094057

Summary Report

May 1-26 Quartz Claims
NTS 115-P-15

For
Eagle Plains Resources

By
Bernie Kreft

December 22nd, 1999

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 2000.

M. Burn

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

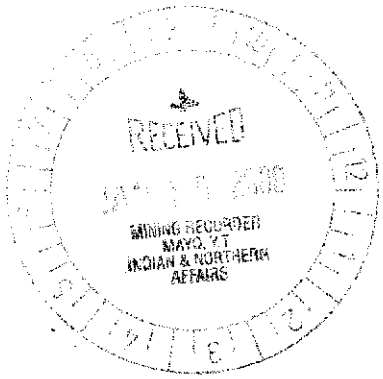

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Table of Contents

History And Previous Exploration

Initially explored during the 1920's for silver-lead vein type mineralization. During 1971-1972 Quintana Minerals carried out mapping, soil sampling and ground magnetics over Zn/Cu/W/Sn/Au mineralized calc-silicate quartzite. Between 1977 and 1981, CCH Resources and Billiton Canada conducted extensive soil sampling and mapping programs directed towards assessing the tin and tungsten potential of the property.

The claims were re-staked during the fall of 1997 by the writer on behalf of the Eagle Plains/Miner River joint-venture. Rock samples taken at the time of staking returned values of up to 5.7 g/t Au from intrusive-hosted mineralization, while samples of actinolite skarn returned up to 6.6 g/t Au. Work during 1998 tested the gold potential of both showing types, and defined three areas worthy of follow-up: FM Zone (skarn), Cluster Zone (intrusive hosted) and Fringe Zone (skarn).

Location And Access

The property is located in the central Yukon Territory, approximately 45 kilometres north-west of Mayo. Topography is moderate with several small areas of extreme relief. Although the majority of the property is above tree line, outcrop exposure is poor due to extensive talus development. Access was by helicopter from Mayo. Several old bulldozer trails lead to the property, but they are all currently impassable.

Regional Geology

The May Project is located within the Selwyn Basin, a large sedimentary depocenter active from the Precambrian to the Mississippian. The mid-late Cretaceous Tombstone Suite (90-92 Ma), consisting of stocks, sills and dykes of granitic composition has been emplaced within these sediments. Tombstone Suite intrusives are commonly associated with bulk-tonnage gold targets within an east-southeast trending belt which extends from north of Dawson to the Yukon/NWT border, a total distance of almost 600 kilometres. Significant Yukon targets hosted by, or associated with, the Tombstone Suite include: Brewery Creek, Dublin Gulch, McQuesten/Wayne and Clear Creek.

Property Geology

Sedimentary strata consists of finely banded, buff to gray-green calc-silicate quartzite, tan to pale green micaceous quartzite, quartz-muscovite-chlorite schist, limy quartzite and rare phyllite belonging to the Mississippian,"Keno Hill Quartzite" and "Lower Schist" divisions. Lying to the south, in thrust fault contact with the Keno Hill Quartzite is gritty micaceous quartzite, quartz-muscovite schist and quartz-chlorite-muscovite-graphite schist of the Upper Proterozoic to Lower Cambrian Hyland Group. The thrust fault is likely the Robert Service Thrust, as units on either side of it correlate lithologically with those found on either side of the Robert Service Thrust in the Mayo Map area.

Intrusive to this sedimentary package is an elongate north-trending porphyritic hornblende biotite

granite to quartz monzonite body (Bos Stock). Recent U-Pb dating performed on the Bos Stock has returned an age of 92.9 +/- 0.3 Ma (Murphy/Heon Geoscience Map 1996-2). This places the Bos Stock within the bulk-tonnage gold prospective Tombstone Suite. Several small felsic intrusive bodies occur within sediments along the south and west contacts. Surrounding the stock is a moderate albite-epidote hornfels zone. Similar hornfels effects have also been noted in a band of rocks enveloping the thrust fault. Alteration of the stock includes chlorite veining, bleaching and manganese staining. Trace sericite also commonly occurs adjacent to fractures within the granite.

A geologic history of the area may be summarized as follows: 1) regional metamorphism and deformation of stratified rocks; 2) thrust fault development; 3) regional thermal metamorphism; 4) emplacement of the Bos Stock; 5) contact metamorphism/hornfelsing; 6) chloritization of calc-silicate rocks; 7) mineralization by hydrothermal fluids.

Mineralization

Potential for skarn hosted gold was first recognized by Quintana Minerals who received "attractive" assays for Au, Ag, Cu, Pb, Zn, Sn and W from interbedded actinolite skarn and mineralized calc-silicate quartzite in the FM zone (MIR 1971-1972 p. 20-21). During 1990, an actinolite-epidote skarn 1.6 kilometres to the southeast (Fringe Zone) was chip-sampled by INAC geologists, and returned an average of 0.065 oz/ton Au over a 15.0 metre width (Emond/Lynch Yukon Geology Volume 3, p.144).

Work at the Fringe Zone during 1998 returned an average grade of 1.63 g/t Au over 15.0 metres. Anomalous gold is commonly associated with anomalous values in Ag, Cu, Zn, As, Bi, Cd and W, with a near perfect, positive correlation between bismuth and gold. A total of 48 grid soils were taken at 30 metre by 30 metre spacings centered over the main showing area. Results show a well-defined, 140 metre long gold-copper-zinc soil anomaly open to the east. Bismuth in soil values were mostly below detection limit.

Detailed prospecting in 1999 showed that the skarn mineralization at the Fringe Zone is cut off in both directions along strike. Some hand trenching and rock sampling was conducted at the eastern extremity of the previously defined soil anomaly associated with this showing. This work was disappointing, with a maximum value of 233 ppb Au returned from the 8 samples taken.

