Report on Rock Geo-Chemistry
For

The Bird Property
Summer of 2013

By
Tom Kennedy

NTS
930F65
UTM Co-Ordinates:
359592E, 5943029

August 2013

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BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Rock Geochemistry **TOTAL COST:** $7172.00

AUTHOR(S): Tom Kennedy **SIGNATURE(S):** Tom Kennedy

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event No. 5458455

PROPERTY NAME: Bird Group

CLAIM NAME(S) (on which the work was done): 67266, 672683, 751282, 845105

COMMODITIES SOUGHT: Copper and Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Omineca **NTS/BCGS:** 930F65

LATITUDE: 53 ° 37 ' 2 " **LONGITUDE:** 125 ° 7 ' 21 " **(at centre of work)**

OWNER(S):
1) Kootenay Silver Inc. 2)

MAILING ADDRESS:
Suite 1820-1055 W. Hastings St.
Vancouver, BC V6E 2E9

OPERATOR(S) [who paid for the work]:
1) Kootenay Silver Inc. 2)

MAILING ADDRESS:
Suite 1820-1055 W. Hastings St.
Vancouver, BC V6E 2E9

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Eocene Ootsa Lake formation,Jurassic Hazleton group andesite volcanic and chert pebble conglomerate, chalcopyrite disseminations and fracturing

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	55 samples Multi-Element ICP with Au ppb	672663,672683,751282,845105	$7172.00
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$7172.00

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

1:00 SUMMARY

During the beginning part of July of 2013 a total of four days were spent on the Bird property gathering rock samples in an attempt to further define and delineate the presence of copper and gold mineralization on the claim group. A total of 52 samples were collected on the property and the results obtained are discussed in more detail below.

2.00 INTRODUCTION

This report describes the results of a Rock geochemistry program conducted on the BIRD group of mineral claims during the summer of 2013.

2.10 Location and Access

The BIRD GROUP of claims is located in the Omineca Mining division of central BC (NTS 093F065) and is centered roughly at UTM Co-Ordinates 359592E and 5943029N (Fig.1) Access to the property is gained from taking the Holy Cross Haul Road to the junction with the Marilla logging haul road and proceeding approximately 11km west to a series of spur roads which directly access various portions of the property. The Holy Cross haul road breaks off to the west from Highway 16 approximately 10km southeast the community Fraser Lake.

2.20 Property

The BIRD Claim group consists of 4 mineral tenures 672663, 672683, and 751282 and 845105(Figure 2) owned by Kootenay Silver Inc of Vancouver BC.

2.30 Physiography

The BIRD Claim group covers an area of rolling to gentle topography at elevations of . Roughly one third of the property is covered by recent and older patches of clear-cut logging. The remainder of the property is covered by stands of pine beetle killed lodgepole pine and spruce, balsam with birch and poplar in areas of wetter ground. Windfall in these stands is common and in areas of older logging much alder growth makes traversing very difficult. Outcrop on the property is extremely poor with maybe five percent of the property containing rock outcrops. The remainder of the property is covered by seemingly thick amounts of till and outwash gravels.

2.40 History of Previous Exploration

The BIRD Group of claims covers an area that has been held and explored by a series of major and junior exploration companies. Two drill holes and an IP survey grid are located on the claim group and were conducted by Golden Predator Resources. A cursory rock sampling has been performed on the property previously by Kootenay Silver(ARIS Report 32069).

Figure 1 BIRD Group Location Map

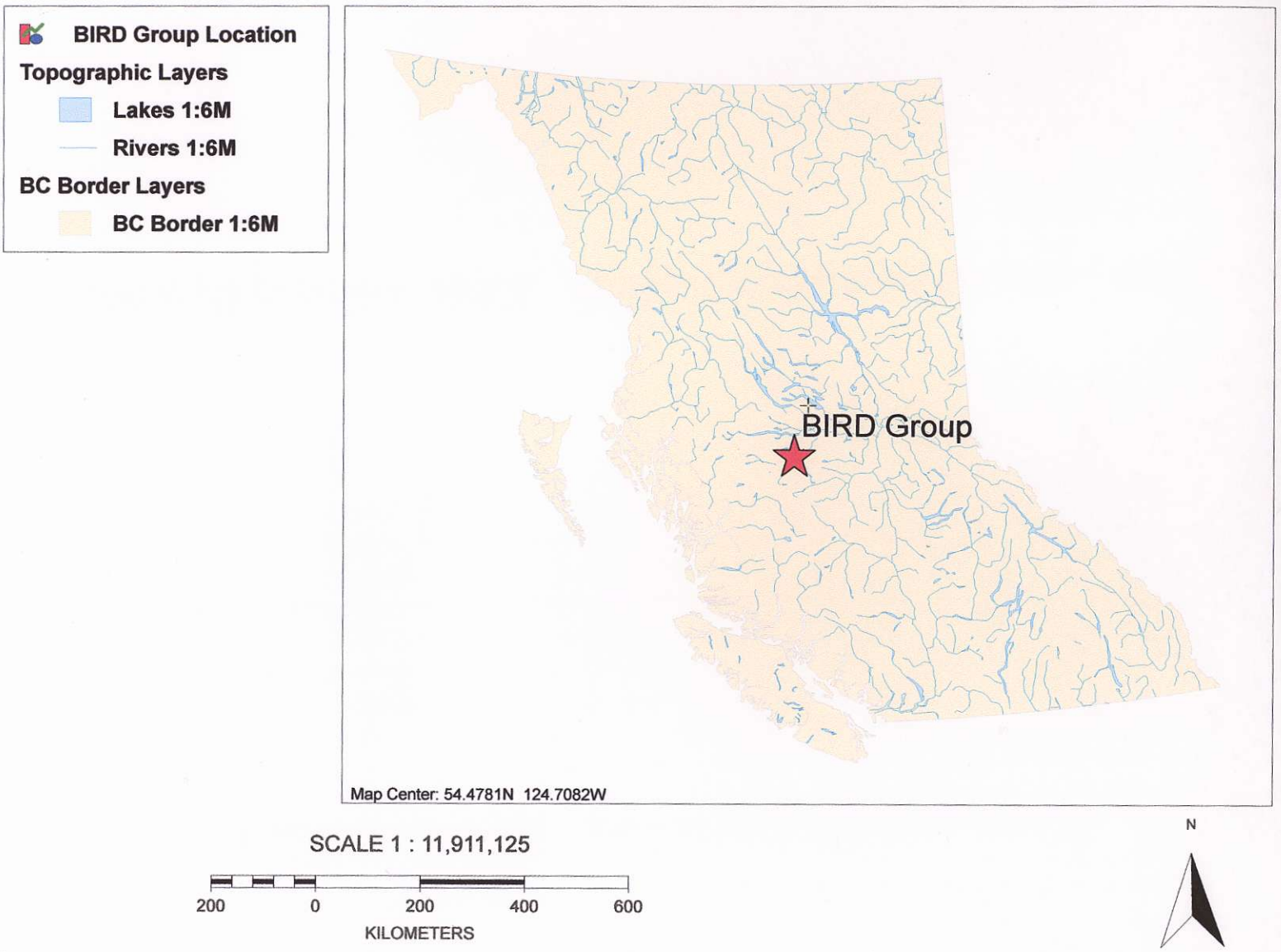
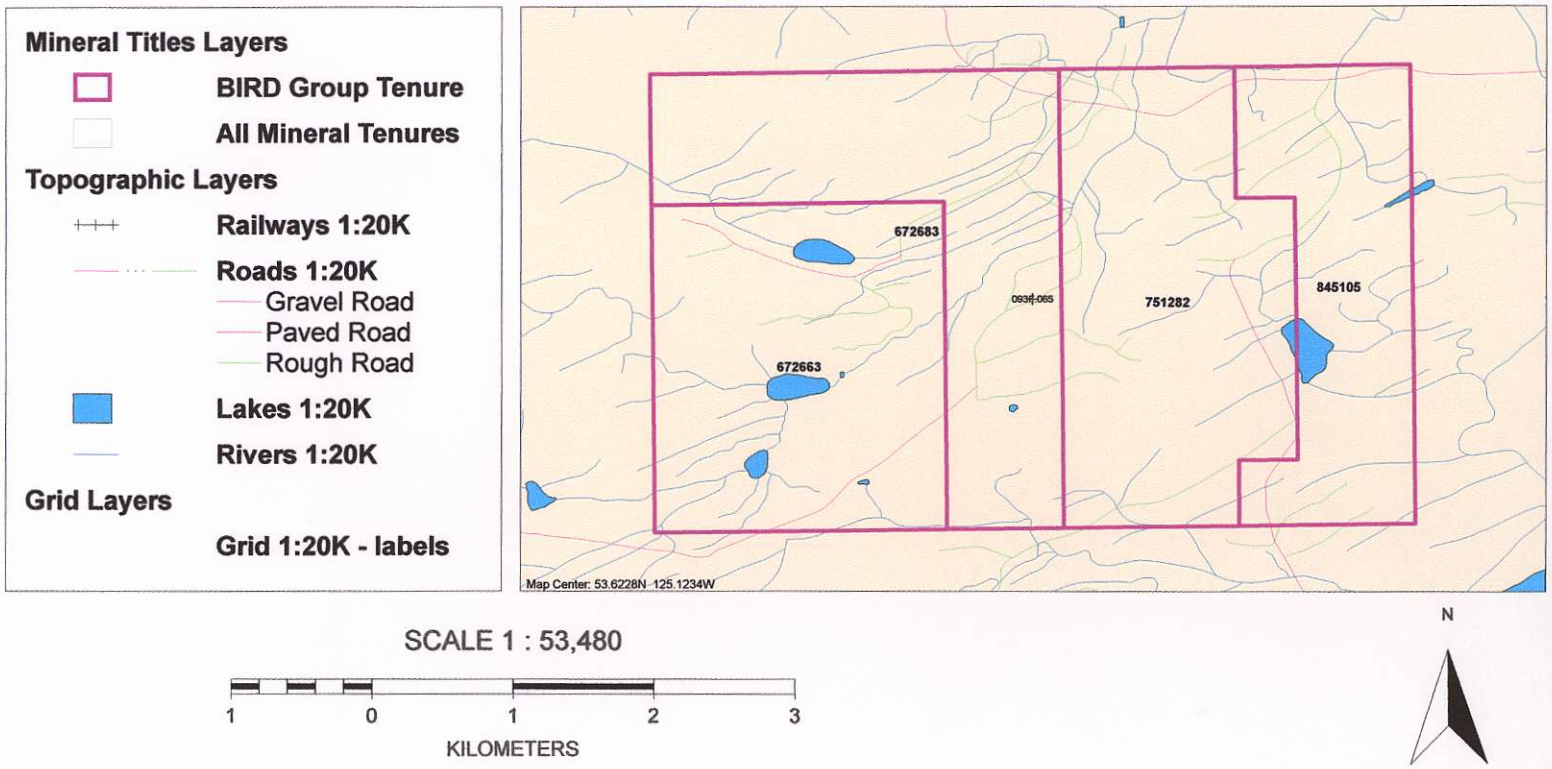


