Summary Report
On

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

For
Eagle Plains/Miner River
Joint Venture

By
Bernie Kreft

November 25, 1998

Table of Contents

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 $ ~~1200.00~~ 3200.00

M. B[illegible]

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

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 quartzites. 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.

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 Scheelite Dome.

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

Bulk-tonnage gold potential exists within two target settings; skarn and intrusive hosted. To date the best results have been returned from skarn type mineralization. Significant results have also been returned from intrusive hosted mineralization, but they are generally scattered and require further definition. Potential also exists for high grade Ag/Pb vein type mineralization; this target type has not been evaluated by the writer.

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).

The Fringe Zone was re-assessed in 1998. Detailed chip sampling 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.

The FM Zone was not assessed during 1998. It consists of a mineralized sequence of interbedded actinolite skarn and calc-silicate quartzite, occurring over a 1200 metre by 400 metre area, roughly paralleling the thrust fault. Grab samples from this zone have returned "attractive" gold values, while rough chip sampling has yielded only traces of gold. Soil geochemical results from previous programs show numerous copper and/or zinc anomalies in this area, with gold not analyzed for.

Mineralization within the intrusion is widespread and consists of arsenopyrite and pyrite lining, and disseminated adjacent to, quartz rich fractures. Quartz-arsenopyrite veins have also been noted, but they are rare. Anomalous results up to 5763 ppb Au have been returned, but they are generally scattered. The largest cluster of anomalous gold values (Cluster Showing) is found near the southwest edge of the stock

within, and adjacent to, an area of bleached granite. A total of 8 samples taken in this area, yielded an average of 724 ppb Au (max. 2983 ppb) along with highly anomalous arsenic, bismuth and tungsten. A total of 32 grid soils were taken at 30 metre by 50 metre spacings on, and to the southeast of the showing. Results contoured at the 60th percentile (for all program soils underlain by granitic rock) show a 4 station Au/W/As anomaly over the showing, open to the northwest. There is also a single station Au/As/W anomaly in the southeast corner of the grid. Soil geochemical results from previous programs show a large, well-defined tungsten anomaly coincident with, but much more extensive than, the aforementioned anomalies.

Representative Anomalous Rock Geochemistry
(all values ppm except for gold in ppb)

Sample	Type	Au	Cu	Zn	As	Bi	W
May-55	Skarn	6630	25000	2030	943	189	69
MayB-40	Skarn	1525	5315	16807	1882	67	-
May-53	Skarn	563	615	3903	396	19	172
May-8	Intrusive	5763	4	166	1292	-	6
May-50	Intrusive	875	231	45	28000	92	321
MayB-17	Intrusive	1497	7	63	5264	4	27
May-14	Hornfels	214	35	89	8673	-	814

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

Significant, newly discovered, gold mineralization is associated with an intrusion which recent age dating has placed within the bulk-tonnage gold prospective Tombstone Suite. The vast majority of exploration work completed on this property was conducted prior to the discovery of Fort Knox and Brewery Creek. Significant gold values (0.065 oz/ton Au over 15.0m) have been returned from skarn/sediment hosted mineralization. This mineralization is geologically, stratagraphically and mineralogically very similar to the companies' McQuesten/Wayne property where recent reverse circulation drilling of skarnified sediments has returned widespread values such as 3.23g/t Au over 21.3m (true thickness). Significant intrusive hosted mineralization has also been located, with soil geochemical data suggesting size potential for the main showing.

Recommendations

Further work is recommended. It should consist of soil sampling to provide reconnaissance coverage of the FM zone and strata adjacent to the thrust fault, as well as further definition of the existing open-ended soil anomalies. Detailed rock sampling is needed to better define the main area of intrusive hosted mineralization. Prospecting should also be conducted within the FM zone and over untested areas of the intrusion. Contingent upon favorable results, trenching and/or drilling will be needed to further define anomalous areas.

Certification

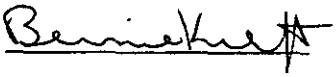
I, Bernie Kreft, was present and witnessed the exploration work described herein. I have twelve years experience prospecting in the Yukon.

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 from June 5th to June 8th, 1998.

Respectfully Submitted,



Bernie Kreft

Rock Sample Descriptions

May-1 rep grab granite with one qtz-aspy min fracture
May-2 rep grab granite cut by a 5mm wide qtz-tourmaline vein
May-3 10cm wide pc granite cut by barren 0.5cm qtz vein
May-4 10cm wide pc granite with one 1.5mm qtz-aspy min fracture some aspy in wallrock
May-5 rep grab granite cut by 1.0cm qtz-aspy vein
May-6 10 cm wide pc granite cut by three qtz-aspy fractures
May-7 as above with trace diss aspy-py adjacent to fractures
May-8 6 cm pc granite with one qtz-aspy min fracture
May-9 as per May-1 with diss py adjacent to fracture
May-10 as above
May-11 as above
May-12 10 cm pc banded metased with abundant biotite, about 2% Py/As/Po cut by barren 1cm qv
May-13 as above with 5% sulphides
May-14 as above
May-15 as above with 1% sulphide
May-20 banded metased with abundant biotite about 2% sulphide Po/Py As? Cu? Zn?
May-21 as above
May-22 as above
May-23 as above
May-24 as above
May-25 as above
May-26 as above
May-27 as above
May-28 as above
May-29 weakly developed actinolite skarn with 0.5% Po
May-30 as per May-20 to 28

Samples 20 to 30 were taken to represent mineralized sediments in cirque 300 metres NW of Cluster Showing.

May-40 rep grab granite with a 1.0cm qtz vein, diss As in QV wallrock
May-41 10cm pc granite with 2 chloritic qtz-aspy fractures
May-42 weakly chlorite altered granite no mineralization
May-43 0.6m chip as per May-41
May-44 rep grab limonitic and sericitic granite with 2 qtz-aspy fractures
May-45 as above 12cm wide pc
May-46 rep grab bleached granite with trace biotite remaining, about 0.25% diss aspy
May-47 0.6m chip as above
May-48 3.0cm qtz-aspy vein
May-49 0.5m chip across three qtz-chlorite-aspy fractures
May-50 0.4m chip as per May-46
May-51 6cm pc granite cut by 4 qtz-chlorite-aspy fractures

May-52 0.4m chip metased talus with 1% sulphides Po/Py
May-53 actinolite skarn from Fringe Zone 1.0m chip trace Cu/As
May-54 as above
May-55 1.0m chip actinolite skarn with 2% Po/Zn/Cu

Samples May-53 to 55 are from the Fringe Zone main showing which is at 7072429 and 0415284

Mayb-1 rep grab banded metased, weakly schistose, with 0.5% diss and fracture controlled Po/Py
Mayb-2 2.0m chip as above
Mayb-3 rep grabs of granitic dyke with 0.25% diss py
Mayb-4 rep grabs as above
Mayb-5 rep grabs different dyke than 3 and 4
Mayb-6 as above
Mayb-7 rep grabs granite with 0.25% diss py/po
Mayb-8 rusty granite with diss and fracture controlled As-Py
Mayb-9 rep grab as per 7
Mayb-10 grey-green banded metased with 2% diss po/py/as/cu
Mayb-11 vuggy chloritic zone in granite no visible sulphides
Mayb-12 granite rep grabs from area of Mayb-11
Mayb-13 15cm pc granite with 2 rusty chlorite-qtz-aspy filled fractures
Mayb-14 rep grab granite cut by 2 chloritic fractures no min visible
Mayb-15 10cm pc granite with narrow Qtz-Aspy-Chlorite fracture
Mayb-16 as above
Mayb-17 as above with abundant qtz in fracture
Mayb-18 as per Mayb-15

Samples Mayb-14 to 18 are all in the vicinity of May-8

Mayb-19 rep grab granite with qtz-chlorite-As fracture
Mayb-20 as above
Mayb-21 as above
Mayb-22 rep grab vuggy qtz vein cutting granite
Mayb-23 0.4m chip of weakly sheared and chloritic granite cut by 3 qtz veinlets
Mayb-24 10 cm pc granite cut by 3 rusty fractures
Mayb-25 10cm pc granite cut by qtz/aspy min fracture
Mayb-26 0.3m chip cut by 3 qtz-py-chlorite min fractures
Mayb-27 as above 0.4m
Mayb-28 10 cm pc granite cut by narrow qtz py fracture, sericite adjacent to the fracture
Mayb-29 as above with about 0.5% aspy
Mayb-30 1.5m chip rusty metasediments at contact with granite
Mayb-31 1.0m chip manganese stained fault zone adjacent to above
Mayb-32 parallel metased bed to Mayb-30, 2.0m chip
Mayb-33 15cm pc granite with trace As along a dry fracture
Mayb-34 rep grab rusty granite

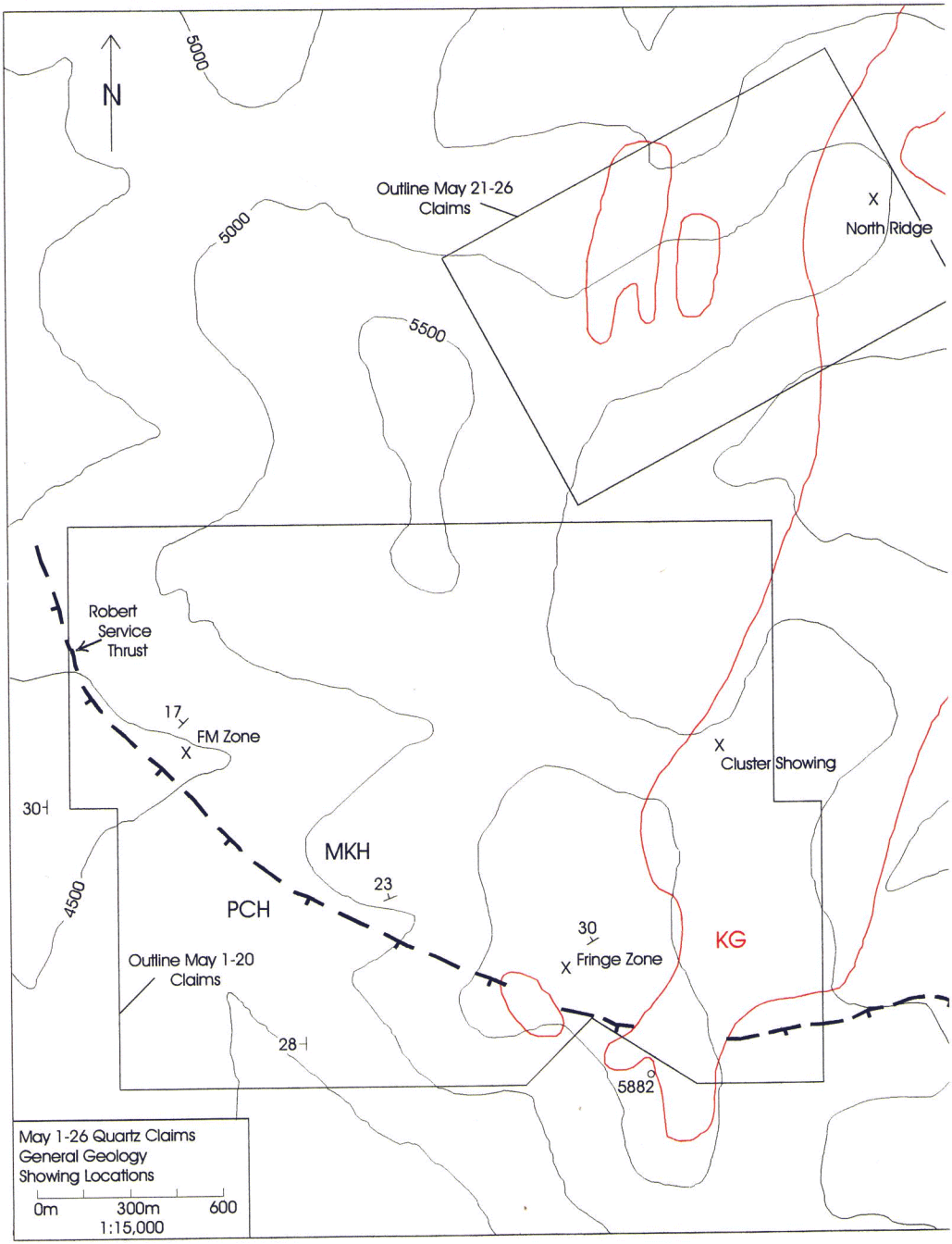
Mayb-35 10cm pc granite cut by 1.0cm qtz tourmaline vein
Mayb-36 20 small rep grabs of actinolite skarn taken from a 1.5m x 1.5m area of main skarn zone
Mayb-37 as above
Mayb-38 as above
Mayb-39 as above
Mayb-40 as above
Mayb-41 as above
Mayb-42 as above
Mayb-43 rep grabs actinolite skarn leached and crumbly
Mayb-44 as above
Mayb-45 rep grab actinolite skarn with pyrite on fracture surfaces
Mayb-46 rep grab granite with a qtz-py-chlorite fracture
Mayb-47 grab granite cut by a stockwork of milky white qtz veins
Mayb-48 rep grab biotite rich metased with trace Po
Mayb-49 10cm wide rusty vuggy qtz vein
Mayb-50 banded metased as per Mayb-48
Mayb-51 as above
Mayb-52 rep grab of 6cm high grade galena arsenopyrite vein (frost heave material)
Mayb-53 meta limestone
Mayb-54 as above

