094056

Assessment Report
On

Hit 1-30 Quartz Claims
NTS 105-P-5

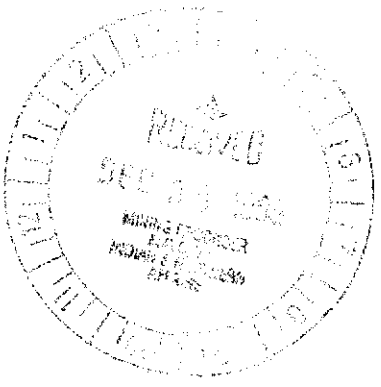
For
Eagle Plains Resources

By
Bernie Kreft

November 24, 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 $ 15,000 .

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



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History And Previous Exploration

The majority of previous work in this area was directed towards assessing a copper-tungsten skarn located just inside the NWT border. This showing was initially worked by a subsidiary of Cyprus Mining Corp. during 1970-71. It was re-staked in 1982 by a joint venture between Amax Mining and Canada Tungsten, who continued exploration until the end of 1984. The Amax/Cantung work resulted in the staking of six claims in the Yukon, over what is now the Hit claims main zone area. Documentation of the historical work is not in the public domain.

The area was re-assessed by the writer for its gold potential during the summer of 1998. This work consisted of three, one day visits and a 6-day program, which were used to follow up on a RGS Au stream sediment anomaly. The 1998 program defined 3 areas worthy of follow-up (in order of importance): Gully Zone, Discovery Zone and Ridge Zone.

Follow-up 1st phase work in 1999 was conducted from July 3rd to the 9th and on August 5th, and was concentrated on the high-grade Gully Zone, with some prospecting completed in the Discovery and Ridge zone areas, as well as some follow-up on the newly discovered McDame Zone. A small amount of claim staking was also completed on the 5th of August.

At the conclusion of the 1st phase, a decision was made to drill test the Gully Zone. This work was completed during the period August 22nd to the 27th and consisted of two holes from one set-up. Results were disappointing, with a maximum of 2566 ppb Au over 0.9 metres.

Location And Access

The property is located in the central Yukon Territory, 27 kilometres N.N.E. of MacMillan Pass, just west of the Yukon/NWT border. The Mactung tungsten skarn deposit is situated approximately 23 kilometres to the south. Access was by helicopter from Ross River, a distance of 210 kilometres. Helicopter charter services are also occasionally available during the summer months at MacPass. Topography varies from moderate to extreme, with several areas impassable due to cliffs and frequent rock and/or snow avalanches.

Regional Geology

The Hit 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. The granitic intrusion located at the Hit property likely belongs to the Tombstone Suite; age dating is currently in progress and should provide a definitive answer.

Property Geology

Strata underlying the claims consists of Cambrian aged black shale, argillaceous limestone, siltstone, calcareous siltstone, green silty slate and rare quartzite, belonging to the Road River Formation.

These sediments generally strike NW/SE and dip steeply to the southwest. The intrusion of the Hit pluton extensively hornfelsed the country rock, resulting in the development of widespread skarn and calc-silicate minerals/effects as well as numerous gossans.

Faulting is common in the area of the Hit Claims. The main structural features are NW trending normal faults and joint sets, the development of which likely occurred during the emplacement of the Hit Pluton. Post-dating the NW trending set are several NE trending cross-faults. These faults commonly exhibit weak epithermal characteristics, and often contain anomalous gold values. A third set of faults consists of small-scale, flat lying structures. This type is best recognized in the area of the main showing and has caused several slight displacements of the auriferous beds.

The Hit pluton contains several phases, which vary from a fine-grained granodiorite border to a coarse porphyritic core. Weak porphyry style molybdenum mineralization has been noted within the core. Alteration is limited to bleaching, and the development of trace sericite along vein margins and adjacent to fractures. Contacts with the surrounding sediments are steep where exposed.

Mineralization

Sampling in 1998 at the Gully Zone returned a weighted average of 7.85 g/t Au over 7.0 metres. Mineralization consists of extremely fine disseminated arsenopyrite within calcareous (albitized?) siltstone. Stream sediment (silt) samples taken 80 metres downstream from the showing returned reproducible values of up to 606 ppb Au. A value of 10834 ppb Au in silt was returned from a stream located 150 metres along strike to the south-east of the showing, while a value of 1015 ppb Au in silt was returned from a stream located approximately 1600 metres along strike to the north-west of the showing.

The 1999 1st phase program consisted of prospecting in conjunction with rock, silt and soil sampling. This work was designed to cover the favourable calcareous siltstone horizon along the northeast edge of the pluton, where the sediments dip towards the contact. Time was also spent at the Gully Zone to try and further define the existing mineralization. Rock sampling there showed that mineralization pinches out rapidly up-dip, and does not reach the surface. Soils taken along the top edge of the gully (approximately 20 metres up-dip) were not anomalous, and confirm that the mineralization pinches out up-dip. Work along strike of the showing in both directions was mostly un-successful. One new occurrence, geologically mirroring the Gully Zone was discovered at the head of 10834 ppb Au creek. Grab samples there returned up to 5750 ppb Au, while a 0.9 metre chip returned 3919 ppb Au. An abundance of mineralized talus, coupled with the fact that the occurrence is situated within 15 metres of the pluton suggests that much of the occurrence is eroded and there is little size potential. No other similar occurrences were noted, and the remainder of the

silt and soil samples were not anomalous in the main pathfinder elements (As/Au). Several soils were highly anomalous in calcium; it is thought that these samples represent the unmineralized surface expression of the important calcareous horizon.

Work approximately 1.0 kilometre to the northwest of the Gully Zone encountered a cluster of 9 soil samples grading between 101 ppb Au and 1455 ppb Au (McDame Zone) along with highly anomalous arsenic and antimony. The only anomalous rock sample (2506 ppb Au) from this area was a grab of fine-grained sericite altered granite float cut by a narrow calcite-arsenopyrite vein. The anomalous soil samples are aligned parallel to a northeast trending gully which is likely a fault structure. Geology in this overburden and talus covered area was defined from soil sample oversize chips, which consisted of an approximate 50/50 split of fine-grained granite and black shale.

The Discovery Zone is an area of highly anomalous gold in talus fines (max. 1097 ppb Au) associated with skarn and intrusive hosted bedrock gold mineralization. Follow-up in this area showed that the highly anomalous talus fine samples are located directly downslope of small massive sulphide skarn pods. Work in the vicinity of the Ridge Zone (1.3 g/t Au over 6.0m) was inconclusive due to thick granite talus covering possible strike extensions to the showing.

Drill testing of the Gully Zone was undertaken during the period August 22nd to August 27th and consisted of a one set-up, two hole program designed to test the showing at depth, approximately 30 metres along strike to the northwest. Although the favorable calcareous horizon was intersected, results were disappointing, with a maximum value of 2566 ppb Au over a 0.9 metre interval of brecciated and pyrrhotite mineralized limestone (highly calcareous siltstone?) cut by carbonate veins.

Conclusions

The main economic potential on the property is found associated with mineralization of a probable replacement style within calcareous siltstone along the northeast edge of the Hit pluton. Sediments in this area strike parallel to, and dip steeply towards, the intrusive contact. Extensive prospecting and sampling showed that mineralization at the Gully Zone is strata related, and pinches out in an up-dip direction. The only new showing encountered that is similar in nature to the Gully Zone was found to be almost completely eroded. No other anomalous samples indicative of Gully Zone type mineralization were returned. Several soils overlying the siltstone unit were found to be highly anomalous in calcium, it is thought these samples represent the un-mineralized surface expression of the favourable calcareous horizon. Poor drilling results suggest that controls on mineralization are more than a simple replacement, and probably include a significant structural component. Talus and overburden cover is a hindrance to exploration at the McDame and Ridge Zones.

Recommendations

No further work is recommended for the Gully, or Discovery Zone areas. Trenching should be completed at the McDame Zone to try and define a bedrock source for the high gold in soil values encountered there. Pending good results at the McDame Zone, trenching should also be completed at the Ridge Zone.

Certification

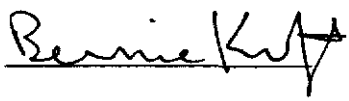
I, Bernie Kreft, was present and witnessed the exploration work described herein. I have twelve years experience prospecting in the Yukon.

This report is based on fieldwork conducted or witnessed by myself.

This report is based on work completed on and in the vicinity of the Hit 1-8 quartz claims.

This work was completed on July 3rd to the 9th, August 5th and August 22nd to the 27th.