Figure 2 BIRD Group Claim Map



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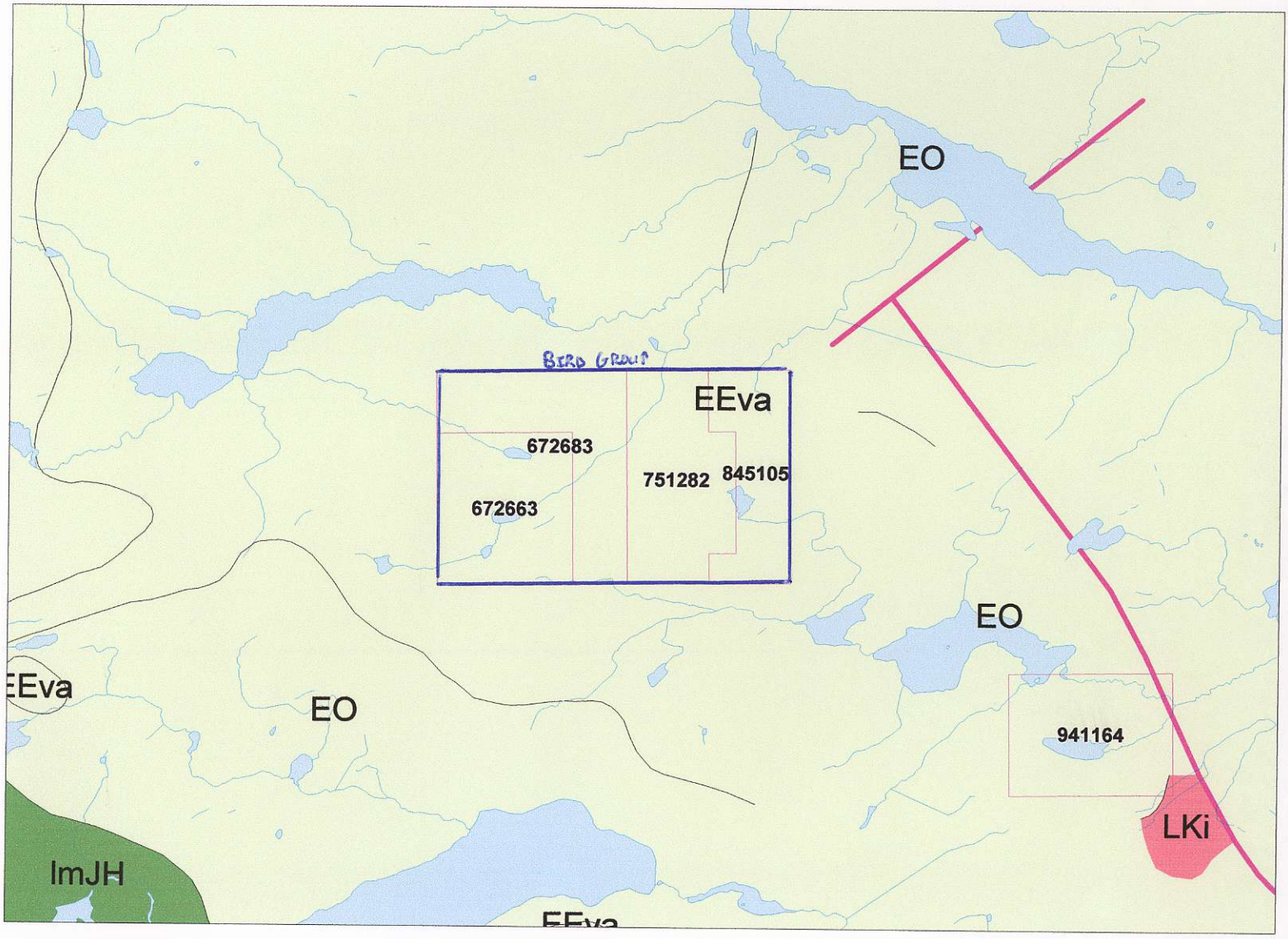
1 0 1 2 3

KILOMETERS

N

Figure 3 Regional Geology Map

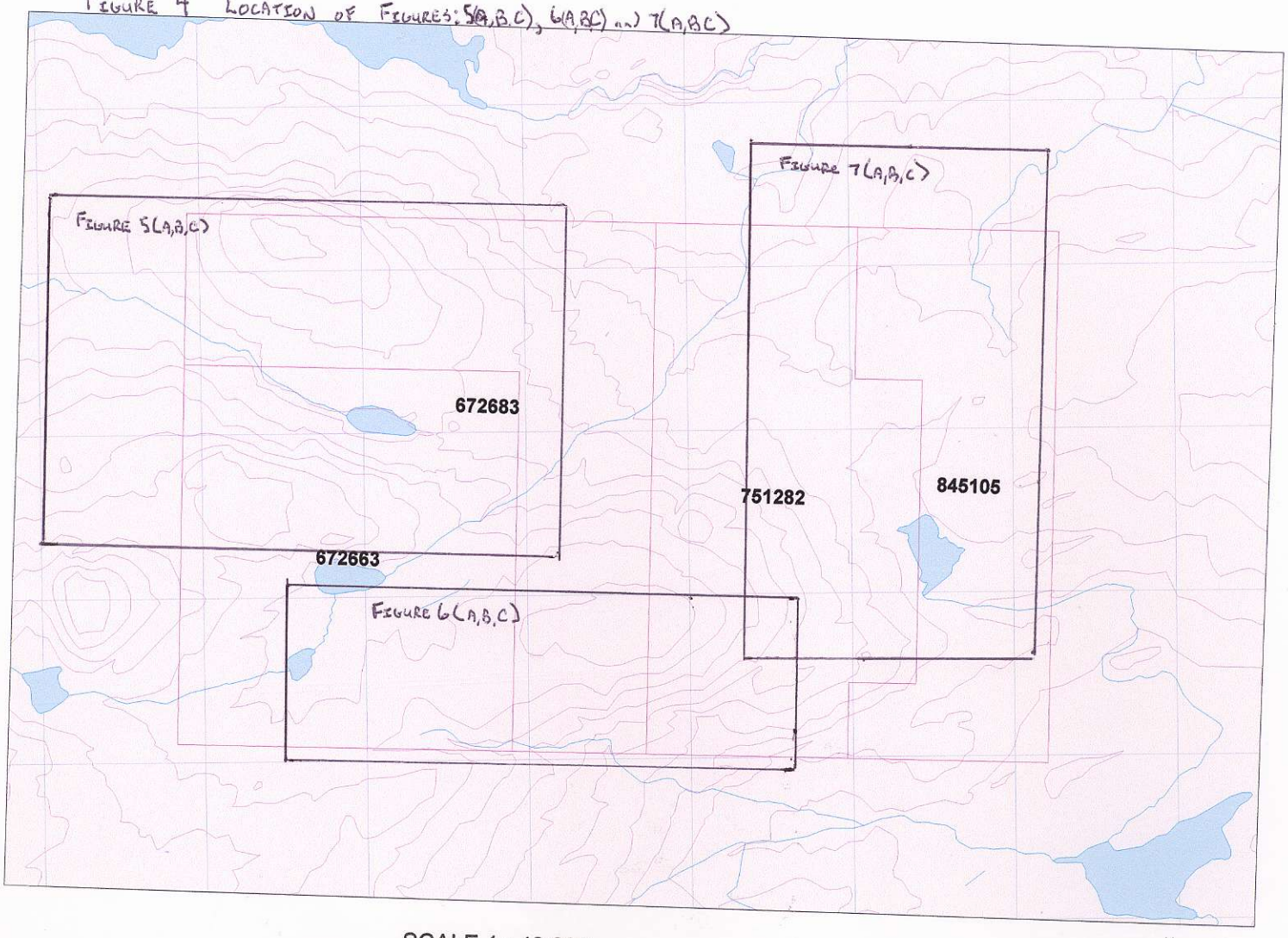


LEGEND

EO - Ootsa Lake Fm
Rybatile felsic volcanics

EEva - Eaglake Fm
Andesitic volcanic rocks

FIGURE 4 LOCATION OF FIGURES: 5(A,B,C), 6(A,B,C) AND 7(A,B,C)



SCALE 1 : 40,000

1 0 1 2 3

KILOMETERS

N

2.50 Purpose of work

The purpose of the 2013 rock geochemistry program on the BIRD Group of claims was to collect samples from previously investigated outcrops in order to try and define a structural control or geochemical trend that could aid in exploring areas of cover and help to put previous work into some type of context.

3.00 GEOLOGY

The BIRD Group of claims covers an area underlain by felsic and mafic volcanic rocks of the Cretaceous to Eocene age Ootsa Lake and Endako group rocks (Figure 3). Local outcrops of chert pebble conglomerate and andesite volcanics possibly of the Jurassic Hazelton Group.

4.00 ROCK GEO-CHEMISTRY RESULTS

4.10 ROCK GEOCHEM PROCEDURE

During the 2013 rock Geochemistry program samples 55 were collected. The samples were collected from both outcroppings and float and consisted primarily of grab samples collected with hammers and picks. Locations were marked in the field with flagging and GPS readings were taken of each site with handheld GPS units. These samples were sent to ACME Analytical Laboratories where they were subjected to the Group ID and IDX multi-element assay package. Gold was assayed for by Atomic Absorption with values given in ppb. Sample locations with values plotted for Molybdenum, Arsenic and Gold can be found on Figure 5-7A, Values for Lead, Zinc and Silver on Figure 5-7B and Values for Copper and Antimony on Figures 5-7C(in Pocket). A complete table of sample descriptions as well as UTM co-ordinates can be found in Appendix A, with Assay certificates in Appendix B

4.20 DISCUSSION OF RESULTS

Molybdenum:

Values encountered for Molybdenum were overall low with 8 of the 55 collected samples returning results above 1ppm. Three samples assayed above 5ppm and 2 of these over 10ppm comprising the program highs of 15.5ppm (TK13-259) and 45.4(MK13-199). The highest sample for molybdenum was also coincident for the program high for gold, arsenic and antimony and was collected from a piece of silicified and pyrite flooded ryholite float.