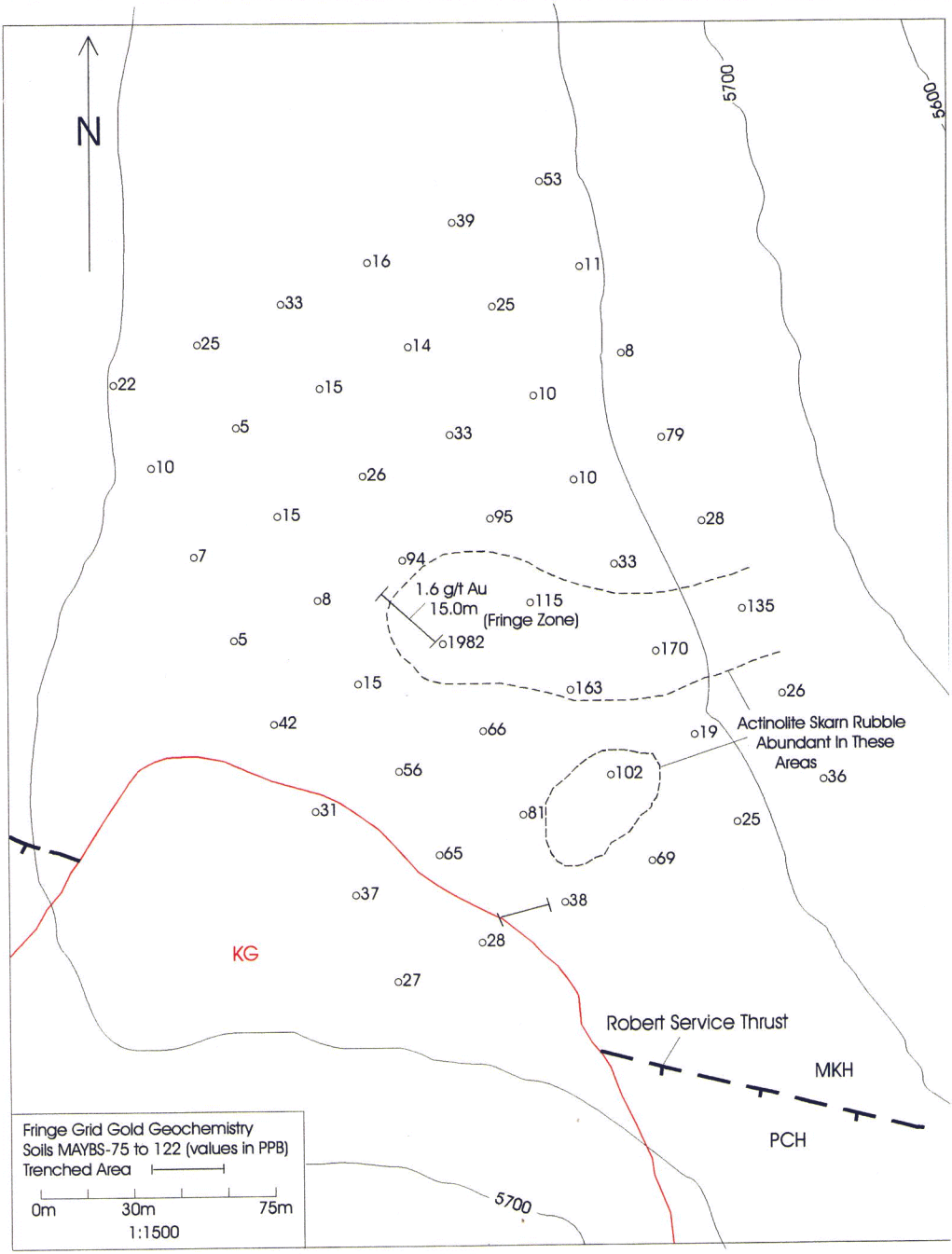
Costs

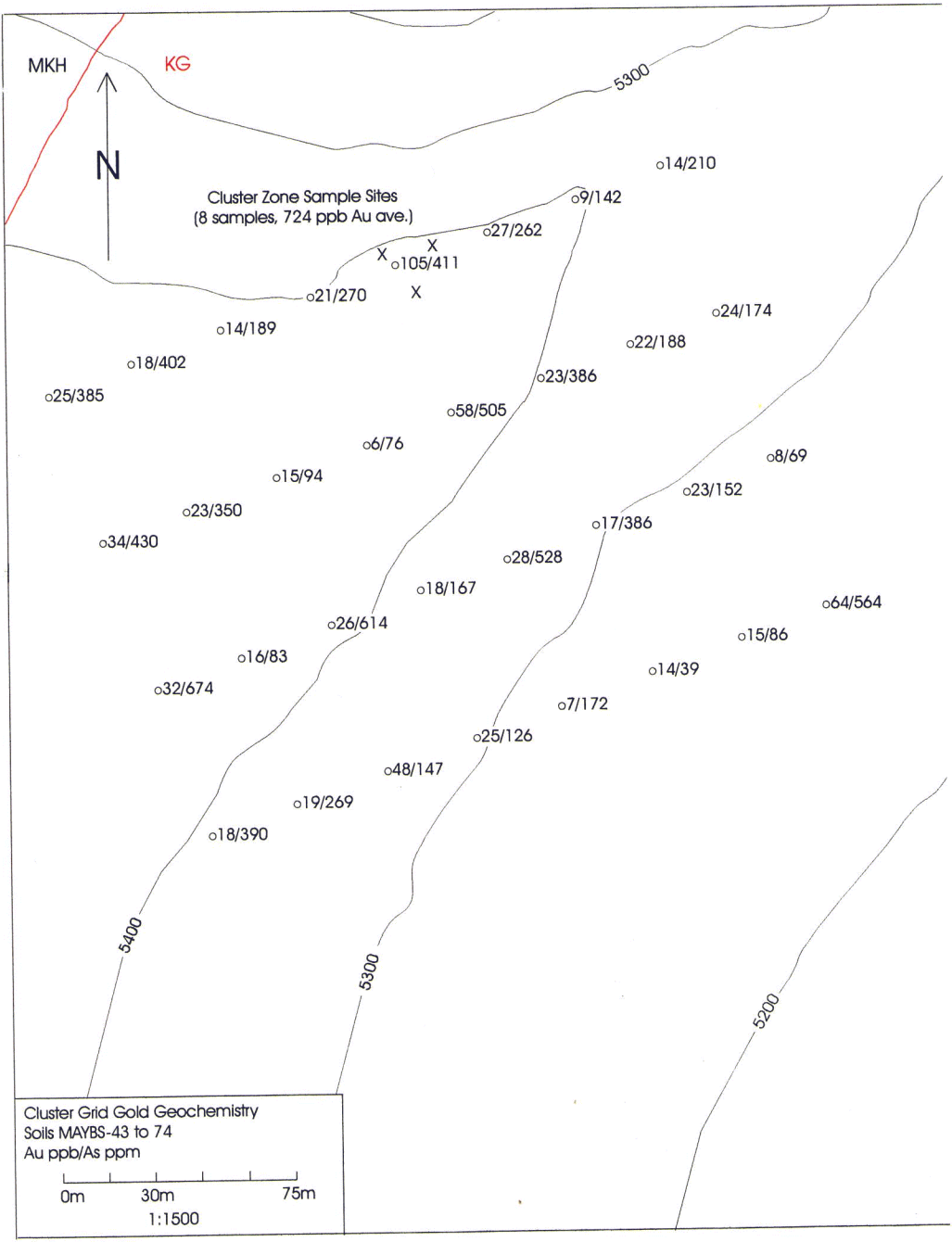
Sample Analysis Rock	$1213.38
Sample Analysis Soil	$2349.72
Wages Bernie Kreft	$2006.25
Wages Phil Christensen	$802.50
Helicopter Charter	$1065.46
Report Preparation	$600.00
	$8037.31

