

YEIP
2002-009
2002

YEIP
2002-009
2002

Report
On
Phase #1
Alkaline Porphyry Copper Gold Recce Project

By
Bernie Kreft

For
Y.M.I.P.
Focused Regional Module
2002-9

Overview

Location – The project area is located in the central Yukon Territory, east, north-west and south-west of Carmacks

Access – Access was by helicopter or ATV to all targets in the project area

History – The project area has seen moderate amounts of exploration work in the search for various target types including placer gold, porphyry copper-gold and coal

Geology – Geological mapping (1:250,000 scale) shows the targets to be underlain by Triassic to Jurassic volcanics, intrusives and sediments. Epidote within the volcanics in the area of targets C1 to C4 is a widespread regional scale alteration feature

Work Program – Work consisted of a 5 day program of prospecting and silt sampling over 8 targets within the project area. Silt samples were sieved to minus 80 mesh where sufficient material existed, where there was insufficient minus 80 mesh, minus 40 mesh was used. All samples were analysed by International Plasma

Results – The program resulted in 10 silt samples and 32 rock samples

Conclusions – Recce style silt and rock sampling is not easily accomplished within any of the target areas. There was an almost total lack of silt development in the upper reaches of the various drainages that were to be sampled, and there is very limited rock exposure for prospecting. It is also very difficult to locate adequate landing spots for helicopters due to dense vegetation.

Recommendations – Further work is recommended as the exploration model is still valid and has not been fully assessed. Further work should consist of recce style soil sampling possibly in combination with geophysical surveying.

Budget	Bernie Kreft	(5 days x \$375/day)	=	\$1875 00
	Erwin Kreft	(4 days x \$200/day)	=	\$800 00
	Charles Waugh	(4 days)	=	\$900 00
	ATV Rental	(3 days x \$125/day)	=	\$375 00
	Truck Travel	(2048km x \$0.48/km)	=	\$983 04
	TNTA	(3.9 hours)	=	\$4369 07
	Assaying	(10 silt, 32 rock)	=	\$894 52
	Report Preparation	(2 days x \$375/day)	=	\$750 00
	Duplication		=	\$50 00
	Food And Camp Supplies	(13 man days x \$48/day)	=	\$624 00
		TOTAL	=	\$11620 63

Map A1

Location –	Located at UTM coordinates 514650E/6848800N, 7km west of the confluence of the Big Salmon and North Big Salmon Rivers, on NTS mapsheet 105-E-15, in the Whitehorse Mining District
Access –	Access was by helicopter from Carmacks, 92km one way A winter road passes 15km to the east
History –	Discovered in 1970, and explored several different times since, most recently by Noranda during 1986-1987 They completed soil sampling, hand trenching and geophysical surveys before dropping their option
Geology –	Geology consists of Upper Triassic Lewes River Group tuffs, basalt flows and limestone
Target –	Known showing indicating potential for alkalic porphyry copper-gold mineralization
Work Program –	A total of 3 rock samples and 3 silt samples were taken while evaluating the area of the showing Work conducted by Bernie Kreft, Erwin Kreft and Charles Waugh on July 3 rd
Results –	Only 3 silt samples were taken, no anomalous values were returned A rock sub-crop sample returned 4670 ppm copper and 121 ppb gold This sample represents new mineralization located 200m NW of the existing showing, limited prospecting did not locate a significant amount of mineralization at this site An angular float boulder/cobble of weakly chalcopyrite and malachite mineralized andesite was located 1.5km NW of the known showing
Conclusions –	Alkalic porphyry copper-gold type mineralization is present at this site Silt sampling is not a viable exploration method at this site The presence of angular copper mineralized float suggests the presence of further mineralized zones
Recommendations –	Further work is recommended, and should consist of grid soil sampling on a 2.0km x 2.0km grid (200m x 100m), with the baseline starting at the known showing and extending directly towards, and beyond, sample site CWA1R-1 Recce type prospecting to the south and east of the area of the grid is also warranted

Map A2

Location --	Located at UTM coordinates 503600E/6850000N, just east of Big Eddy on the Yukon River, on NTS mapsheet 105-E-15, in the Whitehorse Mining District
-------------	--

Access –	Access was by helicopter from Carmacks, 80km one way The Robert Campbell Highway is located 40km to the north
History –	There is no previous exploration work documented in the area
Geology –	Geology consists of Triassic to Jurassic volcanics and sediments
Target –	RGS silt sample site with highly anomalous copper
Work Program –	A total of 2 rock samples were taken while prospecting in the drainage basin upstream from the anomalous RGS silt sample site Work completed by Erwin Kreft, Bernie Kreft and Charles Waugh on July 3 rd
Results –	Two rock samples returning 196 ppm Cu and 1687 ppm Cu were taken from an area of malachite and azurite stained talus No silt samples were taken, as there was no silt development above the RGS site Much of the area is overburden covered
Conclusions –	Anomalous copper values in rock were returned from a new mineralized occurrence The full extent of the showing remains to be assessed as much of the area is covered by (what appears to be thin) overburden
Recommendations –	A 500m x 500m soil grid with sample spacings of 50m x 50m should be centred over the showing Prospecting and rock sampling should be concentrated within a 2 0km x 1 0km NW trending area centred over the discovery occurrence

Map A4

Location –	Located at UTM coordinates 482500E/6866450N, 2km north of Claire Lakes, on NTS mapsheet 105-E-14, in the Whitehorse Mining District
Access –	Access was by helicopter from Carmacks, 50km one way Bulldozer roads associated with forest fire fighting extend to within 10km to the west
History --	Coal was reportedly found by the GSC in the Claire Creek area during the 1960's The reported coal occurrence has reportedly never been followed up
Geology –	Geology consists of Triassic to Jurassic sediments and lesser volcanics Similar aged granitic plutons outcrop just west of the area prospected
Target –	RGS silt sample site with anomalous copper-gold
Work program –	A total of 2 silt samples and 5 rock samples were taken while prospecting in the vicinity of the RGS anomaly Work conducted by Erwin Kreft, Bernie Kreft and Charles Waugh on July 3 rd

Results – High background/weakly anomalous values of copper were returned from several grab samples of pyrite and pyrrhotite mineralized hornfelsed sedimentary rocks. Copper in silt values immediately downstream from the pyrite and pyrrhotite mineralized area are of similar tenor to values returned from rock samples.

Conclusions – The copper-gold RGS silt anomaly is adequately explained by the mineralization encountered.

Recommendations – No further work is recommended for this target area.

Map C1

Location – Located at UTM coordinates 440950E/6842000N, 2km south of Kirkland Creek, on NTS mapsheet 115-H-9, in the Whitehorse Mining District.

Access – Access was by helicopter from Carmacks, 45km one way. The Klondike Highway passes 10km to the east.

History – Staked as the Ah claims in 1967 by Atlas Exploration. Work included soil sampling and mapping.

Geology – Geology consists of Triassic to Jurassic volcanics and lesser sediments.

Target – RGS silt sample sites with anomalous copper, known showing.

Work Program – A total of 3 silt samples and 5 rock samples were taken while prospecting upstream of the anomalous RGS sites, and in the vicinity of the known showing. Work conducted by Bernie Kreft and Charles Waugh on July 7th.

Results – An anomalous copper value of 95 ppm was returned from silt sample CWKKS-1. This sample site is in a moderately overburden covered area, and may represent the presence of nearby mineralization. A sample of weakly brecciated diorite with trace chalcopyrite and trace potassic alteration (BKKKR-3) returned 303 ppm copper.

Conclusions – Anomalous copper values in silt and rock have been returned from a predominantly overburden covered area. Silt sampling is not an effective way to trace mineralization in this area.

Recommendations – Further work is recommended and should consist of soil sampling on a 1.0km x 0.5km grid oriented north/south, and extending 250m north of sample CWKKS-1 and 250m south of samples BKKKR-1/2/3, with the baseline running N/S directly between the above two sample areas/sites. Samples spaced 50m on lines spaced 100m apart.

Map C2

Location –	Located at UTM coordinates 436000E/6837075N, 5km south of Kirkland Creek, on NTS mapsheet 115-H-9, in the Whitehorse Mining District
Access –	Access was by helicopter from Carmacks, 45km one way The Klondike Highway passes 17km to the east
History –	No documented work has been conducted in the area
Geology –	Geology is mapped as Triassic to Jurassic volcanics and lesser sediments
Target –	RGS silt sample site with anomalous copper
Work Program –	Work consisted of prospecting within the copper anomalous drainage Work conducted by Bernie Kreft and Charles Waugh on July 7 th
Results –	No silt was encountered above the RGS sample site Only limited, un-mineralized outcrop was encountered
Conclusions –	Silt sampling is not a workable exploration method at this site, or in similar nearby terrain
Recommendations –	Contour soil sampling within the basin is recommended to explore for the source of the copper silt anomaly The execution of this program is dependant on favourable results being returned from work conducted on map C1

Map C3

Location –	Located at UTM coordinates 438950E/6834375N, 4km north of Cattle Creek, on NTS mapsheet 115-H-9 in the Whitehorse Mining District
Access –	Access was by helicopter from Carmacks, 54km one way An old tote road ends at the Mack's Copper prospect, 1 5km to the southeast
History –	Extensive exploration history since the discovery of Mack's Copper in 1904 Majority of this work was directed towards copper skarn potential of the area
Geology –	Triassic volcanics and minor sediments intruded by a syenite plug Volcanics are epidote altered on a regional scale
Target –	Possible porphyry copper potential associated with a skarn occurrence
Work Program –	Work consisted of prospecting to the northeast of the known showing Work conducted by Charles Waugh and Bernie Kreft on July 7 th
Results –	No mineralization was encountered

Conclusions – Limited potential for porphyry copper type mineralization exists in the area immediately to the northeast of Mack's Copper

Recommendations – No further work is recommended in this area

Map C4

Location – Located at UTM coordinates 422400E/6825200N, just east of Kirkland Creek, on NTS mapsheet 115-H-9, in the Whitehorse Mining District

Access – Access was by helicopter from Carmacks, 65km one way A tote trail extends from the Aishihik road to within 4km to the southwest

History – Staked as the Kirk claims by the Aishihik Syndicate, in 1967 Limited prospecting and soil sampling encountered minor amounts of copper and some low order soil anomalies

Geology – Target straddles the contact between Triassic andesite and a granodiorite intrusive of likely similar age

Target – Known showing with porphyry copper-gold potential

Work Program – Work consisted of silt sampling (2) and prospecting within a gully that cuts through the area of reported mineralization Work conducted by Charles Waugh and Bernie Kreft on July 7th