Copper:

Moderately elevated levels of copper were returned from the samples collected during the program. Almost 80 percent of the samples collected (42) were above 50ppm with 26 of these over 100ppm. Seven samples assayed above 250ppm and 3 were over 500ppm with the program highs of 605ppm(MK13-232), and 1069ppm(TK13-289). Copper

shows a good correlation to weakly elevated levels of zinc, but doesn't appear to have a strong relationship to the other elements discussed in this section.

Lead:

Very low levels of lead were obtained from the sampling program. Only 4 samples were above 10ppm and the high of the program was 21.3ppm at sample site MK13-241.

Zinc:

The sampling program achieved low to moderate values for zinc. Of the 55 samples collected 43 were above 50ppm in value with 7 of these above 100ppm. The highest values consisted of 110ppm(MK13-226) and 122ppm(MK13-234). As noted above zinc is somewhat correlative with copper, but as with copper shows no relation to other elements analysed and discussed in this section.

Silver:

Low levels of silver were returned from the samples collected. Only two samples ran above 1ppm: 1.8ppm(MK13-241), and 11.3ppm(MK13-199). The program high for silver was also coincident with the high for gold, arsenic, and molybdenum as well as antimony.

Arsenic:

Relatively low values for arsenic were obtained from the samples collected during the 2013 program. Fifteen samples assayed above 20ppm with 7 of these above 50ppm. Four samples were above 100ppm and 2 were over 200ppm; the program highs of 223.7ppm(TK13-259), and 243.2(MK13-199). Elevations in arsenic show a correlation to the limited highs for gold. The two program highs of each are coincident with each other. Elevated values of antimony also show a correlation with those of arsenic.

Antimony:

Weak to low values of antimony were returned from the samples collected. Seven samples assayed above 1ppm with four above 2ppm and 2 over 5ppm and comprised the program highs of 6.6ppm(TK13-260) and 19.7ppm(MK13-199). These two highs for antimony also were the two program highs for gold and elevated levels of arsenic.

Gold:

Very low levels of gold were returned from the samples collected. Of 55 samples 3 were above 10ppb, and the program highs were 69.5ppb(TK13-259), and 75.1ppb(MK13-199). Gold shows a good relationship to both arsenic and antimony and molybdenum. It does not appear as though there is a strong relationship between gold and copper, zinc or lead, based on the sampling conducted in 2013 program.

Mercury:

Low values for mercury were obtained from the collected samples with only two samples analysing above 0.5ppm at sample sites TK13-261(0.59ppm) and MK13-199(1.21ppm). The highest sample site for mercury was also coincident to that of arsenic, molybdenum, antimony and gold.

4.00 CONCLUSIONS AND RECOMMENDATIONS

Exposures of rock on the Bird property are very limited and where seen and sampled low levels of gold were obtained. These elevated gold values show a correlation to elevations of arsenic, antimony, molybdenum and mercury. Low to moderately elevated levels of both copper and zinc were also obtained and show a good relationship to each other, however no other real metal associations could be gleaned from the data obtained. The highest value for gold was collected from a piece of ryhollte float and future work in the area should focus on sourcing this material if on or off of the property.

5.00 STATEMENT OF COSTS

Mike Kennedy 4 days @ $500.00/day (vehicle inclusive)	$2000.00
Tom Kennedy 4 days @ $350.00/day	$1400.00
Tom Kennedy Report and Drafting	$1000.00
55 Samples	$1612.00
Travel and L/O	$1160.00
Total	**$7172.00**

6.00 AUTHOR'S QUALIFICATIONS

As author of this report I, Tom Kennedy certifies that:

1) I am an independent consulting prospector residing at 1082 Cote Rd, South Slocan, B.C.
2) I have been actively involved in mining and mineral exploration for the past 20 years.
3) I have been employed by individuals as well as \junior and Major mining companies.
4) I have created and optioned numerous grass-roots mineral exploration properties.

Tom Kennedy

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Prospector

APPENDIX 1

Rock Geo-chem Sample Descriptions and Co-Ordinates

Sample No	UTM E	UTM N	Description
MK13-225	359782	5944470	Rubble micro hem stain chips micro veining.
Mk13-226	359777	5944475	Same material as 225 1 metre chip comp sample
Mk13-227	359774	5944480	2 metre sc zone of mafic volcanics with pyrite, chip comp sample.
Mk13-228	359787	5944484	1 by 1 chip comp sample same material as 227.
Mk13-229	359790	5944497	Lim hem stained brecciated material chip comp sample.
Mk13-230	359810	5944542	1 by 2 metre comp sample off of hornfelsed? material with pyrite.
Mk13-231	359800	5944633	Mafic volcanics SC with pyrite fractures.
Mk13-232	359735	5944639	1 feet piece of mafic volcanics with malachite stain.
Mk13-233	359710	5944641	volcanic crush zone with py.
Mk13-234	359679	5944627	vol crush zone with py.
Mk13-235	359679	5944611	Microvein zone with epidote and py.
Mk13-199	356891	5944359	1 peice of epithermal quartz F with pyrite.
Mk13-200	359752	5944867	Diorite porphyry propylitic alt calcite veins and fractures.
Mk13-201	359775	5944463	Green porphyritic outcrop with micro veining.
Mk13-202	360085	5944491	5 metre OUTCROP of diorite porphyry with pyrite.
Mk13-203	360117	5944464	40/60 3 inch quartz epidote vein.
Mk13-204	360223	5944480	90 degree trending epithermal quartz epidote breccia with limonite stain hosted by diorite porphyry.
Mk13-205	360228	5944472	Rare Mo blobs in epithermal quartz/epidote vein.
Mk13-206	360512	5944302	light brecciating over 8 metre area in diorite or mafic volcanics,with hem staining.
Mk13-207	357675	5945199	On old rd calcite vug fills in basalt.
Mk13-208	358182	5944430	calcite fractures in a 5 metre outcrop of volcanic breccia.
Mk13-209	361738	5944146	Sc 1 inch quartz vein with limonite stain.
Mk13-210	361811	5944695	Calcite fractures in andesite 1 feet pieces.
Mk13-211	361631	5943295	25 by 25 metre OUTCROP volcanics with small fractures of epidote and pyrite.
Mk13-212	361621	5943295	26 by 25 metre OUTCROP volcanics with small fractures of epidote and pyrite. Same area as 211 sample.
Mk13-213	361623	5943302	Same area as 212 with rare CuPy.
Mk13-214	361630	5943296	Same area as 212 with rare CuPy.
Mk13-215	361634	5943297	Same area as 212 with rare CuPy.
TK13-257	359846	5944395	Outcrop of recrushed brecciated material with some carbonate veinlets with pyrite and limonite as well as quartz crystal veining with yellowish oxide
TK13-258	359846	5944395	Subcrop of more silica rich material than above with some siliceous matrix breccia with limonite staining
TK13-259	359872	5944418	N/S striking dip 60 degrees to E zone of sugary epithermal like quartz in rebrecciated chert unit with limonite and pyrite boxworks with yellow sericitic look
TK13-260	360074	5944400	Subcrop of andesitic unit brecciated and cut by thin quartz veinlets with rare pyrite and some chalcopyrite with epidote alteration
TK13-261	360250	5944335	Siliceous matrix brecciated ryholite float with some argillic alteration and yellow staining
TK13-262	358171	5944369	Pinkish weathering slightly haematitic basaltic breccia, conglomerate unit with some calcite filled vugs and yellow/brown limonite staining
TK13-263	361782	5944191	Porphyry diorite unit with skarn type alteration veining of epidote and white material with some quartz and rare chalcopyrite
TK13-264	361722	5944157	Weak epidote alteration with some blackish hornblende and rare disseminated chalcopyrite or pyrite within volcanic porphyry unit
TK13-265	361825	5943699	Andesite unite/diorite porphyry rebrecciated with calcite matrix and narrow purple carbonate veinlets
TK13-266	361728	5943403	Outcrop of diorite/andesite porphyry unit with some epidote alteration and breccia pods containing rare limonite and pyrite
TK13-267	361823	5943469	Andesite unit with some quartz veining and calcite brecciation with rare fractures and blebs of chalcopyrite and epidote alteration
TK13-268	361888	5943445	Narrow white albite and epidote veinlets with some pyrite and limonite with rare chalcopyrite with pyrrhotite and pyrite in hornblende thin fractures and clots
TK13-269	361760	5943329	Rare disseminated chalcopyrite with pyrite in volcanic/diorite unit with some black manganese and whitish veinlets

TK13-270	361728	5943307	Mafic volcanic porphyry diorite unit with narrow epidote veinlets containing rare chalcopyrite
TK13-271	361795	5942920	Subcrop of carbonate altered pyretic altered diorite unit? With narrow quartz fractures containing rare pyrite -epithermal?
TK13-281	359751	5944470	Subcrop of rebrecciated volcanic porphyry unit cut by thin calcite veinlets with some limonite clots and slickenside
TK13-282	359752	5944500	Recrushed volcanic porphyry unit with thin massive pyrite veins and limonite boxworks in subcrop material
TK13-283	359752	5944500	Thin quartz calcite veinlets cutting bleached albitic altered volcanic porphyry unit with some limonite/pyrite and chlorite
TK13-284	359784	5944529	Crush breccia in volcanic porphyry unit with albitic alteration and rare limonite staining and bright orange boxworks
TK13-285	359792	5944600	Sheared porphyritic unit with N/S cleaving with a vertical dip -some thin white veinlets of quartz with calcite and some iron staining
TK13-286	359774	5944615	Sheared porphyry unit with rare iron staining and black greasy chlorite
TK13-287	359735	5944615	Massive pyrite fractures and clots in sheared diorite porphyry unit with some calcite and reddish hematite
TK13-288	359735	5944615	Composite of thin massive limonite slips across a meter interval within sheared up diorite porphyry unit
TK13-289	359693	5944574	Subcrop of more silicified diorite porphyry cut by thin calcite and quartz veinlets with limonite boxworks and iron staining
TK13-290	359693	5944589	Diorite porphyry unit with chlorite alteration and silicified veinlets with rare disseminated pyrite and chalcopyrite
TK13-295	359456	5942391	Quartz crystal coatings on openspace fractures with calcite and rare iron staining in flow banded ryholite

APPENDIX 2

ASSAY SHEETS

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Project: Bird
Report Date: August 02, 2013