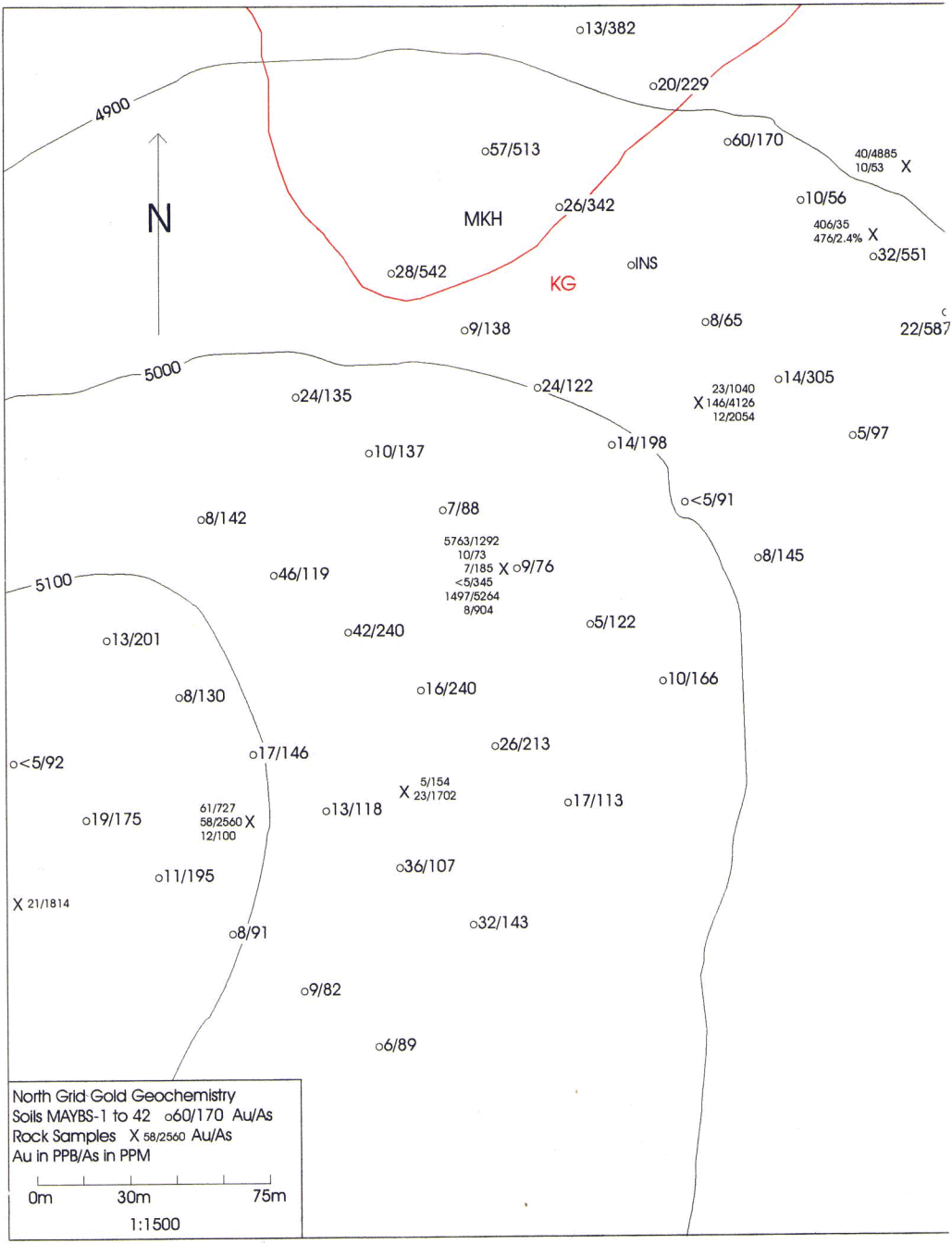
* I would like to apply $1200.00 worth of the above expenses towards renewal of the May 21-26 quartz claims *

* I would like to apply $2000.00 worth of the above expenses towards renewal of the May 1-20 quartz claims *


N
5000
5000
5500
Outline May 21-26
Claims
X
North Ridge
Robert
Service
Thrust
17
FM Zone
X
X
Cluster Showing
30
MKH
23
PCH
4500
30
X 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


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
(Fringe Zone)
8
115
135
5
1982
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
Fringe Grid Gold Geochemistry
Soils MAYBS-75 to 122 (values in PPB)
Trenched Area
0m
30m
75m
1:1500
5700


MKH
KG
N
5300
Cluster Zone Sample Sites
(8 samples, 724 ppb Au ave.)
14/210
9/142
27/262
105/411
21/270
24/174
14/189
22/188
18/402
23/386
25/385
58/505
6/76
8/69
15/94
23/152
23/350
17/386
34/430
28/528
18/167
64/564
26/614
15/86
16/83
14/39
32/674
7/172
25/126
48/147
19/269
18/390
5400
5300
5200
Cluster Grid Gold Geochemistry
Soils MAYBS-43 to 74
Au ppb/As ppm
0m
30m
75m
1:1500


4900
5000
5100
N
MKH
KG
INS
13/382
20/229
57/513
60/170
40/4885
10/53
X
10/56
406/35
476/2.4%
X
32/551
26/342
28/542
9/138
8/65
22/587
24/135
24/122
23/1040
X 146/4126
12/2054
14/305
5/97
14/198
10/137
<5/91
8/142
7/88
5763/1292
10/73
7/185
X 9/76
<5/345
1497/5264
8/904
8/145
46/119
42/240
5/122
13/201
10/166
16/240
8/130
26/213
17/146
<5/92
5/154
X 23/1702
17/113
19/175
61/727
58/2560
X
12/100
13/118
36/107
11/195
X 21/1814
32/143
8/91
9/82
6/89
North Grid Gold Geochemistry
Soils MAYBS-1 to 42 60/170 Au/As
Rock Samples X 58/2560 Au/As
Au in PPB/As in PPM
0m
30m
75m
1:1500

Northern Analytical Laboratories ltd.

17/06/98 Assay Certificate Page 1

Bernie Kreft WO# 07997

Certified by

Sample #	Au ppb
MAYB - 1	48
MAYB - 2	32
MAYB - 3	30
MAYB - 4	39
MAYB - 5	8
MAYB - 6	20
MAYB - 7	49
MAYB - 8	92
MAYB - 9	21
MAYB - 10	27
MAYB - 11	<5
MAYB - 12	<5
MAYB - 13	9
MAYB - 14	10
MAYB - 15	7
MAYB - 16	<5
MAYB - 17	1497
MAYB - 18	8
MAYB - 19	21
MAYB - 20	5
MAYB - 21	23
MAYB - 22	53
MAYB - 23	27
MAYB - 24	14
MAYB - 25	5
MAYB - 26	34
MAYB - 27	36
MAYB - 28	33
MAYB - 29	395
MAYB - 30	12

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

Bernie Kreft WO# 07997

Certified by

Sample #	Au ppb
MAYB - 31	<5
MAYB - 32	16
MAYB - 33	637
MAYB - 34	114
MAYB - 35	31
MAYB - 36	1055
MAYB - 37	761
MAYB - 38	746
MAYB - 39	761
MAYB - 40	1525
MAYB - 41	2244
MAYB - 42	1356
MAYB - 43	101
MAYB - 44	40
MAYB - 45	29
MAYB - 46	13
MAYB - 47	<5
MAYB - 48	<5
MAYB - 49	209
MAYB - 50	19
MAYB - 51	17
MAYB - 52	2350
MAYB - 53	<5
MAYB - 54	9
P - 1	7
P - 2	376
MAYBS - 1	<5
MAYBS - 2	13
MAYBS - 3	8
MAYBS - 4	24

Northern Analytical Laboratories ltd.

Bernie Kreft WO# 07997

Certified by

Sample #	Au ppb
MAYBS - 5	28
MAYBS - 6	57
MAYBS - 7	13
MAYBS - 8	20
MAYBS - 9	26
MAYBS - 10	9
MAYBS - 11	10
MAYBS - 12	46
MAYBS - 13	8
MAYBS - 14	19
MAYBS - 15	11
MAYBS - 16	17
MAYBS - 17	42
MAYBS - 18	7
MAYBS - 19	24
MAYBS - 21	60
MAYBS - 22	10
MAYBS - 23	8
MAYBS - 24	14
MAYBS - 25	9
MAYBS - 26	16
MAYBS - 27	13
MAYBS - 28	8
MAYBS - 29	9
MAYBS - 30	36
MAYBS - 31	26
MAYBS - 32	5
MAYBS - 33	<5
MAYBS - 34	14
MAYBS - 35	32

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern
Analytical
Laboratories ltd.

Bernie Kreft

WO# 07997

Certified by

Sample #	Au ppb
MAYBS - 36	22
MAYBS - 37	5
MAYBS - 38	8
MAYBS - 39	10
MAYBS - 40	17
MAYBS - 41	32
MAYBS - 42	6
MAYBS - 43	14
MAYBS - 44	9
MAYBS - 45	27
MAYBS - 46	105
MAYBS - 47	21
MAYBS - 48	14
MAYBS - 49	18
MAYBS - 50	25
MAYBS - 51	34
MAYBS - 52	23
MAYBS - 53	15
MAYBS - 54	6
MAYBS - 55	58
MAYBS - 56	23
MAYBS - 57	22
MAYBS - 58	24
MAYBS - 59	8
MAYBS - 60	23
MAYBS - 61	17
MAYBS - 62	28
MAYBS - 63	18
MAYBS - 64	26
MAYBS - 65	16

Northern
Analytical
Laboratories ltd.

Bernie Kreft WO# 07997

Certified by

Sample #	Au ppb
MAYBS - 66	32
MAYBS - 67	18
MAYBS - 68	19
MAYBS - 69	48
MAYBS - 70	25
MAYBS - 71	7
MAYBS - 72	14
MAYBS - 73	15
MAYBS - 74	64
MAYBS - 75	27
MAYBS - 76	37
MAYBS - 77	31
MAYBS - 78	42
MAYBS - 79	<5
MAYBS - 80	7
MAYBS - 81	10
MAYBS - 82	22
MAYBS - 83	25
MAYBS - 84	<5
MAYBS - 85	15
MAYBS - 86	8
MAYBS - 87	15
MAYBS - 88	56
MAYBS - 89	65
MAYBS - 90	28
MAYBS - 91	38
MAYBS - 92	81
MAYBS - 93	66
MAYBS - 94	1982
MAYBS - 95	94

Northern Analytical Laboratories ltd.

Bernie Kreft

WO# 07997

Certified by

Sample #	Au ppb
MAYBS - 96	26
MAYBS - 97	15
MAYBS - 98	33
MAYBS - 99	16
MAYBS - 100	14
MAYBS - 101	33
MAYBS - 102	95
MAYBS - 103	115
MAYBS - 104	163
MAYBS - 105	102
MAYBS - 106	69
MAYBS - 107	25
MAYBS - 108	19
MAYBS - 109	170
MAYBS - 110	33
MAYBS - 111	10
MAYBS - 112	10
MAYBS - 113	25
MAYBS - 114	39
MAYBS - 115	53
MAYBS - 116	11
MAYBS - 117	8
MAYBS - 118	79
MAYBS - 119	28
MAYBS - 120	135
MAYBS - 121	26
MAYBS - 122	36

CERTIFICATE OF ANALYSIS
iPL 98F0574

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Jun ba 3R at
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#7997