Results – Two silt samples were taken at this site No anomalous values were returned No mineralization was encountered during the prospecting traverse Placer workings from about the late 70's to early 80's are present at the apex of the alluvial delta formed by this gully The workings are not extensive, and involved hand methods only Extensive placer workings were noted to the SW at coordinates 822750N/421750E

Conclusions – Work conducted does not appear to suggest the presence of significant nearby hard-rock mineralization

Recommendations – No further hard-rock exploration work is recommended for this area Placer exploration may be warranted on creeks in this area that are large enough to have cut through a thick layer of till, and which are oriented perpendicular to glacial travel

Map B

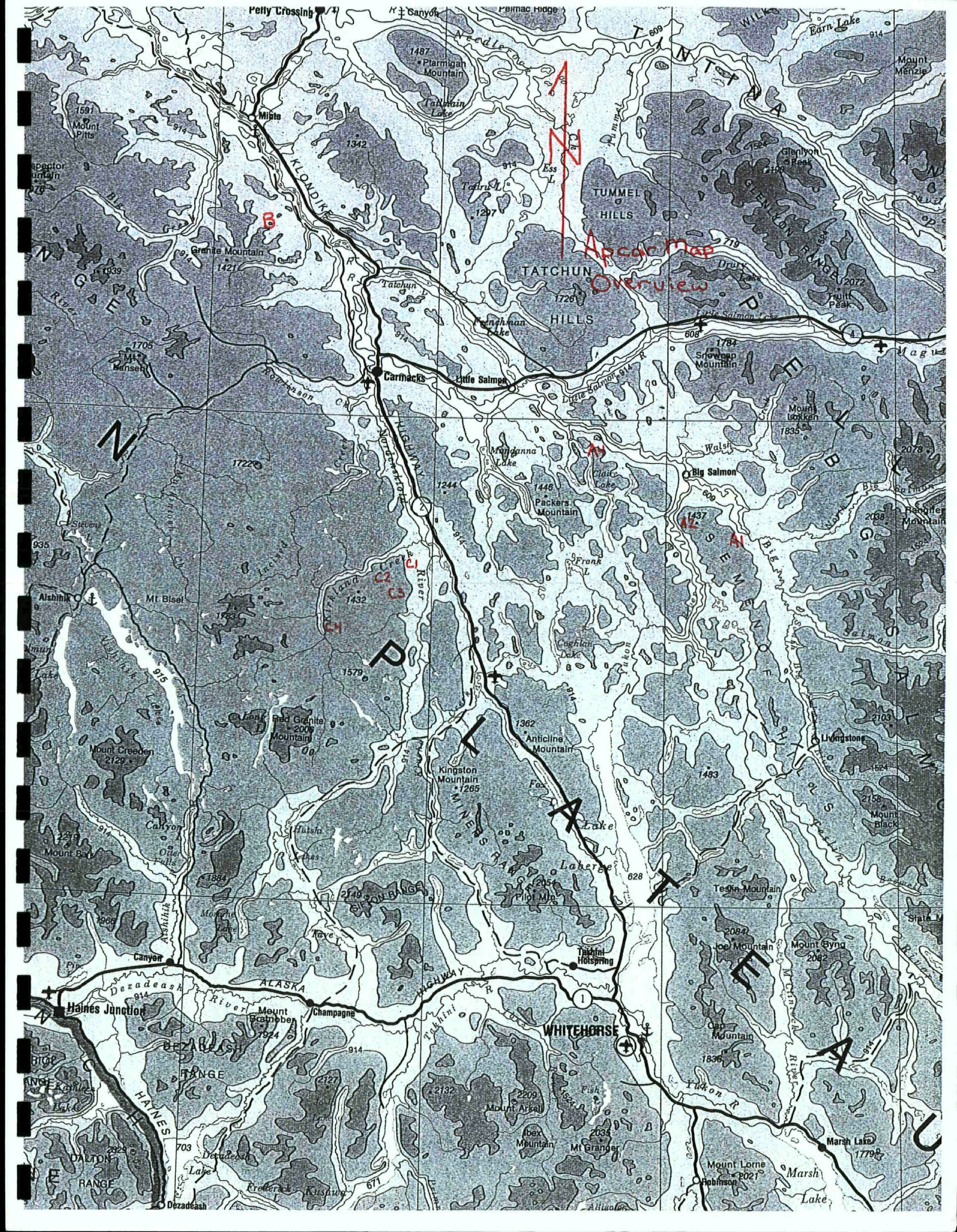
Location – Located at UTM coordinates 405150E/6921075N, 2km northwest of Hoochekoo Creek, on NTS mapsheet 115-I-7, in the Whitehorse Mining District

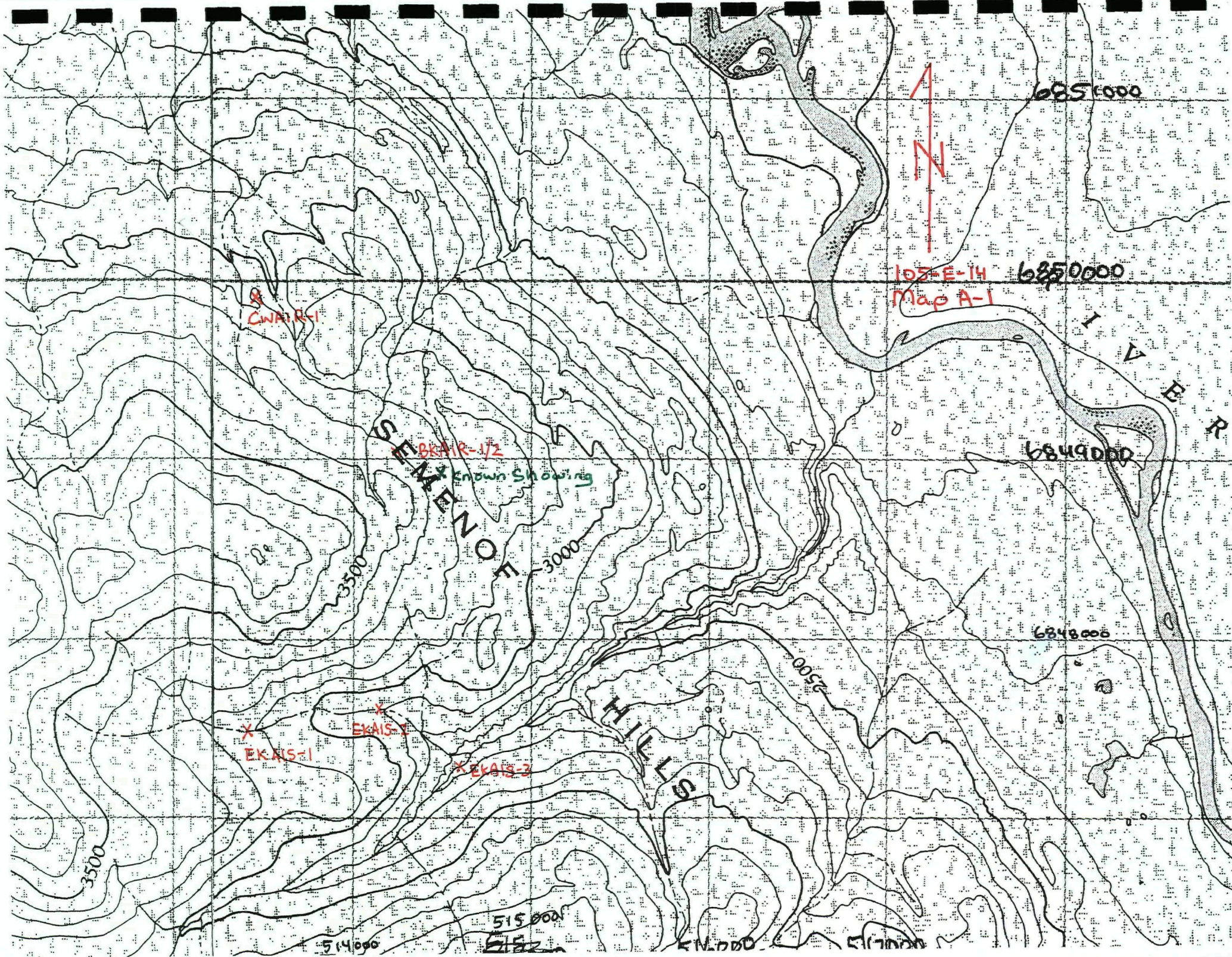
Access –	Access was by truck to the intersection of the Williams Creek deposit road and the Freegold road, then by ATV along a series of rough roads
History –	Discovered in 1976 by United Keno Hill Mines who conducted extensive work including diamond drilling, trenching, soil sampling and airborne as well as ground geophysics. Several high grade ddh intersections grading up to 3.51% Cu, 2.5 g/t Au and 18.4 g/t Ag over 13.5m were returned. Most results were much lower.
Geology –	Geology consists of Triassic volcanics and granodiorite
Target –	Known showing, and several unexplained copper soil anomalies underlain by both granodiorite and volcanics
Work Program –	Work consisted of prospecting in the vicinity of the showings and geochem anomalies. Work was conducted by Bernie Kreft, Erwin Kreft and Charles Waugh on June 6 th and June 8 th , and on June 5 th by Bernie Kreft and Erwin Kreft. A total of 24 claims were staked over the known occurrences.
Results –	Insufficient silt was encountered to conduct a silt sampling program. The majority of rock exposures are within old bulldozer trenches. It was therefore decided to re-sample old un-assayed sections of core. No new intersections of copper mineralization were encountered, and of the 13 samples of core, the highest result was 127ppm Cu. Limited sampling within trenches returned values of up to 13,536ppm Cu from a grab sample of foliated and heavily malachite stained gneissic biotite granite.
Conclusions –	Rece style silt sampling and prospecting cannot be easily accomplished within the area assessed due to a lack of outcrop and poor silt development.
Recommendations –	Further work is recommended for the target area. It should consist of soil sampling along wide spaced (400m-500m) NE/SW trending lines, at 25m sample spacings, with any anomalies (even single point) to be followed up by prospecting or excavator trenching.