CERTIFICATE OF ANALYSIS VAN13002747.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
TK13-257	Rock	0.37	1.4	31.2	1.9	54	0.3	4.4	11.3	365	2.92	75.6	0.3	49.5	1.0	12	<0.1	1.2	0.2	67	0.32
TK13-258	Rock	0.32	0.8	22.8	2.9	40	0.1	25.3	13.2	2521	3.39	25.3	0.1	4.6	0.3	119	0.1	0.8	<0.1	42	4.74
TK13-259	Rock	0.85	15.5	15.5	1.7	15	0.3	1.4	2.8	128	2.59	223.7	0.1	69.6	0.6	13	<0.1	6.6	<0.1	23	0.08
TK13-260	Rock	0.94	0.2	370.5	1.7	104	0.2	4.2	21.3	972	3.69	4.7	0.2	3.6	0.2	57	0.3	0.2	<0.1	96	0.86
TK13-261	Rock	0.56	0.7	3.1	8.0	9	<0.1	0.7	0.4	61	0.55	5.2	2.3	<0.5	10.0	6	<0.1	0.6	<0.1	<2	0.02
TK13-262	Rock	0.47	1.4	10.8	2.1	92	<0.1	1.9	6.1	423	2.97	4.9	2.5	<0.5	7.4	83	<0.1	0.2	<0.1	37	0.59
TK13-263	Rock	0.76	<0.1	257.0	1.9	41	0.3	5.1	15.0	830	2.54	3.2	0.1	7.3	0.1	182	<0.1	0.5	<0.1	111	4.09
TK13-264	Rock	0.70	0.1	85.6	0.8	39	<0.1	2.7	12.2	687	3.20	3.2	0.1	2.2	0.2	50	<0.1	0.5	<0.1	89	1.15
TK13-265	Rock	0.65	<0.1	18.0	1.0	67	<0.1	5.0	21.1	1067	4.14	1.7	0.1	1.1	0.3	72	<0.1	0.6	<0.1	155	2.93
TK13-266	Rock	0.85	0.2	59.1	0.8	42	<0.1	5.6	12.8	611	2.50	2.7	<0.1	1.5	0.2	100	<0.1	0.5	<0.1	88	1.20
TK13-267	Rock	0.53	<0.1	599.0	0.4	51	0.2	1.8	11.5	795	2.65	4.1	0.1	<0.5	0.8	39	0.2	0.2	<0.1	71	3.85
TK13-268	Rock	0.89	0.3	286.1	0.7	42	0.3	3.7	14.9	536	3.57	1.4	<0.1	4.3	0.2	59	0.1	0.3	<0.1	126	1.68
TK13-269	Rock	0.97	<0.1	246.9	1.9	104	0.2	7.2	24.1	1172	4.36	9.5	<0.1	7.2	<0.1	43	0.1	0.3	<0.1	210	2.10
TK13-270	Rock	0.51	0.2	136.3	0.6	64	<0.1	14.8	23.1	678	4.71	1.5	0.1	1.4	0.3	52	<0.1	0.5	<0.1	171	0.94
TK13-271	Rock	0.80	3.5	42.1	2.2	18	<0.1	0.4	1.3	683	1.58	53.8	0.6	<0.5	3.9	11	<0.1	1.2	<0.1	2	0.97
TK13-281	Rock	0.76	<0.1	69.4	1.2	48	<0.1	1.7	8.7	1033	3.58	10.9	0.2	<0.5	0.6	44	<0.1	0.2	<0.1	80	3.30
TK13-282	Rock	0.64	9.9	217.7	3.2	36	<0.1	12.4	14.9	618	7.50	30.3	1.1	4.9	1.8	21	<0.1	2.5	0.2	119	0.43
TK13-283	Rock	0.79	0.2	98.7	1.5	68	<0.1	1.7	14.5	878	3.21	107.8	0.2	6.4	0.6	36	0.1	1.0	<0.1	71	6.87
TK13-284	Rock	0.71	0.6	70.2	3.8	107	<0.1	2.0	10.6	971	4.41	19.5	0.3	<0.5	0.8	12	0.3	0.5	<0.1	92	0.54
TK13-285	Rock	0.61	0.3	130.3	1.6	91	<0.1	1.3	18.6	1647	5.43	15.8	0.2	2.6	0.5	30	<0.1	0.4	<0.1	207	1.66
TK13-286	Rock	0.80	0.1	157.6	1.1	76	<0.1	1.2	21.0	1621	5.82	17.0	0.1	<0.5	0.5	30	<0.1	0.2	<0.1	209	2.09
TK13-287	Rock	0.64	0.9	81.0	5.5	95	<0.1	2.7	13.5	870	5.14	105.9	0.4	2.0	1.0	20	0.1	1.3	<0.1	114	1.13
TK13-288	Rock	0.53	3.8	98.4	12.1	108	0.1	2.6	13.3	998	4.77	91.1	0.4	3.2	1.1	34	0.4	1.6	<0.1	104	2.22
TK13-289	Rock	0.58	0.2	1069	0.8	85	0.7	3.0	22.2	697	3.05	16.9	0.1	2.6	0.3	52	0.3	0.3	<0.1	95	2.28
TK13-290	Rock	0.95	<0.1	177.0	0.5	69	<0.1	8.4	22.3	821	4.19	5.2	<0.1	2.1	0.3	49	0.1	0.1	<0.1	119	1.25
TK13-295	Rock	0.68	0.4	7.8	2.0	69	<0.1	4.6	6.7	644	2.06	2.2	6.8	<0.5	5.4	417	0.2	0.2	<0.1	40	0.83
MK13-199	Rock	0.33	45.4	10.2	19.2	9	11.3	0.9	0.7	43	2.15	243.2	0.5	75.1	2.9	11	<0.1	19.7	<0.1	<2	0.02
MK13-200	Rock	0.87	<0.1	82.8	0.4	101	0.1	7.4	21.4	1249	4.58	5.8	0.1	1.7	0.3	32	<0.1	<0.1	<0.1	156	3.44
MK13-201	Rock	0.57	<0.1	151.9	0.6	83	<0.1	7.5	22.5	1062	5.12	7.4	0.2	2.7	0.5	28	0.1	<0.1	<0.1	188	4.07
MK13-202	Rock	1.08	0.3	150.6	1.5	87	0.1	4.3	23.8	1106	4.57	16.3	0.3	5.8	0.3	27	0.2	0.3	0.1	160	1.21

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Client: **Kootenay Silver Inc.**
Suite 1820 - 1055 W. Hastings St.
Vancouver BC V6E 2E9 CANADA

Project: Bird
Report Date: August 02, 2013

CERTIFICATE OF ANALYSIS VAN13002747.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
TK13-257	Rock	0.135	11	<1	0.47	81	0.002	<1	1.30	0.045	0.08	<0.1	0.05	5.7	0.1	0.11	6	2.0	<0.2
TK13-258	Rock	0.071	15	15	1.19	140	0.002	<1	0.44	0.011	0.13	<0.1	0.08	9.3	<0.1	0.06	1	<0.5	<0.2
TK13-259	Rock	0.060	8	1	0.16	62	0.004	<1	0.55	0.033	0.08	<0.1	0.03	2.0	0.3	0.07	4	0.8	<0.2
TK13-260	Rock	0.073	1	1	2.04	71	0.271	3	2.25	0.054	0.05	<0.1	<0.01	5.3	<0.1	<0.05	6	<0.5	<0.2
TK13-261	Rock	0.011	34	2	0.03	35	0.004	<1	0.21	0.022	0.22	<0.1	0.59	0.4	<0.1	<0.05	<1	<0.5	<0.2
TK13-262	Rock	0.231	44	<1	0.11	155	0.072	<1	0.60	0.056	0.12	<0.1	0.02	6.7	0.1	<0.05	3	<0.5	<0.2
TK13-263	Rock	0.059	<1	2	1.00	6	0.222	9	2.86	0.029	0.02	0.1	0.02	4.2	<0.1	<0.05	12	<0.5	<0.2
TK13-264	Rock	0.095	2	1	0.88	25	0.170	5	1.53	0.103	0.11	0.2	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
TK13-265	Rock	0.061	2	1	1.91	54	0.277	2	2.19	0.047	0.06	<0.1	0.03	9.8	<0.1	<0.05	8	<0.5	<0.2
TK13-266	Rock	0.084	<1	1	1.19	75	0.213	2	1.68	0.096	0.06	<0.1	<0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
TK13-267	Rock	0.068	6	2	1.03	7	0.009	<1	1.34	0.084	<0.01	<0.1	0.02	3.5	<0.1	0.05	7	<0.5	<0.2
TK13-268	Rock	0.098	3	<1	1.01	43	0.158	4	2.01	0.179	0.12	<0.1	0.02	4.9	<0.1	<0.05	7	<0.5	<0.2
TK13-269	Rock	0.050	<1	3	2.16	60	0.263	6	3.32	0.113	0.07	<0.1	0.02	5.5	<0.1	<0.05	9	<0.5	<0.2
TK13-270	Rock	0.083	4	15	1.78	109	0.192	3	2.27	0.124	0.16	<0.1	<0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
TK13-271	Rock	0.026	17	<1	0.15	34	0.001	1	0.24	0.053	0.18	<0.1	0.18	2.7	<0.1	0.12	<1	<0.5	<0.2
TK13-281	Rock	0.093	9	1	1.57	46	0.014	2	1.79	0.080	0.05	<0.1	0.02	6.1	<0.1	<0.05	11	<0.5	<0.2
TK13-282	Rock	0.104	6	16	1.41	37	0.188	1	1.96	0.065	0.04	0.1	0.05	8.2	0.1	0.12	14	4.0	0.2
TK13-283	Rock	0.072	4	<1	0.92	35	0.141	6	3.92	0.028	0.02	0.1	0.02	6.8	<0.1	0.18	18	1.3	<0.2
TK13-284	Rock	0.110	5	1	1.35	40	0.187	1	1.82	0.073	0.08	0.1	0.02	7.4	<0.1	<0.05	13	<0.5	<0.2
TK13-285	Rock	0.122	10	<1	2.05	42	0.023	2	2.40	0.045	0.05	<0.1	0.07	12.1	<0.1	<0.05	13	0.8	<0.2
TK13-286	Rock	0.117	8	<1	1.97	34	0.015	2	2.52	0.033	0.08	<0.1	0.02	12.2	<0.1	<0.05	13	<0.5	<0.2
TK13-287	Rock	0.126	10	2	1.25	35	0.036	2	1.61	0.065	0.05	<0.1	0.04	8.0	<0.1	1.01	13	1.7	<0.2
TK13-288	Rock	0.114	9	1	1.08	127	0.031	2	1.49	0.078	0.04	<0.1	0.08	8.1	<0.1	0.55	9	2.4	<0.2
TK13-289	Rock	0.080	3	<1	0.90	83	0.162	10	2.73	0.088	0.16	<0.1	0.02	5.5	<0.1	0.11	8	<0.5	<0.2
TK13-290	Rock	0.076	3	1	1.62	43	0.174	3	2.26	0.086	0.06	<0.1	<0.01	4.1	<0.1	<0.05	6	0.5	<0.2
TK13-295	Rock	0.151	34	3	0.32	903	0.105	<1	1.16	0.075	0.35	<0.1	<0.01	6.1	<0.1	<0.05	3	<0.5	<0.2
MK13-199	Rock	0.005	13	2	<0.01	47	0.002	<1	0.10	0.003	0.10	<0.1	1.21	0.3	0.7	1.75	<1	1.2	2.8
MK13-200	Rock	0.095	2	2	2.46	24	0.167	2	2.52	0.035	0.05	<0.1	0.01	7.8	<0.1	<0.05	9	0.6	<0.2
MK13-201	Rock	0.076	4	1	1.95	90	0.241	13	4.77	0.022	0.06	<0.1	0.01	8.1	<0.1	<0.05	18	<0.5	<0.2
MK13-202	Rock	0.079	1	2	1.81	40	0.323	4	2.14	0.067	0.04	<0.1	<0.01	5.3	<0.1	0.26	9	<0.5	<0.2