177 Samples
177=Pulp

[057413:31:13:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MAYB- 1	P	0.2	59	16	105	34	<	<	2	<	<	2.5	15	32	59	63	88	29	286	19	83	2	3	0.10	2.55	1.75	3.57	0.59	0.71	0.20	0.17
MAYB- 2	P	0.3	52	17	152	917	<	<	2	<	<	3.3	12	29	63	14	102	32	363	17	103	3	3	0.10	2.47	2.27	3.23	0.59	0.65	0.17	0.06
MAYB- 3	P	0.1	55	6	142	57	5	<	3	<	<	3.0	12	12	103	<	88	55	224	30	154	7	3	0.15	2.99	1.42	3.15	0.90	0.63	0.17	0.09
MAYB- 4	P	0.2	42	7	43	65	<	<	2	<	<	1.8	14	10	71	<	126	61	225	29	170	9	4	0.17	2.95	1.50	3.26	1.01	0.81	0.18	0.08
MAYB- 5	P	<	49	9	89	31	<	<	2	<	<	2.0	8	9	124	<	87	56	266	32	109	9	3	0.11	2.46	0.95	2.77	0.86	0.12	0.09	0.08
MAYB- 6	P	0.1	46	7	130	73	5	<	2	<	<	2.5	10	9	202	<	104	64	234	25	135	6	4	0.20	2.74	1.22	3.02	1.00	0.68	0.14	0.09
MAYB- 7	P	0.2	27	9	95	59	5	<	2	<	<	1.9	9	12	218	<	115	47	178	39	179	4	2	0.15	2.72	1.34	2.36	0.81	0.41	0.16	0.09
MAYB- 8	P	0.5	81	13	30	2640	<	<	3	<	<	2.4	27	12	35	<	44	21	124	50	180	2	1	0.05	2.34	1.20	3.85	0.35	0.06	0.17	0.11
MAYB- 9	P	0.2	21	8	70	283	<	<	2	<	<	1.9	10	10	245	<	122	61	227	39	170	4	3	0.17	2.90	1.37	2.74	1.07	0.58	0.16	0.09
MAYB-10	P	0.5	94	6	43	36	<	<	3	<	<	2.4	19	13	82	<	28	133	222	20	62	1	7	0.13	2.00	2.18	4.28	1.45	0.61	0.07	0.84
MAYB-11	P	0.3	8	<	459	117	<	<	2	<	<	8.8	25	32	62	<	86	77	5619	17	4	3	8	0.01	5.72	0.11	12%	1.93	0.04	<	0.04
MAYB-12	P	<	3	11	150	39	<	<	1	<	<	2.2	10	14	441	<	123	60	946	37	41	2	5	0.14	1.87	0.52	3.25	0.92	0.62	0.06	0.08
MAYB-13	P	<	16	12	73	175	5	<	2	<	<	1.5	9	12	458	5	118	49	328	38	106	2	3	0.17	1.83	0.84	2.24	0.65	0.70	0.15	0.07
MAYB-14	P	<	3	15	72	73	<	<	1	<	<	1.7	14	14	679	8	120	63	347	42	135	2	4	0.22	2.52	1.32	2.39	0.91	0.84	0.20	0.10
MAYB-15	P	<	20	12	79	185	5	<	1	<	<	1.7	12	12	659	<	118	58	332	31	137	3	3	0.19	2.17	0.94	2.58	0.78	0.89	0.15	0.08
MAYB-16	P	0.2	57	13	83	345	<	<	2	<	<	2.1	13	13	434	6	100	50	284	38	120	3	3	0.16	1.95	0.87	2.39	0.63	0.64	0.15	0.08
MAYB-17	P	0.4	7	12	63	5264	10	<	3	<	4	1.6	9	11	469	17	109	45	275	34	87	3	3	0.13	1.66	0.76	2.14	0.59	0.60	0.11	0.08
MAYB-18	P	<	63	10	86	904	<	<	2	<	<	1.9	18	14	230	5	109	44	221	28	134	1	3	0.15	2.07	1.06	2.66	0.51	0.49	0.17	0.08
MAYB-19	P	<	19	13	69	1814	5	<	2	<	<	1.6	12	11	479	<	109	46	314	42	95	2	3	0.17	2.07	0.90	2.57	0.72	0.84	0.15	0.07
MAYB-20	P	<	31	9	62	154	<	<	2	<	<	1.8	11	11	386	<	90	45	279	44	107	4	3	0.15	1.79	0.94	2.21	0.59	0.52	0.14	0.09
MAYB-21	P	<	10	30	122	1702	6	<	3	<	<	2.4	11	12	419	6	103	51	387	35	82	3	3	0.12	1.91	0.92	2.25	0.73	0.57	0.13	0.08
MAYB-22	P	2.4	535	6	105	1350	<	<	24	<	9	8.4	5	11	79	918	113	35	313	14	17	7	4	0.05	1.03	0.08	5.71	0.32	0.65	<	0.05
MAYB-23	P	2.6	187	60	92	1144	27	<	3	<	<	6.1	3	5	59	33	115	15	386	18	23	2	2	<	0.63	0.12	2.55	0.18	0.22	<	0.04
MAYB-24	P	0.7	111	10	112	95	5	<	3	<	<	2.3	7	13	431	22	119	63	474	38	109	3	6	0.19	2.20	0.81	2.79	0.91	0.75	0.11	0.08
MAYB-25	P	0.2	39	9	132	53	<	<	4	<	<	2.3	10	13	648	37	137	69	515	47	75	2	6	0.22	2.07	0.82	3.33	1.05	0.95	0.07	0.11
MAYB-26	P	0.3	53	14	143	1734	7	<	2	<	<	2.8	17	12	211	14	106	41	330	30	149	1	3	0.10	2.26	1.18	2.15	0.64	0.28	0.20	0.08
MAYB-27	P	0.2	93	12	209	414	<	<	2	<	<	4.7	10	11	131	21	82	47	381	23	66	3	5	0.10	1.91	0.71	2.49	0.65	0.30	0.12	0.07
MAYB-28	P	0.4	133	8	100	87	<	<	2	<	<	2.7	8	13	137	19	100	62	413	31	149	1	7	0.14	2.98	1.29	3.29	0.88	0.63	0.21	0.09
MAYB-29	P	0.3	18	14	121	2.2%	46	<	2	<	<	3.9	21	14	103	29	101	41	346	22	93	2	4	0.04	1.86	0.65	3.64	0.76	0.15	0.09	0.07
MAYB-30	P	0.3	109	8	84	148	<	<	3	<	<	1.8	11	36	41	<	137	41	210	8	15	4	5	0.05	1.58	0.31	2.41	0.78	0.63	0.07	0.02
MAYB-31	P	2.8	108	104	1024	134	9	<	3	<	<	9.7	9	38	28	<	113	24	3338	20	11	7	2	<	1.10	0.08	2.57	0.56	0.21	<	0.02
MAYB-32	P	0.7	208	7	603	153	<	<	4	<	<	12.4	10	21	28	21	86	34	353	19	150	2	3	0.09	2.98	1.65	2.81	0.39	0.19	0.24	0.01
MAYB-33	P	0.2	50	12	55	6312	12	<	2	<	<	1.9	8	8	157	12	92	30	248	30	53	6	3	0.08	1.27	0.42	2.15	0.46	0.35	0.07	0.05
MAYB-34	P	0.2	58	9	190	1862	<	<	2	<	<	3.7	10	12	37	41	96	49	389	20	181	1	5	0.09	3.56	1.70	2.62	0.82	0.40	0.35	0.08
MAYB-35	P	<	5	10	65	851	<	<	2	<	<	1.4	9	10	397	19	110	44	303	44	111	2	3	0.14	1.65	0.80	1.98	0.60	0.55	0.13	0.08
MAYB-36	P	3.5	1573	4	3157	1043	<	<	1	<	46	34.7	8	14	157	64	35	6	2136	8	26	2	1	0.04	0.67	1.18	3.69	0.17	0.03	<	0.03
MAYB-37	P	17.9	4384	<	3055	527	<	<	21	<	34	69.4	12	6	204	40	16	4	5759	6	33	2	1	0.02	0.32	1.46	6.46	0.41	0.03	<	0.05
MAYB-38	P	7.5	2182	<	5331	536	<	<	<	<	34	62.4	9	13	60	<	16	4	2740	6	26	2	1	0.03	0.39	1.52	5.11	0.19	0.03	<	0.03
MAYB-39	P	2.6	1414	2	3269	723	<	<	1	<	24	31.6	10	12	100	24	22	7	2271	11	29	2	1	0.04	0.68	1.24	4.20	0.16	0.08	<	0.02
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

CERTIFICATE OF ANALYSIS
iPL 98F0574

INTERNATIONAL PLASMA LABORATORY LTD.
2053 Kootenay Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#7997