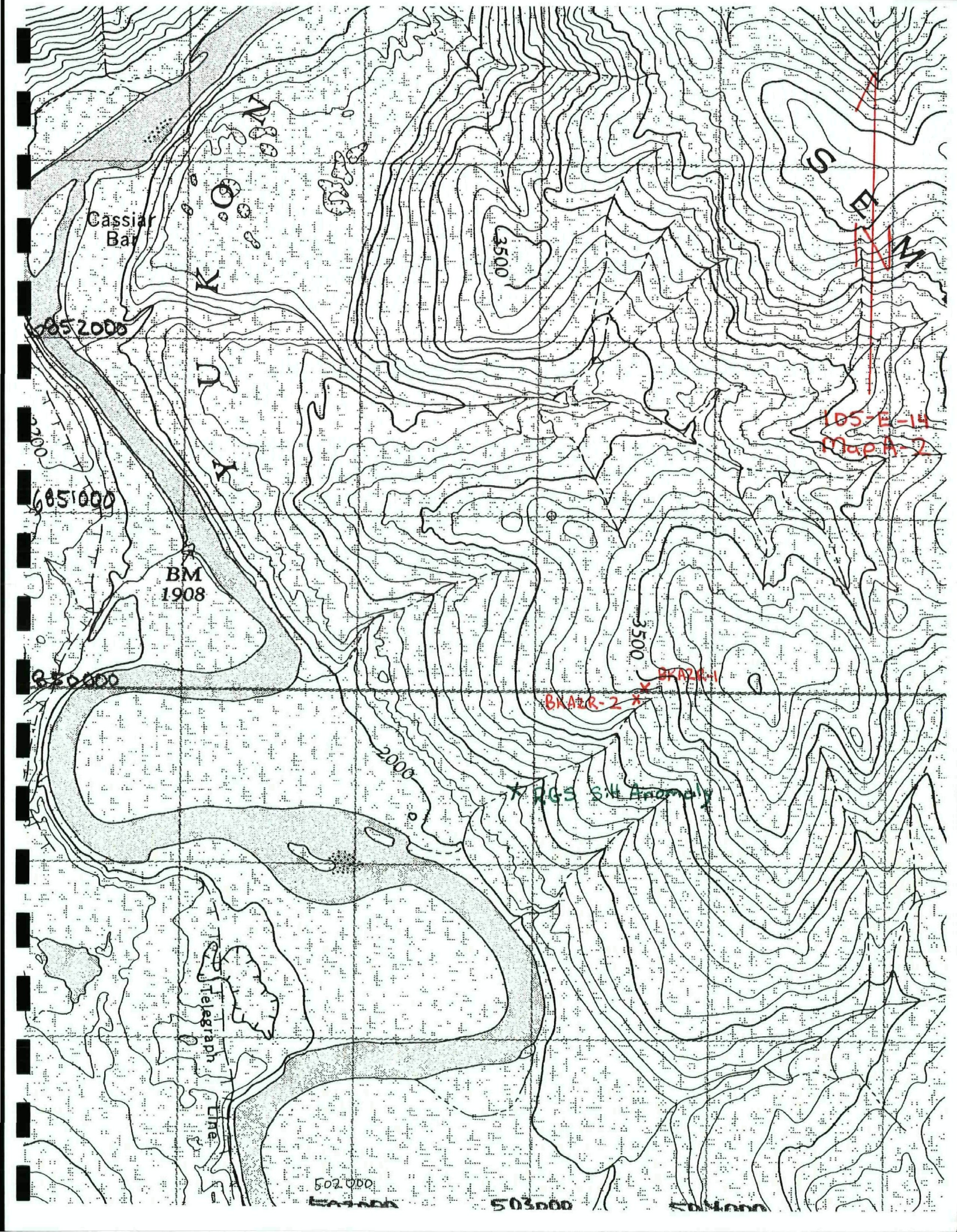
Rock Sample Descriptions

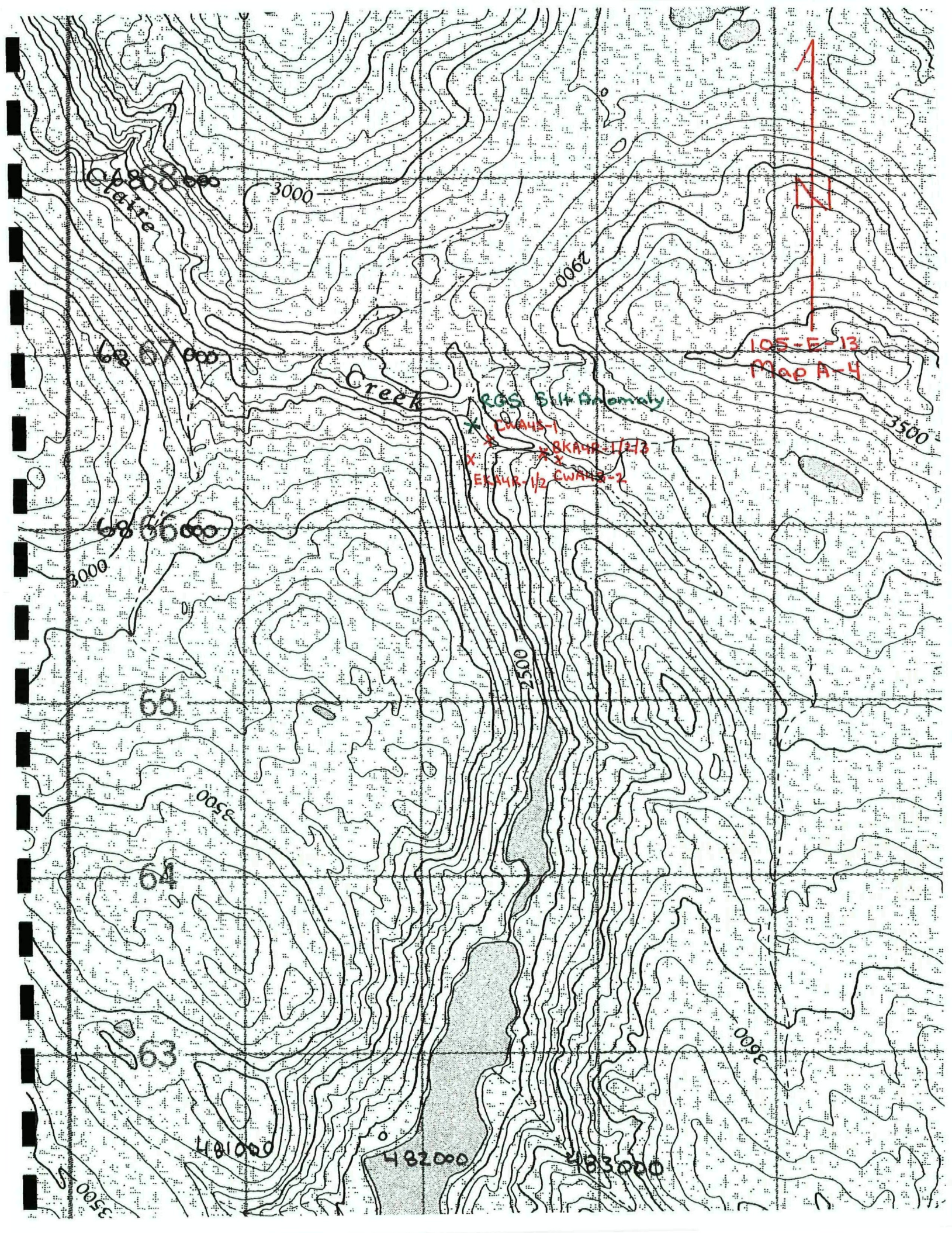
Stur-1	Foliated granodiorite hole 80-24, 500ft-520ft
Stur-2	Weakly epidote altered granite 80-24, 309ft-324ft
Stur-3	Weakly epidote and chlorite altered granodiorite 80-26, 287ft-307ft
Stur-4	gneissic biotite rich zone cut by several cm wide qtz veins trace malachite 4ft chip sample
Stur-5	grab sample qtz malachite vein
Stur-6	Weakly chlorite altered granite with qtz calcite and epidote along fractures 80-27, 473ft-496ft
Stur-7	80-28, 408ft-418ft granite cut by mafic dyke
Stur-8	potassic altered fracture zone 80-25, 503.4-523.6ft

Stur-9	weakly chlorite and epidote altered fracture zone in granodiorite 80-23, 568ft-588ft
Stur-10	547ft-569ft, 80-23 granodiorite with trace diss pyrite
Stur-11	80-25, 284 5ft-305 8ft, weakly epidote altered granodiorite
Stur-12	weakly limonitic and epidote altered granite 80-24, 256-279 1ft
Stur-13	grab weakly epidote altered mafic dyke 80-24, 208ft
Stur-14	80-25, 138 3ft-164ft granodiorite with weak epidote and trace pyrite
Stur-15	80-25, 164-184 2ft granodiorite with weak chlorite alteration
Stur-16	2 foot chip foliated biotite granite
Stur-17	rep grab malachite stained outcrop of foliated biotite granite
CWKKR-1	dense green fine grained hflsd sed with trace diss pyrite grab outcrop
BKKKR-1	weakly brecciated dense black rock (diorite?) with trace diss py and chalco, minute pink to red alteration haloes (potassic alteration?) formed around what is presumed to be chalco (possibly pyrite) grains, outcrop sample
BKKKR-2	as above, outcrop sample
BKKKR-3	as above
BKKKR-4	fine grained green hflsd sed with about 0 25% diss pyrite
CWA1R-1	heavily epidote altered andesite float boulder/cobble trace diss chalco, trace malachite
BKA1R-1	dioritic intrusive with weak limonite on fractures, calcite on fractures, trace malachite, subcrop
BKA1R-2	heavily epidote altered andesite with heavily diss chalco and malachite, subcrop
BKA2R-1	dense grey sed rock cut by a qtz calcite py Cu? Vein, subcrop
BKA2R-2	dense sed rock with malachite on fractures, subcrop
EKA4R-1	4ft chip sample of hflsd sed rock with limonite and pyrite on fractures
EKA4R-2	Skarn?? outcrop
BKA4R-1	fine sed cut by carbonate stkwk outcrop
BKA4R-2	very hard hflsd limonitic sed with py-po on fractures outcrop
BKA4R-3	proximal talus sample as above with about 5% py-po on fractures