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Project: Bird
Report Date: August 02, 2013

CERTIFICATE OF ANALYSIS VAN13002747.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MK13-203	Rock	0.48	<0.1	21.7	11.6	34	<0.1	1.5	6.8	546	1.56	2.6	<0.1	<0.5	<0.1	234	<0.1	0.4	<0.1	68	2.19
MK13-204	Rock	0.73	<0.1	186.2	1.7	97	<0.1	8.2	30.7	1196	6.20	7.4	0.2	2.2	0.2	12	<0.1	<0.1	<0.1	216	0.87
MK13-205	Rock	0.72	0.3	125.3	8.8	53	<0.1	10.7	20.4	828	4.15	3.7	0.4	3.0	0.7	41	0.4	0.1	<0.1	144	3.41
MK13-206	Rock	0.64	0.3	108.6	1.7	89	<0.1	9.8	25.9	1523	6.45	6.7	0.3	2.0	0.5	22	0.1	0.2	<0.1	182	1.36
MK13-207	Rock	0.83	0.3	21.8	5.7	55	<0.1	6.5	10.8	282	2.58	1.1	0.8	<0.5	6.1	526	<0.1	0.1	0.1	90	1.25
MK13-208	Rock	0.49	0.8	12.2	5.1	60	<0.1	0.8	6.4	372	2.08	2.8	0.9	<0.5	5.8	99	<0.1	0.2	<0.1	50	0.71
MK13-209	Rock	0.38	0.2	106.5	4.5	76	0.1	3.2	18.1	1137	4.81	22.3	0.3	2.0	0.4	152	0.2	0.6	<0.1	254	6.09
MK13-210	Rock	0.40	0.3	51.7	2.0	67	<0.1	2.8	20.0	1033	5.09	2.3	0.3	6.1	0.5	90	<0.1	0.3	<0.1	179	7.66
MK13-211	Rock	0.34	0.5	261.5	1.4	61	<0.1	4.1	19.4	499	3.94	1.4	0.2	2.7	0.4	70	<0.1	0.1	<0.1	122	1.57
MK13-212	Rock	0.69	<0.1	105.8	2.6	80	<0.1	5.1	24.3	1539	5.30	15.5	0.2	3.5	0.4	41	<0.1	0.3	<0.1	248	6.28
MK13-213	Rock	0.35	0.3	143.0	1.5	54	<0.1	2.5	15.1	759	3.85	0.9	0.2	3.2	0.6	66	<0.1	0.3	<0.1	124	1.28
MK13-214	Rock	0.58	0.3	160.2	1.1	62	<0.1	4.4	20.2	582	3.90	1.5	0.2	1.0	0.3	86	<0.1	0.1	<0.1	106	1.56
MK13-215	Rock	0.36	0.4	178.3	1.3	53	<0.1	4.2	17.0	409	3.33	1.2	0.2	1.7	0.4	65	<0.1	0.1	<0.1	108	1.53
MK13-241	Rock	0.64	2.3	92.1	21.3	57	1.8	38.4	41.0	363	2.93	40.6	1.7	1.1	2.4	139	0.3	2.3	0.4	69	4.10
MK13-225	Rock	0.52	1.2	68.8	2.7	85	<0.1	2.0	9.9	1060	3.98	35.9	0.5	<0.5	1.0	29	<0.1	0.4	<0.1	87	0.68
MK13-226	Rock	0.86	1.4	53.6	5.1	110	<0.1	2.5	9.1	984	3.79	37.9	0.5	<0.5	0.9	16	0.1	0.5	<0.1	86	0.71
MK13-227	Rock	0.64	0.9	71.2	2.2	79	<0.1	2.1	12.2	924	3.89	10.3	0.4	<0.5	0.8	28	<0.1	0.1	<0.1	86	0.97
MK13-228	Rock	1.38	0.5	57.0	1.9	65	<0.1	1.7	8.9	680	2.69	5.5	0.3	<0.5	0.6	49	<0.1	0.2	<0.1	62	1.10
MK13-229	Rock	0.46	0.5	32.3	1.9	65	<0.1	3.2	11.0	693	2.58	28.2	0.2	<0.5	0.6	22	<0.1	0.5	<0.1	69	2.10
MK13-230	Rock	1.77	0.4	61.3	1.8	65	<0.1	1.8	10.0	857	3.36	6.0	0.3	<0.5	0.8	34	<0.1	0.2	<0.1	77	0.78
MK13-231	Rock	0.52	0.5	127.4	0.8	67	<0.1	4.0	23.2	1531	5.83	17.3	0.2	<0.5	0.4	68	<0.1	0.3	0.1	190	1.97
MK13-232	Rock	0.38	0.2	605.4	0.9	95	<0.1	7.0	25.7	1264	6.23	15.9	0.2	<0.5	0.7	22	<0.1	0.2	<0.1	143	1.39
MK13-233	Rock	0.64	0.7	124.3	5.5	62	0.3	2.4	19.4	1060	4.59	29.0	0.4	5.0	0.8	28	<0.1	0.4	<0.1	133	1.80
MK13-234	Rock	0.48	0.2	145.0	1.2	122	<0.1	3.5	13.3	866	4.95	4.6	0.2	1.7	0.9	20	0.2	0.1	<0.1	113	1.39
MK13-235	Rock	0.38	0.3	95.7	6.8	65	0.1	2.7	11.3	752	4.41	18.7	0.5	2.0	0.8	22	<0.1	0.6	0.3	108	0.57

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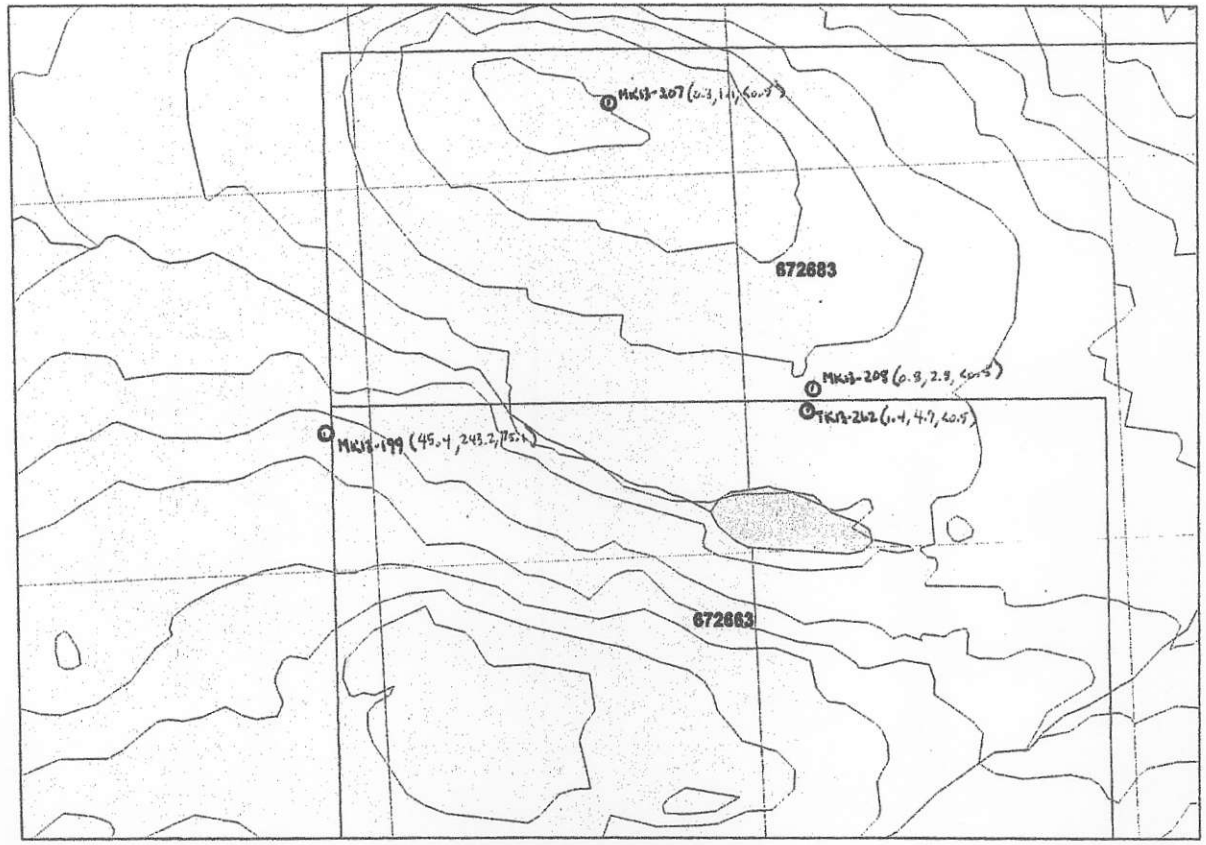
Project: Bird
Report Date: August 02, 2013