177 Samples
177=Pulp

[057413:31:13:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MAYB-40	P	56.8	5315	<	16807	1882	<	<	<	<	67	0.3m	21	9	48	<	11	4	1631	4	17	2	1	0.02	0.35	0.78	7.46	0.07	0.05	<	0.05
MAYB-41	P	66.1	11144	<	4840	598	<	<	36	<	101	87.9	11	9	38	214	15	4	1762	7	20	3	1	0.03	0.50	1.32	5.35	0.11	0.10	<	0.05
MAYB-42	P	4.4	1373	<	5809	146	<	<	1	<	64	64.3	3	15	25	29	20	3	2810	5	25	2	1	0.03	0.30	1.68	4.29	0.19	0.04	<	0.04
MAYB-43	P	0.6	212	<	1634	62	<	<	1	<	<	17.0	16	11	179	113	33	6	2969	12	15	4	1	0.04	0.68	1.07	3.84	0.19	0.03	<	0.07
MAYB-44	P	0.9	1983	<	2040	129	<	<	3	<	<	20.2	11	11	174	171	18	6	2617	11	25	4	1	0.05	0.47	1.13	4.16	0.19	0.03	<	0.04
MAYB-45	P	<	56	<	1276	119	<	<	19	<	<	19.5	5	9	54	731	27	6	1860	8	27	4	1	0.05	0.43	1.27	2.57	0.38	0.02	<	0.02
MAYB-46	P	<	24	12	173	479	<	<	6	<	<	2.9	11	9	520	47	90	47	387	27	121	2	3	0.17	2.14	1.03	1.94	0.78	0.60	0.14	0.07
MAYB-47	P	<	29	9	205	61	<	<	5	<	<	2.5	11	16	671	9	101	63	512	39	69	3	4	0.21	2.35	0.80	2.44	1.03	0.77	0.10	0.07
MAYB-48	P	0.5	122	6	174	43	<	<	60	<	<	2.4	8	16	111	6	118	43	299	16	21	3	6	0.15	1.64	0.21	2.53	0.66	0.98	0.04	0.01
MAYB-49	P	3.6	622	<	5220	436	<	<	12	<	3	28.5	7	5	6	<	128	17	1737	5	6	2	1	0.08	0.98	0.49	5.63	0.08	0.02	<	0.01
MAYB-50	P	1.3	242	11	442	157	<	<	2	<	<	7.3	14	45	149	<	76	53	524	24	204	2	4	0.12	4.73	2.90	2.59	0.62	0.49	0.21	0.02
MAYB-51	P	0.2	346	6	903	164	<	<	2	<	<	8.5	6	23	71	53	41	18	802	21	230	2	2	0.08	5.01	3.36	2.60	0.29	0.08	0.28	0.01
MAYB-52	P	0.2m	2869	2.3%	10562	5.8%	77	<	51	<	<	0.3m	7	11	103	8	69	35	1073	16	25	2	3	<	1.28	0.54	8.25	0.65	0.10	<	0.07
MAYB-53	P	0.1	25	221	205	309	<	<	2	<	<	3.9	3	9	88	<	98	5	1081	10	9	1	1	0.01	0.37	0.31	0.74	0.08	0.07	0.02	0.01
MAYB-54	P	0.6	21	347	88	364	<	<	2	<	<	3.0	2	7	50	290	84	5	614	10	159	1	1	0.01	0.30	4.59	0.64	0.10	0.05	0.03	0.01
MAYBS- 1	P	<	18	14	67	92	<	<	2	<	<	1.5	10	24	116	10	20	35	319	15	17	1	2	0.04	1.21	0.21	2.26	0.40	0.06	<	0.07
MAYBS- 2	P	<	19	24	122	201	<	<	2	<	<	1.8	10	22	218	13	26	42	490	24	17	1	3	0.06	1.88	0.25	2.49	0.51	0.11	<	0.08
MAYBS- 3	P	<	20	14	92	142	<	<	1	<	<	1.8	11	24	243	<	27	46	446	24	23	1	3	0.08	1.38	0.30	2.65	0.52	0.11	<	0.09
MAYBS- 4	P	<	28	15	102	135	<	<	2	<	<	2.0	9	22	226	<	28	46	289	21	23	1	3	0.05	1.53	0.25	2.74	0.50	0.07	<	0.08
MAYBS- 5	P	<	40	23	179	542	<	<	2	<	<	2.9	14	29	253	6	37	47	595	24	43	1	4	0.06	1.98	0.26	3.22	0.60	0.24	<	0.06
MAYBS- 6	P	<	60	38	826	513	<	<	2	<	<	3.7	22	36	396	<	51	55	804	32	35	2	7	0.07	2.19	0.47	3.78	0.85	0.29	<	0.05
MAYBS- 7	P	<	33	67	255	382	<	<	3	<	<	3.3	12	28	208	<	32	51	556	16	21	1	2	0.04	2.04	0.19	3.34	0.55	0.09	<	0.10
MAYBS- 8	P	<	24	16	245	229	<	<	2	<	<	2.5	12	25	263	<	27	45	629	21	21	1	3	0.05	1.56	0.24	2.89	0.55	0.08	<	0.08
MAYBS- 9	P	<	33	16	329	342	<	<	2	<	<	4.0	14	28	208	<	31	49	891	26	28	1	4	0.07	1.67	0.26	3.41	0.57	0.15	<	0.08
MAYBS- 10	P	<	14	10	59	138	<	<	2	<	<	1.5	6	17	88	<	22	46	226	13	11	<	1	0.04	1.18	0.09	2.52	0.32	0.04	<	0.05
MAYBS- 11	P	<	23	15	83	137	<	<	2	<	<	1.7	11	24	196	<	32	56	378	19	19	1	3	0.05	1.87	0.19	3.13	0.57	0.06	<	0.08
MAYBS- 12	P	<	15	10	63	119	<	<	2	<	<	1.5	8	20	74	<	24	38	302	14	9	1	2	0.04	1.50	0.10	2.53	0.34	0.03	<	0.06
MAYBS- 13	P	<	18	12	62	130	<	<	2	<	<	1.6	9	20	137	<	22	39	326	18	13	1	2	0.04	1.39	0.14	2.49	0.40	0.05	<	0.06
MAYBS- 14	P	<	14	11	68	175	<	<	2	<	<	1.5	8	20	109	<	22	39	293	15	14	1	2	0.05	1.44	0.16	2.33	0.40	0.06	<	0.06
MAYBS- 15	P	<	21	28	120	195	<	<	2	<	<	1.8	9	19	202	<	30	48	348	21	15	1	2	0.04	1.81	0.15	2.72	0.52	0.06	<	0.07
MAYBS- 16	P	<	16	20	74	146	<	<	1	<	<	1.8	9	22	205	<	23	37	398	20	16	1	2	0.05	1.27	0.20	2.27	0.42	0.08	<	0.07
MAYBS- 17	P	<	25	19	132	240	<	<	2	<	<	2.3	12	25	308	5	32	51	577	25	21	2	4	0.07	1.69	0.27	2.93	0.54	0.10	<	0.09
MAYBS- 18	P	<	23	11	70	88	<	<	2	<	<	1.4	9	20	140	<	25	42	331	18	15	1	3	0.04	1.53	0.17	2.60	0.47	0.05	<	0.08
MAYBS- 19	P	<	17	13	75	122	<	<	2	<	<	1.6	9	18	241	<	23	41	481	23	19	1	2	0.06	1.44	0.21	2.39	0.43	0.09	<	0.08
MAYBS- 21	P	<	20	11	81	170	<	<	2	<	<	2.0	11	24	160	12	25	45	385	17	18	1	2	0.05	1.43	0.21	2.63	0.44	0.06	<	0.08
MAYBS- 22	P	<	33	9	82	56	<	<	2	<	<	1.8	11	21	194	<	22	38	372	18	20	2	4	0.05	1.05	0.25	2.56	0.43	0.05	<	0.08
MAYBS- 23	P	<	13	16	48	65	<	<	2	<	<	1.2	5	15	70	5	22	46	191	9	9	<	1	0.03	1.23	0.06	2.38	0.26	0.02	<	0.05
MAYBS- 24	P	<	30	10	72	198	<	<	2	<	<	1.5	10	25	157	<	22	41	377	20	17	1	3	0.04	1.36	0.21	2.61	0.42	0.06	<	0.08
MAYBS- 25	P	<	17	7	58	76	<	<	1	<	<	1.2	8	18	101	<	19	34	248	16	15	1	2	0.04	1.18	0.19	2.14	0.37	0.06	<	0.07
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

CERTIFICATE OF ANALYSIS
iPL 98F0574

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

Client : Northern Analytical Laboratories
Project: WO#7997

177 Samples
177=Pulp

[057413:31:13:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MAYBS- 26 P	<	22	20	109	240	<	<	2	<	<	1.9	11	24	287	6	31	46	502	24	21	1	3	0.07	1.63	0.25	2.64	0.50	0.11	<	0.08
MAYBS- 27 P	<	17	19	74	118	<	<	1	<	<	1.6	10	23	197	<	23	41	392	21	20	1	2	0.06	1.40	0.24	2.47	0.45	0.10	<	0.08
MAYBS- 28 P	<	12	16	59	91	<	<	1	<	<	1.2	5	14	139	<	19	37	185	12	12	1	1	0.03	1.00	0.12	1.88	0.31	0.04	<	0.05
MAYBS- 29 P	<	8	13	25	82	<	<	3	<	<	1.1	3	10	75	<	19	37	100	11	9	<	<	0.01	1.15	0.06	1.51	0.16	0.04	<	0.12
MAYBS- 30 P	<	16	15	88	107	<	<	2	<	<	1.8	9	19	180	8	23	43	424	21	17	1	2	0.06	1.29	0.22	2.38	0.40	0.08	<	0.08
MAYBS- 31 P	<	21	12	86	213	<	<	2	<	<	1.8	10	23	311	10	26	47	425	26	32	2	3	0.08	1.30	0.37	2.60	0.52	0.10	<	0.09
MAYBS- 32 P	<	21	17	79	122	<	<	2	<	<	1.6	9	20	141	<	30	50	306	19	15	1	3	0.05	1.79	0.17	2.81	0.53	0.07	<	0.08
MAYBS- 33 P	<	25	6	63	91	<	<	1	<	<	1.4	9	24	113	<	18	33	362	16	14	1	2	0.04	1.02	0.18	2.25	0.36	0.04	<	0.07
MAYBS- 34 P	<	33	21	91	305	<	<	2	<	<	1.9	10	24	182	<	30	53	448	20	15	<	2	0.04	1.90	0.15	3.11	0.51	0.07	<	0.08
MAYBS- 35 P	<	34	13	86	551	<	<	2	<	<	1.7	11	25	260	<	27	47	462	28	23	1	4	0.05	1.58	0.25	2.85	0.52	0.07	<	0.08
MAYBS- 36 P	<	31	26	148	587	<	<	2	<	<	2.2	12	27	250	9	30	49	544	28	32	1	3	0.05	1.85	0.28	2.92	0.51	0.08	<	0.09
MAYBS- 37 P	<	16	21	49	97	<	<	1	<	<	1.3	6	17	91	<	21	37	197	12	11	1	1	0.03	1.22	0.11	2.09	0.28	0.05	0.01	0.06
MAYBS- 38 P	<	20	9	68	145	<	<	2	<	<	1.5	7	21	126	<	22	39	233	16	13	1	2	0.03	1.27	0.14	2.55	0.40	0.05	<	0.06
MAYBS- 39 P	<	16	12	65	166	<	<	1	<	<	2.0	8	19	135	<	22	40	321	15	13	1	2	0.04	1.39	0.14	2.63	0.41	0.05	<	0.05
MAYBS- 40 P	<	25	22	102	113	<	<	3	<	<	1.9	11	25	271	<	31	53	303	24	24	1	4	0.07	1.74	0.28	2.81	0.60	0.08	<	0.10
MAYBS- 41 P	<	19	21	111	143	<	<	2	<	<	2.2	12	22	331	11	28	49	598	26	27	1	3	0.08	1.42	0.34	2.70	0.53	0.13	<	0.09
MAYBS- 42 P	<	16	13	76	89	<	<	1	<	<	1.6	8	19	99	<	19	38	318	19	13	1	2	0.04	1.09	0.18	2.27	0.35	0.06	<	0.07
MAYBS- 43 P	<	26	16	112	210	<	<	2	<	<	1.9	11	25	209	17	25	45	476	21	21	2	3	0.07	1.56	0.27	2.57	0.46	0.10	<	0.09
MAYBS- 44 P	<	14	15	80	142	<	<	<	<	<	1.8	9	20	95	<	16	32	351	14	10	1	2	0.04	1.23	0.11	2.44	0.36	0.04	0.03	0.04
MAYBS- 45 P	<	77	13	135	262	<	<	1	<	<	2.5	11	21	288	13	26	49	507	29	50	3	3	0.08	1.41	0.39	2.75	0.50	0.14	<	0.10
MAYBS- 46 P	0.3	42	16	58	411	<	<	2	<	<	1.2	4	10	104	19	20	34	144	21	12	<	1	0.03	1.54	0.08	1.79	0.19	0.08	0.01	0.15
MAYBS- 47 P	0.9	37	14	140	270	<	<	2	<	<	2.2	11	25	147	19	26	47	474	19	14	2	2	0.05	1.60	0.13	2.98	0.47	0.07	<	0.04
MAYBS- 48 P	0.2	44	21	147	189	<	<	2	<	<	2.4	10	23	153	6	25	42	452	20	17	1	3	0.06	1.45	0.22	2.71	0.48	0.09	<	0.07
MAYBS- 49 P	0.6	83	15	236	402	<	<	3	<	<	3.1	10	25	156	5	27	46	557	22	19	1	3	0.05	1.46	0.20	2.90	0.46	0.10	<	0.07
MAYBS- 50 P	0.5	80	26	286	385	<	<	2	<	<	4.5	12	22	229	6	29	49	791	27	31	1	4	0.06	1.49	0.28	2.99	0.49	0.13	<	0.08
MAYBS- 51 P	0.4	72	16	189	430	<	<	2	<	<	2.7	11	23	190	9	29	47	432	23	16	1	3	0.06	1.72	0.18	3.01	0.51	0.11	<	0.07
MAYBS- 52 P	0.1	54	31	142	350	<	<	2	<	<	2.5	11	24	221	14	29	50	454	23	22	1	3	0.07	1.66	0.23	2.94	0.49	0.12	<	0.08
MAYBS- 53 P	0.2	25	47	52	94	<	<	2	<	<	1.6	5	12	106	7	24	47	218	15	14	1	1	0.05	1.51	0.13	2.26	0.26	0.11	0.01	0.14
MAYBS- 54 P	<	20	29	67	76	<	<	2	<	<	1.4	6	13	189	10	22	40	225	24	24	1	2	0.08	1.31	0.23	2.05	0.39	0.20	0.03	0.10
MAYBS- 55 P	0.9	70	31	168	505	8	<	3	<	<	2.8	11	18	226	12	28	47	630	32	21	1	3	0.03	1.78	0.20	3.24	0.47	0.11	<	0.09
MAYBS- 56 P	<	53	13	122	386	<	<	2	<	<	2.1	10	23	169	6	27	49	419	22	20	2	3	0.06	1.55	0.23	2.87	0.48	0.09	<	0.08
MAYBS- 57 P	<	34	24	94	188	<	<	2	<	<	1.9	9	21	196	9	24	44	410	24	19	1	3	0.05	1.52	0.19	2.77	0.46	0.07	<	0.07
MAYBS- 58 P	0.2	24	22	104	174	6	<	2	<	<	2.2	9	21	194	5	25	45	446	25	16	1	2	0.04	1.58	0.16	2.84	0.44	0.07	<	0.07
MAYBS- 59 P	<	16	18	79	69	<	<	2	<	<	1.8	9	20	94	6	24	44	462	14	8	1	2	0.03	1.60	0.08	2.90	0.41	0.05	<	0.04
MAYBS- 60 P	<	28	16	95	152	5	<	2	<	<	1.9	11	21	193	7	25	45	566	23	18	1	2	0.06	1.51	0.22	2.68	0.47	0.10	<	0.08
MAYBS- 61 P	0.1	44	20	120	386	5	<	3	<	<	1.9	10	21	165	12	27	50	503	23	17	1	3	0.06	1.82	0.19	2.96	0.49	0.09	<	0.07
MAYBS- 62 P	1.2	67	41	166	528	<	<	3	<	<	2.2	11	23	216	10	31	58	620	22	22	1	2	0.04	2.05	0.18	3.52	0.54	0.09	<	0.08
MAYBS- 63 P	1.3	31	34	103	167	<	<	1	<	<	2.0	9	24	124	<	21	39	441	18	14	1	2	0.04	1.31	0.16	2.62	0.40	0.05	<	0.06
MAYBS- 64 P	2.2	78	75	284	614	<	<	2	<	<	3.3	10	16	253	<	21	32	1392	45	22	<	5	0.01	1.33	0.32	2.71	0.42	0.13	<	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