N

105-E-13
Map A-4

RGS Sit Anomaly

* CWAN-1
* BKAN-1/2/3
* EKAN-1/2 CWAN-2

Creek

68 67 000

68 67 000

68 66 000

65

64

63

481000

482000

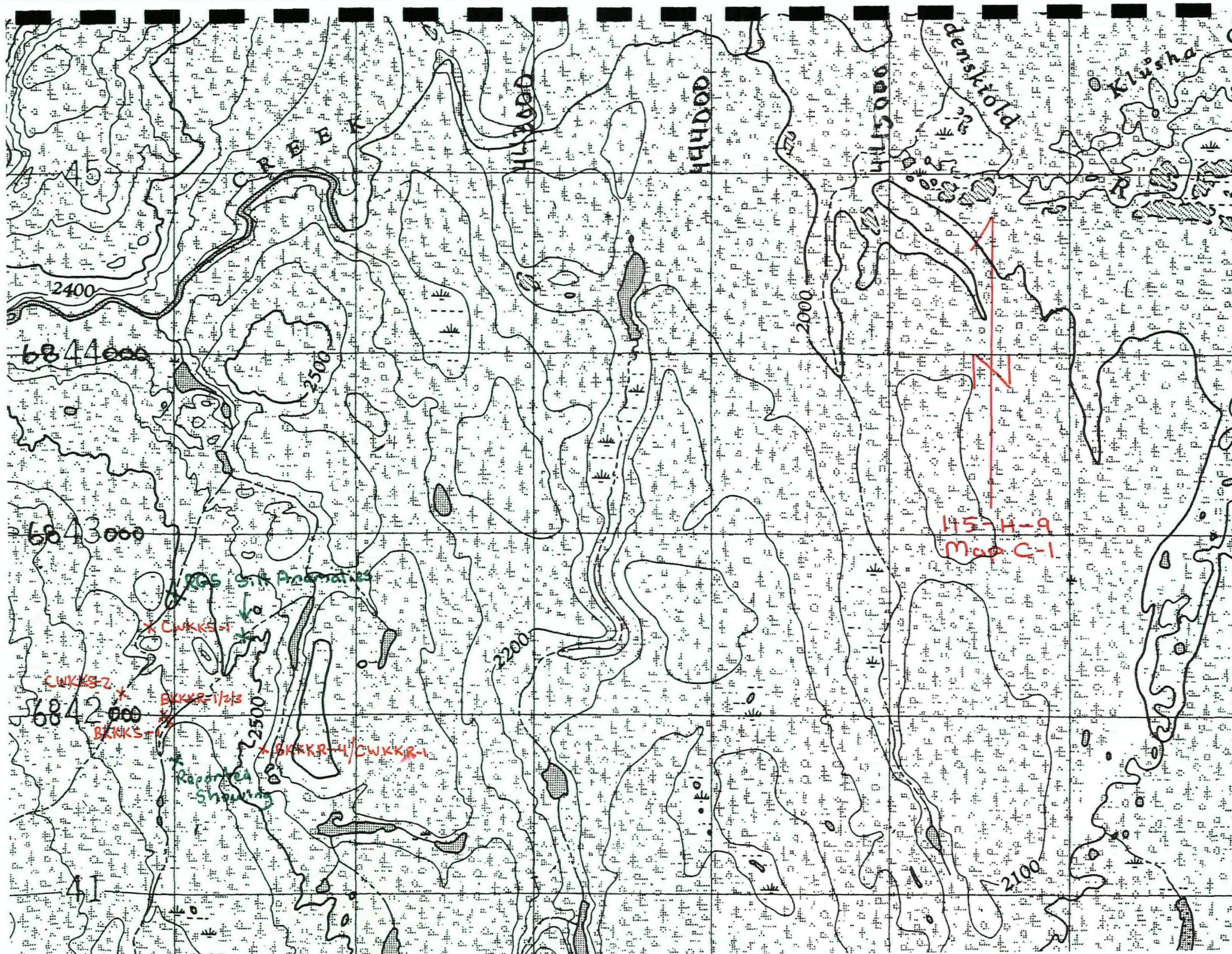
483000

3600

2500

3500

3000



denskiold

Kilua

115-H-9
Map C-1

RG5 S.A. Primitives

* CWKK5-1

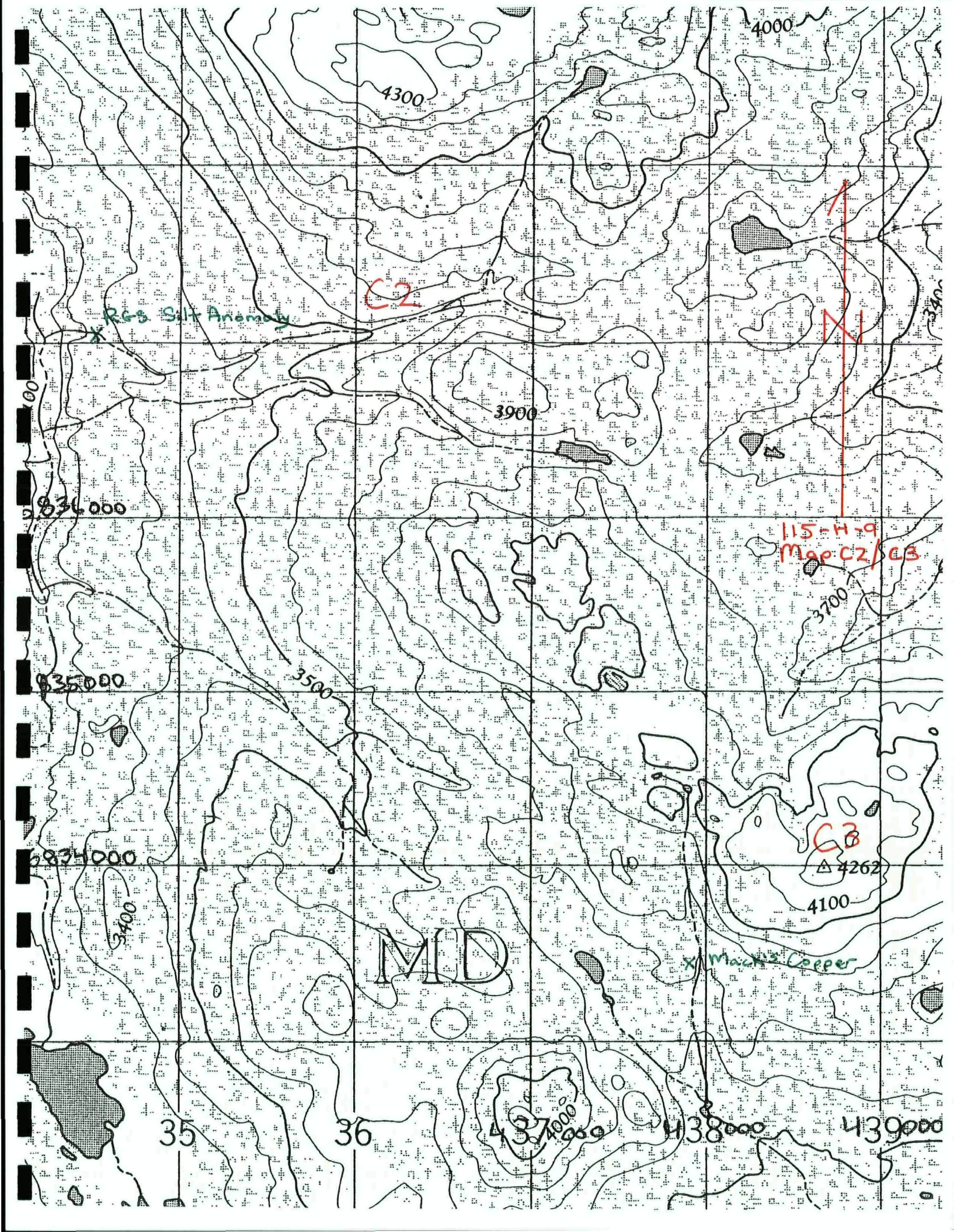
CWKK5-2

BKKR-1/2/3

BKK5-1

* BKKR-4/CWKK5-1

Reported
Shooting



C2

Res Salt Anomaly

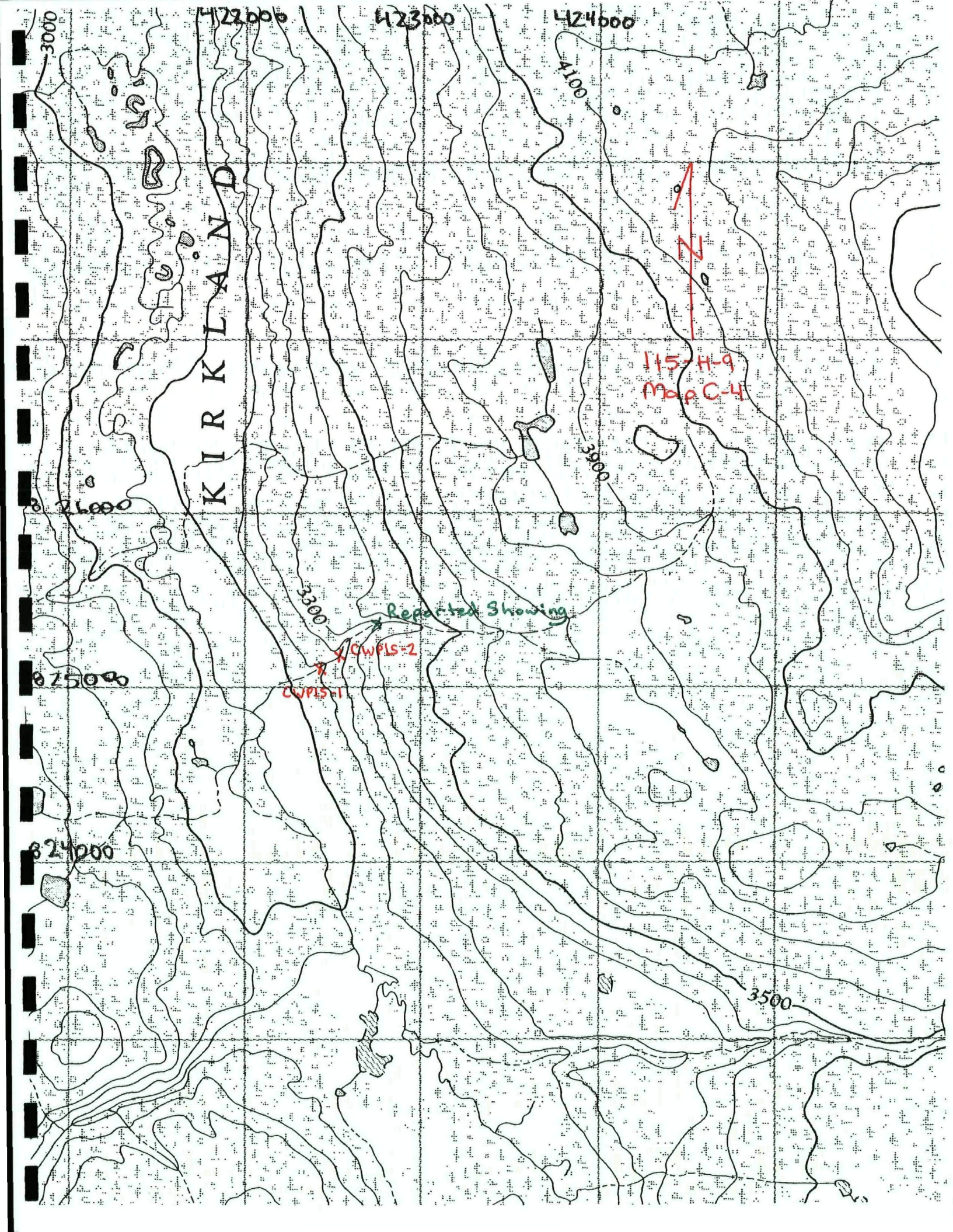
115-H-9
Map C2/C3

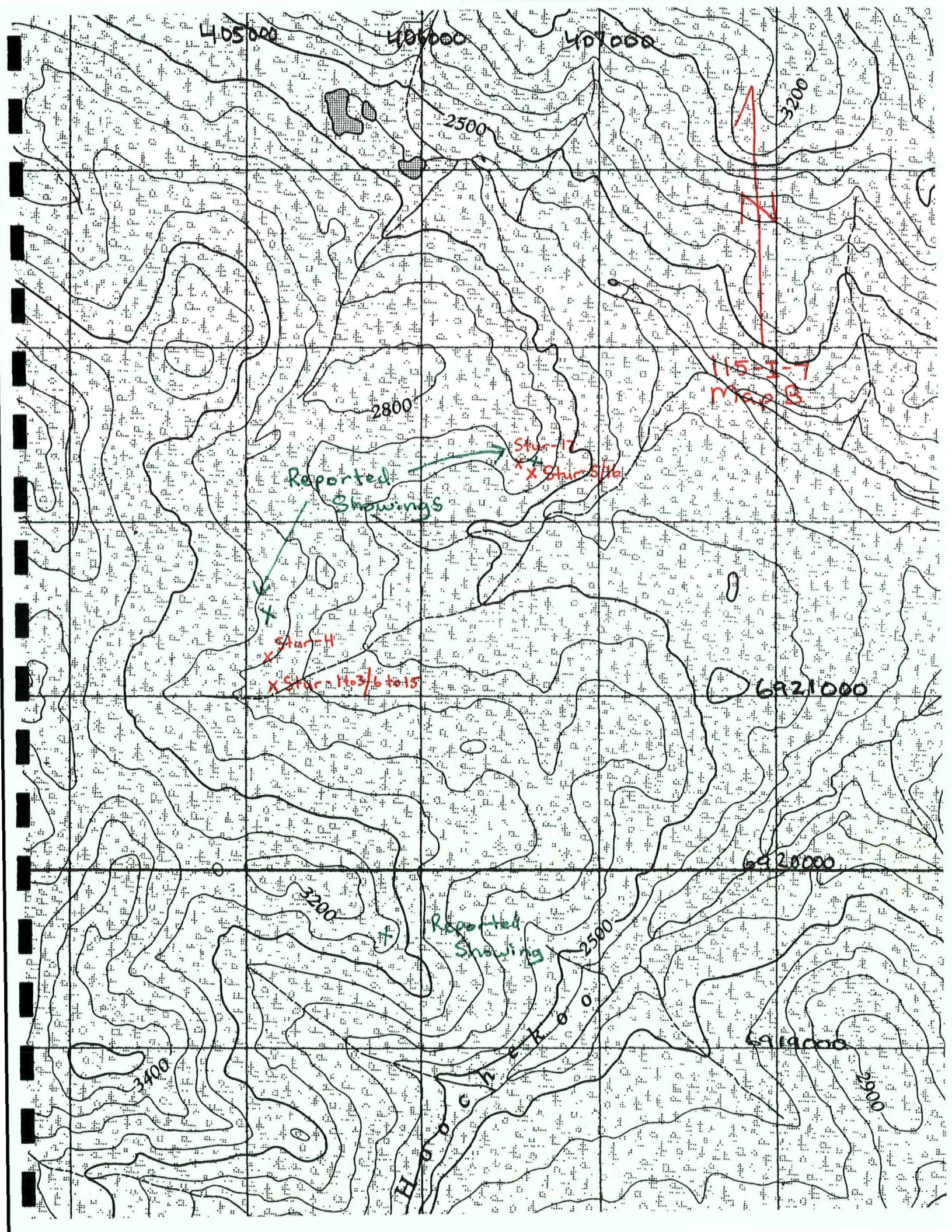
C3

△ 4262

MID

Mach's Cooper





07/10/2002

Certificate of Analysis

Page 1

Bernie Kreft

WO# 020009

Certified by _____

Sample #	Au ppb
r BKOL - 1	<5
r BKOL - 2	<5
r BKOL - 3	<5
r BKOL - 4	2650
r BKOL - 5	<5
r BKOL - 6	15
r BKOL - 7	556
r BKOL - 8	14
r STUR - 1	6
r STUR - 2	<5
r STUR - 3	<5
r STUR - 4	<5
r STUR - 5	61
r STUR - 6	<5
r STUR - 7	<5
r STUR - 8	<5
r STUR - 9	<5
r STUR - 10	39
r STUR - 11	<5
r STUR - 12	<5
r STUR - 13	<5
r STUR - 14	7
r STUR - 15	<5
r STUR - 16	6
r STUR - 17	40

Sample #	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Ti ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
BKOL 1	<0.1	61	119	575	<5	<5	<3	4	<10	<2	<0.1	43	50	10	<5	52	272	518	5	22	2	19	0.02	3.67	4.68	6.77	3.07	0.08	0.02	0.09
BKOL - 2	<0.1	15	7	61	<5	<5	<3	4	<10	<2	<0.1	34	55	8	<5	52	208	1371	3	15	2	11	0.04	3.68	2.04	8.6	2.09	0.1	0.02	0.09
BKOL 3	0.3	399	9	14	8	<5	<3	<1	<10	<2	<0.1	3	5	17	<5	23	5	155	22	1	4	1	<0.01	0.26	0.07	0.58	0.04	0.17	0.02	0.02