The FM Zone consists of a mineralized sequence of interbedded actinolite skarn and calc-silicate quartzite, occurring over a 1200 metre by 400 metre area, paralleling the thrust fault. Grab samples from this zone reportedly returned "attractive" gold values. Soil geochemical results from previous programs show numerous copper and/or zinc anomalies in this area, with gold not analyzed for. Copper and zinc are two of the main pathfinders associated with the Fringe Zone mineralization.

Work in 1999 at the FM Zone consisted of prospecting, and resulted in 13 grab and chip samples. Gold results were disappointing, with a maximum of 101 ppb Au returned from a select grab sample. Most of the samples were anomalous in copper and zinc; these anomalous values help explain the previously existing copper and zinc soil anomalies.

The Cluster Zone was discovered during the 1997 staking. A total of 8 chip and grab samples taken from the immediate area returned an average value of 724 ppb Au (max. 2983 ppb Au), along with anomalous arsenic, bismuth and tungsten. A small soil grid at the showing returned some slightly anomalous results for gold, arsenic and tungsten. Metal values in soil were likely muted due to coarse granite boulder talus that covers much of the favourable area.

Work in 1999 consisted of detailed sampling in the vicinity of the Cluster Zone, as well as some prospecting of the outlying soil anomalies. Sampling confirmed that granite is consistently anomalous in gold (9 sample weighted average of 313 ppb Au over 7.3 metres) within a minimum 40 metre radius of the Cluster Zone. Several narrow quartz arsenopyrite veins were discovered in this area, with a rep sample of a 5cm wide vein grading 0.267 oz/ton Au. Prospecting of the outlying soil anomalies was made difficult by the presence of large angular granite boulder talus covering most of the anomalies. Best results (4 samples: 361 ppb Au to 517 ppb Au) were returned from samples of clay and/or sericite altered granite which occur as small pieces and cobbles hidden within the boulder talus piles.

Geophysical Surveys

Aeromagnetic data (GSC Aeromagnetic Series sheet 115-P-15) shows a 2700m x 700m, 120 gamma low on the west edge of the stock roughly paralleling the thrust fault, centered over the FM zone. A ground based magnetometer survey verified the existence of the aero-mag low and showed it to cut across the thrust and overly both calc-silicate quartzite and Hyland Group sediments. The remainder of the project area contains only minor magnetic variations.

Conclusions

Existing skarn mineralization does not have economic potential due limited size and erratic grade. The granite at the Cluster Zone is consistently anomalous in gold (121 ppb Au to 875 ppb Au). High-grade (+/- 10 g/t Au) quartz arsenopyrite veins occur within the area of anomalous granite. Maximum dimensions of the Cluster Zone are unknown. The majority of the pluton remains to be tested for similar (Fort Knox style) mineralization. The lack of a large soil anomaly associated with the Cluster Zone is largely due to abundant boulder talus masking bedrock; therefore, even single point soil anomalies hosted by granite are thought to be worthy of follow-up.

Recommendations

Work should be conducted in two stages. Stage 1 will consist of hand trenching and sampling in an attempt to gain a better idea of the maximum size and grade potential of the Cluster Zone. Pending sufficiently favourable results, stage 2 should consist of detailed prospecting and sampling over the remaining untested portions of the pluton.

Certification

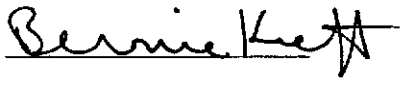
I, Bernie Kreft, was present and witnessed the exploration work described herein. I have twelve years experience prospecting in the Yukon.

This report is based on fieldwork conducted or witnessed by myself, and includes information from assessment reports 091018, 090794, 090535, 090417 and 060145.

This report is based on work completed on the May 1-26 quartz claims.

Work was completed during the summer of 1999.