Respectfully Submitted,



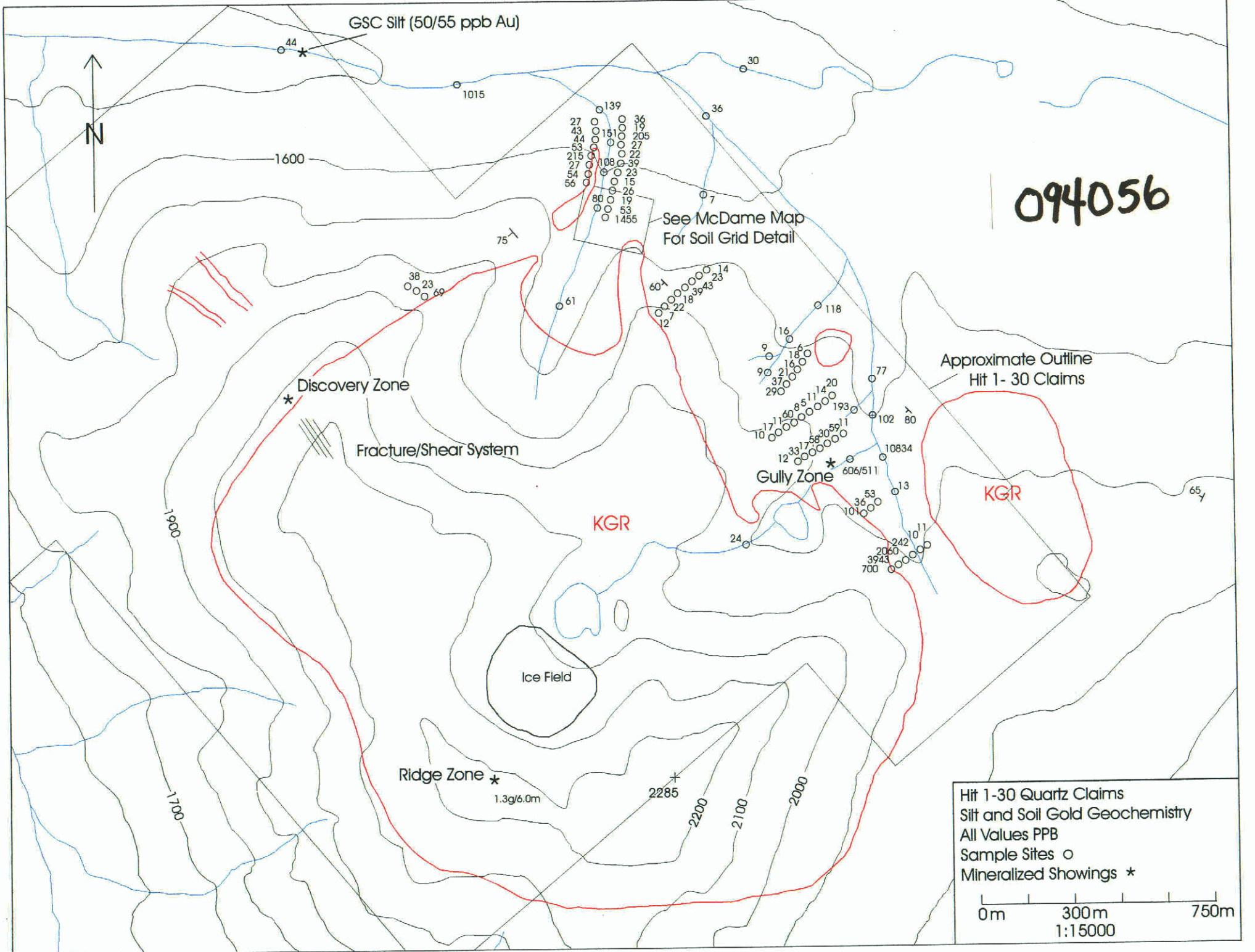
Bernie Kreft

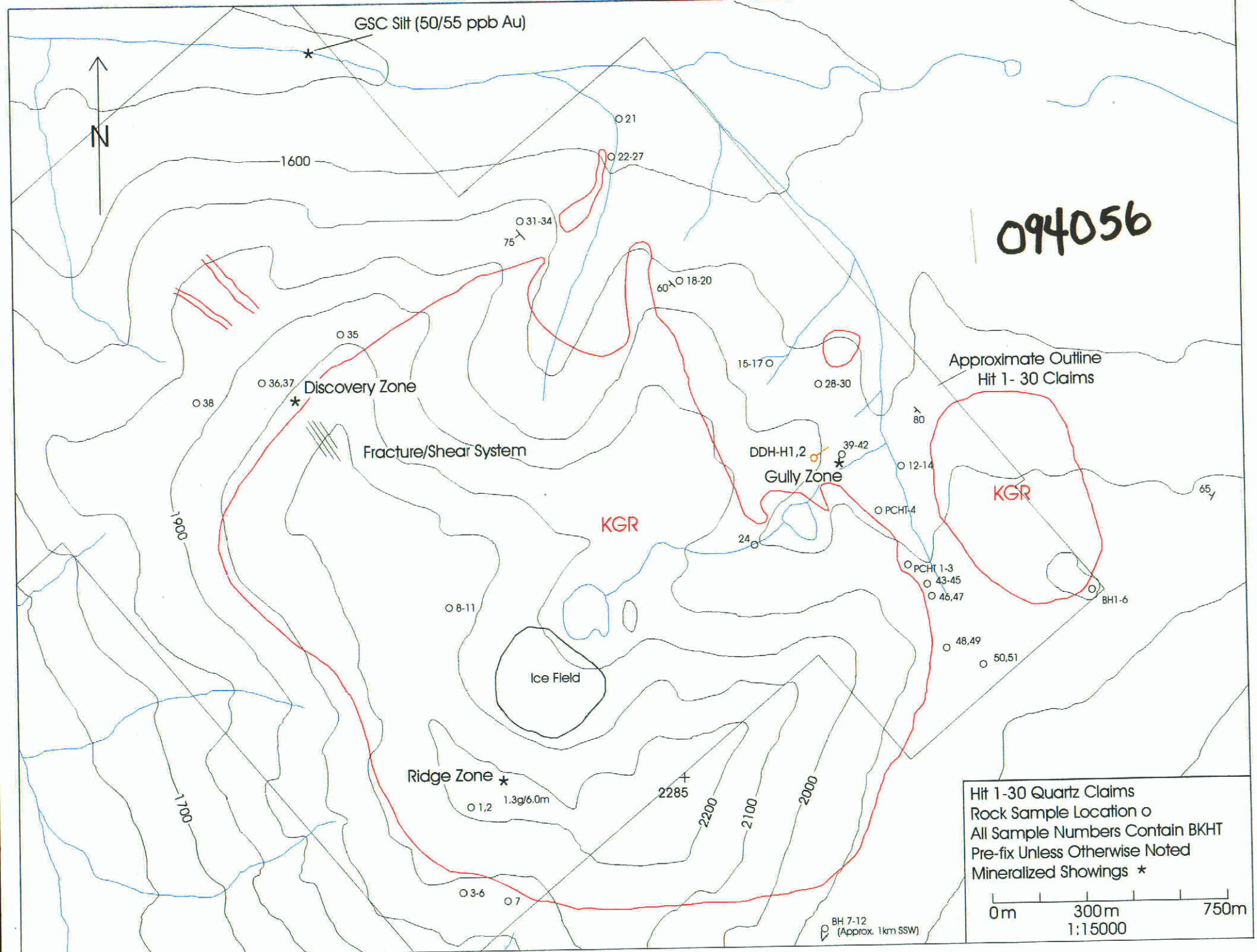
Rock Sample Descriptions

BKHT-1 > Grab limonitic, manganese stained fine grained granite min with trace diss po
BKHT-2 > grab as above
BKHT-3 > grab thin bedded calcareous siltstone min with trace diss po
BKHT-4 > grab as above
BKHT-5 > grab as above, with weak cross-cutting Po mineralized fractures
BKHT-6 > grab as per -3
BKHT-7 > grab garnet skarn developed within calcareous siltstone
BKHT-8 > grab granite cut by vuggy crystalline Q.V. granite is sericite altered adjacent to the vein
BKHT-9 > grab of sericitic and limonitic granite
BKHT-10 > grab of 1mm wide Qtz-As vein cutting 3cm wide sample of sericitic granite
BKHT-11 > grab fresh granite cut by As-Py mineralized fracture
BKHT-12 > 0.3m chip granite cut by several sericite altered and Po mineralized fractures
BKHT-13 > grab granite cut by limonitic and manganese stained and Pb-As min fracture
BKHT-14 > grab as above
BKHT-15 > grab border phase granite cut by several narrow Po veins
BKHT-16 > grab brecciated shale cemented with qtz and calcite @ 1% fine diss Po in cement
BKHT-17 > grab as above cut by a 1mm chalcedonic qtz vein
BKHT-18 > grab banded siltstone min with trace diss Po
BKHT-19 > grab as above
BKHT-20 > grab as above
BKHT-21 > limonitic qtz vein cutting black shale
BKHT-22 > as above, shale is silicified
BKHT-23 > 12 cm chip across fine grained sericitic granitic dyke? cut by 3 fractures min with traces of a bright green weathering sulphide
BKHT-24 > grab as above with trace arsenopyrite
BKHT-25 > 1.0m chip across qtz calcite veined dyke (4 x 0.5cm veins) sericitic adjacent to veins traces of green weathering sulphide diss in veins
BKHT-26 > 5.0m chip of dyke at above, vein material purposely left out of sample
BKHT-27 > grab limonitic black shale
BKHT-28 > grab brecciated calcareous siltstone cemented with calcite
BKHT-29 > grab banded calcareous siltstone mineralized with trace diss po
BKHT-30 > grab as above with 1% po
BKHT-31 > grab banded siltstone with around 0.5% diss po
BKHT-32 > grab as above
BKHT-33 > grab limonitic black shale with 0.5% diss po
BKHT-34 > thin bedded shale and siltstone with 0.5% diss po
BKHT-35 > rep grab small po/cu skarn pod with 20% sulphides
BKHT-36 > 2.0m chip hflsd siltstone min with about 2.5% po along fractures
BKHT-37 > rep grab as per BKHT-35
BKHT-38 > rep grab clay and sericite altered qtz ppy dyke
BKHT-39 > 0.3m chip across heavily calcite veined calcareous siltstone at the Gully Zone trace scorodite

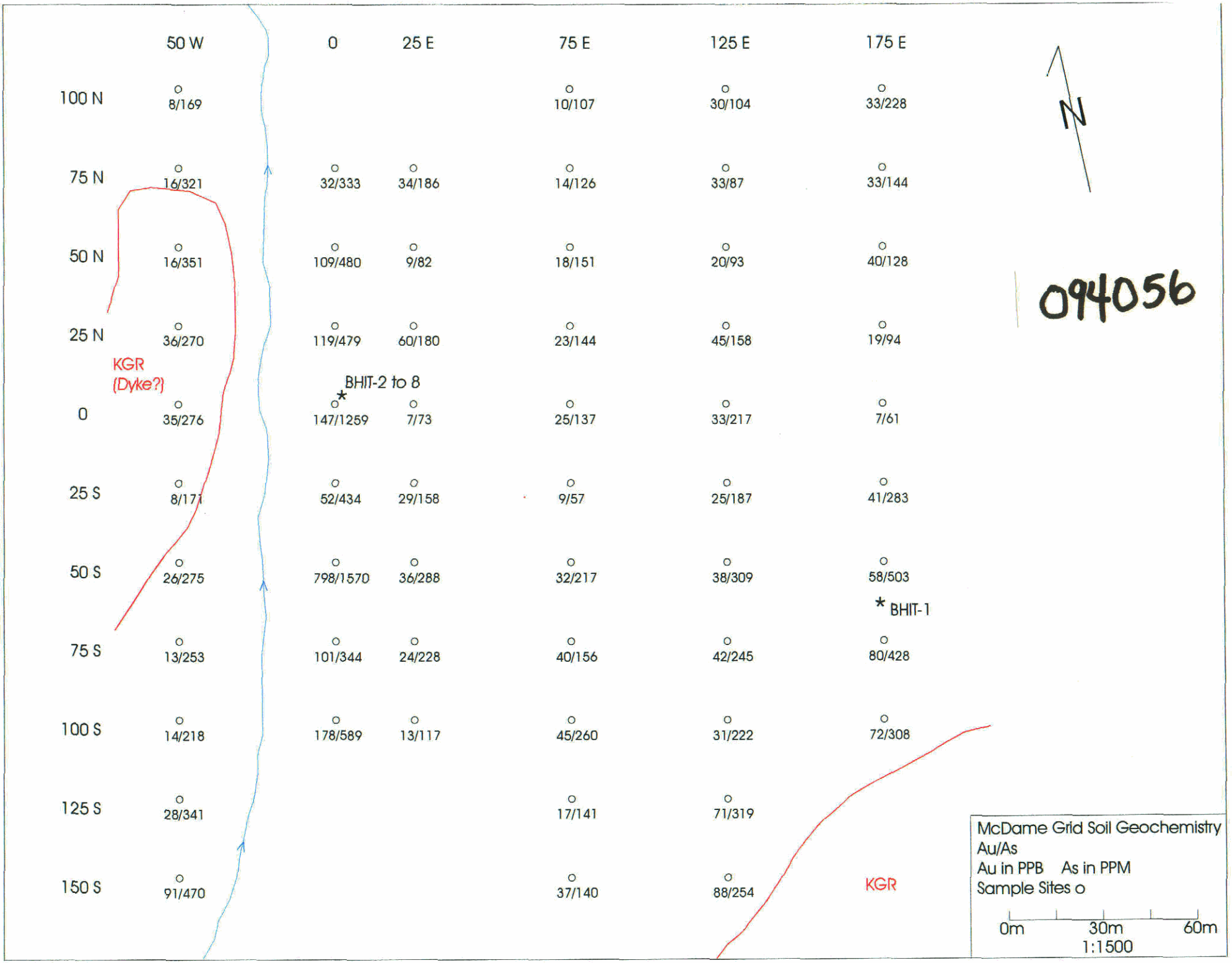
BKHT-40 > 0.25m chip across calcareous siltstone with trace calcite veining at the Gully Zone trace scorodite
BKHT-41 > 1.0m chip across the highest exposure (up-dip) of scorodite stained calcareous siltstone at the Gully Zone
BKHT-42 > 1.3m chip across calcareous siltstone unit 1.5m directly up-dip from BKHT-41
BKHT-43 > 1.3m chip across calcareous siltstone with possible weak scorodite stain
BKHT-44 > grab scorodite stained calcareous siltstone
BKHT-45 > 0.9m chip as above, with minor calcite veining
BKHT-46 > grab moderately calcite veined scoroditic calcareous siltstone
BKHT-47 > 1.0m chip calcareous siltstone approx 30m on strike of 43-45
BKHT-48 > grab thin-bedded calcareous siltstone with 0.5% diss po
BKHT-49 > grab as above
BKHT-50 > grab as above
BKHT-51 > grab as above
PCHT-1 > grab thin bedded calcareous siltstone with trace scorodite
PCHT-2 > grab as above
PCHT-3 > grab as above with abundant scorodite
PCHT-4 > grab as above with trace scorodite
BHIT-1 > Pyroxene skarn with 5% diss po
BHIT-2 > grab black shale cut by minor vuggy qtz vein
BHIT-3 > grab brx shale cemented by qtz and calcite
BHIT-4 > grab limonitic fine-grained intrusive with trace diss po
BHIT-5 > grab grey coloured fine-grained granitic dyke min with trace diss po
BHIT-6 > black shale cut by a fine stockwork of micro qtz veinlets trace diss py/po in the veins
BHIT-7 > grab as above fewer veins but they are larger
BHIT-8 > silicified black shale with diss and vein type py to 7.5% some of diss py occurs in select beds
BH-1 to 12 > grabs of calcareous siltstone

PHS series of samples are soils
BKHS series of samples are silts
Grid coordinates are soils from the McDame Zone


094056
GSC Silt (50/55 ppb Au)
N
1600
1900
1700
2200
2100
2000
2285
See McDame Map
For Soil Grid Detail
Discovery Zone
Fracture/Shear System
Gully Zone
Ridge Zone
1.3g/6.0m
Ice Field
KGR
KGR
Approximate Outline
Hit 1- 30 Claims
Hit 1-30 Quartz Claims
Silt and Soil Gold Geochemistry
All Values PPB
Sample Sites o
Mineralized Showings *
0m
300m
750m
1:15000