CERTIFICATE OF ANALYSIS
iPL 98F0574

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

Client : Northern Analytical Laboratories
Project: WO#7997

177 Samples
177=Pulp

[057413:31:13:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MAYBS- 65	P	<	17	22	43	83	<	<	2	<	<	1.2	5	10	58	7	19	50	130	11	8	1	1	0.05	1.05	0.05	1.88	0.13	0.03	<	0.06
MAYBS- 66	P	0.9	78	32	192	674	<	<	3	<	<	2.9	12	23	202	8	28	49	618	25	20	1	3	0.05	1.79	0.17	3.15	0.49	0.11	<	0.07
MAYBS- 67	P	0.7	50	40	150	390	<	<	3	<	<	2.5	10	23	169	14	27	48	633	23	14	1	2	0.03	1.65	0.13	3.09	0.44	0.07	<	0.07
MAYBS- 68	P	1.5	68	44	173	269	<	<	2	<	<	2.9	11	21	242	9	25	44	896	30	23	1	3	0.05	1.39	0.26	2.80	0.51	0.09	<	0.09
MAYBS- 69	P	<	25	19	113	147	<	<	2	<	<	2.3	10	21	113	<	24	44	491	19	11	1	2	0.04	1.82	0.11	2.71	0.42	0.06	<	0.06
MAYBS- 70	P	0.3	26	15	71	126	<	<	2	<	<	1.7	6	17	108	<	22	48	245	18	11	<	1	0.03	1.38	0.10	2.62	0.31	0.04	<	0.05
MAYBS- 71	P	0.4	35	15	110	172	<	<	2	<	<	2.0	10	22	147	11	24	42	444	22	13	1	2	0.05	1.63	0.13	2.66	0.45	0.09	<	0.05
MAYBS- 72	P	<	12	43	50	39	<	<	1	<	<	1.4	7	17	68	<	18	36	296	11	7	1	1	0.02	1.15	0.06	2.40	0.31	0.03	<	0.03
MAYBS- 73	P	0.1	32	91	49	86	<	<	2	<	<	1.3	5	13	135	5	18	36	210	14	16	1	1	0.03	1.28	0.16	2.06	0.18	0.06	0.01	0.10
MAYBS- 74	P	1.2	60	20	152	564	<	<	2	<	<	2.5	12	23	255	18	29	50	659	36	34	1	4	0.06	1.66	0.25	3.00	0.52	0.12	<	0.08
MAYBS- 75	P	1.3	55	41	218	292	<	<	1	<	<	2.4	9	22	157	<	27	42	778	21	16	1	3	0.03	1.60	0.18	2.77	0.52	0.10	<	0.05
MAYBS- 76	P	0.7	131	15	299	341	<	<	2	<	<	3.1	8	26	153	10	26	42	477	16	18	1	2	0.04	1.56	0.21	3.05	0.48	0.09	<	0.07
MAYBS- 77	P	0.1	60	14	141	209	<	<	3	<	<	2.7	13	32	157	<	30	47	508	22	16	1	3	0.06	1.71	0.21	3.06	0.54	0.14	<	0.07
MAYBS- 78	P	<	64	21	115	303	<	<	3	<	<	2.1	17	38	138	5	31	50	466	17	15	1	3	0.06	1.83	0.12	3.32	0.52	0.12	<	0.04
MAYBS- 79	P	<	19	11	50	73	<	<	2	<	<	1.2	5	12	86	<	22	50	223	12	9	<	1	0.03	1.20	0.07	2.27	0.20	0.07	<	0.05
MAYBS- 80	P	<	34	12	86	34	<	<	3	<	<	1.9	12	32	123	<	27	46	328	16	17	2	3	0.05	1.66	0.21	2.94	0.55	0.08	<	0.06
MAYBS- 81	P	<	24	11	101	72	<	<	2	<	<	1.8	8	22	110	<	27	48	313	13	10	1	2	0.03	1.65	0.09	2.89	0.44	0.05	<	0.05
MAYBS- 82	P	<	36	12	147	114	<	<	2	<	<	2.3	17	32	105	<	27	43	420	20	21	1	3	0.05	1.35	0.24	2.90	0.53	0.11	<	0.08
MAYBS- 83	P	1.2	46	11	346	216	<	<	2	<	<	4.1	10	30	136	<	26	41	561	22	18	1	3	0.05	1.30	0.20	2.90	0.49	0.08	<	0.07
MAYBS- 84	P	<	21	6	76	45	<	<	1	<	<	1.7	7	18	81	<	19	30	219	12	12	2	2	0.03	1.16	0.16	2.13	0.38	0.06	<	0.06
MAYBS- 85	P	<	34	8	88	100	<	<	2	<	<	1.8	11	28	141	<	27	43	282	18	23	1	3	0.05	1.38	0.25	2.67	0.49	0.12	<	0.08
MAYBS- 86	P	<	25	10	68	63	<	<	2	<	<	1.5	8	22	97	<	26	47	248	13	11	1	1	0.04	1.57	0.11	2.70	0.41	0.08	<	0.05
MAYBS- 87	P	0.2	49	7	127	84	<	<	2	<	<	2.5	12	29	185	<	32	53	451	20	18	1	3	0.06	1.87	0.21	3.29	0.57	0.10	<	0.08
MAYBS- 88	P	0.5	210	4	357	316	<	<	3	<	<	3.8	11	31	173	<	29	44	656	19	21	<	3	0.05	1.64	0.23	3.36	0.51	0.09	<	0.07
MAYBS- 89	P	0.8	195	5	306	212	<	<	2	<	<	3.1	8	27	145	9	28	42	381	18	18	1	3	0.05	1.59	0.24	2.95	0.55	0.09	<	0.07
MAYBS- 90	P	0.8	76	45	225	204	<	<	1	<	<	2.9	10	27	221	30	35	49	869	20	19	1	3	0.04	2.19	0.25	3.45	0.68	0.13	<	0.07
MAYBS- 91	P	0.8	79	17	205	110	<	<	2	<	<	2.9	8	25	229	30	33	43	560	20	22	1	4	0.06	1.84	0.29	3.28	0.64	0.12	<	0.06
MAYBS- 92	P	0.5	118	9	333	378	<	<	2	<	<	4.1	9	24	150	5	23	36	430	17	26	2	3	0.04	1.35	0.29	2.57	0.48	0.06	<	0.07
MAYBS- 93	P	1.0	234	8	466	298	<	<	3	<	<	5.9	11	26	219	7	24	40	723	19	30	1	3	0.04	1.37	0.26	2.98	0.48	0.07	<	0.08
* MAYBS- 94	P	9.6	4683	<	4679	3428	<	<	3	<	76	98.8	43	33	148	<	21	29	6835	12	42	2	3	0.03	1.33	0.68	8.80	0.57	0.07	<	0.07
MAYBS- 95	P	1.4	762	8	234	126	<	<	2	<	<	3.6	10	27	124	<	27	41	563	20	19	1	3	0.05	1.35	0.25	2.90	0.49	0.10	<	0.07
MAYBS- 96	P	<	44	5	95	158	<	<	2	<	<	1.6	12	24	125	<	42	44	372	20	71	2	3	0.08	1.47	0.37	2.65	0.59	0.17	<	0.08
MAYBS- 97	P	0.2	31	7	85	86	<	<	2	<	<	1.7	12	25	149	<	25	39	1086	23	18	1	3	0.04	1.17	0.22	2.61	0.45	0.09	<	0.07
MAYBS- 98	P	0.1	82	8	98	43	<	<	2	<	<	2.0	14	37	113	5	29	44	347	22	31	2	4	0.07	1.65	0.27	3.29	0.68	0.20	<	0.08
MAYBS- 99	P	<	55	9	139	98	<	<	2	<	<	2.4	18	35	142	<	31	45	389	21	35	1	4	0.08	1.85	0.26	3.01	0.68	0.28	<	0.07
MAYBS-100	P	0.3	31	6	80	56	<	<	1	<	<	1.4	10	26	101	<	22	35	829	22	18	2	3	0.05	1.17	0.20	2.52	0.45	0.09	<	0.06
MAYBS-101	P	<	34	7	132	137	<	<	1	<	<	2.2	9	24	93	5	28	37	372	20	21	1	3	0.06	1.29	0.22	2.48	0.48	0.12	<	0.07
MAYBS-102	P	<	59	5	91	114	<	<	2	<	<	1.6	8	24	121	60	24	37	359	16	14	1	2	0.04	1.38	0.15	2.98	0.43	0.07	<	0.05
* MAYBS-103	P	0.8	349	7	452	189	<	<	2	<	<	3.8	7	24	92	5	22	36	297	15	12	2	3	0.04	1.24	0.17	2.79	0.45	0.05	<	0.06
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

CERTIFICATE OF ANALYSIS
iPL 98F0574

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: WO#7997

177 Samples
177=Pulp

[057413:31:13:89062598]