Respectfully Submitted,



Bernie Kreft

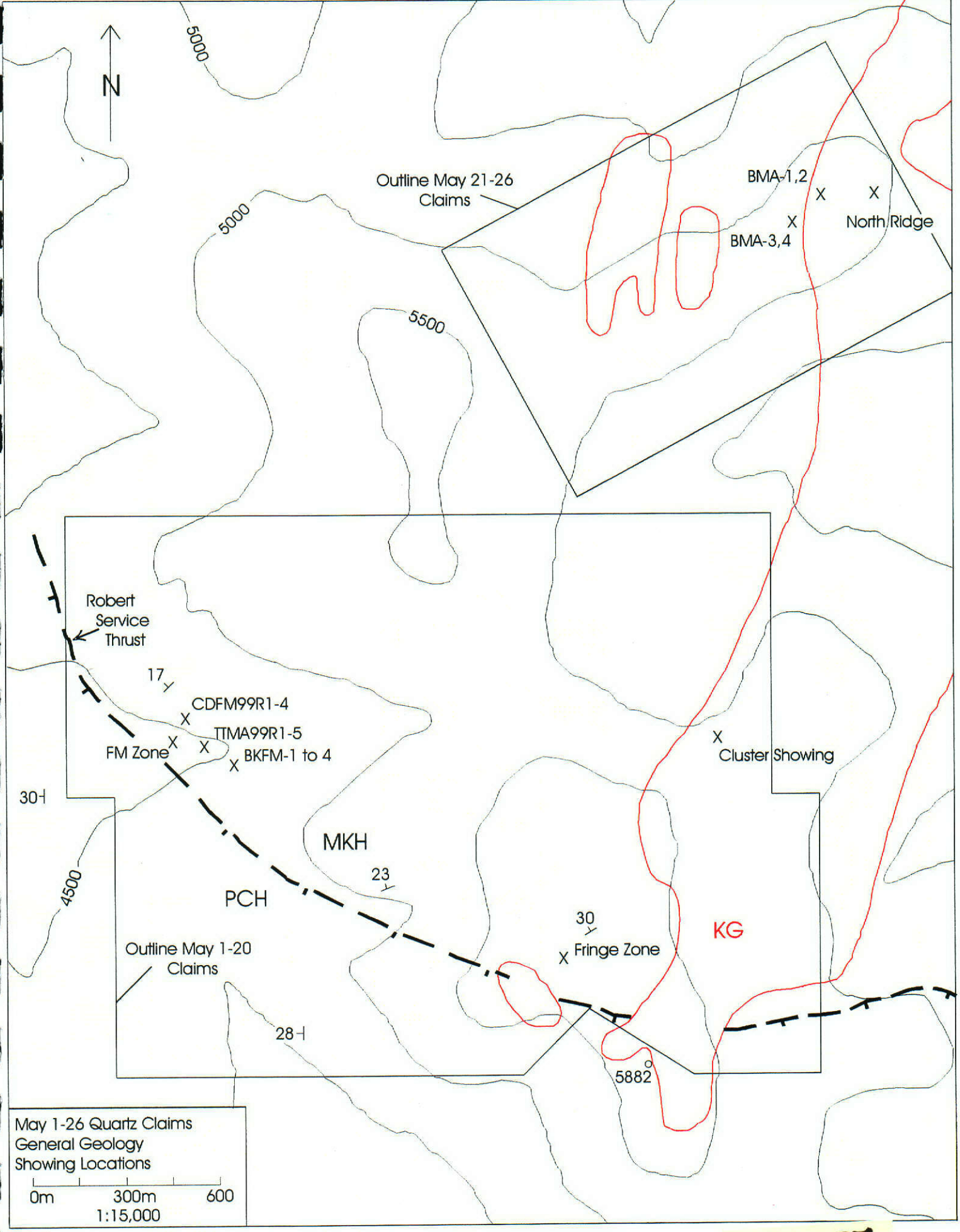
Rock Sample Descriptions

BMA-1 > 4cm pc granite with a with a narrow bleached fracture
BMA-2 > as above
BMA-3 > black and tan banded metasediment with pyrite in darker bands
BMA-4 > weakly developed actinolite skarn cut by 2 x 0.5cm qtz veins with trace sulphides
BMA-5 > as above no qtz veins trace diss sulphides
BMA-6 > banded metased with trace diss sulphides poss minor zn/cu
BMA-7 > as above
BMA-8 > as above
BMA-9 > weakly developed actinolite skarn 0.5% diss py/po
BMA-10 > actinolite skarn with weakly banded sulphides to 2%
BMA-11 > actinolite skarn with 1% diss sulphides
BMA-12 > weakly developed actinolite skarn
BMA-13 > granite cut by a pyritic and chloritic fracture
BMA-14 > limonitic granite with several leached cavities
BMA-15 > granite cut by several weak chloritic fractures
BMA-16 > clay and sericite altered granite
BMA-17 > 3cm thick pc granite cut by a 2mm wide qtz vein narrow bleached and sericite altered envelope adjacent to the qtz vein
BMA-18 > as per 16 but with a 1cm wide qtz vein
BMA-19 > as per –17 but a 6cm wide pc of granite
BMA-20 > 4 cm wide pc clay and sericite altered granite cut by 3 x 2mm limonitic and vuggy qtz veins
BMA-21 > as above, 3 veins in a 5cm wide sample
BMA-22 > as above, 1cm vein in a 5cm wide sample
BMA-23 > limonitic clay and sericite altered granite
BMA-24 > granite cut by a narrow chloritic fracture
BMA-25 > 10 cm wide vuggy crystalline qtz vein mineralized with 1.5% sulphides
BMA-26 > 0.4m chip across 6 x 1mm qtz veins/fractures with chlorite? And trace arsenopyrite
BMA-27 > 10 cm wide grab as above
BMA-28 > 1.3m chip of weakly limonoitic granite cut by 5 chloritic As/Py min fractures
BMA-29 > 0.9m chip as above with less limonite
BMA-30 > 1.3m chip across 9 x 1mm chlorite/py/as mineralized fractures
BMA-31 > 0.3m chip as above across 3 x 1mm fractures
BMA-32 > 1.0m chip as per –30 with some diss py/as in granite
BMA-33 > rep grab 5cm wide qtz-aspy vein
BMA-34 > 1.0m chip as per-32
BMA-35 > 1.0m chip as above
BMA-36 > actinolite skarn poss trace diss po
BMA-37 > as above
BMA-38 > as above
BMA-39 > as above
BMA-40 > as above