BKOL 4	0.2	838	4	26	405	<5	<3	3	<10	<2	<0.1	107	192	7	<5	98	5	1588	5	2	2	1	<0.01	0.4	0.17	2.89	0.44	0.11	0.02	0.01
BKOL - 5	0.2	1817	4	20	13	<5	<3	3	<10	<2	<0.1	17	46	5	<5	75	5	871	<2	4	1	1	<0.01	1.18	0.81	3.13	1.12	0.06	0.02	0.01
BKOL - 6	<0.1	769	8	50	19	<5	<3	5	<10	<2	<0.1	41	74	10	<5	45	15	9251	5	2	3	4	<0.01	1.7	0.11	10.76	1.91	0.06	0.01	0.01
BKOL 7	2.8	19500	9	28	381	<5	<3	3	<10	<2	<0.1	313	191	3	6	66	8	821	<2	9	2	4	<0.01	0.3	1.62	4.81	0.79	0.01	0.04	0.02
BKOL 8	<0.1	609	4	30	<5	<5	<3	3	<10	<2	<0.1	51	36	<2	<5	73	170	378	6	6	2	13	0.01	2.67	0.61	5.24	2.29	0.01	0.06	0.14
STUR 1	<0.1	127	7	51	<5	<5	<3	1	<10	<2	<0.1	10	4	1356	<5	75	22	506	14	76	<1	4	<0.01	0.98	2.9	1.92	0.47	0.19	0.04	0.08
STUR - 2	<0.1	42	8	48	<5	<5	<3	1	<10	<2	<0.1	6	4	261	<5	72	28	458	9	83	1	3	0.01	0.81	1.76	1.66	0.39	0.16	0.06	0.06
STUR 3	<0.1	60	4	53	<5	<5	<3	3	<10	<2	<0.1	22	17	280	5	53	90	364	9	45	2	7	0.21	1.68	1.68	2.91	1.74	0.3	0.12	0.23
STUR - 4	0.2	1550	6	62	<5	<5	<3	3	<10	<2	<0.1	14	2	276	<5	43	92	407	19	17	1	5	0.23	1.35	0.39	2.69	1.03	0.97	0.05	0.1
STUR - 5	0.5	2102	9	88	<5	<5	<3	3	<10	<2	<0.1	13	<1	35	<5	59	61	853	19	25	3	3	0.14	1.13	0.51	3.38	0.77	0.24	0.07	0.08
STUR 6	<0.1	30	5	53	<5	<5	<3	3	<10	<2	<0.1	9	1	89	<5	50	50	479	10	92	1	4	0.07	1.04	1.3	2.14	0.78	0.18	0.06	0.09
STUR - 7	<0.1	24	6	58	<5	<5	<3	2	<10	<2	<0.1	14	4	443	<5	33	80	498	11	81	2	6	0.18	2.04	2.85	2.7	1.15	0.16	0.1	0.15
STUR - 8	<0.1	6	<2																											

Certificate# 02H0828
 Client Northern Analytical Laboratories
 Project W O 020019
 No of Samples 79
 Date In Aug 02, 2002
 Date Out Aug 08, 2002