CERTIFICATE OF ANALYSIS VAN13002747.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MK13-203	Rock	0.039	<1	<1	0.46	44	0.129	9	1.43	0.026	0.01	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
MK13-204	Rock	0.055	2	1	2.46	37	0.109	4	2.88	0.065	0.04	<0.1	<0.01	14.4	<0.1	0.11	11	<0.5	<0.2
MK13-205	Rock	0.095	6	15	1.11	16	0.363	7	2.21	0.089	0.02	0.1	<0.01	6.8	<0.1	<0.05	11	0.9	<0.2
MK13-206	Rock	0.108	6	7	2.95	95	0.345	5	3.14	0.091	0.08	<0.1	0.04	18.3	<0.1	<0.05	14	<0.5	<0.2
MK13-207	Rock	0.296	40	3	0.36	918	0.085	2	1.83	0.107	0.27	<0.1	<0.01	8.8	<0.1	<0.05	5	<0.5	<0.2
MK13-208	Rock	0.260	47	<1	0.41	284	0.100	3	0.66	0.082	0.28	<0.1	0.02	5.7	<0.1	<0.05	3	<0.5	<0.2
MK13-209	Rock	0.078	3	1	1.37	30	0.210	7	4.97	0.023	0.08	0.2	0.04	10.0	<0.1	<0.05	17	0.8	<0.2
MK13-210	Rock	0.130	5	<1	1.63	31	0.212	7	5.20	0.028	0.04	0.1	0.01	14.3	<0.1	<0.05	19	<0.5	<0.2
MK13-211	Rock	0.101	5	3	1.29	120	0.255	5	2.55	0.166	0.14	<0.1	0.01	4.3	<0.1	<0.05	7	<0.5	<0.2
MK13-212	Rock	0.058	2	<1	2.42	61	0.377	7	3.96	0.074	0.02	0.2	0.01	16.3	<0.1	0.05	13	<0.5	<0.2
MK13-213	Rock	0.123	5	<1	1.18	158	0.260	6	1.91	0.149	0.18	<0.1	<0.01	4.2	<0.1	<0.05	8	<0.5	<0.2
MK13-214	Rock	0.095	4	3	1.49	106	0.243	5	2.91	0.201	0.11	<0.1	<0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
MK13-215	Rock	0.098	4	3	1.12	91	0.220	6	2.26	0.162	0.13	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
MK13-241	Rock	0.135	12	27	0.28	387	0.001	<1	1.52	0.006	0.07	<0.1	0.36	7.1	0.3	0.47	4	<0.5	<0.2
MK13-225	Rock	0.113	7	1	1.27	124	0.223	2	1.95	0.124	0.10	0.1	0.01	8.4	<0.1	<0.05	11	<0.5	<0.2
MK13-226	Rock	0.110	8	2	1.22	77	0.189	3	1.61	0.080	0.07	<0.1	<0.01	7.3	<0.1	0.05	11	<0.5	<0.2
MK13-227	Rock	0.120	5	1	1.08	77	0.221	3	1.78	0.143	0.11	0.2	<0.01	5.4	<0.1	0.42	11	<0.5	<0.2
MK13-228	Rock	0.116	6	1	1.06	88	0.190	2	1.49	0.160	0.09	0.2	0.01	3.7	<0.1	0.24	8	<0.5	<0.2
MK13-229	Rock	0.086	9	2	0.67	66	0.009	2	1.00	0.072	0.10	<0.1	0.02	5.3	<0.1	0.15	6	<0.5	<0.2
MK13-230	Rock	0.122	6	1	1.00	81	0.198	2	1.58	0.150	0.11	0.1	<0.01	6.0	<0.1	0.20	10	<0.5	<0.2
MK13-231	Rock	0.069	4	<1	2.33	87	0.238	3	2.68	0.062	0.11	<0.1	0.01	17.0	<0.1	0.07	12	<0.5	<0.2
MK13-232	Rock	0.117	9	4	2.83	53	0.008	2	2.94	0.059	0.06	<0.1	0.01	14.5	<0.1	<0.05	14	<0.5	<0.2
MK13-233	Rock	0.137	9	1	1.38	64	0.190	1	1.76	0.118	0.04	<0.1	0.14	12.8	<0.1	0.35	10	1.2	<0.2
MK13-234	Rock	0.167	7	<1	1.80	71	0.024	2	2.28	0.063	0.02	<0.1	0.02	9.1	<0.1	0.06	13	<0.5	<0.2
MK13-235	Rock	0.126	9	2	1.08	256	0.255	3	1.58	0.119	0.05	0.1	0.02	10.3	<0.1	0.25	10	1.1	<0.2



SCALE 1 : 20,000

500 0 500 1,000 1,500

METERS

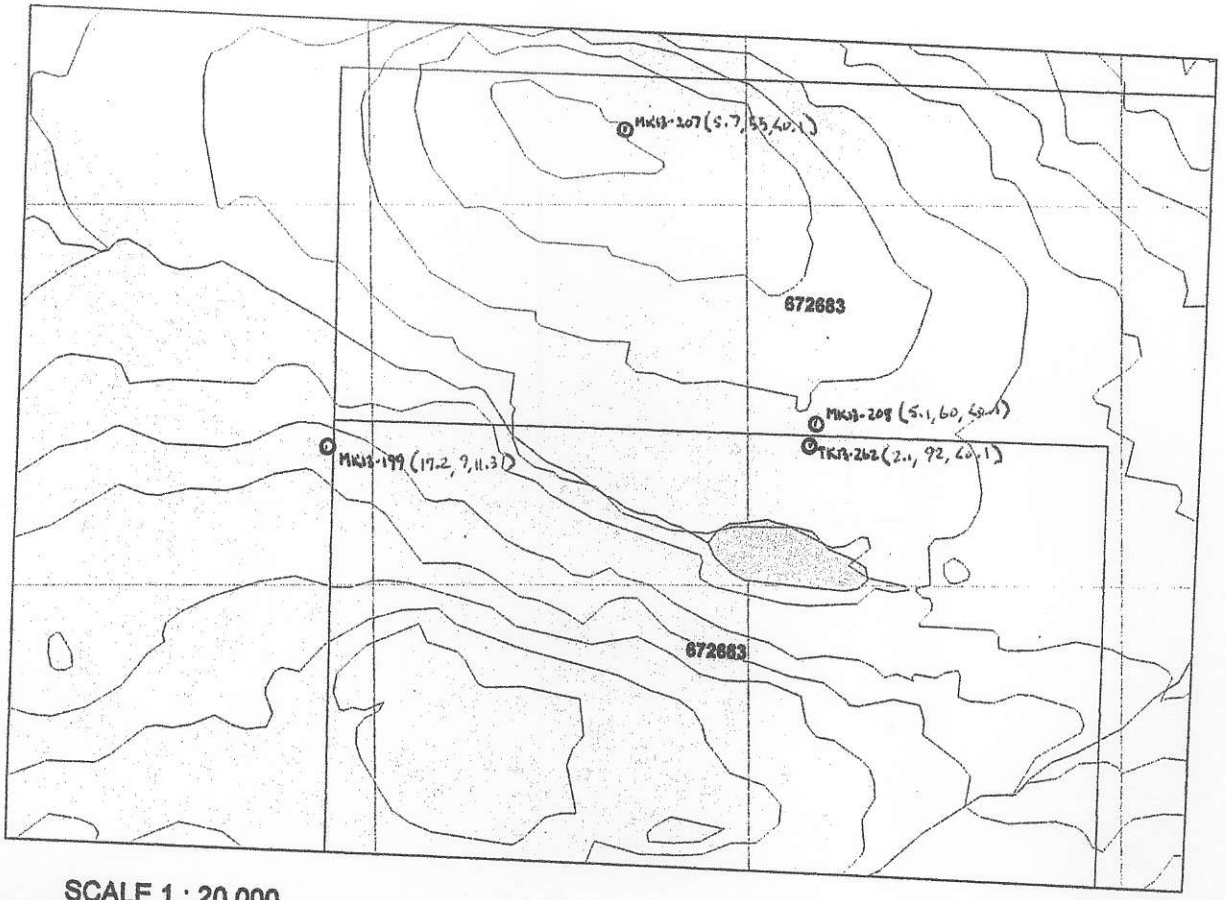
FIGURE 5A: GEOCHEM VALUES FOR MOLYBDENUM (PPM), ARSENIC (PPM), GOLD (PPB)

LEGEND

○ SAMPLE LOCATION

M(1)K13-X (Mo(PPM), As(PPM), Au(PPB))

SAMPLE NUMBER — ELEMENTS PLOTTED AND UNIT



SCALE 1 : 20,000

500 0 500 1,000 1,500

METERS

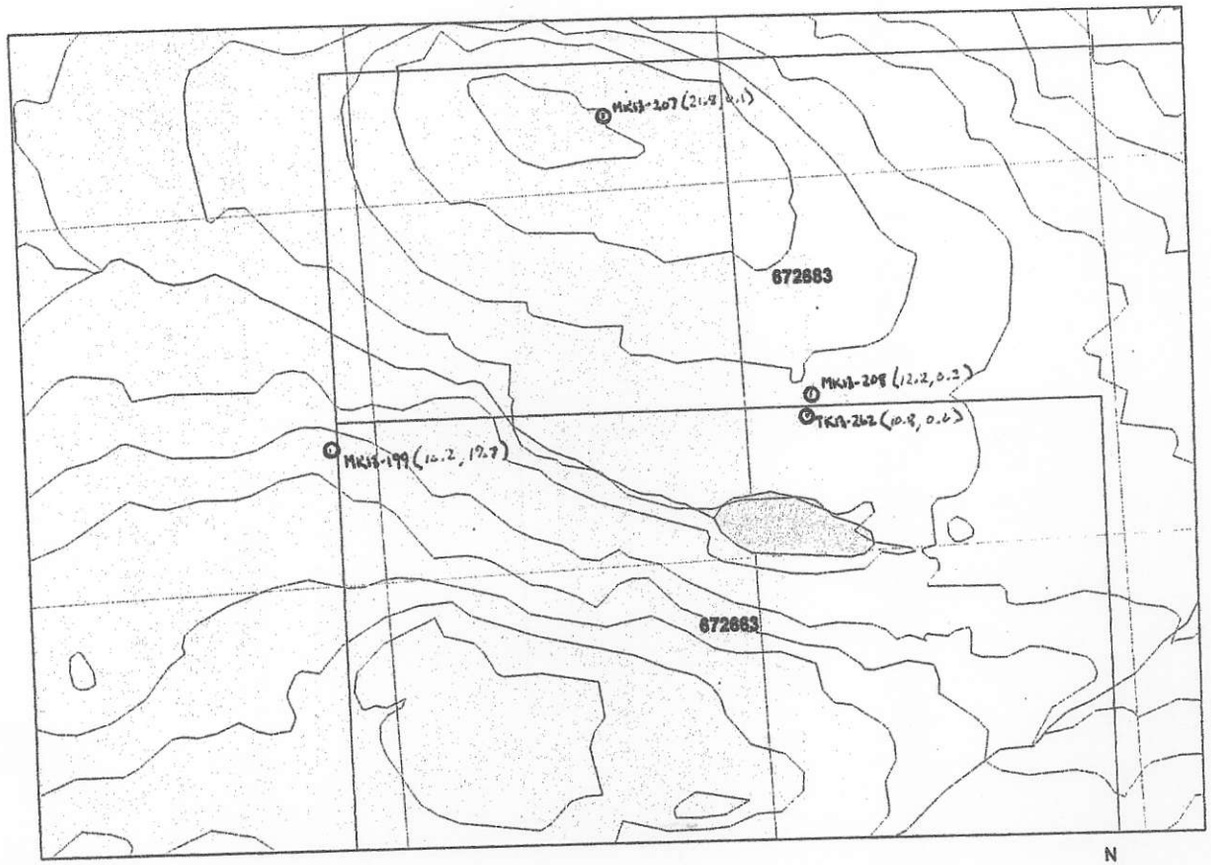
FIGURE 5B: GEOCHEM VALUES FOR LEAD (PPM), ZINC (PPM), SILVER (PPM)