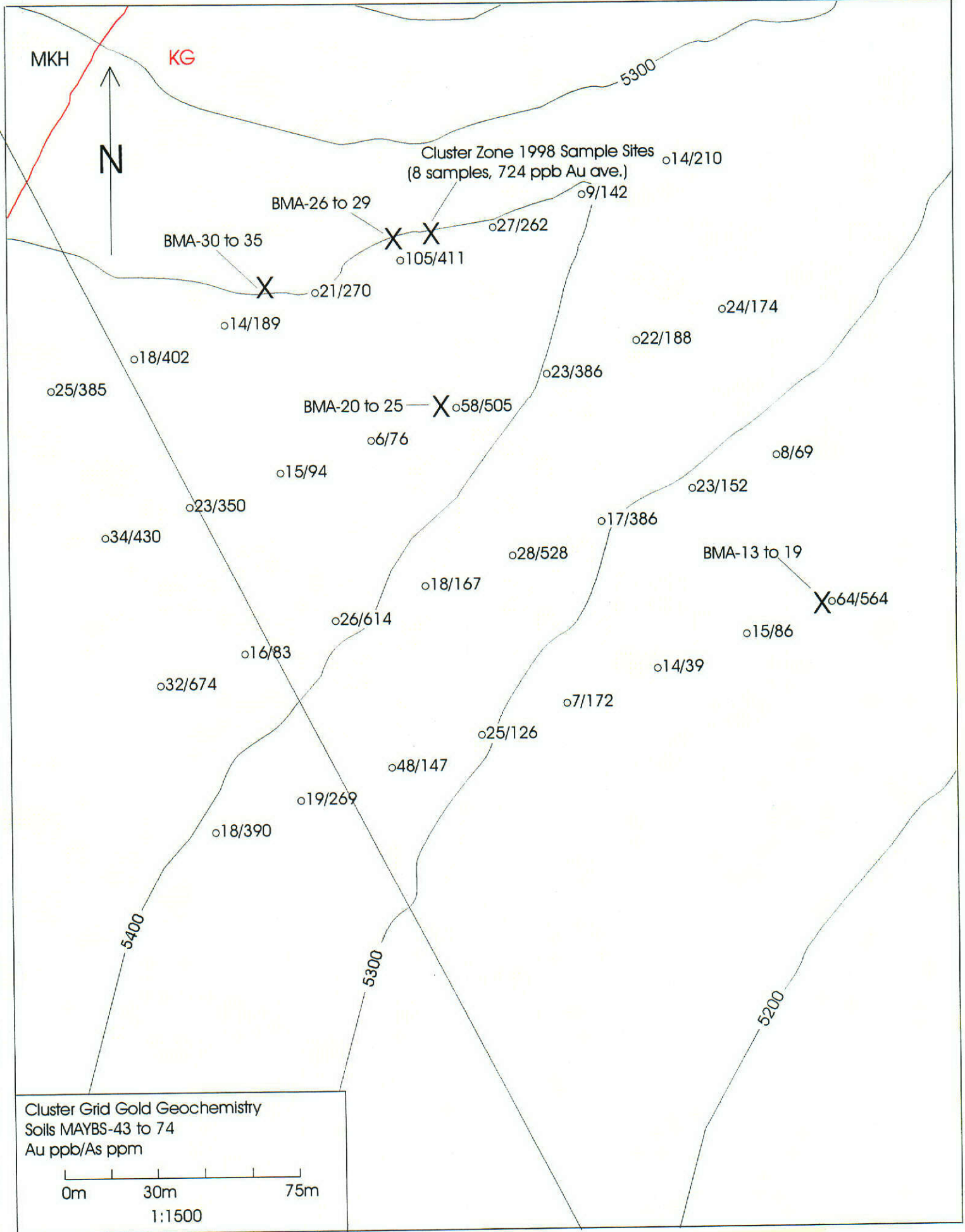
CDFM99R01 > grab calc-sil skarn within quartzite unit with trace fine diss po
CDFM99R02 > epidote altered medium bedded quartzite with 4% fine diss sulphides
CDFM99R03 > 1.2m chip across quartzite and calc-sil skarn trace fine diss po/py
CDFM99R04 > silicified quartzite with epidote and chlorite trace fine diss sulphides
TTMA99R01 > grab rusty metasediments
TTMA99R02 > siliceous skarn material with fine diss black sulphide
TTMA99R03 > as above
TTMA99R04 > 1.0m chip across interbedded quartzite and calc-sil skarn
TTMA99R05 > 0.1m chip across calc-sil skarn band which is part of above
BKFM-1 > grab calc-sil skarn bed with 1% fine diss black sulphide
BKFM-2 > grab limonitic thin bedded quartzite
BKFM-3 > grab as per BKFM-1
BKFM-4 > rep grab vuggy qtz vein cutting quartzite