GSC Silt (50/55 ppb Au)
N
1600
1700
1900
2000
2100
2200
2285
O 21
O 22-27
O 31-34
75
60
O 18-20
O 35
O 36,37
Discovery Zone
O 38
Fracture/Shear System
15-17 O
O 28-30
Approximate Outline
Hit 1- 30 Claims
80
DDH-H1,2
39-42
Gully Zone
O 12-14
KGR
KGR
65
O PCHT-4
24
O PCHT 1-3
O 43-45
O 46,47
BH1-6
O 48,49
O 50,51
O 8-11
Ice Field
Ridge Zone
1.3g/6.0m
O 1,2
O 3-6
O 7
BH 7-12
(Approx. 1km SSW)
Hit 1-30 Quartz Claims
Rock Sample Location o
All Sample Numbers Contain BKHT
Pre-fix Unless Otherwise Noted
Mineralized Showings *
0m
300m
750m
1:15000

094056


50 W
0
25 E
75 E
125 E
175 E
100 N
75 N
50 N
25 N
0
25 S
50 S
75 S
100 S
125 S
150 S
8/169
10/107
30/104
33/228
16/321
32/333
34/186
14/126
33/87
33/144
16/351
109/480
9/82
18/151
20/93
40/128
36/270
119/479
60/180
23/144
45/158
19/94
KGR
(Dyke?)
BHIT-2 to 8
35/276
147/1259
7/73
25/137
33/217
7/61
8/171
52/434
29/158
9/57
25/187
41/283
26/275
798/1570
36/288
32/217
38/309
58/503
BHIT-1
13/253
101/344
24/228
40/156
42/245
80/428
14/218
178/589
13/117
45/260
31/222
72/308
28/341
17/141
71/319
91/470
37/140
88/254
KGR
N
094056
McDame Grid Soil Geochemistry
Au/As
Au in PPB As in PPM
Sample Sites o
0m
30m
60m
1:1500

Costs

Hit 1st Phase

Truck Costs (1290 km x 0.42/km)	=	$579.73
Food and Camp Supplies 19.5 man days x $35/day	=	$730.28
Wages P.Christensen 9.5 days x $150/day	=	$1524.75
Wages B.Kreft 10 days x $375/day	=	$4012.50
Helicopter Charter	=	$9722.49
Receiver General (claim applications)	=	$425.00
Claim Posts	=	$152.00
Assay Costs	=	$5559.92
Dorey Enterprises (posts and Jet-B hauling)	=	$470.80
T.Termuende (1 day x $425/day)	=	$425.00
Wages B.Kreft (report prep)	=	$802.50
Welcome Inn (lodging one night)	=	$101.65
TOTAL (GST Inc.)	=	$24506.62

Hit Drill Phase

Wages B.Kreft 6 days x $375/day	=	$2407.50
Wages P.Christensen 6 days x $150/day	=	$963.00
Wages B.Kreft report prep	=	$802.50
Truck Rental 1176km x $0.42/km	=	$528.49
Dorey Developments (Jet B, Diesel, Expediting)	=	$3558.32
NJ Sisson (drill pad lumber)	=	$567.62
Yukon Tire Centre (propane)	=	$27.82
Career Industries (core boxes 2nd order)	=	$182.78
Eileen's Place (lunches)	=	$11.77
Various Supplies (nails, extra food etc)	=	$310.01
NAL (91 x 30g Au fire assay)	=	$1460.55
Honda Generator (0.5 month x $400/month)	=	$200.00
Hand Held Radios(0.5 month x $150/month x 2)	=	$150.00
Camp Materials (0.5 month x $500/month)	=	$250.00
5-ton trailer (0.5 month x $1000/month)	=	$500.00
Falcon Diamond Drilling	=	$19230.34
Chuck Downie (includes RV rental and expenses)	=	$5597.10
Graham Davidson	=	$3412.52
Fireweed Helicopters	=	$17173.50
Materials	=	$201.11
Groceries	=	$965.45
Miscellaneous	=	$165.04
Career Industries (core boxes 1st order)	=	$502.37
TOTAL	=	$59167.79
GRAND TOTAL	=	$83674.41

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

20/07/99 Certificate of Analysis

Bernie Kreft

WO# 05681

Certified by

	Sample #	Au ppb
r	BKHT-1	10
r	BKHT-2	5
r	BKHT-3	6
r	BKHT-4	6
r	BKHT-5	7
r	BKHT-6	10
r	BKHT-7	5
r	BKHT-8	6
r	BKHT-9	10
r	BKHT-10	9
r	BKHT-11	27
r	BKHT-12	8
r	BKHT-13	162
r	BKHT-14	<5
r	BKHT-15	8
r	BKHT-16	11
r	BKHT-17	7
r	BKHT-18	7
r	BKHT-19	11
r	BKHT-20	<5
r	BKHT-21	<5
r	BKHT-22	7
r	BKHT-23	<5
r	BKHT-24	2506
r	BKHT-25	149
r	BKHT-26	6
r	BKHT-27	<5
r	BKHT-28	<5
r	BKHT-29	14
r	BKHT-30	7

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

Bernie Kreft

WO# 05681

Certified by

	Sample #	Au ppb
r	BKHT-31	7
r	BKHT-32	7
r	BKHT-33	6
r	BKHT-34	11
r	BKHT-35	265
r	BKHT-36	52
r	BKHT-37	34
r	BKHT-38	39
r	BKHT-39	4084
r	BKHT-40	>7000
r	BKHT-41	6173
r	BKHT-42	37
r	BKHT-43	18
r	BKHT-44	5079
r	BKHT-45	3919
r	BKHT-46	5196
r	BKHT-47	31
r	BKHT-48	24
r	BKHT-49	8
r	BKHT-50	6
r	BKHT-51	7
r	PCHT-1	571
r	PCHT-2	5750
r	PCHT-3	5263
r	PCHT-4	292
ss	BKHS-1	33
ss	BKHS-2	32
ss	BKHS-3	23
ss	BKHS-4	23
ss	BKHS-5	9

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

Bernie Kreft

WO# 05681

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	Sample #	Au ppb
ss	BKHS-6	118
ss	BKHS-7	16
ss	BKHS-8	9
ss	BKHS-9	7
ss	BKHS-10	139
ss	BKHS-11	151
ss	BKHS-12	108
ss	BKHS-13	80
ss	BKHS-14	193
s	PHS-1	700
s	PHS-2	3943
s	PHS-3	2060
s	PHS-4	242
s	PHS-5	10
s	PHS-6	11
s	PHS-7	101
s	PHS-8	36
s	PHS-9	53
s	PHS-10	11
s	PHS-11	59
s	PHS-12	30
s	PHS-13	58
s	PHS-14	17
s	PHS-15	11
s	PHS-16	60
s	PHS-17	8
s	PHS-18	5
s	PHS-19	11
s	PHS-20	14
s	PHS-21	20

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

Bernie Kreft

WO# 05681

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	Sample #	Au ppb
s	PHS-22	6
s	PHS-23	18
s	PHS-24	16
s	PHS-25	21
s	PHS-26	37
s	PHS-27	29
s	PHS-28	12
s	PHS-29	7
s	PHS-30	22
s40	PHS-31	18
s40	PHS-32	39
s40	PHS-33	43
s	PHS-34	23
s	PHS-35	14
s	PHS-36	36
s	PHS-37	19
s	PHS-38	205
s	PHS-39	27
s	PHS-40	22
s	PHS-41	39
s	PHS-42	23
s	PHS-43	15
s40	PHS-44	26
s	PHS-45	19
s40	PHS-46	53
s	PHS-47	1455
s	PHS-48	56
s	PHS-49	54
s	PHS-50	27
s	PHS-51	215

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

Bernie Kreft

WO# 05681

Certified by

	Sample #	Au ppb
s	PHS-52	53
s	PHS-53	44
s	PHS-54	43
s	PHS-55	27
s	PHS-56	17
s	PHS-57	10
s	PHS-58	69
s	PHS-59	23
s	PHS-60	38
s	PHS-61	33
s	PHS-62	12
s	PCSS-1A	27

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

23/07/99 Certificate of Analysis

Bernie Kreft

WO# 05681a

Certified by

	Sample #	Au grav oz/ton
p	BKHT-40	0.320

CERTIFICATE OF ANALYSIS
iPL 99G0610

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#05681

132 Samples
132=Pulp

[061014:10:27:99072199]

Out: Jul 21, 1999
In : Jul 19, 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 %
BKHS- 1		P 0.1	24	57	66	101	<	<	2	<	<	5.7	10	19	196	9	38	47	350	29	125	1	4	0.04	1.98	1.49	1.80	0.71	0.17	0.02	0.12
BKHS- 2		P <	22	51	64	100	<	<	3	<	<	5.3	10	16	196	<	39	50	336	32	120	1	4	0.05	1.98	1.45	1.89	0.75	0.20	0.02	0.12
BKHS- 3		P <	19	53	63	80	<	<	2	<	<	4.4	9	16	182	<	36	44	340	35	112	1	3	0.05	1.76	1.38	1.67	0.66	0.18	0.02	0.11
BKHS- 4		P <	20	61	59	87	<	<	1	<	<	4.3	8	15	176	6	35	42	309	38	118	1	4	0.04	1.97	1.62	1.63	0.65	0.16	0.02	0.14
BKHS- 5		P 0.1	98	54	150	103	<	<	3	<	<	4.5	18	48	171	6	56	87	380	41	191	1	4	0.17	2.87	1.45	2.70	1.03	0.46	0.04	0.12
BKHS- 6		P 0.3	111	61	208	197	17	<	3	<	3	5.7	20	90	201	12	55	134	436	32	205	2	4	0.10	2.40	4.17	2.98	0.90	0.28	0.04	0.25
BKHS- 7		P 0.3	72	41	158	79	<	<	2	<	<	3.2	12	52	167	<	40	69	264	25	329	1	2	0.12	2.28	11%	2.01	0.83	0.31	0.04	0.18
BKHS- 8		P 0.7	43	15	110	51	<	<	3	<	<	3.2	7	30	152	<	25	41	154	16	433	1	1	0.07	1.47	19%	1.23	0.56	0.17	0.04	0.22
BKHS- 9		P 0.3	27	66	79	65	<	<	1	<	<	4.8	11	27	152	<	44	55	272	39	173	1	3	0.12	1.88	2.13	1.85	0.68	0.30	0.04	0.12
BKHS-10		P 0.9	171	241	381	687	82	<	3	<	<	7.0	22	100	172	7	54	97	974	36	111	2	6	0.05	2.18	1.47	3.68	0.93	0.22	0.03	0.24
BKHS-11		P 1.0	200	235	411	740	81	<	5	<	<	7.7	22	112	171	<	55	99	964	37	103	2	6	0.06	2.23	1.45	3.88	0.94	0.22	0.03	0.24
BKHS-12		P 0.7	180	247	352	636	83	<	3	<	<	6.5	22	92	181	<	55	106	947	37	110	2	6	0.06	2.40	1.27	3.69	0.96	0.23	0.03	0.16
BKHS-13		P 0.6	140	260	214	571	89	<	2	<	<	4.7	17	26	113	7	53	67	888	36	84	1	5	0.07	2.10	1.01	2.87	0.91	0.23	0.03	0.10
BKHS-14		P 0.4	71	40	128	181	20	<	2	<	<	4.3	14	40	154	<	34	90	286	28	187	2	3	0.08	2.81	2.33	2.52	0.90	0.18	0.09	0.17
BKHT- 1	0	P <	27	39	87	91	<	<	1	<	<	4.6	21	15	97	<	98	109	362	23	79	8	5	0.28	2.98	1.34	3.53	1.09	0.68	0.25	0.10
BKHT- 2	5	P <	75	40	68	75	<	<	3	<	<	5.0	28	31	121	<	141	117	298	29	92	6	5	0.32	2.60	1.18	3.37	1.18	1.04	0.27	0.12
BKHT- 3	6	P <	65	10	14	85	<	<	3	<	<	3.1	8	33	25	6	84	14	41	16	150	3	1	0.05	2.66	2.23	0.86	0.08	0.06	0.32	0.11
BKHT- 4	6	P 0.2	32	94	134	114	<	<	4	<	<	3.9	12	38	45	<	116	15	50	11	148	3	<	0.07	3.14	2.63	2.09	0.11	0.08	0.36	0.04
BKHT- 5	7	P <	24	24	18	131	<	<	2	<	<	2.4	5	20	41	<	74	9	46	13	167	2	<	0.04	3.09	2.72	0.57	0.07	0.05	0.22	0.09
BKHT- 6	10	P 0.1	85	24	18	97	<	<	6	<	<	3.2	11	45	17	<	83	6	22	9	134	2	<	0.04	3.25	2.39	2.18	0.05	0.04	0.39	0.05
BKHT- 7	5	P <	37	19	25	29	<	<	2	<	<	2.9	6	9	16	<	38	12	508	12	58	4	<	0.02	0.90	6.71	2.04	0.10	0.03	0.06	0.07
BKHT- 8	6	P 0.8	56	314	444	29	14	<	2	<	<	10.5	9	13	49	5	84	7	2411	24	31	7	4	<	0.34	4.30	1.66	0.47	0.18	0.02	0.07
BKHT- 9	10	P 3.5	136	635	82	71	403	<	5	<	<	3.0	4	8	98	<	101	42	117	44	20	9	7	0.04	1.07	0.32	2.32	0.44	0.35	0.02	0.11
BKHT-10	9	P <	34	48	121	52	<	<	4	<	<	4.3	16	20	276	8	132	82	419	43	42	9	3	0.23	1.79	1.05	2.52	1.07	0.68	0.12	0.09
BKHT-11	27	P 4.1	544	3150	1009	191	0.1%	<	55	<	14	10.2	10	17	96	<	136	38	746	33	21	6	4	0.06	0.92	0.88	2.66	0.54	0.32	0.04	0.07
BKHT-12	8	P 0.1	23	71	53	54	22	<	3	<	<	3.0	7	18	206	<	105	40	148	22	55	4	2	0.14	1.35	1.21	1.12	0.37	0.29	0.11	0.11
BKHT-13	162	P 0.9	131	131	60	36	12	<	1	<	19	2.9	14	41	99	7	80	18	80	76	96	3	1	0.09	0.98	1.39	2.29	0.15	0.06	0.13	0.09
BKHT-14	45	P <	27	31	38	38	<	<	1	<	<	4.3	10	37	221	<	103	61	282	27	52	5	2	0.14	1.45	2.63	1.73	0.74	0.40	0.13	0.09
BKHT-15	6	P 0.2	49	43	39	33	<	<	2	<	<	2.8	21	17	72	10	65	46	108	24	61	6	1	0.14	1.31	1.12	2.58	0.48	0.34	0.16	0.10
BKHT-16	11	P 0.3	30	21	41	24	<	<	5	<	<	3.8	7	15	46	<	81	19	96	17	180	4	1	0.03	0.63	9.23	0.79	0.11	0.02	0.07	0.89
BKHT-17	7	P 0.2	22	24	35	16	<	<	5	<	<	1.1	5	14	48	10	76	18	119	17	198	3	1	0.02	0.35	12%	0.63	0.13	0.03	0.08	0.84
BKHT-18	7	P 0.2	71	10	530	96	<	<	4	<	<	23.3	5	17	44	<	100	23	52	20	324	5	<	0.08	2.90	4.18	0.55	0.16	0.13	0.17	0.13
BKHT-19	11	P 0.3	95	9	44	140	<	<	4	<	<	4.7	13	45	186	<	53	42	73	13	318	4	1	0.09	5.27	5.33	2.20	1.65	0.97	0.09	0.07
BKHT-20	45	P 0.3	49	10	30	50	<	<	5	<	<	2.3	5	27	99	<	92	23	52	14	104	4	<	0.05	1.48	2.41	0.71	0.22	0.08	0.10	0.38
BKHT-21	45	P 0.7	14	8	67	40	<	<	6	<	<	2.3	2	18	79	6	189	91	44	4	9	14	1	<	0.21	0.18	1.03	0.05	0.08	0.01	0.05
BKHT-22	7	P 1.0	19	110	29	70	25	<	6	<	<	2.3	1	14	126	<	184	281	21	18	32	6	3	<	0.30	1.21	0.75	0.02	0.12	0.02	0.57
BKHT-23	45	P <	19	23	70	73	<	<	3	<	<	4.0	15	24	104	<	77	49	479	31	155	12	12	0.01	1.31	4.63	3.29	0.86	0.21	0.04	0.11
BKHT-24	2506	P 0.2	7	22	55	3170	11	<	3	<	<	2.5	6	9	55	<	55	15	2063	9	442	7	4	<	0.23	17%	2.37	1.38	0.10	0.01	0.05
BKHT-25	198	P 0.1	21	18	77	959	7	<	2	<	<	4.1	18	33	149	<	103	91	485	27	107	18	9	0.16	2.21	2.40	3.48	1.40	0.63	0.11	0.10
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 99G0610