LEGEND

○ SAMPLE LOCATION

M(T)KB-X (PB(PPM), ZN(PPM) AG(PPM)

SAMPLE #



SCALE 1 : 20,000

500 0 500 1,000 1,500

METERS

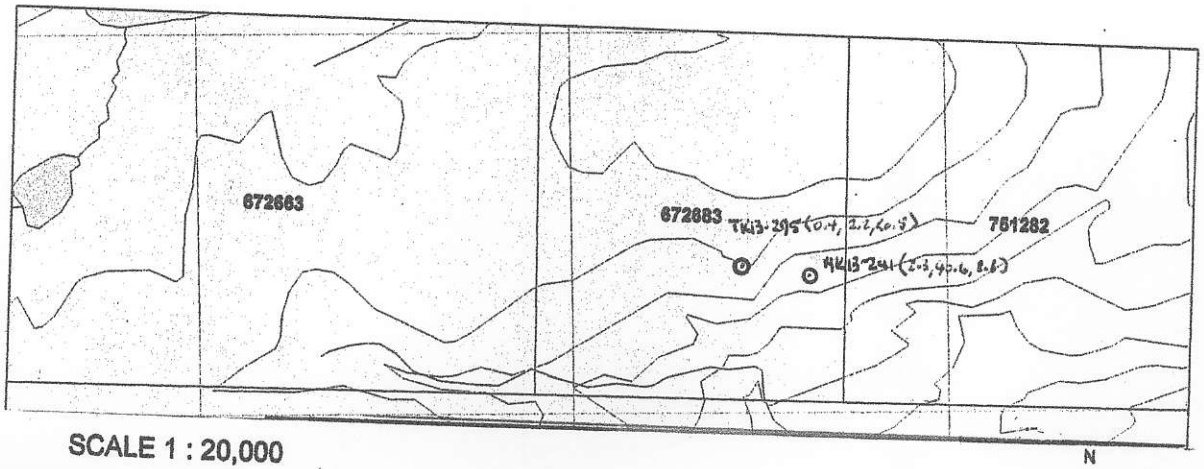
FIGURE 5C: GEOCHEM VALUES COPPER (PPM) AND ANTIMONY (PPM)

LEGEND

○ SAMPLE LOCATION

M(T)KB-x (Cu (PPM), Sb (PPM))

SAMPLE No. ELEMENTS PLOTTED (PPM)



SCALE 1 : 20,000

500 0 500 1,000 1,500

METERS

FIGURE 6A : GEOCHEM VALUES FOR: MOLYBDENUM (PPM), ARSENIC (PPM), GOLD (PPB)

LEGEND

○ SAMPLE LOCATION

M(T)KB-x (Mo(PPM), As(PPM), Au(PPB))

SAMPLE NO. ELEMENTS PLOTTED WITH UNITS

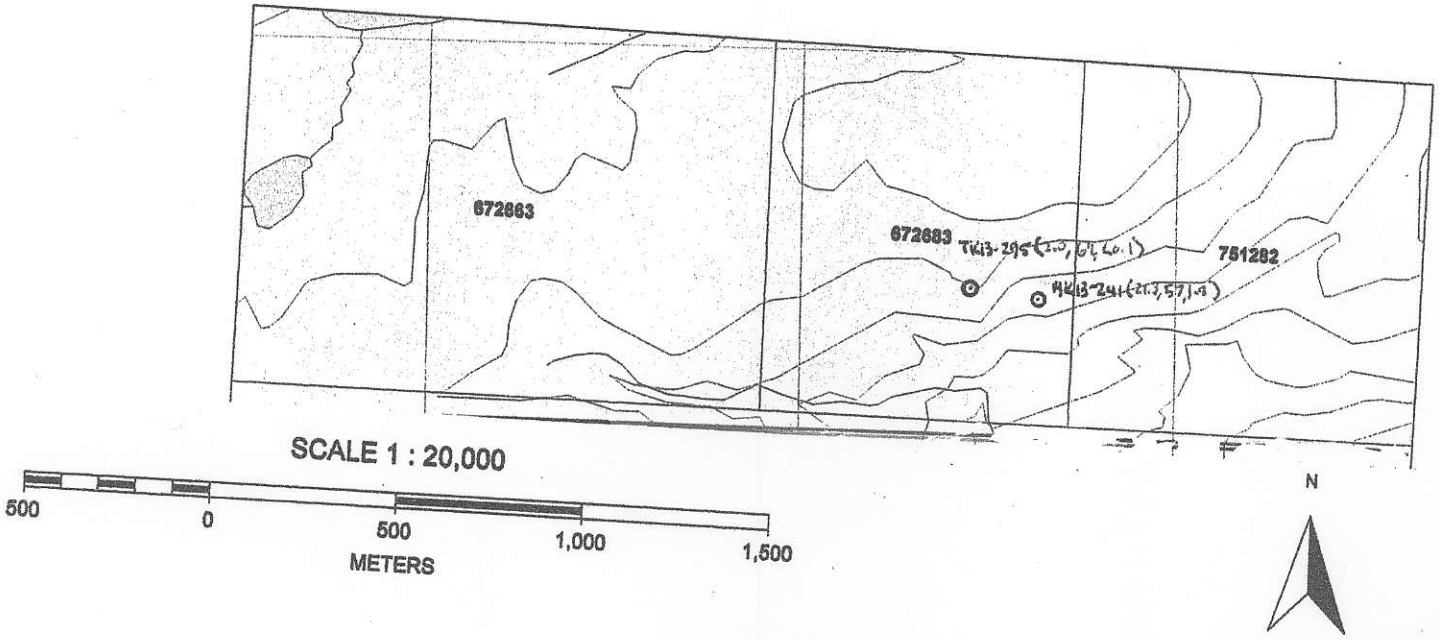
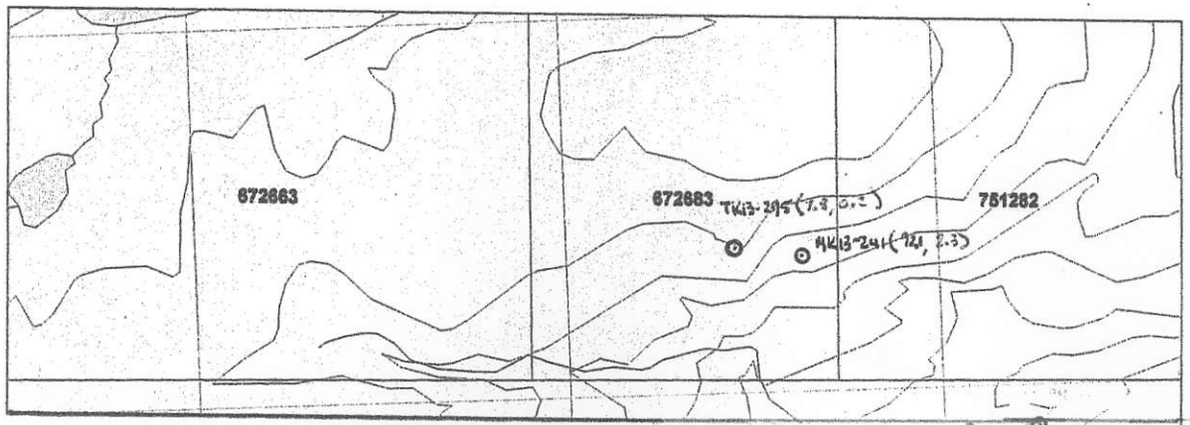


FIGURE 6B: GEOCHEM VALUES FOR: LEAD (PPM), ZINC (PPM), SILVER (PPM)

LEGEND

○ SAMPLE LOCATION

M(T)K13-x SAMPLE No (Pb(PPM), Zn(PPM), Ag(PPM)) ELEMENTS PLOTTED AND VALUE



SCALE 1 : 20,000

500 0 500 1,000 1,500

METERS

FIGURE 6C : GEOCHEM VALUES FOR COPPER (PPM) AND ANTIMONY (PPM)

LEGEND

○ SAMPLE LOCATION

MCTK13-X (Cu (PPM), Sb (PPM))