Costs

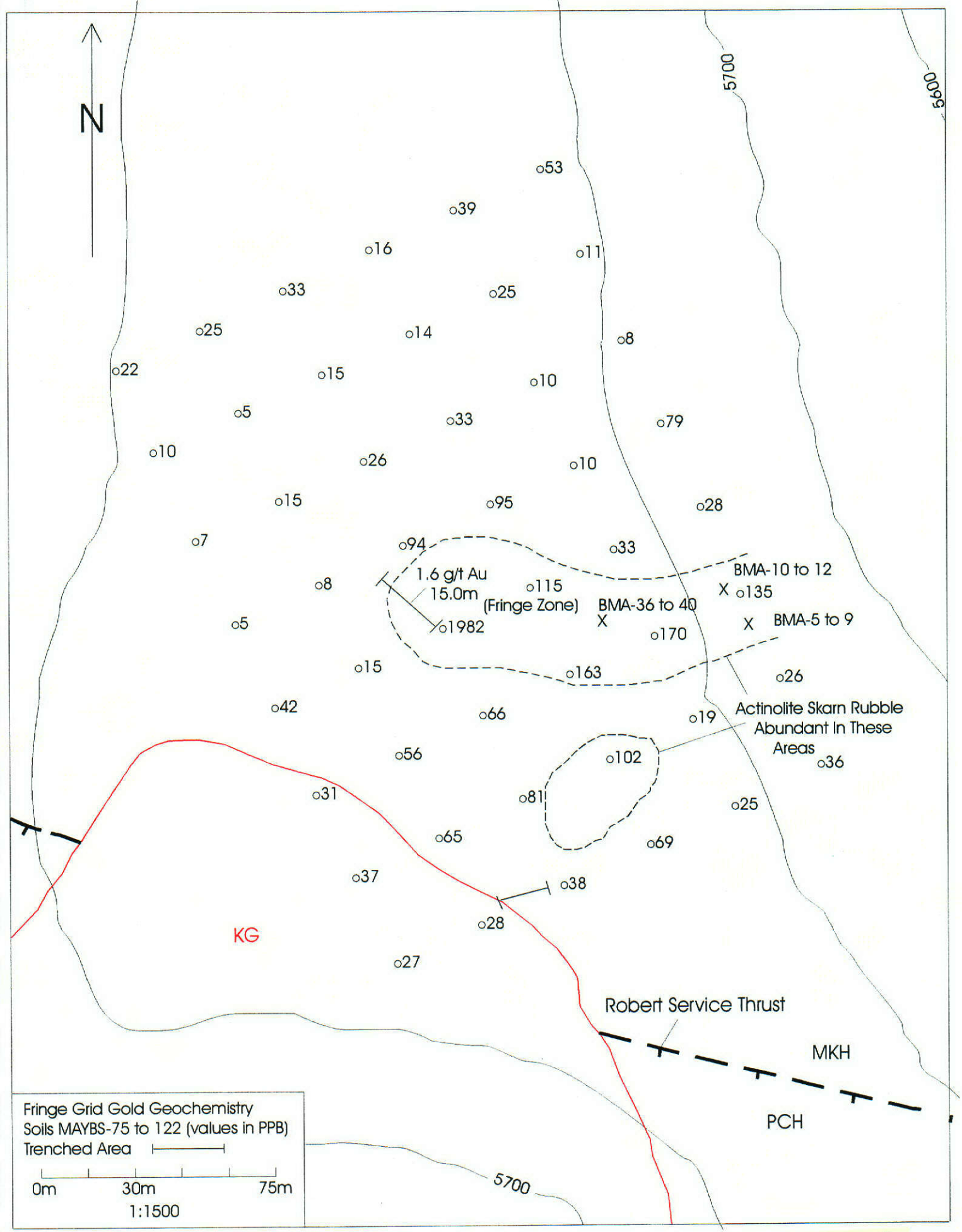
Wages B.Kreft (3 days x $375/day)	= $1203.75
Wages P.Christensen (2 days X $150/day)	= $321.00
Wages C.Downie (1 day x $375/day)	= $401.25
Wages T.Termuende (1 day x $375/day)	= $401.25
Wages B.Kreft (report prep)	= $601.87
Truck rental (848 km x 0.42/km)	= $381.09
Food and Camp Supplies (7 man days x $35/day)	= $262.15
TNTA Heli Charter	= $2160.86
NAL assays	= $1252.91
NAL overlimit	= $12.84
Receiver General (renewals and groupings)	= $100.00
TOTAL	= $7098.97


N
5000
5000
5500
Outline May 21-26
Claims
BMA-1,2
BMA-3,4
North Ridge
Robert
Service
Thrust
17
CDFM99R1-4
TTMA99R1-5
FM Zone
BKFM-1 to 4
Cluster Showing
30
MKH
23
PCH
4500
30
Fringe Zone
KG
Outline May 1-20
Claims
28
5882
May 1-26 Quartz Claims
General Geology
Showing Locations
0m
300m
600
1:15,000

094057


MKH
KG
N
5300
Cluster Zone 1998 Sample Sites
(8 samples, 724 ppb Au ave.)
o14/210
o9/142
BMA-26 to 29
o27/262
BMA-30 to 35
o105/411
o21/270
o14/189
o24/174
o22/188
o18/402
o23/386
o25/385
BMA-20 to 25
o58/505
o6/76
o8/69
o15/94
o23/152
o23/350
o17/386
o34/430
o28/528
BMA-13 to 19
o18/167
o64/564
o26/614
o15/86
o16/83
o14/39
o32/674
o7/172
o25/126
o48/147
o19/269
o18/390
5400
5300
5200
Cluster Grid Gold Geochemistry
Soils MAYBS-43 to 74
Au ppb/As ppm
0m
30m
75m
1:1500

094057


N
5700
5600
53
39
16
11
33
25
25
14
8
22
15
10
5
33
79
10
26
10
15
95
28
7
94
33
1.6 g/t Au
15.0m
8
115
BMA-10 to 12
135
(Fringe Zone)
BMA-36 to 40
5
1982
BMA-5 to 9
170
15
163
26
42
66
19
Actinolite Skarn Rubble
Abundant In These
Areas
56
102
36
31
81
25
65
69
37
38
28
KG
27
Robert Service Thrust
MKH
PCH
5700
Fringe Grid Gold Geochemistry
Soils MAYBS-75 to 122 (values in PPB)
Trenched Area
0m
30m
75m
1:1500

094057

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

06/08/99 Certificate of Analysis

Bernie Kreft

WO# 05710

Certified by

	Sample #	Au ppb
r	BMA-1	15
r	BMA-2	54
r	BMA-3	<5
r	BMA-4	<5
r	BMA-5	53
r	BMA-6	<5
r	BMA-7	146
r	BMA-8	16
r	BMA-9	31
r	BMA-10	233
r	BMA-11	32
r	BMA-12	30
r	BMA-13	75
r	BMA-14	73
r	BMA-15	18
r	BMA-16	517
r	BMA-17	15
r	BMA-18	420
r	BMA-19	7
r	BMA-20	386
r	BMA-21	93
r	BMA-22	59
r	BMA-23	361
r	BMA-24	15
r	BMA-25	2375
r	BMA-26	148
r	BMA-27	121
r	BMA-28	451
r	BMA-29	655
r	BMA-30	301

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Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Bernie Kreft

WO# 05710

Certified by

	Sample #	Au ppb
r	BMA-31	147
r	BMA-32	137
r	BMA-33	>7000
r	BMA-34	216
r	BMA-35	239
r	BMA-36	39
r	BMA-37	26
r	BMA-38	43
r	BMA-39	18
r	BMA-40	72
r	MP-1	65
r	MP-2	<5
r	MP-3	57

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

10/08/99 Certificate of Analysis

Bernie Kreft

WO# 05710a

Certified by

	Sample #	Au grav oz/ton
p	BMA-33	0.267

CERTIFICATE OF ANALYSIS
iPL 99H0706

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O.#05710

43 Samples
43=Pulp

[070617:37:59:99081199]