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#05681

132 Samples
132=Pulp

[061014:10:27:99072199]

Out: Jul 21, 1999
In : Jul 19, 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 %
BKHT-26	P	<	22	19	77	107	<	<	2	<	<	4.2	19	34	358	<	111	109	422	28	84	15	7	0.23	2.59	1.55	3.26	1.53	0.70	0.14	0.10
BKHT-27	P	1.3	19	8	31	26	<	<	3	<	<	2.1	2	11	130	<	171	116	49	3	21	5	1	0.01	0.16	0.43	0.70	0.06	0.05	0.01	0.21
BKHT-28	P	0.2	6	<	31	166	<	<	1	<	<	1.2	2	5	20	9	17	27	85	4	134	1	1	0.01	6.07	16%	0.38	0.70	0.21	0.06	0.02
BKHT-29	P	0.7	44	18	45	61	<	<	6	<	<	4.9	6	26	26	<	50	13	65	43	296	2	<	0.01	2.06	13%	1.64	0.28	0.04	0.15	1.78
BKHT-30	P	0.4	35	44	28	112	<	<	4	<	<	3.5	4	16	15	<	36	12	38	34	385	2	<	0.02	3.82	8.85	0.77	0.21	0.05	0.30	1.70
BKHT-31	P	0.3	45	18	57	104	<	<	6	<	<	5.0	11	36	73	<	93	47	47	15	147	9	1	0.06	3.18	2.56	1.28	0.40	0.23	0.27	0.09
BKHT-32	P	0.3	42	40	90	73	<	<	2	<	<	5.0	8	24	51	<	95	33	53	9	113	5	1	0.06	2.60	2.14	1.34	0.38	0.17	0.25	0.10
BKHT-33	P	0.3	37	19	37	111	<	<	7	<	<	3.3	12	42	60	<	92	25	48	6	133	9	1	0.06	2.95	1.90	2.06	0.38	0.22	0.26	0.03
BKHT-34	P	0.3	60	30	76	84	<	<	2	<	<	4.9	7	24	42	7	89	20	38	11	108	4	<	0.04	2.79	2.09	1.60	0.20	0.09	0.27	0.08
BKHT-35	P	3.5	1273	13	69	<	<	<	1	<	2282	15.0	67	146	10	<	44	76	1108	<	41	5	<	0.02	1.43	7.42	11%	1.03	0.16	0.02	0.09
BKHT-36	P	0.1	72	22	48	144	<	<	2	<	16	4.0	8	27	62	<	90	44	235	31	99	4	1	0.10	2.21	2.15	1.56	0.29	0.11	0.09	0.15
BKHT-37	P	1.2	3593	28	136	66	<	<	<	<	<	13.4	34	53	15	<	26	20	90	13	38	5	<	0.01	0.87	1.48	14%	0.05	0.01	0.02	0.29
BKHT-38	P	1.0	153	110	207	506	221	<	2	<	43	6.4	10	89	5	5	89	116	69	41	8	4	9	<	0.72	0.49	5.26	0.04	0.01	0.01	0.15
BKHT-39	P	0.4	88	6	84	4767	112	<	4	<	7	4.0	3	16	280	5	44	80	407	15	239	3	2	0.01	1.01	9.53	1.23	2.30	0.08	0.12	0.08
BKHT-40	P	0.5	42	11	113	5820	219	<	2	<	7	3.3	4	13	23	<	108	38	562	14	122	5	3	<	0.59	8.76	1.15	0.62	0.09	0.03	0.13
BKHT-41	P	0.7	48	16	97	6515	102	<	5	<	<	3.5	5	23	24	<	50	86	485	19	183	8	5	<	0.44	18%	1.73	1.29	0.09	0.01	0.14
BKHT-42	P	0.5	35	8	16	157	<	<	4	<	<	<	2	10	74	<	25	9	68	15	388	5	<	0.03	1.62	17%	0.31	0.27	0.05	0.19	0.10
BKHT-43	P	0.3	49	21	47	111	<	<	3	<	<	3.6	5	19	47	<	37	18	48	15	223	5	<	0.04	1.93	8.56	0.92	0.35	0.13	0.09	0.14
BKHT-44	P	1.9	50	13	194	5847	73	<	7	<	<	2.9	8	44	36	<	52	189	701	26	240	6	8	<	0.94	17%	2.39	3.05	0.12	0.02	0.23
BKHT-45	P	1.7	46	13	123	5069	71	<	3	<	<	4.0	5	28	31	<	64	93	673	15	162	7	5	<	0.59	12%	1.82	2.06	0.12	0.02	0.16
BKHT-46	P	1.5	17	114	56	4119	146	<	9	<	<	2.8	5	16	7	7	49	29	1085	17	95	9	3	<	0.27	22%	1.46	0.82	0.06	0.01	0.09
BKHT-47	P	0.4	34	17	19	112	<	<	3	<	<	2.3	4	11	77	<	41	25	49	17	197	5	1	0.05	1.71	6.54	0.50	0.45	0.18	0.08	0.13
BKHT-48	P	0.5	49	20	43	97	<	<	11	<	<	2.9	12	38	77	6	25	18	487	14	313	3	<	0.05	2.36	16%	2.35	0.09	0.03	0.09	0.48
BKHT-49	P	0.3	23	20	28	47	<	<	1	<	<	1.4	4	13	231	<	18	10	97	15	307	5	<	0.04	1.32	13%	0.81	3.61	0.06	0.07	0.07
BKHT-50	P	0.4	17	17	116	53	<	<	4	<	<	2.9	4	17	75	<	27	25	140	10	260	7	3	0.02	1.52	30%	0.95	0.59	0.04	0.02	0.07
BKHT-51	P	0.4	32	16	65	41	<	<	3	<	<	1.7	4	12	24	<	29	17	108	12	377	11	2	0.04	1.12	29%	0.95	0.62	0.01	0.01	0.03
PCHT-1	P	0.6	23	15	78	2051	36	<	3	<	<	2.4	6	22	103	6	74	45	163	16	404	8	5	<	0.59	17%	1.51	0.72	0.10	0.01	0.06
PCHT-2	P	4.5	90	6	196	6274	116	<	4	<	<	3.2	5	26	14	<	48	47	785	15	160	9	5	<	0.31	22%	1.62	0.90	0.08	0.01	0.09
PCHT-3	P	1.3	23	12	67	6691	78	<	1	<	<	4.2	4	19	9	<	84	19	671	11	89	4	4	<	0.23	10%	1.25	0.83	0.07	0.01	0.10
PCHT-4	P	<	44	2	20	260	<	<	9	<	173	3.0	5	21	47	379	45	50	181	10	94	7	1	0.05	1.51	6.07	1.16	0.72	0.06	0.06	0.05
PCSS-1 A	P	0.3	87	106	135	154	<	<	2	<	<	4.5	20	34	159	19	51	79	358	28	22	3	4	0.17	2.42	0.40	3.39	0.67	0.27	0.03	0.11
PHS- 1	P	0.6	62	56	107	393	7	<	2	<	<	3.5	12	34	144	15	32	52	310	26	166	2	3	0.09	2.21	3.23	2.11	1.33	0.20	0.04	0.19
PHS- 2	P	1.3	94	36	126	2336	27	<	3	<	<	5.0	13	36	140	7	28	54	385	26	152	2	4	0.06	1.99	3.93	2.85	1.82	0.16	0.04	0.19
PHS- 3	P	0.9	86	36	137	1943	14	<	2	<	<	4.9	16	37	127	7	35	80	450	27	87	2	5	0.07	2.65	1.81	3.68	1.27	0.19	0.05	0.22
PHS- 4	P	0.5	91	30	158	520	8	<	3	<	<	5.7	16	43	243	<	37	104	323	23	77	2	5	0.07	2.88	1.66	3.47	0.88	0.15	0.05	0.27
PHS- 5	P	<	26	51	57	93	<	<	<	<	<	3.4	8	17	233	7	42	47	209	38	166	2	6	0.03	2.87	1.37	2.08	0.79	0.18	0.02	0.11
PHS- 6	P	0.4	57	114	120	123	<	<	1	<	<	4.3	12	32	232	<	54	57	360	33	158	2	5	0.03	2.88	1.69	2.68	0.87	0.15	0.03	0.12
PHS- 7	P	<	93	37	72	161	5	<	<	<	<	3.7	15	28	122	<	49	74	323	36	96	1	4	0.12	2.43	1.37	2.57	0.99	0.24	0.04	0.11
PHS- 8	P	<	74	50	76	106	<	<	1	<	<	3.5	15	24	147	9	47	73	344	41	98	1	3	0.14	2.50	1.41	2.46	0.91	0.23	0.05	0.12
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