Sample Name SampleType	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
BKGRBS-1Pulp	<0.1	17	14	133	<5	<5	3
BKGRBS-2Pulp	0.1	19	23	221	<5	<5	<3
BKGRBS-3Pulp	0.1	25	36	637	<5	<5	<3
BKGRBS-4Pulp	0.2	34	37	818	<5	<5	<3
BKGRBS-5Pulp	0.1	35	18	290	<5	<5	<3
BKGRBS-6Pulp	0.2	43	24	278	<5	<5	<3
BKGRBS-7Pulp	0.1	43	22	249	<5	<5	<3
BKGRCS-1Pulp	0.1	106	46	230	<5	<5	<3
BKGRCS-2Pulp	<0.1	47	44	481	<5	<5	<3
BKGRCS-3Pulp	<0.1	63	39	295	<5	<5	<3
BKGRCS-4Pulp	<0.1	60	32	259	<5	<5	<3
BKGRCS-5Pulp	<0.1	51	35	210	<5	<5	<3
BKGRCS-6Pulp	<0.1	44	29	170	<5	<5	<3
BKGRCS-7Pulp	<0.1	46	37	215	<5	<5	<3
BKGRCS-8Pulp	<0.1	47	33	211	<5	<5	<3
BKGRS-1 Pulp	0.1	61	12	84	<5	<5	<3
BKGRS-2 Pulp	<0.1	50	16	80	<5	<5	<3
BKGRS-3 Pulp	0.1	95	10	75	<5	<5	<3
BKGRS-4 Pulp	<0.1	57	10	57	<5	<5	<3
BKGRS-5 Pulp	<0.1	32	15	48	<5	<5	<3
BKKKS-1 Pulp	<0.1	47	11	66	<5	<5	<3
BKMELS-1Pulp	0.2	95	16	74	<5	<5	<3
BKMELS-2Pulp	0.2	161	19	59	13	5	<3
BKMELS-3Pulp	0.7	99	19	36	<5	<5	<3
BKMELS-4Pulp	0.1	79	21	76	<5	<5	<3
BKMELS-5Pulp	<0.1	60	11	22	<5	<5	<3
BKMELS-6Pulp	<0.1	108	6	26	<5	<5	<3
BKMELS-7Pulp	<0.1	89	8	22	<5	<5	<3
BKMELS-8Pulp	0.1	72	8	29	<5	<5	<3
BKNEWS-1Pulp	0.1	134	15	32	<5	<5	<3
BKNEWS-2Pulp	0.1	136	18	34	<5	<5	<3
BKNEWS-3Pulp	0.1	157	22	33	<5	<5	<3
BKOLS-1 Pulp	0.1	61	55	92	<5	5	<3
BKOLS-2 Pulp	0.1	74	42	85	<5	<5	<3
BKOLS-3 Pulp	0.6	145	98	281	62	<5	<3
BKOLS-4 Pulp	0.3	361	25	64	19	<5	<3
BKOLS-5 Pulp	<0.1	205	19	50	<5	<5	<3
BKOLS-6 Pulp	0.1	59	16	58	<5	<5	<3
CWA4S-1 Pulp	1	143	42	167	<5	<5	<3
CWA4S-2 Pulp	0.1	141	19	110	<5	<5	<3
CWGRBS-1Pulp	0.3	90	53	706	<5	<5	<3

CWGRBS2Pulp	0 4	39	21	336	<5	<5	<3
CWGRBS3Pulp	0 3	64	41	637	<5	<5	<3
CWGRBS4Pulp	<0 1	61	27	197	<5	<5	<3
CWGRBS5Pulp	0 2	49	38	471	<5	<5	<3
CWGRBS6Pulp	0 2	47	33	496	<5	<5	<3
CWGRBS7Pulp	0 1	37	20	272	<5	<5	<3
CWGRBS8Pulp	0 3	39	34	389	<5	<5	<3
CWGRCS1Pulp	0 2	75	25	140	<5	<5	<3
CWGRCS2Pulp	0 4	74	20	140	<5	<5	<3
CWGRCS3Pulp	1 2	84	16	218	<5	<5	<3
CWGRCS4Pulp	0 2	87	30	218	<5	<5	<3
CWGRDS1Pulp	1	396	423	180	443	34	<3
CWGRDS2Pulp	<0 1	46	18	87	<5	<5	<3
CWGRDS3Pulp	0 1	74	21	107	<5	<5	<3
CWGRDS4Pulp	0 2	75	26	151	<5	<5	<3
CWGRDS5Pulp	0 2	71	23	150	<5	<5	<3
CWGRDS6Pulp	0 2	82	31	166	<5	<5	<3
CWGRDS7Pulp	<0 1	62	14	94	<5	<5	<3
CWGRDS8Pulp	0 1	68	17	148	<5	<5	<3
CWKKS-1 Pulp	<0 1	93	14	76	<5	<5	<3
CWKKS-2 Pulp	<0 1	54	68	167	<5	<5	<3
CWPLS-1 Pulp	<0 1	12	8	40	<5	<5	<3
CWPLS-2 Pulp	<0 1	11	11	37	<5	<5	<3
EKA1S-1 Pulp	<0 1	28	10	44	<5	<5	<3
EKA1S-2 Pulp	<0 1	26	17	45	<5	<5	<3
EKA1S-3 Pulp	<0 1	50	13	57	<5	<5	<3
EKGRBS-1Pulp	<0 1	9	8	31	<5	<5	<3
EKGRBS-2Pulp	<0 1	10	17	40	<5	<5	<3
EKGRBS-3Pulp	<0 1	15	14	60	<5	<5	<3
EKGRBS-4Pulp	0 3	10	7	48	<5	<5	<3
EKGRBS-5Pulp	<0 1	14	17	65	<5	<5	<3
EKGRCS-1Pulp	0 3	52	18	285	<5	<5	<3
EKGRCS-2Pulp	0 1	89	24	210	<5	<5	<3
EKGRCS-3Pulp	<0 1	80	22	185	<5	<5	<3
EKGRCS-4Pulp	0 1	66	28	173	<5	<5	<3
EKGRCS-5Pulp	0 1	67	32	194	<5	<5	<3
EKGRDS-1Pulp	<0 1	44	17	60	<5	<5	<3
EKGRDS-2Pulp	<0 1	22	6	48	<5	<5	<3
Minimum detection	0 1	1	2	1	5	5	3
Maximum detection	100	20000	20000	20000	10000	1000	10000
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
6	<10	<2	<0.1	10	21	203	11	13
5	<10	<2	1.3	11	21	169	12	16
7	<10	<2	3.8	12	41	175	8	20
7	<10	<2	6.2	14	60	170	12	25
5	<10	<2	0.3	16	39	197	14	23
8	<10	<2	<0.1	16	41	210	8	24
9	<10	<2	<0.1	12	39	209	16	32
4	<10	<2	<0.1	20	38	146	11	44
3	<10	<2	<0.1	19	166	210	10	78
5	<10	<2	<0.1	20	135	191	13	83
6	<10	<2	<0.1	21	98	264	13	70
4	<10	<2	<0.1	20	74	198	11	55
6	<10	<2	<0.1	19	64	249	10	75
4	<10	<2	<0.1	18	63	323	16	49
3	<10	3	<0.1	18	60	276	10	55
4	<10	<2	<0.1	21	40	354	15	27
5	<10	<2	<0.1	21	30	297	12	28
5	<10	<2	<0.1	16	30	356	14	30
3	<10	<2	<0.1	16	20	268	14	24
3	<10	<2	<0.1	15	16	307	12	29
3	<10	<2	<0.1	11	9	119	12	18
7	<10	<2	<0.1	46	45	68	15	11
6	<10	<2	<0.1	48	52	78	10	11
5	<10	<2	<0.1	43	53	88	17	14
4	<10	<2	<0.1	28	29	57	13	13
3	<10	<2	<0.1	18	15	46	14	9
4	<10	<2	<0.1	25	17	49	16	4
3	<10	<2	<0.1	19	17	35	13	4
4	<10	<2	<0.1	18	22	42	15	9
4	<10	<2	<0.1	25	28	145	16	13
4	<10	<2	<0.1	27	29	174	10	13
5	<10	<2	<0.1	26	22	161	15	12
8	<10	<2	<0.1	23	25	64	13	14
7	<10	<2	<0.1	22	29	40	13	17
11	<10	4	<0.1	30	52	62	10	10
7	<10	<2	<0.1	57	62	74	14	11
5	<10	4	<0.1	34	43	99	20	25
4	<10	<2	<0.1	24	23	59	8	8
11	<10	<2	<0.1	37	24	56	12	30
13	<10	<2	<0.1	49	31	86	13	42
9	<10	<2	2.2	24	69	609	24	34

12	<10	<2	1	10	70	78	12	14
11	<10	<2	2 7	21	87	359	14	28
6	<10	<2	<0 1	16	31	417	16	35
9	<10	<2	<0 1	17	62	362	10	31
10	<10	<2	0 9	17	62	318	20	26
6	<10	<2	0 1	16	34	202	11	21
8	<10	<2	1 1	14	59	239	13	30
9	<10	<2	<0 1	28	76	325	12	91
10	<10	<2	<0 1	26	73	308	13	85
25	<10	<2	<0 1	13	54	189	8	15
9	<10	<2	<0 1	32	77	364	17	91
8	<10	3	<0 1	30	100	221	184	167
5	<10	<2	<0 1	29	26	266	13	40
7	<10	<2	<0 1	25	37	267	12	30
10	<10	<2	<0 1	29	78	311	8	93
9	<10	<2	<0 1	30	98	318	17	105
11	<10	<2	<0 1	31	96	327	10	111
8	<10	<2	<0 1	26	127	272	12	161
8	<10	<2	<0 1	30	119	275	18	127
8	<10	<2	<0 1	44	29	370	23	49
7	<10	<2	<0 1	25	28	274	13	63
3	<10	<2	<0 1	8	7	110	13	12
3	<10	<2	<0 1	8	4	103	17	13
4	<10	<2	<0 1	13	15	144	11	30
3	<10	<2	<0 1	13	17	152	14	27
4	<10	<2	<0 1	17	21	148	10	34
3	<10	<2	<0 1	7	10	40	20	11
2	<10	<2	<0 1	8	8	48	13	14
4	<10	<2	<0 1	10	14	88	18	17
2	<10	<2	<0 1	9	11	66	10	14
2	<10	<2	<0 1	9	14	103	15	19
10	<10	<2	<0 1	17	68	947	13	35
7	<10	<2	<0 1	25	86	441	12	98
7	<10	<2	<0 1	22	66	498	6	78
8	<10	3	<0 1	20	53	340	9	65
9	<10	5	<0 1	20	58	290	12	69
4	<10	<2	<0 1	16	14	187	9	25
3	<10	<2	<0 1	15	11	80	15	14
1	10	2	0 1	1	1	2	5	1
1000 ICP	1000 ICP	10000 ICP	100 ICP	10000 ICP	10000 ICP	10000 ICP	1000 ICP	10000 ICP