Out: Aug 11, 1999
In : Aug 10, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl 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 %
BMA- 1	P	0.1	37	21	103	397	7	<	3	<	<	1.6	11	15	457	7	101	56	292	24	88	2	4	0.14	2.27	0.85	2.52	0.71	0.67	0.18	0.07
BMA- 2	P	0.2	15	39	47	5747	10	<	2	<	<	<	10	9	194	<	95	32	207	19	98	1	2	0.05	1.59	0.75	1.77	0.39	0.36	0.15	0.06
BMA- 3	P	0.2	26	10	38	72	<	<	1	<	<	<	7	18	91	6	126	43	172	9	15	1	3	0.04	1.34	0.19	1.86	0.58	0.53	0.06	0.02
BMA- 4	P	1.0	75	2541	1310	112	<	<	<	<	<	<	6	14	48	<	75	49	2842	8	4	2	9	<	2.66	0.10	6.79	0.64	0.05	<	0.03
BMA- 5	P	0.6	32	24	9931	42	5	<	<	<	<	0.1m	5	9	94	20	67	10	1665	12	28	3	1	0.04	0.72	1.45	3.00	0.14	0.03	0.01	0.02
BMA- 6	P	0.1	43	25	150	69	<	<	1	<	<	0.8	11	20	157	<	91	56	354	20	25	2	4	0.17	2.48	0.13	3.56	1.01	1.37	0.03	0.04
BMA- 7	P	0.5	168	23	184	65	<	<	1	<	<	3.0	9	20	64	160	114	12	144	8	59	1	1	0.04	1.09	0.74	1.68	0.13	0.12	0.12	0.01
BMA- 8	P	0.9	113	15	6670	32	11	<	<	<	<	91.0	4	17	57	5	78	10	935	11	33	2	1	0.05	0.76	0.97	2.41	0.27	0.04	0.03	0.02
BMA- 9	P	0.5	177	15	1249	2963	<	<	<	<	<	20.8	30	30	54	13	109	37	1335	17	27	3	3	0.07	1.99	0.42	6.79	0.49	0.08	0.01	0.02
BMA-10	P	2.6	367	13	2222	1.2%	<	<	<	<	<	54.0	95	34	86	241	105	17	712	5	34	3	1	0.02	1.27	0.61	4.75	0.34	0.04	0.01	0.09
BMA-11	P	2.9	668	9	9263	1797	<	<	<	<	<	0.1m	13	14	131	41	71	14	1252	7	18	3	1	0.03	1.21	0.78	5.26	0.24	0.01	0.01	0.02
BMA-12	P	0.3m	3211	266	2649	433	<	<	<	<	131	7.7	17	21	324	21	60	66	2833	9	28	8	4	0.01	5.83	0.11	14%	0.90	0.06	0.01	0.03
BMA-13	P	0.8	57	15	359	1126	<	<	<	<	3	4.4	17	10	178	18	86	37	343	12	116	1	2	0.06	2.74	1.36	2.03	0.53	0.27	0.28	0.07
BMA-14	P	2.0	146	24	108	508	<	<	5	<	5	<	5	4	171	0.1%	76	64	538	25	25	2	6	0.10	1.76	0.43	4.15	0.84	0.15	0.03	0.08
BMA-15	P	0.2	13	11	206	126	<	<	1	<	<	1.2	12	15	611	46	138	68	384	35	71	4	4	0.20	1.85	0.73	2.38	0.76	0.67	0.15	0.08
BMA-16 317	P	16.3	34	29	71	4511	142	<	9	<	<	0.5	3	8	76	20	141	10	98	17	18	3	1	<	0.27	0.06	5.40	0.02	0.12	0.02	0.02
BMA-17	P	0.1	54	11	85	254	<	<	2	<	<	1.1	11	13	451	15	116	61	312	32	81	3	3	0.17	1.62	0.81	2.26	0.59	0.50	0.13	0.09
BMA-18 420	P	5.8	57	15	129	2323	29	<	5	<	<	<	4	14	72	13	132	23	190	27	10	5	1	<	0.39	0.15	4.46	0.06	0.11	0.01	0.06
BMA-19	P	0.1	44	10	90	170	<	<	3	<	<	0.8	11	15	481	21	85	64	350	29	81	3	2	0.16	1.57	0.77	2.25	0.61	0.48	0.11	0.11
BMA-20 386	P	4.5	41	214	92	858	719	<	1	<	<	0.9	1	4	50	<	140	7	105	24	4	2	2	<	0.34	0.07	1.24	0.03	0.24	0.01	0.04
BMA-21	P	22.5	30	183	148	519	0.2%	<	2	<	<	1.2	5	5	35	<	159	10	119	24	3	1	1	<	0.31	0.08	1.64	0.03	0.22	0.01	0.04
BMA-22	P	10.7	81	72	498	730	195	<	2	<	<	3.6	8	8	91	20	130	15	913	23	7	1	1	<	0.47	0.13	1.92	0.10	0.21	0.01	0.04
BMA-23 361	P	4.3	19	50	142	7244	34	<	1	<	9	2.2	2	4	1578	8	157	13	88	14	31	2	3	<	0.52	0.11	1.50	0.04	0.19	0.01	0.05
BMA-24	P	0.1	25	20	97	123	9	<	<	<	<	0.3	10	12	626	<	159	67	410	43	91	2	3	0.20	2.25	0.85	2.64	0.74	0.84	0.21	0.08
BMA-25 2375	P	91.5	36	1151	149	6869	787	<	2	<	32	10.0	2	4	180	7	121	6	126	13	9	1	1	<	0.26	0.02	1.90	0.06	0.08	0.01	0.01
BMA-26 198	P	0.2	20	22	83	3076	18	<	<	<	<	0.7	7	11	344	11	114	48	320	32	81	2	3	0.11	1.74	0.70	2.29	0.57	0.45	0.15	0.07
BMA-27 121	P	0.3	37	22	85	4632	14	<	3	<	<	0.6	10	16	292	21	110	53	354	35	119	1	3	0.10	2.34	0.95	2.49	0.65	0.52	0.22	0.08
BMA-28 451	P	0.7	110	16	146	8578	14	<	5	<	2	0.5	8	13	39	54	94	55	413	20	102	5	5	0.05	2.51	0.67	3.15	0.73	0.26	0.15	0.07
BMA-29 675	P	0.5	72	19	219	7587	11	<	5	<	8	2.9	6	8	61	42	83	45	368	17	137	5	4	0.04	1.94	0.56	2.90	0.62	0.23	0.13	0.07
BMA-30 301	P	<	24	16	239	1269	6	<	2	<	<	1.8	12	16	531	8	128	65	428	33	83	2	4	0.17	2.07	0.85	2.89	0.78	0.70	0.16	0.07
BMA-31 147	P	0.2	26	11	190	702	<	<	3	<	<	1.3	8	11	462	8	122	62	464	38	97	2	4	0.14	2.00	0.78	2.75	0.76	0.58	0.12	0.08
BMA-32 137	P	0.2	128	18	156	3561	<	<	3	<	<	1.7	9	10	192	27	112	54	299	25	67	3	5	0.09	1.99	0.63	2.53	0.65	0.46	0.15	0.07
BMA-33 7000	P	7.3	29	546	45	16%	129	<	5	<	64	<	12	19	<	161	107	21	66	4	36	4	1	<	0.28	0.16	12%	0.06	0.03	0.02	0.01
BMA-34 316	P	0.2	44	17	501	5375	9	<	2	<	<	5.1	7	15	78	113	90	47	402	19	98	2	3	0.05	1.94	0.92	2.66	0.66	0.18	0.19	0.07
BMA-35 239	P	0.5	61	21	113	2442	<	<	3	<	<	<	10	13	500	29	141	68	511	33	89	2	5	0.16	2.18	0.75	3.34	0.86	0.60	0.14	0.07
BMA-36	P	0.3	98	13	2011	173	<	<	1	<	<	11.8	5	15	180	156	43	11	2214	12	21	4	1	0.04	0.55	1.07	4.05	0.13	0.05	0.01	0.02
BMA-37	P	0.3	510	7	2347	228	<	<	<	<	<	23.5	9	17	199	73	37	9	2802	9	14	3	1	0.03	0.55	1.08	3.49	0.14	0.04	0.02	0.03
BMA-38	P	1.8	320	6	2311	203	<	<	<	<	<	12.6	13	22	528	14	34	18	2926	11	16	3	1	0.04	1.21	0.52	6.40	0.35	0.44	0.01	0.02
BMA-39	P	0.6	295	3	1607	289	<	<	<	<	<	16.9	15	14	213	508	38	6	2164	4	19	2	<	0.02	0.33	1.19	2.77	0.28	0.03	0.01	0.04
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