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

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132 Samples
132=Pulp

[061014:10:27:99072199]

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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 %
PHS- 9	P	0.2	81	48	78	105	<	<	2	<	<	3.4	15	31	157	9	50	80	335	34	105	1	4	0.15	2.60	1.55	2.56	0.99	0.24	0.05	0.12
PHS-10	P	0.2	41	28	114	68	<	<	<	<	<	5.6	9	27	111	5	28	54	217	25	95	1	1	0.09	1.97	1.83	1.87	0.62	0.07	0.08	0.06
PHS-11	P	0.2	50	29	86	75	<	<	1	<	<	5.1	9	22	119	<	29	64	206	22	89	1	2	0.10	2.08	1.78	1.77	0.80	0.09	0.10	0.08
PHS-12	P	0.4	55	36	98	94	5	<	<	<	<	3.6	12	31	143	9	33	66	248	30	132	1	2	0.11	2.41	1.64	2.12	0.79	0.17	0.08	0.12
PHS-13	P	0.5	62	45	133	119	5	<	2	<	<	4.3	15	36	178	8	46	93	308	31	99	1	3	0.14	2.77	1.25	2.71	1.02	0.18	0.06	0.12
PHS-14	P	0.4	45	39	105	93	<	<	1	<	<	3.2	13	29	148	<	38	71	258	30	79	1	2	0.14	2.31	0.96	2.31	0.79	0.19	0.07	0.11
PHS-15	P	0.7	61	26	98	74	<	<	3	<	<	3.9	8	27	119	<	22	43	286	24	409	2	2	0.05	1.71	17%	1.86	0.64	0.10	0.06	0.13
PHS-16	P	1.2	67	95	108	72	<	<	<	<	124	4.9	5	19	85	<	16	40	438	18	111	1	1	0.02	1.70	3.19	1.43	0.38	0.03	0.05	0.18
PHS-17	P	0.4	33	26	75	61	<	<	2	<	<	4.7	5	18	98	7	16	37	256	18	356	1	1	0.02	1.59	7.60	1.20	0.44	0.04	0.06	0.09
PHS-18	P	0.4	27	12	44	43	<	<	4	<	<	1.8	3	15	40	<	9	12	95	20	553	1	<	0.01	1.49	21%	0.69	0.40	0.03	0.06	0.07
PHS-19	P	0.8	84	34	235	132	<	<	5	<	<	6.7	14	53	116	<	32	141	134	17	287	4	4	0.05	2.89	2.35	2.97	1.54	0.14	0.04	0.11
PHS-20	P	0.6	64	28	143	103	7	<	2	<	<	4.6	11	36	137	<	31	81	166	23	234	3	3	0.07	2.84	2.21	2.35	1.68	0.19	0.06	0.13
PHS-21	P	0.1	33	50	52	109	<	<	1	<	<	4.8	11	15	165	6	37	50	206	34	754	1	4	0.02	3.40	1.98	1.87	0.86	0.26	0.05	0.08
PHS-22	P	0.2	34	54	63	123	<	<	1	<	<	3.6	11	16	176	<	41	60	274	39	543	1	5	0.03	3.59	2.31	2.04	1.01	0.29	0.06	0.08
PHS-23	P	0.4	58	37	157	128	<	<	3	<	<	4.7	12	35	132	7	36	105	236	19	196	3	3	0.07	3.25	1.86	2.68	1.93	0.14	0.04	0.11
PHS-24	P	0.5	71	34	165	110	<	<	1	<	<	4.0	11	36	119	<	30	91	272	20	143	2	3	0.08	2.89	1.79	2.37	1.64	0.10	0.07	0.13
PHS-25	P	0.6	72	35	166	108	<	<	3	<	<	4.4	12	44	134	<	34	92	274	24	162	2	3	0.07	2.72	1.93	2.39	1.53	0.10	0.09	0.16
PHS-26	P	0.5	77	43	251	149	7	<	3	<	3	4.3	16	78	184	9	39	105	293	24	131	2	3	0.06	2.40	1.36	2.75	1.02	0.11	0.07	0.23
PHS-27	P	0.6	84	34	206	116	<	<	3	<	<	5.0	12	50	123	6	30	90	290	23	132	1	2	0.07	2.58	1.61	2.61	0.96	0.12	0.08	0.16
PHS-28	P	1.5	104	35	385	67	<	<	2	<	<	9.8	15	124	94	11	18	47	290	29	183	2	1	0.03	2.11	3.57	4.34	0.39	0.07	0.11	0.33
PHS-29	P	0.3	43	7	97	40	<	<	1	<	<	3.6	5	23	95	<	11	30	110	11	92	2	<	0.03	1.20	2.77	1.11	0.40	0.07	0.05	0.13
PHS-30	P	0.9	147	32	277	84	<	<	2	<	<	7.4	12	56	301	<	28	74	275	21	254	3	3	0.07	2.68	9.16	2.68	1.58	0.30	0.04	0.39
PHS-31	P	1.0	156	32	501	146	<	<	6	<	<	9.3	23	76	137	8	26	115	350	20	244	3	3	0.07	3.75	2.09	4.58	1.08	0.22	0.06	0.26
PHS-32	P	1.0	137	45	381	166	5	<	5	<	<	7.1	20	95	189	<	39	125	362	24	133	3	3	0.06	3.22	2.44	3.84	1.30	0.13	0.04	0.23
PHS-33	P	1.0	108	56	339	178	<	<	3	<	<	5.8	20	102	248	<	49	122	407	29	107	3	3	0.07	2.92	2.34	3.29	1.22	0.07	0.03	0.16
PHS-34	P	0.8	104	29	286	135	<	<	3	<	<	7.9	17	51	90	<	21	56	253	19	133	4	2	0.05	3.46	4.37	1.83	1.13	0.28	0.05	0.16
PHS-35	P	0.6	65	19	150	90	<	<	2	<	<	5.1	9	32	63	<	10	21	205	13	344	2	1	0.02	2.07	12%	1.45	0.35	0.13	0.08	0.10
PHS-36	P	0.6	136	69	386	255	37	<	7	<	<	6.1	17	120	371	22	54	127	344	23	167	4	4	0.06	2.52	1.46	3.69	0.89	0.20	0.03	0.32
PHS-37	P	0.8	103	47	351	115	7	<	7	<	<	4.5	8	102	241	<	48	103	162	12	72	2	2	0.01	2.13	2.02	2.92	0.91	0.14	0.02	0.63
PHS-38	P	0.9	84	41	213	926	19	<	7	<	<	4.8	18	101	56	<	27	157	438	23	30	4	6	0.01	0.99	1.40	2.81	0.48	0.06	0.02	0.40
PHS-39	P	4.0	299	74	1440	245	26	<	62	<	<	13.6	25	437	393	13	137	1024	229	25	62	7	7	0.04	2.03	0.79	7.70	0.60	0.27	0.02	0.39
PHS-40	P	2.9	200	84	904	175	18	<	7	<	<	12.1	19	269	377	<	44	198	426	15	73	6	4	0.02	2.61	1.62	4.77	0.62	0.10	0.05	0.34
PHS-41	P	1.1	196	59	795	353	24	<	9	<	<	8.0	24	287	443	<	50	197	403	25	104	4	4	0.06	2.87	0.76	4.64	0.71	0.15	0.02	0.27
PHS-42	P	0.7	85	52	325	259	20	<	6	<	<	5.1	15	94	261	6	42	129	302	16	45	1	2	0.05	2.52	0.47	3.34	0.63	0.11	0.02	0.16
PHS-43	P	0.4	55	44	155	206	7	<	5	<	<	4.8	10	47	524	7	45	126	189	16	70	1	2	0.06	2.72	0.59	3.53	0.60	0.10	0.02	0.10
PHS-44	P	0.9	113	17	337	89	11	<	1	<	<	5.4	7	143	121	<	15	52	243	8	60	2	1	0.02	1.33	1.61	1.35	0.60	0.04	0.04	0.09
PHS-45	P	1.2	120	31	418	101	<	<	4	<	<	6.2	11	231	174	<	27	90	363	16	56	2	2	0.04	2.55	0.92	3.43	3.11	0.05	0.03	0.11
PHS-46	P	0.9	76	49	123	251	7	<	5	<	<	5.3	13	39	182	<	26	56	619	41	76	2	1	0.02	1.40	2.61	2.91	0.32	0.04	0.02	0.18
PHS-47	P	0.6	77	106	216	1733	14	<	17	<	<	8.0	15	66	298	<	55	121	317	20	63	4	2	0.03	2.94	0.32	6.03	0.44	0.09	0.03	0.29
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 99G0610

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#05681

132 Samples
132=Pulp

[061014:10:27:99072199]

Out: Jul 21, 1999
In : Jul 19, 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 %
PHS-48	P	1.5	230	102	424	782	27	<	12	<	<	11.9	45	124	455	6	51	125	454	21	145	8	5	0.06	3.11	1.61	6.48	1.16	0.25	0.06	0.18
PHS-49	P	1.0	219	96	327	716	51	<	9	<	<	8.9	43	108	418	<	47	113	406	19	129	8	5	0.06	2.92	1.37	5.50	0.96	0.27	0.07	0.16
PHS-50	P	0.9	161	80	356	328	15	<	9	<	<	9.2	34	113	570	<	50	129	477	23	120	5	5	0.06	3.27	1.19	5.53	1.02	0.23	0.05	0.18
PHS-51	P	1.0	160	76	485	930	46	<	6	<	<	9.4	32	176	316	13	56	197	1203	52	272	6	8	0.08	3.50	1.88	4.41	1.12	0.25	0.03	0.22
PHS-52	P	1.0	155	64	430	470	25	<	7	<	<	8.7	25	149	444	7	52	149	570	32	132	3	5	0.06	3.12	1.25	4.42	1.08	0.20	0.03	0.19
PHS-53	P	1.0	135	73	307	492	26	<	10	<	<	6.5	22	110	561	<	52	156	427	26	104	3	4	0.06	3.10	0.98	4.31	0.94	0.21	0.03	0.20
PHS-54	P	0.5	95	78	273	356	31	<	5	<	<	5.3	16	85	319	10	51	139	336	26	75	3	4	0.10	2.29	0.77	3.32	0.86	0.19	0.03	0.19
PHS-55	P	0.5	83	51	223	268	16	<	5	<	<	4.7	18	72	437	5	46	122	439	20	68	2	3	0.06	2.52	0.59	3.52	0.84	0.14	0.02	0.14
PHS-56	P	0.4	41	42	129	138	5	<	2	<	<	3.7	11	35	246	7	28	91	309	13	85	1	1	0.06	3.04	0.66	2.53	0.61	0.05	0.03	0.10
PHS-57	P	0.8	60	32	195	136	<	<	5	<	<	5.6	13	52	96	<	25	88	188	20	103	2	3	0.08	3.63	1.01	2.94	0.69	0.08	0.08	0.11
PHS-58	P	2.1	140	82	378	358	28	<	6	<	11	9.2	19	62	116	<	30	99	738	27	202	3	3	0.06	2.84	2.19	4.36	1.19	0.19	0.05	0.23
PHS-59	P	0.9	67	46	275	90	<	<	1	<	<	7.2	10	37	105	<	11	28	366	24	285	4	1	0.02	2.51	12%	1.90	0.32	0.14	0.06	0.14
PHS-60	P	1.1	66	76	369	169	<	<	3	<	<	8.0	14	38	100	9	12	29	829	30	262	3	1	0.02	2.15	8.59	2.34	0.36	0.09	0.08	0.14
PHS-61	P	0.2	62	56	118	148	7	<	1	<	<	4.4	16	38	214	10	48	97	335	27	58	2	3	0.16	2.94	0.62	2.86	0.93	0.21	0.03	0.09
PHS-62	P	1.0	36	31	120	157	5	<	2	<	<	4.9	11	32	104	7	32	95	233	22	42	1	2	0.10	4.24	0.61	2.30	0.77	0.19	0.05	0.10
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

17/08/99 Certificate of Analysis

Bernie Kreft

WO# 05722

Certified by

	Sample #	Au ppb
r	BHIT-1	1152
r	BHIT-2	7
r	BHIT-3	38
r	BHIT-4	<5
r	BHIT-5	<5
r	BHIT-6	<5
r	BHIT-7	5
r	BHIT-8	<5
s	HIT 0+0	147
s40	HIT 0+25N	119
s40	HIT 0+50N	109
s40	HIT 0+75N	32
s	HIT 0+25S	52
s	HIT 0+50S	798
s	HIT 0+75S	101
s	HIT 0+100S	178
s	HIT 25E+0	7
s	HIT 25E+25N	60
s	HIT 25E+50N	9
s	HIT 25E+75N	34
s40	HIT 25E+25S	29
s40	HIT 25E+50S	36
s40	HIT 25E+75S	24
s40	HIT 25E+100S	13
s40	HIT 50W+0	35
s	HIT 50W+25N	36
s	HIT 50W+50N	16
s	HIT 50W+75N	16
s	HIT 50W+100N	8
s40	HIT 50W+25S	8