V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %
46	913	20	25	1	2	0 06	1 02	0 63
53	573	30	30	1	2	0 07	1 21	0 81
128	444	21	41	1	3	0 07	1 49	0 88
185	472	25	38	1	4	0 07	1 72	1 08
97	553	32	46	1	4	0 09	1 75	0 89
114	559	32	46	2	4	0 09	1 86	1 05
106	379	21	42	<1	3	0 06	1 61	1 7
48	475	11	37	1	3	0 06	1 2	1 72
29	423	25	25	2	1	0 02	1 13	0 84
35	1008	18	41	1	2	0 03	1 03	2 22
44	2265	12	45	2	2	0 04	0 92	2 09
40	1486	14	36	2	2	0 04	1	1 56
41	2143	13	34	1	2	0 04	0 88	1 31
32	1660	13	39	1	2	0 03	0 93	1 68
35	1177	15	39	1	2	0 04	0 9	2 06
59	3678	13	126	3	5	0 06	1 04	2 03
72	2185	13	97	4	5	0 07	1 11	1 7
62	1161	11	110	3	5	0 05	1 07	1 66
66	1059	11	85	4	5	0 08	1 17	1 28
83	1999	14	94	4	5	0 09	1 14	1 27
58	506	8	66	2	5	0.04	1 42	1 33
21	4177	18	14	5	5	0 01	0 71	0 56
19	3888	19	12	3	5	0 01	0 62	0 4
15	2167	12	12	4	2	<0 01	0 46	0 18
15	1470	28	5	2	2	0 01	0 85	0 08
15	1001	29	3	1	2	0 01	0 88	0 07
42	1244	18	2	3	2	<0 01	0 42	0 04
24	1006	18	1	4	1	<0.01	0 38	0 03
14	1091	21	3	2	2	0 01	0 68	0 05
28	1459	20	3	4	3	0 01	1 11	0 14
25	1577	21	4	4	3	0 01	1 06	0 15
23	1559	20	4	6	3	<0 01	0 96	0 21
24	2682	17	18	3	4	0 02	1 02	6 95
27	1956	12	20	3	4	0 02	1 08	9 95
26	2811	18	20	2	4	0 01	0 63	5 76
20	3846	16	11	3	5	0 01	0 7	0 33
34	2032	19	11	2	4	0 02	1 14	0 22
13	2105	19	8	2	2	0 01	0 56	0 2
147	963	5	64	6	11	0 12	3 28	2 55
208	1263	6	91	10	17	0 28	3 99	3 93
158	600	24	75	2	5	0 09	2 48	1 44

[illegible]

Fe %	Mg %	K %	Na %	P %
1 6	0 51	0 13	0 06	0 14
1 68	0 63	0 19	0 06	0 14
1 96	1 11	0 24	0 06	0 18
2 39	1 42	0 27	0 07	0 17
2 38	1 1	0 38	0 07	0 15
2 61	1 21	0 41	0 07	0 16
2 01	1 39	0 42	0 08	0 15
2 75	1 48	0 07	0 05	0 08
2 97	1 18	0 05	0 06	0 08
2 97	1 61	0 06	0 05	0 08
4 17	1 44	0 04	0 05	0 09
3 08	1 29	0 05	0 05	0 07
3 36	1 11	0 04	0 05	0 08
2 86	1 13	0 05	0 05	0 08
2 78	1 09	0 05	0 05	0 08
2 93	0 8	0 08	0 06	0 09
3 23	0 88	0 07	0 05	0 09
2 85	0 78	0 07	0 06	0 09
2 65	0 91	0 06	0 06	0 09
2 85	0 79	0 06	0 06	0 09
2 76	0 52	0 1	0 07	0 08
5 89	0 61	0 09	0 05	0 05
5 2	0 43	0 09	0 05	0 05
4 81	0 37	0 06	0 05	0 04
4 16	0 35	0 09	0 05	0 03
2 7	0 4	0 09	0 05	0 02
4 88	0 18	0 05	0 05	0 02
4	0 16	0 04	0 05	0 02
3 99	0 33	0 05	0 04	0 02
4 03	0 8	0 07	0 05	0 03
4 05	0 74	0 06	0 04	0 03
4 33	0 68	0 06	0 04	0 03
3 22	4 75	0 15	0 05	0 06
3 36	5 07	0 2	0 05	0 04
4 61	3 29	0 13	0 05	0 08
5 7	0 46	0 09	0 05	0 04
4 94	0 56	0 1	0 05	0 05
4 06	0 34	0 06	0 05	0 04
6 33	1 35	0 07	0 08	0 07
7 03	1 69	0 05	0 08	0 07
3 73	1 72	0 67	0 08	0 24

1 79	1 71	0 25	0 05	0 13
3 24	1 53	0 46	0 07	0 18
3 06	1 64	0 62	0 08	0 21
2 84	1 83	0 51	0 08	0 22
2 75	1 55	0 47	0 08	0 2
2 32	0 91	0 33	0 08	0 19
2 28	1 79	0 51	0 07	0 16
3 92	1 78	0 54	0 09	0 12
3 88	1 68	0 47	0 08	0 13
2 43	0 58	0 11	0 05	0 22
4 45	2	0 68	0 1	0 12
3 81	2 36	0 2	0 13	0 07
4 55	1 87	0 08	0 06	0 09
3 71	1 06	0 09	0 06	0 06
4 1	1 8	0 46	0 09	0 12
4 01	2 18	0 56	0 09	0 09
4 34	2 22	0 49	0 08	0 11
4 34	1 53	0 41	0 08	0 17
4 01	1 67	0 4	0 08	0 16
5 89	1 35	0 08	0 1	0 09
3 64	1 64	0 19	0 11	0 09
1 81	0 3	0 08	0 07	0 08
1 94	0 28	0 06	0 07	0 08
2 55	0 68	0 07	0 07	0 08
2 11	0 67	0 06	0 07	0 08
3 08	1 02	0 06	0 07	0 08
1 14	0 32	0 18	0 06	0 23
1 32	0 43	0 23	0 06	0 12
1 68	0 52	0 29	0 06	0 15
1 29	0 41	0 22	0 06	0 16
1 5	0 48	0 28	0 06	0 63
2 8	1 66	0 1	0 05	0 12
3 02	2 24	0 14	0 05	0 09
2 72	2 02	0 13	0 05	0 08
3 12	1 99	0 1	0 05	0 09
3 16	1 98	0 11	0 05	0 08
2 85	1	0 07	0 06	0 08
2 53	1 15	0 04	0 05	0 06
0 01	0 01	0 01	0 01	0 01
10	10	10	5	5
ICP	ICP	ICP	ICP	ICP

Certificate# 02H0827
 Client Northern Analytical Laboratories
 Project W O 020019
 No of Samples 68
 Date In Aug 02, 2002
 Date Out Aug 08, 2002

Sample Name	SampleType	Au ppb	Ag ppm	Cu ppm	Pb ppm
BJA1R-1	Pulp	<5	<0.1	59	8
BJA1R-2	Pulp	121	1	4670	8
BJA2R-1	Pulp	<5	0.1	196	17
BJA2R-2	Pulp	<5	0.1	1687	15
BJA4R-1	Pulp	<5	<0.1	39	25
BJA4R-2	Pulp	<5	0.1	99	17
BJA4R-3	Pulp	<5	0.1	101	18
BKFAR-1	Pulp	76	3.3	7785	24
BKFAR-2	Pulp	17	3	5715	111
BKFAR-3	Pulp	5	0.2	129	27
BKFAAR-1	Pulp	<5	<0.1	7	12
BKFAAR-2	Pulp	41	2.8	19198	<2
BKFAAR-3	Pulp	<5	<0.1	95	<2
BKFAAR-4	Pulp	<5	<0.1	852	<2
BKFAAR-5	Pulp	<5	<0.1	292	18
BKFAAR-6	Pulp	<5	<0.1	57	3
BKFAAR-7	Pulp	<5	<0.1	262	8
BKFAAR-8	Pulp	15	<0.1	564	13
BKFAAR-9	Pulp	<5	<0.1	15	2
BKFAAR-10	Pulp	<5	<0.1	655	19
BKFBR-1	Pulp	<5	<0.1	393	8
BKFBR-2	Pulp	<5	<0.1	135	14
BKFBR-3	Pulp	<5	<0.1	217	18
BKFBR-4	Pulp	<5	<0.1	47	19
BKFBR-5	Pulp	<5	<0.1	121	9
BKFBR-6	Pulp	8	3.6	61	9
BKFBR-7	Pulp	227	1.7	8257	110
BKFER-1	Pulp	209	<0.1	4541	13
BKKKR-1	Pulp	5	<0.1	85	15
BKKKR-2	Pulp	<5	<0.1	193	25
BKKKR-3	Pulp	<5	<0.1	303	16
BKKKR-4	Pulp	12	0.2	181	15
BKMELR-1	Pulp	94	1.8	5223	8
BKMELR-2	Pulp	8	<0.1	90	<2
BKMELR-3	Pulp	24	<0.1	66	2
BKMELR-4	Pulp	633	3	7960	3
BKMELR-5	Pulp	80	0.9	1577	5
BKMELR-6	Pulp	39	<0.1	72	<2
BKMELR-7	Pulp	<5	0.1	60	20
BKMELR-8	Pulp	28	0.9	2897	26
BKMELR-9	Pulp	<5	<0.1	225	25

BKMELR-10	Pulp	17	0 8	912	5 C A 1
BKMELR-11	Pulp	51	0 4	1965	<2
BKMELR-12	Pulp	17	2 3	2777	<2
BKMELR-13	Pulp	<5	0 1	111	40
BKMELR-14	Pulp	6	<0 1	18	<2
BKMELR-15	Pulp	5	0 2	2271	3 75
BKMELR-16	Pulp	225	36	191915	35 3
BKNEWWR-1	Pulp	9	<0 1	218	4
BKNEWWR-2	Pulp	6	<0 1	15	<2
CWA1R-1	Pulp	13	<0 1	139	9
CWKKR-1	Pulp	9	<0 1	124	14
EKA4R-1	Pulp	27	<0 1	172	169
EKA4R-2	Pulp	<5	<0 1	129	17
KGBFR-1	Pulp	224	1 9	6189	43 12
KGBFR-2	Pulp	7	<0 1	432	17
KGBFR-3	Pulp	13	0 1	1778	17
KGF-2	Pulp	28	0 7	1015	22 2
KGF-3	Pulp	16	1 5	7102	6
KGF-3A	Pulp	20	1 7	10180	18 12
KGF-3B	Pulp	8	0 6	4015	19
KGF-4	Pulp	13	<0 1	2582	5
QSBXR-1	Pulp	<5	0 4	964	21 25 50
QSBXR-2	Pulp	<5	<0 1	32	21
QSBXR-3	Pulp	<5	<0 1	46	18
QSBXR-4	Pulp	<5	<0 1	10	18 2
QSBXR-5	Pulp	<5	<0 1	14	8
QSBXR-6	Pulp	<5	<0 1	50	23
Minimum detection		5	0 1	1	2
Maximum detection		10000	100	20000	20000
Method		FA/AAS	ICP	ICP	ICP