Out: Jun 25, 1998
In : Jun 18, 1998

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 %
MAYBS-104	P	1.9	745	5	1654	389	<	<	3	<	3	14.6	14	27	146	27	24	36	927	14	19	1	3	0.04	1.14	0.35	3.50	0.48	0.05	< 0.07
MAYBS-105	P	0.6	106	19	446	428	10	<	2	<	<	6.2	9	21	198	17	23	34	648	16	20	1	3	0.03	1.47	0.29	2.54	0.49	0.07	< 0.06
MAYBS-106	P	1.0	146	144	332	187	<	<	2	<	<	4.8	10	18	128	111	23	36	1402	24	17	<	3	0.03	1.32	0.21	3.34	0.45	0.07	< 0.07
MAYBS-107	P	0.5	50	18	151	87	<	<	2	<	<	2.4	6	17	107	15	23	32	411	22	14	1	3	0.03	1.19	0.20	2.26	0.49	0.09	< 0.07
MAYBS-108	P	0.5	56	66	365	148	<	<	1	<	<	2.7	7	20	155	14	26	35	1020	21	14	1	3	0.03	1.58	0.24	2.73	0.68	0.09	< 0.06
MAYBS-109	P	1.1	229	10	502	297	<	<	3	<	<	5.1	9	21	197	33	34	45	494	19	18	1	4	0.04	1.62	0.27	3.92	0.53	0.10	< 0.07
MAYBS-110	P	0.3	44	7	118	114	<	<	3	<	<	2.2	13	30	171	10	27	45	539	19	15	1	2	0.04	1.42	0.16	2.98	0.48	0.09	< 0.05
MAYBS-111	P	<	28	13	89	109	<	<	2	<	<	2.0	7	21	105	<	28	52	333	14	10	1	1	0.02	1.61	0.08	3.05	0.38	0.07	< 0.07
MAYBS-112	P	0.2	30	12	75	54	5	<	2	<	<	1.6	10	25	152	<	27	37	389	21	15	1	3	0.05	1.48	0.18	2.56	0.52	0.17	< 0.06
MAYBS-113	P	0.3	78	12	857	178	<	<	2	<	<	11.0	15	28	93	<	26	39	587	18	31	3	4	0.06	1.39	0.33	3.05	0.54	0.16	< 0.08
MAYBS-114	P	0.5	65	9	666	233	5	<	1	<	<	6.9	15	34	119	<	27	41	452	19	29	2	4	0.06	1.44	0.30	3.05	0.57	0.15	< 0.08
MAYBS-115	P	0.1	141	12	1147	662	<	<	2	<	<	15.5	16	26	106	<	23	38	671	17	24	1	3	0.05	1.36	0.26	3.13	0.47	0.09	< 0.08
MAYBS-116	P	0.1	38	6	266	139	<	<	1	<	<	4.0	10	25	129	<	24	37	336	17	27	2	3	0.06	1.27	0.28	2.53	0.54	0.15	< 0.07
MAYBS-117	P	<	32	11	221	68	<	<	2	<	<	2.7	9	23	124	<	24	37	373	18	14	1	2	0.05	1.41	0.16	2.59	0.49	0.09	< 0.06
MAYBS-118	P	<	38	8	85	245	<	<	2	<	<	1.8	12	24	92	5	26	34	375	19	26	1	3	0.05	1.35	0.23	2.48	0.49	0.20	< 0.06
MAYBS-119	P	0.2	40	5	108	93	<	<	3	<	<	2.4	10	26	154	6	26	46	429	22	19	1	3	0.06	1.22	0.27	2.82	0.43	0.10	< 0.09
MAYBS-120	P	1.2	170	6	410	172	<	<	3	<	<	3.8	8	24	184	10	33	43	371	20	20	1	3	0.05	1.63	0.30	3.18	0.56	0.10	< 0.08
MAYBS-121	P	0.3	51	32	209	137	<	<	2	<	<	2.4	8	23	140	34	27	40	698	18	12	1	2	0.02	1.61	0.14	2.95	0.51	0.08	< 0.08
MAYBS-122	P	0.6	55	40	271	145	<	<	2	<	<	2.8	11	22	108	40	27	40	633	20	12	1	2	0.04	1.49	0.15	2.96	0.48	0.09	< 0.07
P - 1	P	0.2	8	58	34	29	<	<	2	<	<	1.2	4	4	43	<	65	<	457	18	70	3	2	<	0.22	2.46	1.91	0.17	0.20	< 0.04
P - 2	P	3.9	80	366	69	221	80	<	6	<	237	0.8	6	7	44	0.1%	79	<	383	8	52	2	1	<	0.20	1.89	1.86	0.07	0.17	< 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
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.

23/09/97 Assay Certificate Page 1

Bernie Kreft WO# 07925

Certified by

Sample #	Au ppb
BKNUK-30	[redacted]
BKNUK-31	
BKNUK-32	
BKNUK-33	
BKNUK-34	
BKNUK-35	
BKNUK-36	
BKNUK-37	
BKNUK-38	
BKNUK-39	
BKNUK-40	
BKNUK-41	
May-1	40
May-2	10
May-3	406
May-4	476
May-5	23
May-6	146
May-7	12
May-8	5763
May-9	61
May-10	58
May-11	12
May-12	182
May-13	93
May-14	214
May-15	13
May-20	19
May-21	13
May-22	12

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

Bernie Kreft WO# 07925

Certified by

Sample #	Au ppb
May-23	8
May-24	10
May-25	<5
May-26	<5
May-27	26
May-28	9
May-29	85
May-30	38
May-40	64
May-41	36
May-42	47
May-43	22
May-44	156
May-45	21
May-46	459
May-47	496
May-48	2983
May-49	204
May-50	875
May-51	27
May-52	13
May-53	563
May-54	249
May-55	6630
[redacted]	[redacted]
NUT-2	[redacted]
NUT-3	
NUT-4	
NUT-5	
NUT-6	

CERTIFICATE OF ANALYSIS

iPL 97I0959

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: 7925

86 Samples
86=Pulp

[095914:46:19:79100297]

Out: Oct 02, 1997
In : Sep 25, 1997

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 %
BKNUK - 30	P	1.3	71	252	382	18	<	<	1	<	<	2.4	10	5	245	<	85	20	261	23	82	4	5	0.20	2.37	0.92	2.57	0.74	0.82	0.23	0.04
BKNUK - 31	P	1.2	52	327	134	53	<	<	2	<	<	1.1	9	5	289	<	82	21	227	24	104	2	5	0.22	2.44	1.03	2.43	0.78	0.80	0.25	0.05
BKNUK - 32	P	0.7	99	94	163	38	<	<	2	<	<	1.2	9	4	225	9	77	16	284	30	133	4	4	0.18	2.17	1.02	2.37	0.66	0.82	0.23	0.04
BKNUK - 33	P	1.0	129	91	104	263	<	<	3	<	57	1.1	12	4	227	<	67	16	218	29	71	3	4	0.17	2.19	1.12	2.39	0.71	0.72	0.22	0.05
BKNUK - 34	P	0.5	85	37	81	98	<	<	2	<	<	0.9	10	6	227	<	75	16	192	25	90	4	4	0.18	2.19	0.87	2.26	0.61	0.75	0.26	0.05
BKNUK - 35	P	0.2	47	29	71	11	<	<	2	<	<	0.6	9	4	223	<	68	18	217	25	70	3	5	0.19	2.30	1.02	2.32	0.75	0.74	0.22	0.05
BKNUK - 36	P	0.7	30	45	80	29	<	<	1	<	<	0.8	10	5	273	<	85	21	199	24	90	2	5	0.24	2.68	1.14	2.57	0.76	0.96	0.32	0.06
BKNUK - 37	P	0.7	128	22	62	80	<	<	1	<	<	0.6	12	4	236	<	66	20	230	23	100	5	5	0.24	2.62	1.23	2.65	0.71	0.86	0.28	0.05
BKNUK - 38	P	0.2	60	21	70	38	<	<	2	<	<	1.1	11	8	151	<	91	62	264	8	125	1	5	0.19	4.43	2.47	2.62	1.11	0.84	0.39	0.03
BKNUK - 39	P	0.2	24	26	90	38	<	<	1	<	<	1.1	15	13	251	<	89	86	274	11	154	1	5	0.20	5.72	3.00	2.74	1.50	1.20	0.54	0.04
BKNUK - 40	P	0.2	95	20	47	78	<	<	2	<	<	0.8	16	10	180	<	65	71	233	12	147	2	6	0.21	5.43	2.89	2.88	1.34	0.89	0.48	0.05
BKNUK - 41	P	0.2	37	18	59	46	<	<	2	<	<	0.9	14	13	234	<	87	75	296	8	160	1	4	0.19	5.21	2.95	2.51	1.33	0.97	0.50	0.03
MAY - 01	P	0.2	14	20	187	4885	5	<	1	<	<	1.7	12	11	303	<	115	50	367	46	73	1	4	0.13	1.78	0.78	2.29	0.75	0.67	0.17	0.07
MAY - 02	P	0.1	9	23	113	53	<	<	1	<	<	0.7	10	11	692	<	129	59	389	39	65	3	4	0.22	1.94	0.59	2.27	0.87	0.99	0.17	0.07
MAY - 03	P	0.2	11	36	612	35	<	<	2	<	<	3.5	9	13	616	<	145	56	535	43	49	3	6	0.15	1.79	0.68	2.48	0.73	0.61	0.11	0.07
MAY - 04	P	0.4	18	42	128	2.4%	19	<	2	<	<	2.9	8	10	22	8	102	24	134	13	94	1	2	0.04	1.93	0.92	2.89	0.46	0.44	0.22	0.06
MAY - 05	P	0.1	18	21	128	1040	<	<	3	<	<	1.5	8	10	497	6	115	54	416	41	59	3	6	0.15	1.68	0.66	2.23	0.82	0.69	0.14	0.07
MAY - 06	P	0.2	10	22	84	4126	<	<	1	<	<	1.2	10	10	396	<	99	44	263	33	102	1	3	0.12	1.85	0.86	1.89	0.59	0.57	0.20	0.08
MAY - 07	P	0.3	41	31	102	2054	<	<	2	<	<	1.4	10	10	125	5	99	41	235	31	153	1	3	0.09	2.76	1.28	2.27	0.67	0.58	0.27	0.08
MAY - 08	P	0.8	4	35	166	1292	<	<	1	<	<	1.1	11	11	687	6	121	56	345	28	106	1	4	0.20	1.87	0.67	2.20	0.79	0.97	0.18	0.07
MAY - 09	P	<	46	20	80	727	<	<	3	<	<	0.8	12	12	163	79	113	46	271	31	115	6	3	0.13	2.12	1.03	2.25	0.64	0.55	0.23	0.08
MAY - 10	P	<	36	22	55	2560	<	<	2	<	<	0.7	11	11	205	24	110	38	230	29	152	1	2	0.10	2.31	1.17	1.99	0.54	0.42	0.26	0.08
MAY - 11	P	0.1	42	29	49	100	<	<	2	<	<	0.7	12	10	116	7	124	38	184	26	190	1	3	0.13	3.16	1.78	2.16	0.52	0.39	0.42	0.08
MAY - 12	P	0.2	36	109	82	63	14	<	8	<	<	0.1	17	31	152	<	127	62	314	26	47	1	8	0.25	3.46	0.95	3.88	1.08	1.61	0.19	0.03
MAY - 13	P	0.2	49	41	92	8214	5	<	1	<	<	1.2	17	36	56	6	92	39	179	16	68	<	5	0.08	2.39	0.80	2.98	0.73	0.70	0.23	0.07
MAY - 14	P	0.4	35	38	89	8673	<	<	1	<	<	0.6	14	34	53	814	108	29	159	11	62	<	4	0.06	2.16	0.77	2.76	0.66	0.68	0.22	0.04
MAY - 15	P	<	29	8	60	237	<	<	2	<	<	<	11	21	309	23	79	50	214	33	16	1	6	0.20	2.64	0.08	4.14	1.17	1.96	0.04	0.03
MAY - 20	P	0.6	162	14	173	134	<	<	2	<	<	1.1	12	28	71	9	116	54	308	14	72	1	7	0.13	2.73	0.83	3.54	0.80	0.85	0.21	0.01
MAY - 21	P	0.4	115	18	752	106	<	<	<	<	<	10.2	9	30	66	42	64	39	593	20	128	1	4	0.10	2.89	1.42	2.05	0.47	0.39	0.42	0.03
MAY - 22	P	0.2	117	12	89	43	<	<	7	<	<	0.3	14	42	56	<	88	73	228	13	66	1	7	0.12	3.28	1.03	3.49	1.14	1.24	0.25	0.02
MAY - 23	P	<	42	14	49	13	<	<	2	<	<	0.3	6	13	39	<	112	35	138	9	10	2	3	0.04	1.17	0.18	1.44	0.56	0.24	0.06	0.01
MAY - 24	P	0.1	122	10	84	49	<	<	2	<	<	0.6	9	24	77	8	95	43	251	17	26	2	5	0.13	2.05	0.64	2.49	0.78	0.85	0.14	0.07
MAY - 25	P	0.7	158	16	113	59	<	<	3	<	<	1.3	10	24	43	<	92	33	156	23	80	1	4	0.11	2.23	0.99	2.31	0.55	0.49	0.28	0.01
MAY - 26	P	0.3	73	13	116	19	<	<	1	<	<	<	21	47	69	<	74	57	222	24	38	4	6	0.18	3.48	1.18	4.17	1.06	1.47	0.28	0.11
MAY - 27	P	0.3	109	15	144	747	<	<	1	<	<	1.1	16	37	53	<	91	48	254	18	30	2	5	0.11	2.21	0.55	3.61	0.90	0.66	0.18	0.03
MAY - 28	P	0.4	91	15	106	39	<	<	2	<	<	0.6	12	24	62	<	85	34	236	14	21	2	4	0.10	1.59	0.26	3.30	0.78	0.87	0.09	0.02
MAY - 29	P	1.4	343	3	266	<	<	<	2	<	26	0.9	6	7	3	24	75	5	1205	8	11	2	1	0.03	1.27	0.68	5.81	0.12	0.08	0.05	<
MAY - 30	P	1.2	245	7	144	1484	<	<	2	<	22	0.5	9	17	98	34	136	55	778	15	28	1	8	0.19	2.38	0.53	4.67	0.95	1.60	0.12	0.07
MAY - 40	P	0.6	128	11	93	2451	<	<	3	<	<	1.1	14	12	157	86	103	40	487	20	49	1	4	0.11	1.86	0.59	2.77	0.70	0.73	0.13	0.05
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