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

Bernie Kreft

WO# 05722

Certified by

	Sample #	Au ppb
s	HIT 50W+50S	26
s	HIT 50W+75S	13
s40	HIT 50W+100S	14
s	HIT 50W+125S	28
s40	HIT 50W+150S	91
s	HIT 75E+0	25
s	HIT 75E+25N	23
s40	HIT 75E+50N	18
s	HIT 75E+75N	14
s40	HIT 75E+100N	10
s	HIT 75E+25S	9
s40	HIT 75E+50S	32
s	HIT 75E+75S	40
s40	HIT 75E+100S	45
s	HIT 75E+125S	17
s40	HIT 75E+150S	37
s	HIT 125E+0	33
s40	HIT 125E+25N	45
s	HIT 125E+50N	20
s40	HIT 125E+75N	33
s40	HIT 125E+100N	30
s40	HIT 125E+25S	25
s40	HIT 125E+50S	38
s40	HIT 125E+75S	42
s40	HIT 125E+100S	31
s40	HIT 125E+125S	71
s	HIT 125E+150S	88
s	HIT 175E+0	7
s	HIT 175E+25N	19
s	HIT 175E+50N	40

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

Bernie Kreft

WO# 05722

Certified by

	Sample #	Au ppb
s	HIT 175E+75N	33
s	HIT 175E+100N	33
s	HIT 175E+25S	41
s	HIT 175E+50S	58
s	HIT 175E+75S	80
s	HIT 175E+100S	72

CERTIFICATE OF ANALYSIS
iPL 99H0735

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. 05722

66 Samples
66=Pulp

[073508:49:57:99082099]

Out: Aug 20, 1999
In : Aug 13, 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 %
BHIT - 1	P	0.8	235	182	52	152	<	<	1	<	387	0.8	17	87	44	<	30	18	275	6	103	4	1	0.04	3.34	2.97	4.51	0.29	0.03	0.10	0.12
BHIT - 2	P	0.2	36	48	43	82	8	<	17	<	<	1.4	6	29	46	6	114	53	58	8	89	13	1	0.10	2.40	2.15	1.01	0.19	0.06	0.13	0.04
BHIT - 3	P	<	8	55	21	43	<	<	1	<	<	0.2	2	8	12	<	249	24	203	<	7	2	1	<	0.09	0.69	0.43	0.02	0.03	0.02	0.02
BHIT - 4	P	<	16	24	47	527	<	<	1	<	<	1.4	21	15	283	<	109	92	230	28	132	14	3	0.27	2.63	1.33	3.03	0.99	0.84	0.26	0.13
BHIT - 5	P	<	32	34	54	71	<	<	2	<	<	2.0	20	29	149	<	117	89	194	39	92	31	4	0.27	2.38	1.31	2.92	0.93	0.38	0.20	0.12
BHIT - 6	P	<	25	4	15	48	<	<	1	<	<	<	3	38	169	<	226	46	47	21	47	6	2	0.01	0.67	2.38	0.74	0.17	0.20	0.03	0.87
BHIT - 7	P	<	16	43	39	68	<	<	1	<	<	<	2	22	325	<	165	44	37	23	78	5	3	0.03	1.11	2.78	0.60	0.33	0.22	0.02	1.07
BHIT - 8	P	0.5	53	29	259	75	<	<	2	<	<	4.4	7	21	72	<	145	57	84	9	92	6	1	0.08	2.59	1.78	2.09	0.74	0.41	0.29	0.08
HIT 0 + 0	P	0.2	78	101	238	1259	23	<	14	<	<	<	17	83	306	<	65	141	409	22	72	4	3	0.05	3.26	0.29	6.42	0.48	0.10	0.03	0.28
HIT 0 + 25N	P	0.2	71	77	257	479	10	<	6	<	<	1.9	20	76	247	9	60	110	520	23	79	5	4	0.04	2.54	1.10	4.71	0.79	0.11	0.03	0.18
HIT 0 + 50N	P	0.4	100	69	339	480	11	<	8	<	<	2.6	18	106	373	<	55	138	486	21	88	3	4	0.06	2.88	1.11	4.67	0.91	0.15	0.03	0.14
HIT 0 + 75N	P	1.0	174	79	624	333	18	<	3	<	<	7.1	18	242	265	<	40	119	445	22	100	3	3	0.05	2.47	1.92	3.77	0.71	0.13	0.04	0.18
HIT 0 + 25S	P	0.2	85	70	228	434	17	<	7	<	<	0.4	16	72	413	<	57	161	390	20	129	2	3	0.07	3.28	0.48	4.51	0.88	0.13	0.04	0.15
HIT 0 + 50S	P	1.0	135	70	334	1570	240	<	6	<	<	2.8	25	146	302	<	60	175	1064	31	78	2	4	0.10	3.07	0.60	4.64	0.81	0.21	0.04	0.17
HIT 0 + 75S	P	1.0	248	56	742	344	15	<	10	<	<	5.0	26	421	210	<	52	188	519	24	106	2	4	0.06	3.08	1.21	4.89	1.37	0.17	0.04	0.29
HIT 0 +100S	P	0.9	233	60	474	589	12	<	7	<	<	3.7	27	284	235	14	59	153	685	49	190	3	5	0.16	3.50	1.78	4.52	1.46	0.50	0.06	0.26
HIT 25E+ 0N	P	1.4	84	39	425	73	<	<	3	<	<	6.9	10	111	65	<	15	42	192	19	199	2	1	0.02	1.76	8.21	2.98	0.20	0.06	0.13	0.20
HIT 25E+25N	P	2.1	292	62	2029	180	9	<	6	<	<	11.0	30	399	161	<	29	145	731	19	124	3	2	0.05	3.18	1.50	5.23	1.00	0.09	0.06	0.22
HIT 25E+50N	P	1.1	152	66	267	82	<	<	9	<	<	1.7	13	199	240	<	64	154	266	16	43	2	2	0.02	1.59	0.67	4.22	0.52	0.05	0.03	0.20
HIT 25E+75N	P	4.3	301	3417	2629	186	10	<	7	<	<	24.7	46	294	519	34	26	105	3827	9	1430	8	4	0.04	3.55	6.60	5.69	2.21	0.10	0.05	0.06
HIT 25E+ 25S	P	4.2	333	44	1191	158	10	<	18	<	<	13.5	18	368	166	<	69	307	359	36	108	4	2	0.02	2.75	3.66	4.44	0.31	0.08	0.03	0.25
HIT 25E+ 50S	P	2.0	149	41	412	288	7	<	12	<	7	4.1	13	152	132	<	50	180	253	22	97	4	2	0.03	2.05	3.25	3.74	0.44	0.05	0.03	0.21
HIT 25E+ 75S	P	1.7	252	55	1200	228	14	<	22	<	<	12.2	17	345	107	5	46	221	255	48	82	4	3	0.02	1.90	2.97	5.33	0.71	0.06	0.04	0.23
HIT 25E+100S	P	0.9	113	24	394	117	6	<	24	<	<	4.3	8	107	87	<	26	144	167	13	76	1	1	0.02	1.58	0.74	3.33	0.16	0.04	0.04	0.14
HIT 50W+ 0	P	0.3	115	85	397	276	10	<	8	<	<	0.2	30	123	608	<	70	148	445	22	135	7	5	0.08	4.77	0.59	5.88	0.95	0.18	0.05	0.21
HIT 50W+ 25N	P	0.6	128	158	495	270	12	<	11	<	<	1.9	17	124	250	<	51	122	393	21	53	2	1	0.01	2.70	0.42	5.39	0.60	0.11	0.03	0.31
HIT 50W+ 50N	P	0.5	107	60	255	351	8	<	10	<	<	<	29	118	1246	<	56	135	285	23	86	5	5	0.07	4.51	0.61	4.41	1.02	0.19	0.04	0.16
HIT 50W+ 75N	P	0.4	79	52	223	321	10	<	10	<	<	0.3	17	76	897	<	56	166	275	15	91	3	3	0.06	3.94	0.52	4.11	0.87	0.20	0.04	0.15
HIT 50W+100N	P	0.1	44	37	124	169	<	<	7	<	<	1.3	9	42	644	<	44	148	154	11	64	4	2	0.10	2.52	0.22	3.57	0.60	0.17	0.03	0.08
HIT 50W+ 25S	P	0.6	72	155	229	171	8	<	16	<	<	1.8	18	58	323	<	39	140	817	15	97	2	2	0.04	2.21	0.46	4.81	0.44	0.15	0.04	0.30
HIT 50W+ 50S	P	0.7	128	87	278	275	17	<	7	<	<	0.1	26	145	465	7	62	147	375	31	121	4	5	0.09	4.12	1.22	4.81	1.15	0.17	0.07	0.17
HIT 50W+ 75S	P	0.3	127	75	382	253	12	<	7	<	<	0.8	24	136	593	7	59	152	296	23	127	4	4	0.06	4.01	0.71	5.19	0.89	0.17	0.05	0.22
HIT 50W+100S	P	0.1	85	74	352	218	8	<	7	<	<	0.8	18	82	538	<	60	162	455	19	99	4	3	0.05	3.90	0.52	4.64	0.54	0.12	0.04	0.37
HIT 50W+125S	P	0.4	153	95	427	341	22	<	9	<	<	1.2	22	150	546	14	57	154	296	23	177	5	4	0.07	4.16	1.17	5.92	1.03	0.18	0.07	0.24
HIT 50W+150S	P	0.4	134	264	218	470	54	—	6	<	<	2.6	18	38	119	<	53	70	799	28	86	2	5	0.06	2.41	1.21	2.78	0.80	0.08	0.04	0.10
HIT 75E+ 0	P	0.9	88	28	531	137	8	<	3	<	<	6.8	14	129	146	14	34	88	194	22	265	3	2	0.06	2.69	8.80	3.38	0.49	0.14	0.22	0.22
HIT 75E+ 25N	P	1.4	111	30	358	144	<	<	4	<	<	5.5	15	128	112	<	27	72	282	29	264	3	2	0.05	3.11	5.90	3.88	0.40	0.15	0.25	0.27
HIT 75E+ 50N	P	1.1	155	36	185	151	10	<	6	<	<	1.3	11	69	167	<	23	70	217	10	136	5	2	0.03	2.86	0.66	6.40	0.24	0.11	0.04	0.19
HIT 75E+ 75N	P	1.5	104	27	286	126	5	<	3	<	<	3.8	11	113	357	<	32	76	474	24	166	3	2	0.05	3.40	2.72	4.18	1.95	0.34	0.13	0.20
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 99H0735

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. 05722

66 Samples
66=Pulp

[073508:49:57:99082099]