CERTIFICATE OF ANALYSIS
iPL 99H0706

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O.#05710

43 Samples
43=Pulp

[070617:37:59:99081199]

Out: Aug 11, 1999
In : Aug 10, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl 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 %
BMA-40	P	0.3	130	7	1349	247	<	<	2	<	<	11.4	9	16	182	730	37	10	1839	10	18	3	1	0.03	0.60	0.84	3.45	0.19	0.02	0.01	0.02
MP-1	P	0.3	97	30	133	6066	<	<	<	<	<	<	15	44	70	29	84	57	253	5	99	1	6	0.08	3.40	1.50	3.81	0.79	0.66	0.30	0.02
MP-2	P	<	30	26	114	91	<	<	1	<	<	1.1	10	33	104	16	96	45	383	7	82	2	5	0.09	2.91	1.43	2.45	0.71	0.50	0.24	0.02
MP-3	P	0.9	39	53	371	3165	<	<	1	<	<	8.1	17	44	272	6	83	38	354	12	85	1	4	0.08	2.53	1.34	2.39	0.52	0.35	0.20	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

15/06/99 Certificate of Analysis

Bernie Kreft

WO# 05662

Certified by

	Sample #	Au ppb
r	BKFM-1	49
r	BKFM-2	20
r	BKFM-3	8
r	BKFM-4	7
r	CDFM99R-1	<5
r	CDFM99R-2	11
r	CDFM99R-3	6
r	CDFM99R-4	6
r	CDHT99R-1	>7000
r	CDHT99R-2	>7000
r	CDHT99R-3	51
r	TTDL99R-1	1310
r	TTHT99R-1	>7000
r	TTHT99R-2	3268
r	TTHT99R-3	>7000
r	TTHT99R-4	443
r	TTMA99R-1	31
r	TTMA99R-2	101
r	TTMA99R-3	42
r	TTMA99R-4	22
r	TTMA99R-5	<5
s	GZS-1	23
s	GZS-2	34
s	GZS-3	42
s	GZS-4	34
s	GZS-5	28
s	GZS-6	92