CERTIFICATE OF ANALYSIS

iPL 97I0959

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: 7925

86 Samples
86=Pulp

[095914:46:19:79100297]

Out: Oct 02, 1997
In : Sep 25, 1997

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 %
MAY	- 41 P	0.2	18	13	156	164	<	<	2	<	<	2.0	6	9	448	82	106	31	291	34	51	1	2	0.10	1.16	0.44	1.49	0.53	0.27	0.10	0.07
MAY	- 42 P	0.1	12	19	256	520	<	<	2	<	<	3.4	10	14	564	13	108	60	455	38	73	1	5	0.14	1.79	0.84	2.30	0.92	0.42	0.15	0.09
MAY	- 43 P	0.1	20	13	82	372	<	<	2	<	<	0.8	9	11	508	8	116	52	343	39	73	1	3	0.15	1.71	0.65	2.15	0.77	0.49	0.14	0.08
MAY	- 44 P	0.3	36	18	38	5601	9	<	2	<	<	0.4	7	7	189	8	109	29	211	26	77	1	2	0.07	1.30	0.57	1.87	0.41	0.33	0.16	0.06
MAY	- 45 P	0.2	28	15	112	757	<	<	3	<	<	1.2	9	8	412	21	119	52	370	46	90	2	4	0.16	1.93	0.76	2.53	0.81	0.70	0.18	0.08
MAY	- 46 P	0.3	20	19	347	1.0%	12	<	3	<	<	9.8	6	9	50	53	92	26	294	22	40	5	3	0.04	0.92	0.35	2.18	0.49	0.10	0.07	0.08
MAY	- 47 P	0.1	19	12	49	1.9%	24	<	3	<	<	1.4	11	11	<	78	57	22	188	18	37	2	2	0.03	0.72	0.40	2.29	0.36	0.08	0.10	0.08
MAY	- 48 P	2.2	425	202	53	12%	79	<	17	<	133	<	85	9	<	0.2%	65	25	89	10	123	4	3	0.01	0.74	0.15	9.44	0.18	0.14	0.02	0.05
MAY	- 49 P	0.1	27	14	157	2688	<	<	3	<	<	1.7	9	8	274	53	111	45	404	38	111	1	3	0.11	1.88	0.84	2.28	0.67	0.53	0.21	0.07
MAY	- 50 P	3.6	231	10	45	2.8%	6	<	3	<	92	0.4	38	6	9	321	104	20	139	15	28	7	3	0.03	0.71	0.16	3.22	0.25	0.14	0.03	0.04
MAY	- 51 P	0.8	120	12	112	733	<	<	25	<	<	2.2	8	8	348	63	90	52	370	32	89	2	4	0.14	1.86	0.54	2.37	0.75	0.64	0.13	0.08
MAY	- 52 P	0.3	37	12	54	150	<	<	2	<	<	0.1	9	17	89	6	96	43	167	17	20	3	5	0.11	1.89	0.34	3.30	0.81	0.80	0.12	0.02
MAY	- 53 P	1.0	615	2	3903	396	<	<	6	<	19	67.3	4	20	259	172	38	7	2270	10	52	1	1	0.04	0.62	1.72	3.39	0.19	0.10	0.02	0.02
MAY	- 54 P	0.1m	2153	<	1393	5019	<	<	3	<	<	59.5	9	3	12	9	15	5	917	6	47	3	<	0.03	0.59	0.90	7.39	0.10	0.15	0.08	0.02
MAY	- 55 P	0.2m	2.5%	<	2030	943	<	<	1	<	189	25.7	10	6	19	69	11	2	1008	2	12	2	1	0.02	0.47	0.85	8.52	0.06	0.08	0.04	0.10
NUT	- 01 P	0.8	226	16	61	73	<	<	2	<	13	0.8	5	11	86	5	75	28	176	14	96	6	1	0.08	1.64	2.11	0.79	0.63	0.11	0.16	0.11
NUT	- 02 P	0.4	70	19	29	74	<	<	2	<	<	0.5	8	30	312	<	47	9	426	7	227	1	1	0.06	1.18	13%	0.74	0.32	0.06	0.22	0.09
NUT	- 03 P	0.4	83	16	41	46	<	<	4	<	<	0.4	6	26	133	<	115	137	131	10	119	7	2	0.09	3.15	1.98	1.23	1.61	1.09	0.38	0.18
NUT	- 04 P	0.3	56	13	138	6	<	<	3	<	<	<	17	35	659	<	58	207	456	23	38	3	14	0.14	5.75	0.85	8.46	3.34	1.18	0.13	0.18
NUT	- 05 P	0.4	212	15	82	23	<	<	1	<	<	<	13	15	47	<	84	74	332	9	86	2	7	0.18	3.50	1.16	4.00	1.55	1.48	0.19	0.08
NUT	- 06 P	0.3	107	17	82	24	<	<	1	<	<	0.4	10	19	46	<	99	88	341	12	119	2	8	0.18	4.21	1.57	3.62	1.58	1.60	0.33	0.10
NUT	- 07 P	0.9	1000	10	67	1.2%	<	<	6	<	<	<	33	16	<	<	104	26	233	4	9	1	3	<	0.82	0.11	8.92	0.71	0.04	0.02	0.03
NUT	- 08 P	0.2	101	19	56	142	<	<	5	<	<	0.8	7	31	111	<	95	105	155	6	91	8	1	0.05	1.67	3.84	1.37	0.81	0.28	0.28	0.11
NUT	- 09 P	0.5	179	18	91	47	<	<	2	<	<	<	21	34	15	<	80	59	375	10	30	2	5	0.15	3.02	0.60	5.45	1.90	1.66	0.12	0.08
NUT	- 10 P	0.1	40	6	33	42	<	<	2	<	<	0.3	7	14	167	<	77	20	278	10	102	3	1	0.12	1.84	2.07	1.14	1.15	0.50	0.25	0.15
NUT	- 11 P	0.6	104	20	39	7	<	<	3	<	<	<	16	35	22	<	76	77	235	12	55	6	4	0.07	2.06	1.63	4.83	1.77	1.08	0.12	0.49
NUT	- 12 P	0.2m	1730	14088	122	2066	<	<	2	<	373	5.6	38	10	5	87	36	5	859	4	15	6	<	<	0.10	1.39	17%	0.20	0.03	0.01	0.08
NUT	- 13 P	0.4	41	126	218	275	<	<	7	<	<	1.5	6	8	151	47	102	20	390	52	42	7	4	0.06	0.79	1.47	1.46	0.32	0.56	0.04	0.07
NUT	- 14 P	1.0	45	181	91	22	<	<	18	<	<	0.9	8	5	164	12	89	35	313	48	41	8	5	0.09	1.14	1.02	2.17	0.61	0.53	0.07	0.07
NUT	- 20 P	0.1	19	16	28	9	<	<	1	<	<	0.1	6	27	86	<	169	9	267	5	5	1	1	<	0.52	0.05	1.25	0.36	0.06	0.02	0.02
NUT	- 30 P	28.5	45	1880	480	270	55	<	9	<	255	4.8	2	3	57	<	116	3	296	14	5	4	1	<	0.32	0.12	1.76	0.07	0.24	0.02	0.04
NUT	- 31 P	18.3	95	3155	236	4297	7	<	2	<	30	4.6	2	4	32	9	68	<	66	8	3	8	<	<	0.25	0.12	2.39	0.03	0.26	0.02	0.06
NUT	- 32 P	17.9	184	1692	3151	821	7	<	9	<	45	33.5	1	4	35	227	139	<	353	4	15	2	<	<	0.14	0.34	1.52	0.02	0.13	0.02	0.02
NUT	- 33 P	4.4	35	267	349	62	25	<	10	<	235	3.7	7	6	177	22	102	25	427	43	20	7	5	0.09	1.27	0.29	2.26	0.51	0.44	0.06	0.06
NUT	- 34 P	0.3	44	88	230	93	<	<	3	<	<	1.4	5	4	121	62	93	20	293	28	13	6	4	0.05	0.92	0.19	2.39	0.34	0.35	0.05	0.06
NUT	- 35 P	14.9	75	3058	244	1.3%	17	<	5	<	60	2.6	3	4	96	30	70	3	92	15	5	4	1	<	0.28	0.07	2.65	0.03	0.28	0.02	0.05
NUT	- 36 P	0.3	29	60	43	129	<	<	5	<	41	0.7	7	6	193	89	94	27	383	43	35	6	5	0.10	1.10	0.57	2.16	0.44	0.54	0.09	0.06
NUT	- 37 P	18.0	85	3574	115	9.6%	335	<	1	<	2220	2.4	17	4	<	5	80	<	44	5	3	3	<	<	0.20	0.03	7.35	0.03	0.19	0.02	0.03
NUT	- 38 P	2.7	41	134	146	244	14	<	6	<	68	1.7	6	7	165	28	80	20	562	45	24	6	4	0.07	0.83	0.66	1.87	0.32	0.57	0.04	0.07
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