SAMPLE No. ELEMENTS PLOTTED IN UNIT

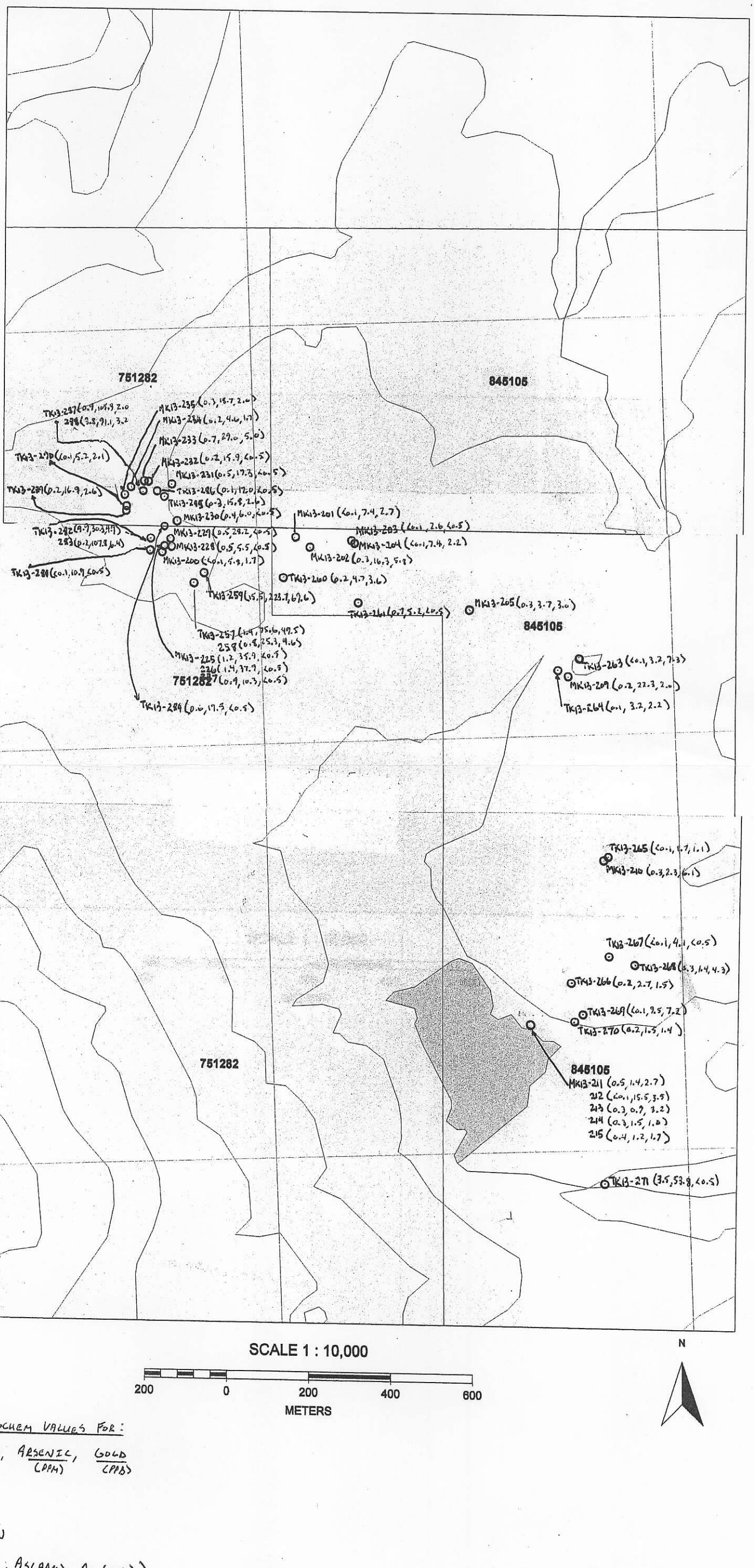


FIGURE 7A : GEOCHEM VALUES FOR:

MOLYBDENUM (PPM), ARSENIC (PPM), GOLD (PPB)

LEGEND

O - SAMPLE LOCATION

M(T)K13-x (MO (PPM), AS (PPM), AU (PPB))

SAMPLE NO. ELEMENTS PLOTTED WITH UNIT

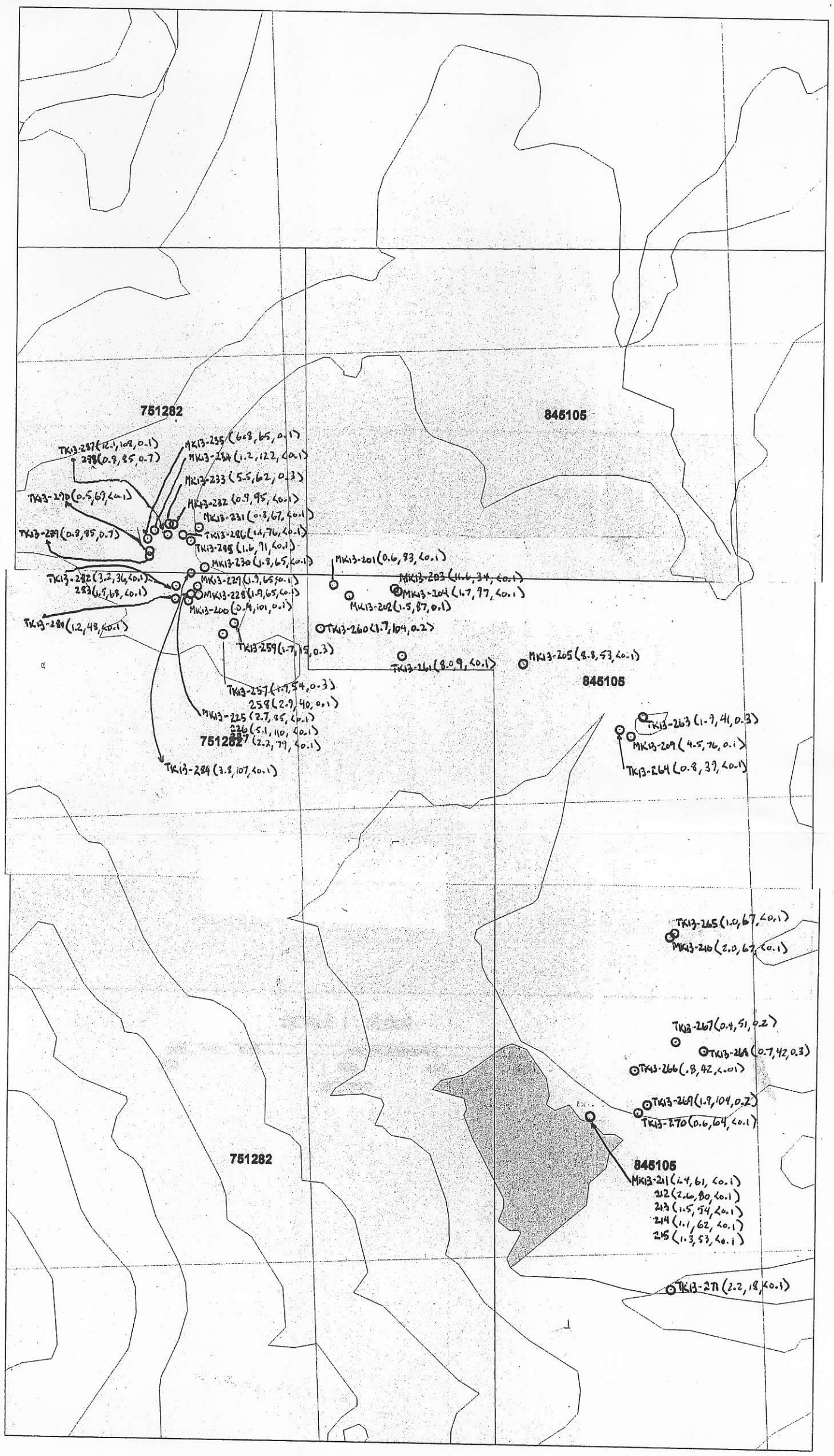


FIGURE 7B: GEOCHEM VALUES FOR:

LEAD (PPM), ZINC (PPM), SILVER (PPM)

LEGEND

O SAMPLE LOCATION

M(T)K13 - X (PB(PPM), ZN(PPM), AG(PPM))

SAMPLE NO ELEMENTS PLOTTED WITH LIMIT

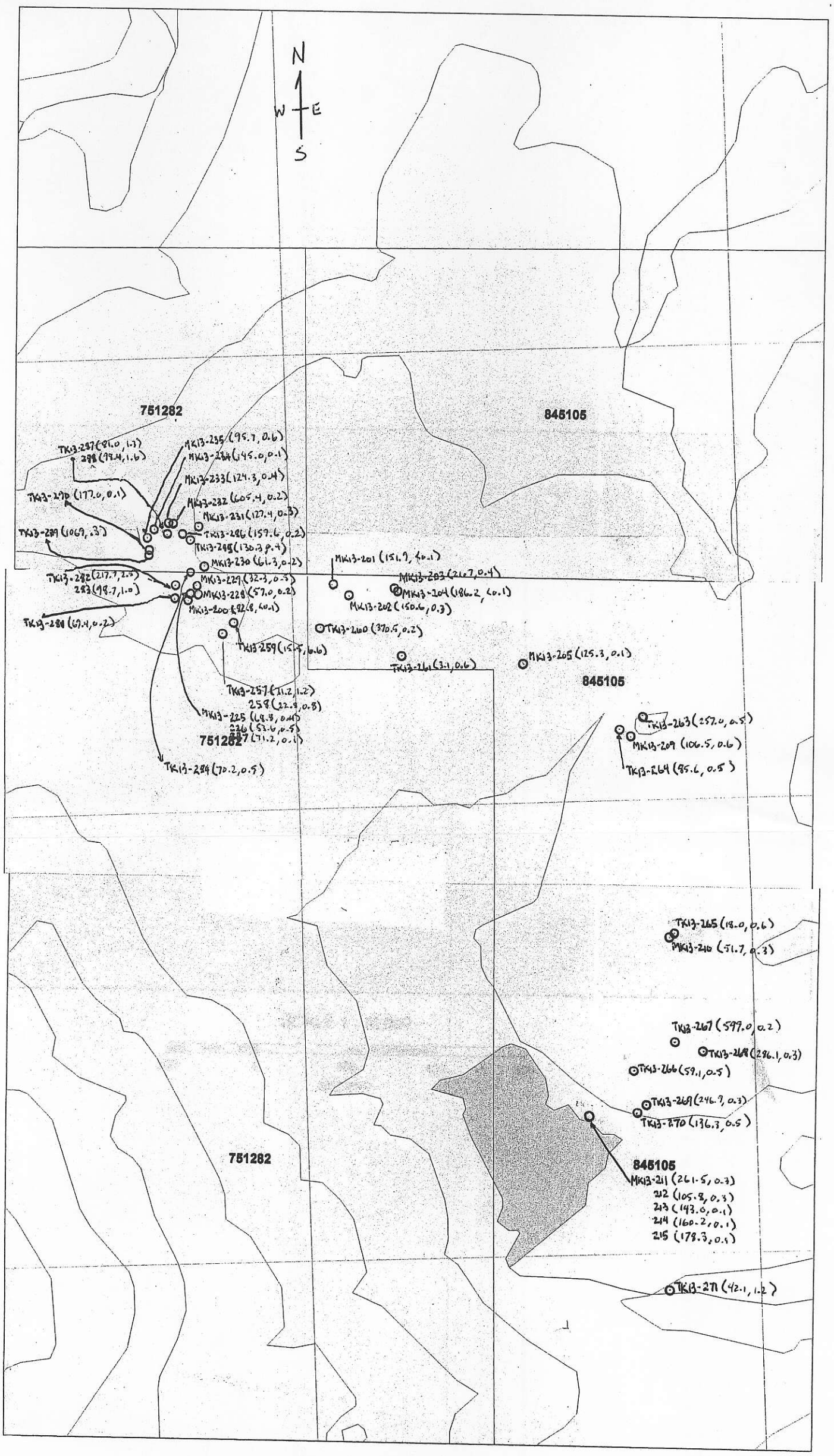


FIGURE 7C : GEOCHEM VALUES FOR COPPER (PPM) AND ANTIMONY (PPM)

LEGEND

○ SAMPLE LOCATION

MK13-x (Cu (PPM), Sb (PPM))

SAMPLE NO. ELEMENTS PLOTTED WITH UNIT