□

Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm
32	<5	<5	<3	5	<10	<2	<0.1	17
9	<5	<5	<3	2	<10	<2	<0.1	11
27	<5	<5	<3	4	<10	<2	<0.1	19
51	<5	<5	<3	4	<10	<2	<0.1	38
44	<5	<5	<3	7	<10	<2	<0.1	25
41	<5	<5	<3	10	<10	<2	<0.1	24
130	<5	<5	<3	16	<10	<2	<0.1	27
22	367	<5	<3	2	<10	23	<0.1	135
535	8	<5	<3	3	<10	3	5.4	30
157	<5	<5	<3	10	<10	<2	<0.1	87
8	<5	<5	<3	6	<10	<2	<0.1	50
<1	22	<5	<3	4	<10	<2	<0.1	136
5	<5	<5	<3	10	<10	<2	<0.1	191
4	<5	<5	<3	3	<10	<2	<0.1	95
23	<5	<5	<3	5	<10	3	<0.1	42
10	<5	<5	<3	7	<10	<2	<0.1	213
5	<5	<5	<3	6	<10	<2	<0.1	39
16	<5	<5	<3	9	<10	<2	<0.1	102
12	<5	<5	<3	6	<10	<2	<0.1	11
35	<5	<5	<3	7	<10	<2	<0.1	19
7	<5	<5	<3	6	<10	9	<0.1	4
63	<5	<5	<3	7	<10	<2	<0.1	53
40	<5	<5	<3	6	<10	<2	<0.1	23
69	<5	<5	<3	6	<10	<2	<0.1	73
27	<5	<5	<3	6	<10	<2	<0.1	41
24	<5	<5	<3	11	<10	<2	<0.1	30
96	<5	<5	<3	19	<10	<2	<0.1	96
9	2979	<5	<3	4	<10	<2	<0.1	636
75	<5	<5	<3	5	<10	<2	<0.1	34
52	<5	<5	<3	6	<10	<2	<0.1	30
48	<5	<5	<3	5	<10	<2	<0.1	24
352	<5	<5	<3	7	<10	<2	<0.1	16
4	5724	<5	<3	4	<10	7	<0.1	2552
37	<5	<5	<3	6	<10	<2	<0.1	28
8	42	<5	<3	3	<10	<2	<0.1	23
11	364	<5	<3	10	<10	<2	<0.1	175
19	148	<5	<3	9	<10	<2	<0.1	83
7	8	<5	<3	1	<10	<2	<0.1	12
72	<5	<5	<3	9	<10	<2	<0.1	43
24	110	<5	<3	5	<10	<2	<0.1	133
22	<5	<5	<3	7	<10	<2	<0.1	46

[illegible]

Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm
4	46	13	22	58	887	3	76	13
5	32	16	63	41	879	3	84	9
20	143	14	98	73	314	7	85	4
26	172	13	54	126	568	4	44	6
9	23	18	12	128	626	3	236	3
32	<2	16	84	114	264	6	8	16
31	7	15	36	166	454	7	8	12
62	3	21	133	3	75	3	2	1
24	3	15	131	14	400	7	18	3
82	20	16	89	319	3218	11	50	2
43	24	13	61	55	712	34	4	16
71	14	22	65	6	21	7	3	6
3	8	15	59	174	797	5	5	19
30	17	17	35	9	1253	40	32	15
39	21	19	74	26	876	3	7	7
30	10	16	102	158	148	<2	5	11
23	13	12	34	73	1642	12	47	12
72	10	17	73	104	1952	<2	13	8
8	43	16	56	38	4026	4	19	6
50	18	19	164	133	754	2	2	3
3	188	14	50	17	2877	9	31	5
73	36	17	78	127	1155	2	11	2
37	107	17	70	60	755	19	10	14
78	109	12	102	165	911	5	24	3
22	48	14	30	221	3285	7	75	2
32	18	23	60	101	1236	26	26	15
45	272	27	56	141	2164	35	29	19
1115	6	19	96	9	1218	3	24	3
27	19	17	58	139	1024	2	65	10
17	48	12	56	166	1016	2	91	11
18	55	11	74	147	895	4	95	11
1	36	15	27	124	923	7	18	11
368	6	16	123	5	473	2	3	2
28	14	16	31	10	2469	6	20	4
23	20	13	35	3	614	17	2	5
169	17	20	59	14	8300	2	12	3
98	18	21	41	18	9455	5	14	6
4	10	20	81	2	443	12	2	1
69	4	17	173	178	1814	<2	40	2
86	<2	15	94	17	350	6	<1	4
57	<2	11	33	24	199	44	1	7

[illegible]

Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
6	0.24	1.18	2.92	2.53	1.08	0.06	0.08	0.11
5	0.21	0.76	4.12	1.43	0.38	0.02	0.05	0.08
5	0.12	1.73	1.55	2.16	1.2	0.41	0.23	0.1
5	0.26	2.36	1.74	3.32	1.6	0.8	0.14	0.11
11	0.22	4.42	2.64	3.79	1.8	0.08	0.21	0.05
3	0.19	3.14	4.67	3.2	0.25	<0.01	0.05	0.06
7	0.23	1.89	1.73	4.76	0.84	0.03	0.1	0.07
1	0.01	0.06	0.06	2.71	0.06	0.03	0.06	<0.01
1	<0.01	0.62	0.77	2.53	0.52	0.04	0.06	0.32
26	0.04	3.33	4.58	7.01	4.46	0.02	0.07	0.1
6	0.02	1.92	1.16	6.8	1.94	0.07	0.08	0.07
2	<0.01	0.09	0.11	3.32	0.02	0.03	0.12	0.05
6	0.04	0.33	1.28	8.43	0.64	0.01	0.11	0.07
4	<0.01	0.21	4.66	1.42	2.19	0.1	0.1	0.07
3	<0.01	1.73	1.58	3.31	1.77	0.22	0.06	0.03
1	0.01	0.22	0.48	8.45	0.17	0.04	0.12	0.11
13	0.01	0.27	6.26	2.04	3.01	0.05	0.09	0.2
17	<0.01	2.52	3.27	4.92	3.4	0.08	0.07	0.16
15	0.02	0.63	4.84	3.62	2.36	0.14	0.07	0.06
7	0.12	2.72	0.52	6.18	2.38	0.1	0.05	0.15
4	0.01	0.18	6.55	2.07	2.88	0.13	0.07	0.05
5	0.14	2.9	0.49	5.02	3.42	0.21	0.07	0.03
7	0.04	2.07	1.38	5.22	3.01	0.33	0.08	0.08
7	0.22	2.64	1.06	5.28	3.02	1.22	0.08	0.05
23	0.02	0.93	7.7	4.62	3.27	0.04	0.08	0.08
11	0.04	1.53	3	6.69	2.13	0.18	0.09	0.07
3	0.07	2.09	0.45	10.25	2.8	0.06	0.08	0.07
6	<0.01	0.24	3.62	2.6	1.59	0.04	0.07	<0.01
5	0.17	3.4	6.17	4.75	1.69	0.06	0.21	0.08
11	0.17	4.2	6.01	4.97	1.45	0.06	0.29	0.09
11	0.12	3.4	4.86	4.1	1.11	0.07	0.32	0.12
9	0.2	1.82	2.36	5.01	1.22	0.08	0.11	0.14
2	<0.01	0.16	0.03	3.97	0.1	0.01	0.07	<0.01
3	<0.01	0.87	2.56	6.15	1.6	0.1	0.05	0.01
1	<0.01	0.33	0.13	1.16	0.14	0.16	0.06	0.01
7	<0.01	0.51	1.89	10.67	1.54	0.04	0.06	<0.01
7	<0.01	0.65	1.82	11.5	1.59	0.09	0.06	0.01
<1	<0.01	0.21	0.19	0.74	0.11	0.13	0.06	0.01
26	<0.01	3.26	4.46	7.71	4.72	0.03	0.06	0.02
3	<0.01	2.36	0.03	2.8	3.5	0.02	0.05	<0.01
4	<0.01	3.87	0.06	2.74	5.45	0.03	0.05	<0.01

7	<0 01	0 06	11 52	7 48	11 27	<0 01	0 07	<0 01
3	<0 01	0 16	1 28	0 94	0.56	0 04	0 11	0 04
2	<0 01	0 02	0 24	27 62	5 01	<0 01	0 06	<0 01
2	0 14	2 25	0.77	3 72	2.04	0 03	0 07	0 03
5	<0 01	0 23	4 12	16 38	3.57	0 01	0 06	<0 01
18	<0 01	0 25	14 88	5 07	6 13	0 1	0 07	0 01
15	<0 01	0 01	0 43	26	0 58	<0 01	0 05	<0 01
<1	<0 01	0 41	2 08	2 41	0 6	0.09	0 06	0 01
5	<0 01	0 29	5 16	3 73	1 81	0 25	0 07	0 07
6	0 17	1 33	1 72	1.82	0 89	0 01	0.08	0 06
7	0 2	1 58	1 79	4 28	0 94	0 11	0 13	0 14
7	0 25	2 28	1 99	2 8	0.95	0.07	0 2	0 06
14	0 2	2 98	1 77	3 55	1 86	0 06	0 26	0 03
6	0 24	3 03	0 56	6 49	3.72	0 06	0 09	0 08
2	0 32	1 01	0 82	4 73	1 16	0 03	0 1	0 08
5	<0 01	0 87	9.81	1 6	0 72	0 08	0 07	0 08
2	<0 01	3 18	0 21	7 53	2 37	0 05	0 06	0 02
15	<0 01	1 27	5 56	6.08	2.1	0 09	0 07	0 02
10	<0 01	3 27	0 24	10 93	1 61	0 2	0 05	0 08
14	<0 01	3 97	1 51	10 14	2 39	0 19	0 05	0 1
14	<0 01	2 63	2 44	7 24	2 03	0 08	0 06	0 04
4	0 84	1 37	2 7	1 58	0 68	0 01	0.05	0.22
4	0 34	2 31	1 37	5 07	3 59	0 2	0 06	0 21
3	0 44	2 66	2 16	5 5	3.97	0 04	0 07	0 18
7	0 06	1 46	9 89	4 56	1 96	0 19	0 05	0 24
3	0 03	1 08	2 19	2 91	1 32	0 12	0 05	0 09
2	0 34	2 65	1 88	4 53	3 91	0 07	0 07	0 19
1	0 01	0 01	0 01	0 01	0 01	0 01	0 01	0 01
10000	1	10	10	10	10	10	5	5
ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

YUKON ENERGY, MINES
& RESOURCES LIBRARY
PO Box 2703
Whitehorse Yukon Y1A 2C6