CERTIFICATE OF ANALYSIS
iPL 99F0488

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories
Project: W.O. 05662

27 Samples
27=Pulp

[048810:05:04:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl 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 %
KFM 1	P	1.9	154	15	1816	235	<	<	<	<	26	15.3	5	7	37	<	84	9	1683	8	9	3	2	0.07	0.67	0.83	2.31	0.06	0.02	0.01	0.01
KFM 2	P	0.7	206	15	194	79	<	<	2	<	<	4.8	9	30	31	<	106	24	147	20	157	1	3	0.05	3.07	1.59	2.31	0.32	0.24	0.34	0.01
KFM 3	P	<	26	10	1203	44	<	<	1	<	<	48.8	3	24	72	<	104	19	3219	19	40	3	2	0.06	1.77	2.98	3.60	0.41	0.05	0.01	0.02
KFM 4	P	0.1	59	17	82	183	<	<	3	<	<	5.3	11	32	54	<	134	39	109	11	103	1	3	0.04	2.77	1.31	1.84	0.28	0.26	0.26	0.02
DFM 99 R1	P	0.1	28	3	215	72	<	<	1	<	<	6.3	7	17	58	<	97	14	412	15	72	1	1	0.04	1.62	0.93	1.28	0.19	0.12	0.13	0.02
DFM 99 R2	P	2.8	401	14	2.2%	288	<	<	<	<	<	0.4m	12	11	12	30	105	10	535	10	94	1	1	0.07	1.39	1.05	1.95	0.06	0.04	0.15	0.04
DFM 99 R3	P	1.2	206	19	671	100	<	<	1	<	<	14.1	6	20	51	<	139	30	171	26	118	1	3	0.06	2.67	0.97	2.12	0.25	0.23	0.18	0.02
DFM 99 R4	P	0.7	123	20	1915	233	<	<	<	<	<	18.1	9	19	56	<	83	15	1431	12	61	2	2	0.13	1.38	1.24	1.67	0.16	0.07	0.08	0.02
DHT 99 R1	P	0.6	14	10	229	1.6%	72	<	4	<	<	6.2	5	25	<	<	48	69	476	15	114	8	5	<	0.69	11%	1.83	1.73	0.16	0.01	0.09
DHT 99 R2	P	0.8	20	16	107	1.1%	75	<	5	<	<	2.5	4	22	11	6	41	54	854	15	184	6	5	<	0.34	15%	1.67	3.14	0.11	0.01	0.06
DHT 99 R3	P	0.2	25	6	77	270	<	<	3	<	<	2.8	5	20	55	<	68	36	41	14	140	4	<	0.08	2.30	2.05	0.78	0.41	0.12	0.10	0.06
TOL 99 R1	P	2.1	422	19	31	41	<	<	<	103	198	11.8	6	12	24	<	33	31	85	<	27	8	<	0.05	0.48	0.45	13%	0.04	0.06	0.03	0.04
THT 99 R1	P	2.4	123	44	186	2.1%	234	<	4	<	<	3.1	6	23	<	<	30	45	755	17	129	10	5	<	0.68	18%	3.07	0.68	0.16	0.01	0.11
THT 99 R2	P	0.5	23	8	76	1350	26	<	4	<	<	2.5	2	18	13	<	31	49	187	11	276	5	2	0.01	1.88	19%	1.12	4.13	0.11	0.01	0.05
THT 99 R3	P	1.2	23	6	130	1.4%	77	<	7	<	<	4.1	5	25	10	7	28	91	701	16	263	6	5	<	0.63	22%	1.91	2.70	0.14	0.01	0.09
THT 99 R4	P	0.7	33	40	93	802	14	<	4	<	<	2.3	3	12	152	<	33	45	194	15	341	9	2	0.02	1.34	14%	0.63	2.17	0.11	0.01	0.07
TMA 99 R1	P	8.8	795	12	3165	78	<	<	<	<	<	40.8	5	7	6	5	82	8	439	6	18	2	1	0.05	0.46	0.60	3.70	0.08	0.02	0.01	0.01
TMA 99 R2	P	9.9	1922	<	3.2%	130	<	<	<	<	42	0.6m	8	7	33	127	63	4	738	2	15	1	1	0.02	0.30	0.54	3.03	0.03	0.01	0.01	0.01
TMA 99 R3	P	8.1	1285	2	4.3%	3939	<	<	<	<	22	0.7m	86	14	23	209	79	4	555	3	11	1	<	0.02	0.31	0.28	3.56	0.07	0.03	0.01	0.01
TMA 99 R4	P	0.4	218	6	1357	331	<	<	<	<	<	25.6	10	28	65	52	98	41	1083	21	63	2	5	0.10	3.85	1.35	4.54	0.54	0.83	0.23	0.03
TMA 99 R5	P	0.8	227	7	411	187	<	<	2	<	<	9.3	7	24	21	52	63	36	1862	35	96	2	4	0.08	4.23	2.92	5.37	0.35	0.30	0.36	0.03
ZS 1	P	0.4	84	29	161	83	<	<	4	<	<	4.5	11	36	82	<	36	88	219	21	114	1	3	0.12	2.95	2.07	2.11	1.23	0.10	0.13	0.10
ZS 2	P	0.4	85	36	167	158	43	<	2	<	<	4.2	13	45	156	11	44	97	315	31	105	1	4	0.14	3.42	1.35	2.68	1.21	0.20	0.06	0.09
ZS 3	P	0.3	83	42	156	138	15	<	3	<	<	3.9	14	45	179	<	47	99	315	31	83	2	3	0.16	3.11	1.13	2.79	1.13	0.19	0.06	0.07
ZS 4	P	0.2	83	52	164	148	16	<	4	<	<	4.3	17	48	193	<	53	104	378	31	83	2	4	0.17	3.27	1.03	3.14	1.11	0.27	0.05	0.11
ZS 5	P	0.1	70	39	133	129	15	<	2	<	<	3.2	14	40	162	<	46	88	330	35	79	1	3	0.15	2.83	1.03	2.72	0.95	0.19	0.05	0.10
ZS 6	P	0.4	84	42	82	106	11	<	1	<	15	3.1	11	31	94	<	29	60	366	27	196	1	3	0.06	3.39	2.41	2.07	1.70	0.21	0.04	0.09
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp