Mineralization Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color BROWN
Horizon A₀ A₁ A₂ B C R
Sample Depth 35 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) GRAWITE 50 %
GRAWITE 50 %
Slope Direction SOUTH Angle 10°



SAMPLE RECORD

0107

Project Name KLC - SOILSSampler's Initials DSCDate 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740967 0475913

Lat./Long. _____

Line #/Station # _____ 0107Elevation _____ (feet) 881M (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINE

COMMENTS

Location: Post #2 KLC # 89

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL
TAN SAND, SILT, GRAVEL
MINOR ORGANICS

Org: 10cm

SAMPLE: 20-30cm

SAMPLE RECORD

0108

Project Name KLC - SOILSSampler's Initials DSCDate 02 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740789 0476292

Lat./Long. _____

Line #/Station # _____ 0108Elevation _____ (feet) 857 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species SPRUCE

COMMENTS

Location: Post #1 KLC # 91

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: TAN SAND,
SILT & GRAVEL
ORGANICS: 2.5cm
SAMPLE: 20-30cm

SAMPLE RECORD

0109

Project Name

KLC - SOILS

Sampler's Initials

WSS

Date

02 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

SPRUCE

COMMENTS

Location:

Post #1 KLC #92

S.E. SIDE OF A BOG

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: GREY SAND,

SILT & HUMUS

ORGANICS: 20 CM

SAMPLE: 20-30 CM

SAMPLE RECORD

0110

Project Name

KLC - SOILS

Sampler's Initials

WSS

Date

02 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

PINES

COMMENTS

Location:

Post #2 KLC #92

TOP OF RIDGE

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)OUTWASH TILL: TAN SAND,
SILT, GRAVEL & ORGANICS

ORGANICS: 2.5 CM

SAMPLE: 20-30 CM

SAMPLE RECORD

STREAM SEDIMENT

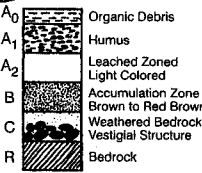
Media A B C D D hi water level
 Matrix clay silt sand gravel C
 Color B lo water level
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxidés none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction NORTH Angle 10°



SAMPLE RECORD

STREAM SEDIMENT

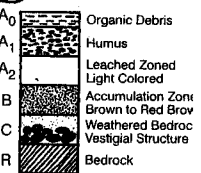
Media A B C D D hi water level
 Matrix clay silt sand gravel C
 Color B lo water level
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxidés none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color GRAY
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction N.W Angle 10°



SAMPLE RECORD

0111

Project Name

KLC - Soils

Sampler's Initials

WJC

Date

03 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet)

1082 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

 absent weak moderate strong

VEGETATION

Species

GRASS

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

PINES

COMMENTS

Location:

300 m NW of Post #2

KLC #31

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

BROWN SILTY SAND, GRAVEL

MINOR ORGANICS

ANGULAR QTZ DIORITE

OUTCROP

Orig: 2 1/2 cm SAMPLE 12-22 cm

SAMPLE RECORD

0112

Project Name

KLC - Soils

Sampler's Initials

WJC

Date

03 08 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet)

1059 (meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

WILLOWS

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

SPRUCE

COMMENTS

Location:

200 m NW of Post #2

KLC #32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL

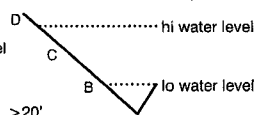
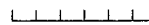

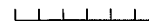
ASH 15 cm

Org: 15 cm



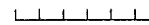
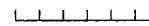
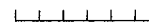
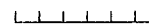
SAMPLE: 30-40 cm

SAMPLE RECORD

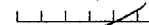
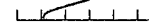
STREAM SEDIMENT

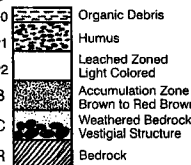
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

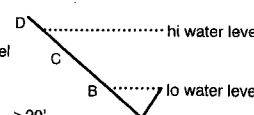


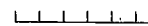
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 40 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SE Angle 25°



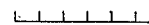
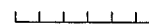
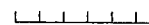



SAMPLE RECORD


STREAM SEDIMENT

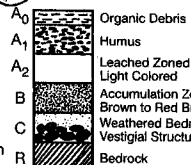
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

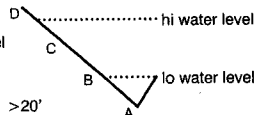
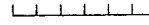
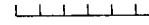
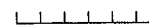
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ (B) C R
 Sample Depth 23 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
GRANITE 100 %
 Slope Direction SE Angle 30°


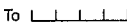

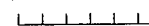




SAMPLE RECORD

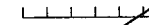
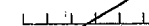
STREAM SEDIMENT

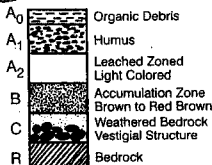
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

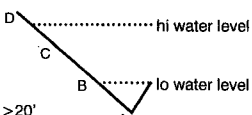
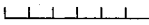
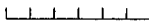

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 25 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction NW Angle 10°









SAMPLE RECORD

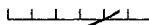

STREAM SEDIMENT

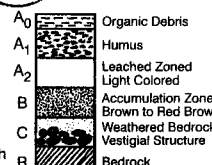
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction EAST Angle 10°



SAMPLE RECORD

0115

Project Name KLC - SoilsSampler's Initials WSC
Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741351 0474207

Lat./Long. _____

Line #/Station # _____ 0115Elevation _____ (feet) 1033 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species Willow

COMMENTS

Location: 200 m SE of Post #2KLC #32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILL: TAN SAND, SILT,
GRAVEL / MINOR ORGANICS
MnO₂ STAINED COBBLES OF
GRANITE & GNEISSOrg: 10cm SAMPLE: 20-30cm

SAMPLE RECORD

0116

Project Name KLC - SoilsSampler's Initials WSC
Date 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741298 0474291

Lat./Long. _____

Line #/Station # _____ 0116Elevation _____ (feet) 1031 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species LAB-TEA

COMMENTS

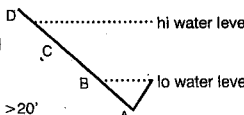


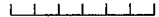
Location: 300 m SE of Post #2KLC #32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)







OUTWASH TILL
GREY SAND, SILT & GRAVELOrg: 2 1/2 cm SAMPLE 12-22 cm

SAMPLE RECORD



STREAM SEDIMENT

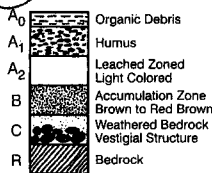
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

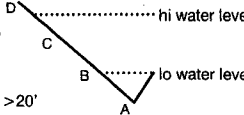

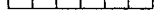
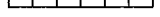
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction EAST Angle 10°

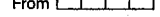


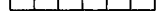

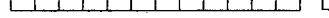


SAMPLE RECORD

STREAM SEDIMENT

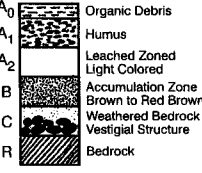
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) GRNT 50 %
GRNT 50 %
 Slope Direction N.E. Angle 10°



SAMPLE RECORD

0117

Project Name KLC - SoilsSampler's Initials WSCDate 03 08 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6741236 0474367

Lat./Long. _____

Line #/Station # _____ 0117Elevation _____ (feet) 1031 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species Moss

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

Location: 400 m SE of Post #2KLC #32

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

OUTWASH TILLTAN SAND, SILT, GRAVEL & HUMUSOrg: 20cmSAMPLES: 20-30

SAMPLE RECORD

0118

Project Name KLC - SoilsSampler's Initials WSCDate 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738540 0474580

Lat./Long. _____

Line #/Station # _____ 0118Elevation _____ (feet) 1029 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species Moss

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cmSAMPLE: 22-32OUTWASH TILL; TAN SAND, SILT, GRAVEL & ORGANICSROUNDED COBBLES OF GRANITE & GNEISS TO 10cmSOUTH EDGE OF RIDGE TOP

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D hi water level
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color tan
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) quartz 50 %
greenst 50 %
 Slope Direction South Angle 20 °

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D hi water level
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt sand
 Color tan
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 40 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction NE Angle 10 °

SAMPLE RECORD

0119

Project Name KLC-Soils

Sampler's Initials WJL
Date 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6738940 0474800
Lat./Long. _____
Line #/Station # _____ 0119
Elevation _____ (feet) 1022 (meters)

Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species GRASS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Orig: 3cm Ash: 10cm Sample: 22-32

OUTWASH TILL: TAN SAND, SILT,
GRAVEL & MINOR ORGANICS.

SAMPLE RECORD

0120

Project Name KLC-Soils

Sampler's Initials WJL
Date 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739340 0475020
Lat./Long. _____
Line #/Station # _____ 0120
Elevation _____ (feet) 1032 (meters)

Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species MOSS

COMMENTS

Location: _____

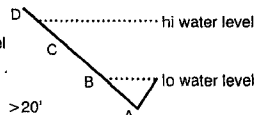
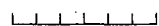
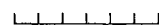

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Orig: 2cm Sample: 22-32cm

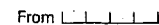

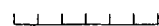
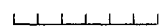


OUTWASH TILL: TAN SAND, SILT
& ORGANICS
ON EAST SIDE OF RIDGE TOP

SAMPLE RECORD



STREAM SEDIMENT

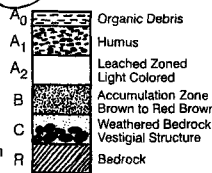
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

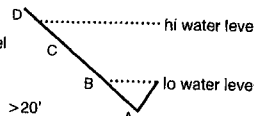
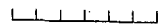
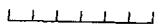
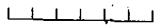
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction S Angle 10°


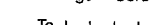

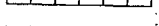
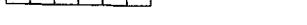
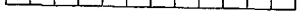


SAMPLE RECORD

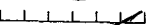
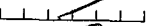
STREAM SEDIMENT

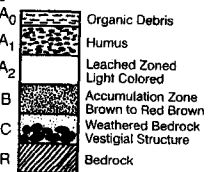
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SOUTH Angle 10°



SAMPLE RECORD

0121

Project Name KLC - Soils

Sampler's Initials WSC
Date 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6239240 0475240

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 989 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PLANTS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm Ash: 4cm Sample: 22-32cm
OUTWASH TILL: DARK GREY; SAND,
SILT & ORGANICS
BOTTOM OF OLD OUTWASH
CHANNEL

SAMPLE RECORD

0122

Project Name KLC - Soils

Sampler's Initials WSC
Date 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6240140 0475460

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 988 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS



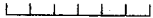
Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)







Org: 2cm Sample: 22-32
ASH: 4cm
OUTWASH TILL: BROWN SAND,
SILT & MINOR ORGANICS

SAMPLE RECORD



STREAM SEDIMENT

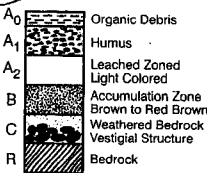
Media A B C D
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

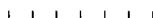


SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SOUTH Angle 110°





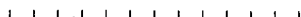
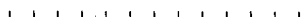


SAMPLE RECORD



STREAM SEDIMENT

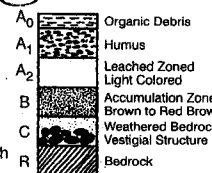
Media A B C D
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color GRAY
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction SW Angle 05°



SAMPLE RECORD

0123

Project Name KLC - Soils

Sampler's Initials WSC

Date 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740540 0475680

Lat./Long. _____

Line #/Station # _____ 0123

Elevation _____ (feet) 9.66 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GRASS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm Sample: 22-32
 OUTWASH TILL: TAN SAND,
 SILT, GRAVEL & ORGANICS

SAMPLE RECORD

0124

Project Name KLC - Soils

Sampler's Initials WSC

Date 11 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740340 0476080

Lat./Long. _____

Line #/Station # _____ 0124

Elevation _____ (feet) 8.11 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm ASH: 8cm
 SAMPLE: 22-32cm
 OUTWASH TILL: TAN SAND,
 SILT, GRAVEL & ORGANICS
 ROUNDED COBBLES OF GRANITE &
 GREENSTONE TO 10cm

SAMPLE RECORD

STREAM SEDIMENT

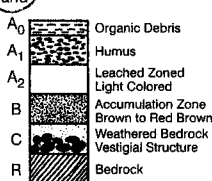
Media A B C D hi water level
 Matrix clay silt sand gravel C
 Color _____ B lo water level
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) quartz 50 %
quartz 50 %
 Slope Direction SE Angle 10



SAMPLE RECORD

STREAM SEDIMENT

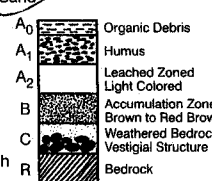
Media A B C D hi water level
 Matrix clay silt sand gravel C
 Color _____ B lo water level
 Stream Width 0'-5' 5'-10' 10'-20' >20' A
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology _____
 Color _____ Intensity
 Alteration _____ Lo Mod Hi
 Mineralization _____ Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) _____ %
 _____ %
 Slope Direction EAST Angle 10



SAMPLE RECORD

0125

Project Name KLC - SOILS

Sampler's Initials WSC
Date 11 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739940 0475860
Lat./Long. _____
Line #/Station # _____ 0125
Elevation _____ (feet) 925 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species MOSS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 1 cm Ash: 4 cm
SAMPLE: 21-31 cm
OUTWASH TILL: TAN SAND,
SILT, GRAVEL & ORGANICS
ROUNDED BOULDERS OF GRANODIORITE
TO 1 m.

SAMPLE RECORD

0126

Project Name KLC - SOILS

Sampler's Initials WSC
Date 11 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739540 0475640
Lat./Long. _____
Line #/Station # _____ 0126
Elevation _____ (feet) 960 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species MOSS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 4 cm Ash: 4 cm
SAMPLE: 24-34 cm
OUTWASH TILL: TAN-BROWN
SAND, SILT, GRAVEL & ORG
ROUNDED COBBLES OF GRANITE
TO 4 cm

SAMPLE RECORD

STREAM SEDIMENT

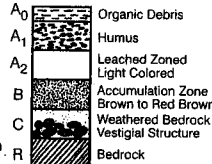
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 34 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 100 %
 %
 Slope Direction EAST Angle 25°



SAMPLE RECORD

STREAM SEDIMENT

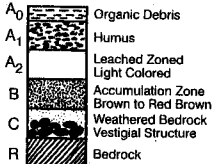
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 32 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 100 %
 %
 Slope Direction SOUTH Angle 10°



SAMPLE RECORD

0127

Project Name KLC - SOILSSampler's Initials WGLDate 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739140 0476420

Lat./Long. _____

Line #/Station # _____ 0127Elevation _____ (feet) 977 (meters)Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PIINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2 cm SAMPLE 22-32 cmOUTWASH TILL: BROWN SAND, SILT,
GRAVEL & MINOR ORGANICS

SAMPLE RECORD

0128

Project Name KLC - SOILSSampler's Initials WSCDate 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738740 0475200

Lat./Long. _____

Line #/Station # _____ 0128Elevation _____ (feet) 965 (meters)Sample Type Rock Soil Sediment Standard BlankSample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PIINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species GLASS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 1 cm SAMPLE: 20-30cmOUTWASH TILL: TAN SAND,
SILT, GRAVEL & ORGANICS
RIDGE TOP: ROUNDED COBBLES
OF GRANITE & GREENSTONE

SAMPLE RECORD

0129

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

09 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

0129; 1cm SAMPLE: 21-31cm

OUTWASH TILL; TAN SAND, SILT
GRAVEL & MINOR ONQ.

Top of Ridge

SAMPLE RECORD

0130

Project Name

KLC - SOILS

Sampler's Initials

WSC

Date

09 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

COMMENTS

Location:

Post # 2 KLC #99 & 100

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

0130; 2cm SAMPLE: 20-30cm

OUTWASH TILL; TAN SAND, SILT,
GRAVEL & MINOR ONQ.

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 30 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 50 %
GREENST 50 %
 Slope Direction SOUTH Angle 15°

SAMPLE RECORD

STREAM SEDIMENT

Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 31 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) %
 %
 Slope Direction SOUTH Angle 05°

SAMPLE RECORD

0131

Project Name KLC - SoilsSampler's Initials WSCDate 09 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6738960 0475800

Lat./Long. _____

Line #/Station # _____ 0131Elevation _____ (feet) 929 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species GRASS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species PINES

COMMENTS

Location: Post # 1 KLC #99 & 100

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 1 cm Sample 20-30cmOUTWASH TILL; TAN SAND, SILT,
GRAVEL & ORGANICSRIDGE TOP: ROUNDED GRANITE &
GREENSTONE BOULDERS TO 1m.

SAMPLE RECORD

0132

Project Name KLC - SoilsSampler's Initials WSCDate 11 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739360 0476020

Lat./Long. _____

Line #/Station # _____ 0132Elevation _____ (feet) 948 (meters)Sample Type Rock Soil Sediment Standard Blank Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species Moss

COMMENTS

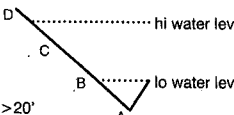
Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 2cm Ash: 6cmSAMPLE: 22-32cmOUTWASH TILL; TAN SAND,
SILT, GRAVEL & ORGANICS.ROUNDED COBBLES OF QUANT 5cm

SAMPLE RECORD

STREAM SEDIMENT

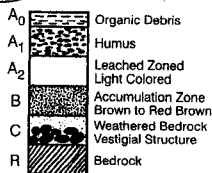
Media A B C D  hi water level
Matrix clay silt sand gravel C
Color _____ B lo water level
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

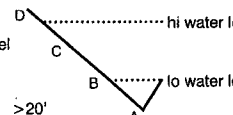
SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ B C R
Sample Depth 32 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ 100 %
 _____ %
Slope Direction EAST Angle 35°



SAMPLE RECORD

STREAM SEDIMENT

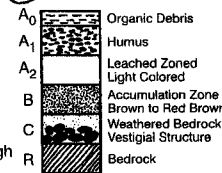
Media A B C D  hi water level
Matrix clay silt sand gravel C
Color _____ B lo water level
Stream Width 0'-5' 5'-10' 10'-20' >20' A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s) _____ %
 _____ %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From _____ To _____
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology _____
Color _____ Intensity
Alteration _____ Lo Mod Hi
Mineralization _____ Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color TAN
Horizon A₀ A₁ A₂ B C R
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) QUARTZ 50 %
 _____ %
Slope Direction SOUTH Angle 25°



SAMPLE RECORD

0133

Project Name KLC- SOILS

Sampler's Initials WSC

Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6739760 0476240

Lat./Long. _____

Line #/Station # _____ 0133

Elevation _____ (feet) 895 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PLAINS

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Orig: 3 cm SAMPLE: 23-33 cm
 OUTWASH TILL: TAIN SAND,
 SILT, GRAVEL & ORGANICS
 ROUNDED GRANITE FLOAT
 TO 1 METER

SAMPLE RECORD

0134

Project Name KLC- SOILS

Sampler's Initials WSC

Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 6740160 0476460

Lat./Long. _____

Line #/Station # _____ 0134

Elevation _____ (feet) 868 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINES

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species MOSS

COMMENTS

Location:

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Orig: 3 cm SAMPLE: 23-33
 OUTWASH TILL: BROWN SAND,
 SILT, GRAVEL & ORG.
 FLOAT BOULDERS OF GRANITE
 TO 1 METER

SAMPLE RECORD

STREAM SEDIMENT

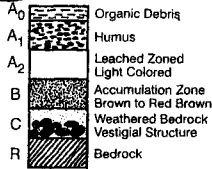
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color Brown
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 100 %
 %
 Slope Direction S E Angle 15°



SAMPLE RECORD

STREAM SEDIMENT

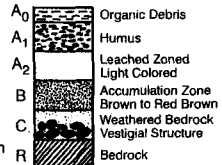
Media A B C D
 Matrix clay silt sand gravel
 Color
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s) %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From To
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology
 Color Intensity
 Alteration Lo Mod Hi
 Mineralization Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s) QUARTZ 100 %
 %
 Slope Direction N E Angle 05°



SAMPLE RECORD

0135

Project Name KLC - Soils

Sampler's Initials WSC
Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739940 0476860
Lat./Long. _____
Line #/Station # _____ 0135
Elevation _____ (feet) 845 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species Moss

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm SAMPLE 23-33cm
OUTWASH TILL: BROWN SAND,
SILT & MINOR ORG.

SAMPLE RECORD

0136

Project Name KLC - Soils

Sampler's Initials WSC
Date 12 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6739540 0476690
Lat./Long. _____
Line #/Station # _____ 0136
Elevation _____ (feet) 868 (meters)
Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species Moss

COMMENTS

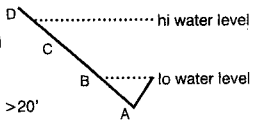
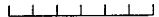

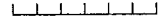
Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

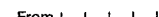
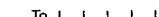

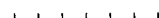


Org: 3cm SAMPLE: 23-33cm
OUTWASH TILL: TAN SAND,
SILT & GRAVEL / MINOR ORG.

SAMPLE RECORD



STREAM SEDIMENT

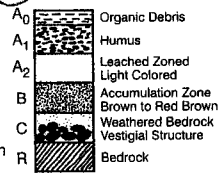
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

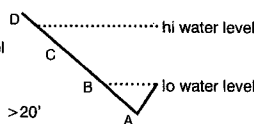
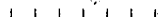


SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color TAN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high R
 Float Type(s)  %
 %
 Slope Direction SE Angle 05°









SAMPLE RECORD



STREAM SEDIMENT

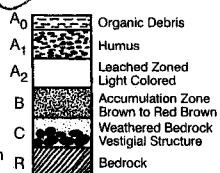
Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color BROWN
 Horizon A₀ A₁ A₂ B C R
 Sample Depth 33 (inches) CM
 Moisture dry damp moist wet
 Organics none minor moderate high R
 Float Type(s)  %
 %
 Slope Direction NORTH Angle 10°



SAMPLE RECORD

0137

Project Name KLC - Soils

Sampler's Initials WSC
Date 11 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6789140 0476420
Lat./Long. _____
Line #/Station # _____ 0137
Elevation _____ (feet) 895 (meters)

Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species PINES
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species MOSS

COMMENTS

Location: _____

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm ASH: 6cm
Sample: 22-32 cm
OUTWASH TILL: BROWN
SAND, SILT, GRAVEL & ORG.

SAMPLE RECORD

0138

Project Name KLC - Soils

Sampler's Initials WSC
Date 06 09 07 (day/mo/yr)

LOCATION

Grid N/E _____
UTM/N/E 6743340 0471420
Lat./Long. _____
Line #/Station # _____ 0138
Elevation _____ (feet) 995 (meters)

Sample Type Rock Soil Sediment Standard Blank
Sample Collection Single Site Composite Sites Duplicate Replicate
Std./Blank/Dup # _____
Contamination absent weak moderate strong

VEGETATION

Species MOSS
Organ _____
Circumference _____
Slope _____
Drainage _____
Outcrop _____
Other Species PINES

COMMENTS

Location: Post #1 KLC # 101-10

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 3cm ASH: 4cm
OUTWASH TILL: Rusty SILT
SAND, GRAVEL / MINOR ORG.

SAMPLE RECORD

0139

Project Name

KLC - Soils

Sampler's Initials

WJL

Date

06 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet)

(meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

 absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

Moss

COMMENTS

Location:

Post # 2 KLC # 102

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

Org: 25cm SAMPLE: 45cm
 OUTWASH Till: grey silt &
 GRAVEL / MINOR ORGANICS

SAMPLE RECORD

0140

Project Name

KLC - Soils

Sampler's Initials

WJL

Date

06 09 07 (day/mo/yr)

LOCATION

Grid N/E

UTM/N/E

Lat./Long.

Line #/Station #

Elevation

(feet)

(meters)

Sample Type

Rock Soil Sediment Standard Blank

Sample Collection

 Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup #

Contamination

 absent weak moderate strong

VEGETATION

Species

Organ

Circumference

Slope

Drainage

Outcrop

Other Species

WILLOWS

COMMENTS

Location:

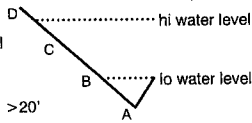
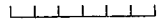
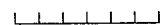
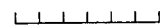
Post # 2 KLC # 103

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)


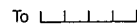




Org: 25cm
 OUTWASH Till: grey silt

SAMPLE RECORD



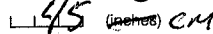


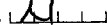

STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

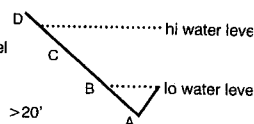
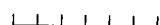


Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL







Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color  
 Horizon A₀ A₁ A₂ B C R
 Sample Depth  45 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction  Angle  10°

SAMPLE RECORD


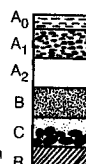
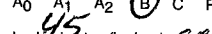

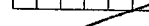


STREAM SEDIMENT

Media A B C D  hi water level
 Matrix clay silt sand gravel
 Color 
 Stream Width 0'-5' 5'-10' 10'-20' >20'
 Stream Volume dry damp stagnant slow moderate fast
 Stream Gradient flat shallow moderate steep
 Organic Content none minor moderate high
 Surface Oxides none FeO MnO Both Other
 Outcrop no bedrock bedrock within 100' flows on bedrock
 Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
 Source Outcrop Float Dump Gossan Vein Fracture Fault
 Lithology 
 Color  Intensity
 Alteration  Lo Mod Hi
 Mineralization  Lo Mod Hi
 Weathering fresh weak moderate strong saprolite
 Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
 Matrix Humus Clay Loam Silt Sand
 Color  
 Horizon A₀ A₁ A₂ B C R
 Sample Depth  45 (inches) cm
 Moisture dry damp moist wet
 Organics none minor moderate high
 Float Type(s)  %
 %
 Slope Direction  Angle  20°

SAMPLE RECORD

U141

Project Name KLC - Soils

Sampler's Initials WSC
 Date 06 09 07 (day/mo/yr)

LOCATION

Grid N/E _____

UTM/N/E 674268.0 047268.0

Lat./Long. _____

Line #/Station # _____

Elevation _____ (feet) 1058 (meters)

Sample Type Rock Soil Sediment Standard Blank

Sample Collection Single Site Composite Sites Duplicate Replicate

Std./Blank/Dup # _____

Contamination absent weak moderate strong

VEGETATION

Species PINE

Organ _____

Circumference _____

Slope _____

Drainage _____

Outcrop _____

Other Species WILLOW

COMMENTS

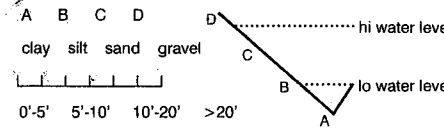
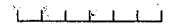
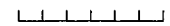
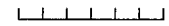
Location: Post # 1 KLC # 107 & 108

Description: (Lithology, Mineralization, Alteration, Structure, Contamination, etc.)

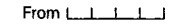
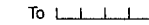
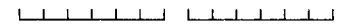
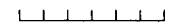
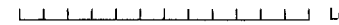
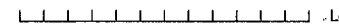
ORG: 2 cm ASH: 10cm
OUTWASH TILL: TAN SAND, SILT
GRAVEL / MINOR ORGANICS.

SAMPLE RECORD

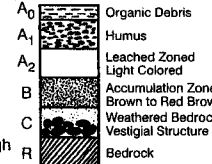
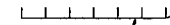
STREAM SEDIMENT

Media A B C D  hi water level
Matrix clay silt sand gravel C
Color 
Stream Width 0'-5' 5'-10' 10'-20' >20' B A
Stream Volume dry damp stagnant slow moderate fast
Stream Gradient flat shallow moderate steep
Organic Content none minor moderate high
Surface Oxides none FeO MnO Both Other
Outcrop no bedrock bedrock within 100' flows on bedrock
Float Type(s)  %
 %

ROCK

Media Grab Chip Channel Cuttings Core Sludge
 From  To 
Source Outcrop Float Dump Gossan Vein Fracture Fault
Lithology 
Color  Intensity
Alteration  Lo Mod Hi
Mineralization  Lo Mod Hi
Weathering fresh weak moderate strong saprolite
Fracturing none minor moderate high breccia

SOIL

Media Residual Colluvial Alluvial Till Regolith Saprolite
Matrix Humus Clay Loam Silt Sand
Color tan
Horizon A₀ A₁ A₂ B C R 
Sample Depth 30 (inches) CM
Moisture dry damp moist wet
Organics none minor moderate high
Float Type(s) quartz 100 %
 %
Slope Direction NW Angle 10 °

July 30/07 KLC. MMI SURVEY

IUAN & I TAGGED POSTS &
PROSPECTED FOR OUTCROP ON

KLC #81 - 92

ABUNDANT OUTCROPS OF
CHRONICALLY ALTERED DIORITE
ON KLC #81, 82, 83 & 84

July 31/07 KLC - MMI SURVEY

IUAN & I PROSPECTED & TAG-
GED CLAIM POSTS ON KLC #93
TO KLC #100

NO OUTCROP FOUND

Aug 1/07 KLC - MMI

JUAN & I SAMPLED THE CLAIM
CORNERS BETWEEN COMMON LINE
65-80 & 49-64

TRAVERSED SE FOR 2 SAMPLES

TRAVERSED TO TRM 81-99
COMMON LINE

POST #1 KLC #81 & 82

SAMPLE #0100 TAKEN @ 20-30cm

6742464 N / 0473023 E

OUTWASH TILL

2 1/2 cm ORGANICS

" " ASH

RUSTY BROWN SILT, SAND, MINOR
ORGANICS

EAST SLOPE 10°

POST #1 KLC #83 & 84

SAMPLE #0101 TAKEN @ 25-45 cm

6742233 N / 0473452 E

OUTWASH TILL - Org: 5 cm ^{grey} BROWN
CLAY SAND, SILT, GRAVEL & MINOR ORGANICS

WEST SLOPE 20°

Aug 1/07

KLC - MMI

SAMPLE #0102 TAKEN @ 20+cm

6742100 N / 0473761 E

ORGANIC RICH SILT FROM BOG
100 METERS NW OF POST #2 KLC
#83

SAMPLE #0103 No SAMPLE
SWAMP

POST #1 KLC #87

SAMPLE #0104 TAKEN @ 30-40cm

6741518 N / 04741687 E

Org: 30cm

BROWN SILT SAND GRAVEL

EAST SLOPE 10°

SAMPLE #0105 TAKEN @ POST #2
OF KLC #87

6741424 N. 0475082 E 367m

Org: 25cm SAMPLE 25-35cm

OUTWASH TILL - BROWN SAND, SILT
GRAVEL & MINOR ORGANICS

SLOPE - SOUTH 10°

FIELD

Aug 2/07 KLC - MMI

SAMPLE # 0106 TAKEN @ Post #

KLC # 93 @ 30-40 cm

2 cm

83

8.13 ELE 1035 M

6740570 N / 0474644 E

OUTWASH TILL DARK BROWN SAND,

GRAVEL SILT & Humus. Org: 15 cm Ash: 5 cm

SAMPLE: 20-30 cm

SLOPE: NE 15°

Aug 2/07

KLC - MMI SOILS

SAMPLE # 0098 TAKEN @ POST # 1 KLC

93 & 94. ELE: 1026

6740375 N / 0475041 E

OUTWASH CHANNEL TILL

BROWN SAND, SILT GRAVEL & MINOR

ORGANICS. Org: 2.5 cm

SAMPLE: 20-30 cm

SLOPE SE @ 5°

SAMPLE # 0099 TAKEN 450 m

NE OF POST # 1 KLC # 93

6740745 N / 0475206 E: 995 m

Org: 5 cm SAMPLE: 20-30 cm

TAN SILT & SAND / OUTWASH TILL

SLOPE NE @ 10°

SAMPLE # 0108 TAKEN @ POST # 1

KLC # 91 ELE: 857 m.

6740789 - 0476292 E

OUTWASH TILL: Org: 2.5 cm

SAMPLE: 20-30 cm

TAN SAND & SILT / MINOR ORGANIC

SLOPE: SE @ 15°

FIELD

SAMPLE # 0109 TAKEN @ Post #1
KLC # 92. ELE: 830 M.
6740596 N / 0476723 E.

OUTWASH TILL ON SE SIDE
OF BOG

GREY SILT, SAND & MINOR
ORGANICS

SLOPE: NW @ 10°

SAMPLE # 0110 TAKEN @ Post #2
KLC # 92 ELE: 861 M
6740386 N / 0477129 E

OUTWASH TILL ON RIDGE TOP
2 1/2 CM / ORGANICS

TAN SAND, SILT, GRAVEL / MINOR
ORGANICS

SLOPE NORTH @ 10°

Aug 3 / 07 KLC - MMTI

JUAN & I CONTINUED MMTI SURVEY

TOOK ROCK SAMPLE # 0024-R
FROM OUTCROP BELOW THE HEM
ATITE PROPOLYTIC ZONE ON KLC
#32 ELE: 1075 M.

0473810 E / 6741578 N
284 M NW OF POST #2 KLC #32

Aug 4/07 KLC Rocks

Ivan Elash & I brought Karen Peltier & Jessie Duke to KLC to orient Karen & Jessie to the property & known showings.

After we prospected the blast pits south of King Lake we traversed up to the propolytic alteration west of the lake.

We discovered 12 new mineralized showings #24-R to #35-R

These showings were blast pitted to expose quartz vein stock works in highly altered diorite porphyry.

Aug 5/07 KLC Rocks

Ivan & I prospected the quartz stockwork area.

Karen & Jessie went to the top of KLC to start mapping the outcrops.

Ivan took sample #0035-R from a hematite rich Qtz vein

Sample #0036-R is chipped along a small Qtz veinlet stock work visible chalcopurite in the quartz & the host diorite

Sample #0037-R is hematite rich chloritically altered diorite

Sample #0038-R is mostly hematite from down slope of last location

FIELD

Aug 25/07 → KLC - ROCKS

SAMPLE # 0039 IS MALACHITE
STAINED CLORITE RICH DIONITE
S F OF HEMATITE ZONE.

SAMPLE # 0040 IS MALACHITE
& CHALCOPHYRITE IN QTC VEIN
30 METERS BELOW SAMPLE #
0028 NO SAMPLE TAKEN.

I LOCATED ALL THE NEW
SHOWINGS WITH GPS WAYPOINTS.

I PHOTOGRAPHED ALL THE PITS
& SAMPLE SITES.

I IVAN & I RETURNED TO
TOWN @ 6: PM

Aug 30/07 | KLC STAKING

I IVAN & I STAKED KLC # 101-
KLC # 108

SEPT 6/07 KLC SOILS

IUAN & I - SAMPLED SOILS ON
KLC

SEPT 7/07 KLC SOIL SAMPLING

SEPT 8/07 KLC SOIL SAMPLING

SEPT 9/07 KLC SOIL SAMPLING

SEPT 10/07 GOV. GIRD'S SITE
VISIT BOND, MURPHY, PELETIER &
TRAYNOR KLC CU SHOWINGS.

SEPT 11/07 KLC SOIL SAMPLING

SEPT 12/07 KLC SOIL SAMPLING
STAKE IBEX #1 & 2 SAMPLE 0029
TAKEN @ POST #1 IBEX #1 & 2

SAMPLE R33 - I TAKEN 85M NE
OF POST #1 IBEX #1

SAMPLE IS DARK GREEN DIOXIDE
WITH CHROMITE? ON THE FRAGMENTS.

SEPT 12/07 KLC-SOILS

I STAKED IBEX #1 & 2 TO COVER
OLD MINFILE CU SHOWING SW
OF KLC CLAIMS 2: PM
SAMPLE #0030 ~~TAKEN~~ @ POST #2
IBEX #1

SEPT 13/07 DAY OFF

SEPT 14/07 KLC - ROCKS

IUAN & I PROSPECTED THE NEW
SHOWING AREA.
SAMPLE R34 - KLC TAKEN FROM
HEMATITE/QUANTZ BRETCHA

SAMPLE R35 - KLC TAKEN FROM
HEMATITE BRETCHA

SEPT. 18/07 KLC - MAPPING

IUAN & KAREN PELETIER PROSPECTED
& MAPPED NEW SHOWING AREA.

SEPT. 20/07 KLC - MAPPING

KAREN P., IVAN E. & I PROSPECTED
THE NORTH EAST END OF THE BLOCK
N OF KING LAKE LOOKING FOR THE
CONTACTS WITH INTRUSIVE & TUFF.

HEMATITE BLETCHA ZONE FOUND
ON EAST SIDE OF KLC #81

SEPT 22/07 KLC - STAKING

IVAN & I STAKED KLC #121 - #132

SEPT 23/07 KLC - STAKING

IVAN & I STAKED KLC #109 - #120

OCT. 2/07 KLC - PROSPECTING

I TOOK REP. FROM YUKON NEVADA
GOLD CORP. TO KLC

SEPT 15 - 17/07 KLC - SAMPLING

IVAN & I CHANNEL SAMPLED
THE NEW SHOULDER WITH A ROCK
SAW, HAMMER & CHISEL

OCT. 3/07 - KLC - RAUNCHERIA

IVAN & I PACKAGED & SHIPPED
ROCK & SOIL SAMPLES TO ACME
LABS IN VANCOUVER & SOILS TO
SGS CANADA IN TORONTO