Out: Aug 20, 1999
In : Aug 13, 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 %
HIT 75E+100N P	0.8	62	25	263	107	<	<	4	<	<	3.6	12	108	142	12	24	62	348	21	173	3	1	0.04	2.96	2.35	4.44	0.98	0.11	0.14	0.20
HIT 75E+ 25S P	1.1	38	18	237	57	<	<	3	<	<	2.0	6	64	48	<	13	24	121	13	397	1	1	0.02	1.17	25%	1.94	0.13	0.07	0.12	0.11
HIT 75E+ 50S P	0.6	77	48	177	217	5	<	5	<	6	1.6	12	81	139	<	58	173	235	18	76	2	2	0.03	1.74	2.47	2.47	0.53	0.06	0.03	0.24
HIT 75E+ 75S P	2.3	183	47	1810	156	7	<	9	<	<	18.3	20	195	63	9	35	110	285	42	166	5	2	0.04	2.94	8.71	6.64	0.39	0.12	0.05	0.35
HIT 75E+100S P	1.2	108	43	451	260	10	<	5	<	<	4.3	18	145	112	6	54	118	313	31	139	4	4	0.06	3.59	3.89	4.44	0.76	0.23	0.10	0.34
HIT 75E+125S P	1.0	145	28	408	141	<	<	4	<	<	4.3	15	159	58	<	21	50	245	34	257	4	1	0.03	2.79	13%	4.68	0.42	0.10	0.10	0.33
HIT 75E+150S P	0.9	92	29	104	140	<	<	2	<	6	0.7	8	58	98	<	25	58	241	14	77	2	1	0.02	0.88	3.08	1.34	0.23	0.04	0.02	0.17
HIT 125E+ 0 P	0.8	228	47	558	217	9	<	11	<	<	1.3	26	148	337	<	47	131	240	24	101	5	3	0.07	3.58	0.71	6.60	0.64	0.17	0.04	0.21
HIT 125E+ 25N P	1.7	254	35	716	158	12	<	5	<	<	7.2	12	101	150	<	38	192	570	17	99	2	2	0.04	2.88	1.70	4.19	0.39	0.08	0.03	0.33
HIT 125E+ 50N P	0.8	73	25	284	93	<	<	4	<	<	2.2	10	65	159	5	28	75	183	16	253	2	1	0.04	2.13	13%	2.41	0.55	0.08	0.05	0.11
HIT 125E+ 75N P	2.0	339	39	1005	87	6	<	14	<	<	9.6	14	102	129	<	22	89	163	13	336	4	2	0.03	2.13	21%	3.09	0.59	0.08	0.04	1.07
HIT 125E+100N P	3.0	444	34	1115	104	5	<	11	<	<	15.1	13	121	79	13	15	71	131	20	194	4	1	0.02	2.68	2.87	3.59	0.31	0.06	0.04	0.41
HIT 125E+ 25S P	0.9	100	39	217	187	8	<	3	<	8	2.9	11	101	141	<	46	134	240	19	82	2	2	0.02	1.56	2.42	2.30	0.39	0.05	0.04	0.24
HIT 125E+ 50S P	0.3	86	78	324	309	19	<	6	<	13	3.1	20	133	260	16	69	230	393	20	87	1	2	0.03	2.71	0.90	3.59	0.63	0.08	0.03	0.29
HIT 125E+ 75S P	0.5	85	43	142	245	11	<	6	<	9	2.0	9	68	222	<	72	190	214	22	95	1	2	0.03	1.84	0.95	2.93	0.53	0.09	0.03	0.34
HIT 125E+100S P	0.5	71	54	114	222	9	<	5	<	10	2.5	9	51	202	10	60	136	187	21	81	1	1	0.01	2.08	1.19	2.65	0.44	0.08	0.02	0.25
HIT 125E+125S P	0.1	74	57	232	319	10	<	8	<	9	1.7	16	97	170	<	75	224	341	19	93	2	3	0.03	1.95	1.52	3.20	0.71	0.09	0.02	0.27
HIT 125E+150S P	2.1	213	47	937	254	<	<	7	<	44	10.6	21	265	102	<	34	136	388	40	186	2	3	0.05	3.72	3.68	4.50	0.50	0.09	0.08	0.27
HIT 175E+ 0 P	0.3	45	15	147	61	<	<	2	<	<	1.7	5	25	171	<	18	51	219	14	85	1	1	0.04	1.59	1.90	1.44	0.94	0.07	0.05	0.12
HIT 175E+ 25N P	0.7	152	33	681	94	5	<	3	<	<	3.7	10	74	207	<	32	119	437	17	122	4	2	0.04	2.34	3.95	2.74	0.90	0.07	0.04	0.88
HIT 175E+ 50N P	1.1	235	33	754	128	8	<	5	<	<	15.1	13	116	211	<	42	168	407	21	109	4	4	0.05	3.15	2.50	4.00	1.25	0.09	0.03	0.30
HIT 175E+ 75N P	1.0	154	33	511	144	6	<	4	<	<	4.4	16	99	341	12	40	118	363	18	155	4	3	0.07	3.87	3.05	3.31	2.06	0.19	0.04	0.18
HIT 175E+100N P	1.1	155	52	541	228	20	<	8	<	<	3.5	18	121	338	<	43	132	255	23	183	6	4	0.06	3.18	3.35	4.76	1.20	0.24	0.05	0.25
HIT 175E+ 25S P	0.2	68	53	128	283	13	<	7	<	8	0.9	6	44	175	7	61	200	127	10	68	1	<	0.01	1.94	0.33	3.07	0.28	0.06	0.02	0.18
HIT 175E+ 50S P	0.1	104	74	252	503	14	<	7	<	22	1.6	19	108	188	<	65	185	518	17	87	1	2	0.03	2.49	1.13	4.21	0.62	0.09	0.03	0.23
HIT 175E+ 75S P	0.6	147	71	330	428	13	<	6	<	24	1.1	23	126	177	9	65	173	600	34	117	2	4	0.06	3.38	0.97	4.47	0.82	0.15	0.03	0.27
HIT 175E+100S P	0.2	111	60	232	308	11	<	4	<	4	2.2	23	85	186	<	56	142	557	36	138	2	4	0.08	2.79	1.10	3.55	0.81	0.21	0.04	0.27
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

07/09/99 Certificate of Analysis

Bernie Kreft

WO# 05743

Certified by

	Sample #		Au 30g ppb
r	BH - 1		5
r	BH - 2		10
r	BH - 3		6
r	BH - 4		<5
r	BH - 5		<5
r	BH - 6		8
r	BH - 7		6
r	BH - 8		8
r	BH - 9		5
r	BH - 10		5
r	BH - 11		<5
r	BH - 12		<5
r	BH - 13		<5
dc	H99-01	5.4-6.4	<5
dc	H99-01	9.6-9.9	26
dc	H99-01	11.0-11.2	<5
dc	H99-01	12.2-13.2	6
dc	H99-01	14.8-15.5	<5
dc	H99-01	15.5-16.1	<5
dc	H99-01	16.1-16.8	<5
dc	H99-01	18.1-19.1	6
dc	H99-01	31.5-32.5	<5
dc	H99-01	39.1-39.5	8
dc	H99-01	39.5-39.8	468
dc	H99-01	39.8-40.3	6
dc	H99-01	40.3-41.0	<5
dc	H99-01	41.0-42.2	9
dc	H99-01	42.2-42.8	<5
dc	H99-01	42.8-43.7	<5
dc	H99-01	43.7-44.1	5

Northern Analytical Laboratories ltd.

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	Sample #		Au 30g ppb
dc	H99-01	50.1-51.3	8
dc	H99-01	51.3-52.5	<5
dc	H99-01	52.5-52.9	<5
dc	H99-01	52.9-53.4	<5
dc	H99-01	53.4-54.1	5
dc	H99-01	54.1-54.6	71
dc	H99-01	54.6-55.8	<5
dc	H99-01	55.8-57.0	7
dc	H99-01	57.0-57.7	24
dc	H99-01	57.8-58.8	7
dc	H99-01	58.8-59.3	15
dc	H99-01	59.3-59.8	<5
dc	H99-01	59.8-60.3	<5
dc	H99-01	60.3-61.4	<5
dc	H99-01	61.4-62.4	<5
dc	H99-01	62.4-62.9	<5
dc	H99-01	62.9-63.2	5
dc	H99-01	63.2-64.2	90
dc	H99-01	64.2-64.8	126
dc	H99-01	64.8-65.2	<5
dc	H99-02	5.8-6.8	34
dc	H99-02	12.0-13.0	<5
dc	H99-02	13.0-13.4	5
dc	H99-02	13.4-13.6	9
dc	H99-02	16.0-16.7	7
dc	H99-02	23.4-23.6	6
dc	H99-02	23.6-23.8	<5
dc	H99-02	36.5-37.0	10
dc	H99-02	37.0-37.5	9
dc	H99-02	45.2-45.8	415

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

Bernie Kreft

WO# 05743

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	Sample #		Au 30g ppb
dc	H99-02	45.8-46.2	32
dc	H99-02	48.4-49.6	831
dc	H99-02	49.6-50.3	12
dc	H99-02	50.3-52.0	6
dc	H99-02	52.0-52.6	214
dc	H99-02	52.6-53.3	6
dc	H99-02	53.3-54.3	52
dc	H99-02	54.3-54.6	43
dc	H99-02	54.6-55.0	654
dc	H99-02	55.0-55.8	16
dc	H99-02	55.8-56.5	111
dc	H99-02	56.5-57.5	32
dc	H99-02	57.5-58.4	101
dc	H99-02	61.0-62.0	256
dc	H99-02	62.0-63.0	7
dc	H99-02	81.7-82.7	<5
dc	H99-02	82.7-83.7	<5
dc	H99-02	83.7-84.7	5
dc	H99-02	87.2-87.5	467
dc	H99-02	88.3-88.8	6
dc	H99-02	88.8-89.7	<5
dc	H99-02	89.7-89.9	5
dc	H99-02	89.9-90.6	8
dc	H99-02	91.5-92.0	<5
dc	H99-02	92.0-93.0	<5
dc	H99-02	93.0-93.7	<5
dc	H99-02	93.7-94.7	<5
dc	H99-02	94.7-95.4	8
dc	H99-02	95.4-95.7	6
dc	H99-02	95.7-96.1	<5

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

Bernie Kreft

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	Sample #		Au 30g ppb
dc	H99-02	96.1-96.9	102
dc	H99-02	96.9-97.3	2891
dc	H99-02	97.3-97.8	2241
dc	H99-02	97.8-98.8	45
dc	H99-02	98.8-99.8	9
dc	H99-02	99.8-101.2	<5
dc	H99-02	101.2-101.7	18
dc	H99-02	104.5-105.0	5
dc	H99-02	105.0-106.1	164
dc	H99-02	106.1-107.0	790
dc	H99-02	107.0-107.9	44
dc	H99-02	110.4-111.4	18
dc	H99-02	111.4-112.8	<5
dc	H99-02	112.8-113.4	20

H 99-01 094056

DRILL HOLE LOG

LOCATION: HIT PROPERTY

AZIMUTH: 104° | ELEVATION: 4920'

INCLINATION: -60° | LENGTH: 216'

CORE SIZE: BGM

STARTED: AUGUST 22, 1999

COMPLETED: AUGUST 25, 1999

PURPOSE: Test of slowing in creek bank
H-99-01

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

DRILL HOLE NO.: H-99-01

PROPERTY: HIT

CLAIM NO: HIT 6

SECTION:

LOGGED BY: G.D. / B.S.K.

DATED LOGGED: AUG. 22-26/99

DRILLING CO.: FALCON

ASSAYED BY: NAL

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
0	8'	OVERBURDEN					
2.4	6.7	LIMESTONE, CHERT, ARGILLITE laminated interbedded light beds, centimetre scale bedding, 80% light grey to cream colour siliceous beds, 20% wispy dark grey to mauve beds, weak to moderate limonite weathering, bedding @ 75° tca, weak microfracturing, carbonate veinlets @ 70°+30° tca, minor diss. po.					
		2.8-3.1 vuggy carbonate veins and inclusions					
		3.1-4.1 broken core, tan weathering,					
		5.4-6.4 hematite dendrites					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
6.7	7.0	GRANODIORITE fine to med. gr. biotite-plagioclase granodiorite white chill margin at upper contact					
7.0	9.0	LIMESTONE, CHERT, ARGILLITE laminated interbedded light beds, bedding at centimetre scale, weakly foliated, bedding @ 75° tca, weak deformation of beddings, minor displacement of bedding by fractures, 20% wispy dark grey to mauve beds, weak microfracturing and carbonate veining, fine diss. py < 1% 7.0-7.4 hematite dendrites 7.8-7.9 .5cm carbonate vein @ 25° tca, .5cm bleached envelope around vein and fractures					
9.0	16.7	LIMESTONE, ARGILLITE, CHERT, MARBLE laminated interbedded dark beds, centimetre scale bedding, 60% mauve to dark grey beds, 20% cream to white siliceous beds, limonite weathering, hematite dendrites, weak fracturing, 9.6-9.7 moderately fractured, carbonate vein, limonite					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		11.0 - 11.2 quartz-carbonate vein, 1cm wide, moderate fracturing and fine carbonate veining					
		11.5 wispy dark beds contain fine gr. diss py. < 1%					
		12.2 .2cm carbonate vein @ 20° tca					
		12.6 .4cm carbonate vein @ 50° tca					
		13.7 - 13.4 deformation of bedding, fine py patches < 1%					
		14.8 - 16.8 bands of blue-grey grainy marble, anastomising fine carbonate veinlets, vuggy, carbonate fragments w open cavities					
		16.0 - 16.3 - weak fracturing with graphite on faces.					
16.7	23.8	LIMESTONE, ARGILLITE, CHERT, MARBLE laminated interbedded light beds, 60% white to cream colour siliceous beds, 30% wispy mauve to grey beds, bedding at centimetre scale, bedding @ 75° tca, weak deformation of bedding, weak displacement of beds by fractures, weak patchy limonite stain,					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		fine gr. diss. po < 1%, minor hematite a few carbonate veins and veinlets.					
		17.5 weak foliation					
		18.2 chlorite? in darker beds					
		19.1-20.1 marble bands					
		23.4 broken core, carbonate veining					
23.8	24.1	GRANODIORITE fine to med. gr biotite-plagioclase granodiorite, chill margin at upper contact					
24.1	27.8	LIMESTONE, CHERT, ARGILLITE laminated mixed beds, centimetre scale bedding, bedding @ 80° to ca, 65% white to cream siliceous beds, 35% dark grey to mauve wispy beds, weakly foliated, weak deformation of bedding, minor microfractures and carbonate veinings, minor limonite stain on fractures and bedding planes, weak offset of bedding by fractures, fine diss po, a few clots < 1%					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		24.9 - stronger limonite staining					
		26.4 - sparse dendrites of hematite					
		26.4-27.4 - blue-grey carbonate bands.					
27.8	30.2	SKARN, MARBLE, LIMESTONE, CHERT mixed bands of garnetiferous skarn, white carbonate and white siliceous beds ± 40% mauve to dark grey siliceous beds, bedding at centimetre scale, bedding @ 75° tca, weak microfracturing, patchy weak limonite stain, fine diss po < 1%					
30.2	34.6	LIMESTONE, CHERT, ARGILLITE laminated dark and light beds, centimetre scale bedding, 50% mauve to grey beds, 50% cream to white siliceous beds, bedding @ 75° tca, weak deformation, weak foliation, minor limonite on fractures and bedding plains, weak microfracturing, minor fine gr. diss po. 32.6 - 33.4 po clots < 1% 33.2 - 33.6 ½ the core is granodiorite					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		limonite stain: moderate, fine dendrites of hematite					
		33.7-34.0 ½ core granodiorite, contact parallel to core angle					
		34.2 granodiorite band, weak microfracturing					
34.6	44.0	LIMESTONE, CHERT, SKARN					
		- mixed centimetre scale beds of mauve to dark grey (40%) and cream to white beds (40%), bands and patches of skarn and marble (20%), weak deformation of bedding, bedding @ 75° tca, variable weak foliation, minor limonite staining, minor fine disst. po.					
		34.6-34.9 mottled garnetiferous grey to apple green skarn, weak microfracturing and carbonate veining					
		35.6 limonite stain					
		37.2-37.6 banded skarn					
		39.1-39.5 mixed garnetiferous skarn and sads.					
		39.5-39.8 mottled apple green skarn,					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		fine gr. diss. po, chlorite? patches					
		39.8-40.3 dense fine black microfractures in mixed seds, fine carbonate veins, dusty fine gr. po along fractures, fracture orientation mostly parallel to bedding, limonite and hematite staining					
		40.3-41.2 weak microfracturing					
		41.9 granodiorite inclusion, weak microfracturing					
		42.0 7cm. wide granodiorite band					
		43.9 weak microfracturing, fine gr. dusty diss. po, black oxide, graphitic shear at contact					
44.0	50.1	GRANODIORITE to QUARTZ DIORITE medium grained weakly porphyritic biotite granodiorite, minor hornblende, weak fracturing @ 20° and 70° toa, calcite veins in fractures					
50.1	51.3	LIMESTONE, CHERT, ARGILLITE laminated seds, 90% light white to cream					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		siliceous beds, 20% wispy mauve beds, weak deformation of bedding, fine calcite veining, fine gr. diss. py					
51.3	52.5	GRANODIORITE biotite-hornblende granodiorite, weak to moderate density of fractures @ 75° tca, bleaching around fractures, carbonate veinlets, minor quartz veins					
52.5	64.8	LIMESTONE, CHERT, ARGILLITE, BRECCIA laminated chalky beds, 75% light siliceous beds, 25% wispy mauve to green & dark grey beds, bedding @ 40° tca, weak deformation, weak microfractures and carbonate veining, fine gr. diss. py < 1% 52.9-53.1 yellow to tan weakly brecciated carbonate cemented by calcite veins, sooty black oxide around py blebs, apple green staining, 53.3-53.4 - same as above 53.6-53.8 - same as above					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		54.1-54.6 weak. brecciation of tan to yellow fine gr. chert and carbonates, open cavities, calcite cemented fragments, patchy green and brown staining					
		55.0 - calc-silicate bands					
		55.8 green stain, weak microfracturing					
		56.6 2cm. wide garnetiferous skarn band.					
		56.8 Fine diss. po along micro-fractures					
		57.0 Fine black crystals along fractures, lime-yellow oxide stain, molybdenite?					
		57.3 increasing density of microfractures					
		57.7-58.8 weakly brecciated tan to green stained beds, fractured by calcite veining and microfractures, bladed calcite crystals, open cavities, minor garnet					
		59.2 same as above, black sooty					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		oxide around po clots, open cavities					
		59.9 quartz-feldspar band parallel to core angle					
		60.0-60.3 - green stained bands, weakly schistose, marapesite?, black sooty po blebs, weak microfractures.					
		60.7-62.8 several .2-.5cm wide carbonate veins parallel to bedding					
		62.8-64.8 marble bands and weakly brecciated yellow stained carbonate, weak microfracturing					
		63.5 green chloritic bedding plains, minor po clots along bedding.					
		63.8 blue-black metallic grains in calcite veinlets, increasing density of fracturing					
64.8	65.2	SKARN					
		apple green mottled fine gr. rock, moderate microfracturing, fine dusty po in fractures, 1% po					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
		65.2 blue-grey carbonates weak brecciation by calcite veins & weakly sheared, open cavities.				

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LOCATION: HIT PROPERTY

DRILL HOLE NO.: H 99-02

AZIMUTH: 104°	ELEVATION: 4920'	PROPERTY: HIT	
INCLINATION: -72°	LENGTH: 383'	CLAIM NO: HIT 6	
	CORE SIZE: BGM	SECTION:	
STARTED: AUGUST 23, 1999		LOGGED BY: G.D / B.S.K	
COMPLETED: AUGUST 24, 1999		DATED LOGGED: AUG. 23-25/99	
PURPOSE: Test of showing in creek bed H-99-02		DRILLING CO.: FALCON	
		ASSAYED BY: NAL	

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
0	9' (3.3m)	OVERBURDEN					
3m	7.3	LIMESTONE, CHERT, ARGILLITE laminated interbedded sods, centimetre scale, bedding 60° tca, pervasive silicification, 70% light grey to cream colour beds, 30% maroon to dark grey beds., weak to moderate limonitic weathering, minor dendrites of hematite, v minor po diss.					
		3.5-3.6 minor displacement of bedding by microfractures 16° tca					
		3.8-3.9 .5cm carbonate veins 80° tca and weak microfractures 40° tca.					

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DRILL HOLE LOG

OCATION:			DRILL HOLE NO.:
ZIMUTH:	ELEVATION:		PROPERTY:
NCLINATION:	LENGTH:		CLAIM NO:
	CORE SIZE:		SECTION:
TARTED:			LOGGED BY:
OMPLETED:			DATED LOGGED:
URPOSE:			DRILLING CO.:
			ASSAYED BY:

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		5.8-6.8 moderately fractured, a few 1cm wide calcite veins 70° tca					
7.3	7.6	GRANODIORITE fine to med gr biotite gd, chill margin 3cm. wide on upper contact					
7.6	10.2	CHERT, LIMESTONE, ARGILLITE laminated interbedded beds, centimetre scale, bedding 65° tca, 80% light grey to cream colour beds, 20% dark grey beds, weak deformation of bedding, patchy weak limonitic weathering, fine diss. py < 1% 9.0 2cm. band of massive fine gr. py					

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DRILL HOLE LOG

OCATION:	
ZIMUTH:	ELEVATION:
NCLINATION:	LENGTH:
	CORE SIZE:
TARTED:	
OMPLETED:	
PURPOSE:	

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

DRILL HOLE NO.:

PROPERTY:	
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATED LOGGED:	
DRILLING CO.:	
ASSAYED BY:	

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
9.2	10.6	GRANODIORITE					
		fine to mod. gr. hbdlite granodiorite, 3cm.					
		chill margin at upper contact.					
		10.2 4cm. quartz-feldspar vein					
10.6	23.6	CHERT, ARGILLITE, LIMESTONE					
		interbedded sets, centimetre scale,					
		60% mauve to dark grey beds, 40%					
		light grey to cream beds, bedding @ 60°ca,					
		weak deformation of beddings, weak to					
		moderate limonite staining on bedding plains,					
		a few microfractures offset bedding on					
		millimetre scale, pervasive silicification, a few					

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DRILL HOLE LOG

LOCATION:	DRILL HOLE NO.:
AZIMUTH:	ELEVATION:
INCLINATION:	LENGTH:
	CORE SIZE:
STARTED:	
COMPLETED:	
PURPOSE:	

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

PROPERTY:	
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATED LOGGED:	
DRILLING CO.:	
ASSAYED BY:	

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		carbonate veins and veinlets on fractures and bedding plains. weak to moderate microfracturing, minor fine diss py, a few fine py clots and veinlets.					
		10.8 5cm. carbonate band, weakly limonitic					
		11.3-11.4 fine py veinlets in microfractures					
		12.1 clots of fine grained py elongated along bedding; up to 1cm long					
		13.0-13.4 limonitic fractures @ 10° tca, 1cm. py vein along fracture					
		13.4-13.6 grey-brown sed weakly brecciated by anastomising					

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DRILL HOLE LOG

LOCATION:	
AZIMUTH:	ELEVATION:
INCLINATION:	LENGTH:
	CORE SIZE:
STARTED:	
COMPLETED:	
PURPOSE:	

SURVEYS			
METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.

DRILL HOLE NO.:	
PROPERTY:	
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATED LOGGED:	
DRILLING CO.:	
ASSAYED BY:	

CORE RECOVERY:

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		millimetre scale veins and veinlets of white carbonate, microfractures, weak limonitic staining.					
		13.6-18.8 - several .5cm white carbonate veins 70° tca, open vugs, casts					
		18.8-18.9 - broken limonitic core, clay gouge, shear?					
		21.7 2cm granodiorite band					
		22.1-22.3 blue-grey fine to med. gr. carbonate vein @ 45° tca					
		22.4 minor diss. fine gr. py clots along bedding plain in siliceous whitish cream colour clast.					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
23.6	24.5	GRANODIORITE fine to med gr. biotite-hornblende granodiorite, weak microfracturing @ 20° tca, bleaching along fractures, fine white carbonate veins on fractures, 20cm chill margin on upper contact, minor fine py at upper contact					
24.5	33.4	CHERT, ARGILLITE, LIMESTONE, MARBLE laminated mixed dark and light interbedded seds on a centimetre scale, 40% mauve to dark grey beds, 60% light grey-white-cream beds, bedding 60-65° tca, some weak deformation of bedding, pervasive silicification, minor patchy limonite stain, variable weak microfracturing and carbonate veinings, minor diss. fine gr. py 24.5-25.5 grainy fine gr. white-grey marble bands and broken fragments, weathered out cavities, weakly sheared. 25.9-27.5 a few purple coloured carbonate bands and veins, patchy black chloritic clots?					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		27.5 - 27.7 granodiorite, fine gr., weak limonite stain					
		27.7 - 28.4 2cm marble bds, limonite stain on microfractures in dark beds					
		28.4 2cm white quartz vein @ 35° tca					
		29.0 1cm med. gr. dark carbonate vein 11 to bedding					
		30.6 .5cm white carbonate vein @ 8° tca					
		32.5- white carbonate veinlets in microfractures 20° tca, comprise 2% of rock					
33.4	33.6	GRANODIORITE white fine gr.					
33.6	34.2	SKARN, CHERT mixed apple green fine to med. gr. calc-silicate and white carbonate bands, cream colour chert beds, bedding @ 30° tca, poorly developed green and brown garnets up to 1cm in skarn bands					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
34.2	41.2	CHERT, ARGILLITE, LIMESTONE, MARBLE mixed interbedded sedi, centimetre scale bedding, bedding @ 50° tca, 60% white to cream colour cherts, 40% mauve to dark grey sedi, a few grainy light grey marble bands, selective silicification, weak deformation of bedding, weak schistosity on dark beds - chlorite?, weak microfracturing, minor diss. fine gr po					
		34.2 - 36.1 up to 2% garnets, fine gr. clots and veinlets of po					
		36.1 - 36.3 black microfracture 20° tca					
		36.3 - 36.5 granodiorite band					
		36.5 - 37.0 weakly brecciated, calc-silicate rock, garnets, carbonate veins @ 90° tca and 50° tca					
		37.0 - 37.4 weakly schistose green-brown beds contain chlorite, biotite?, minor po blebs diss. along bedding in light cherty beds and in microfractures @ 90° to 60° to bedding					
		37.5 carbonate band, dark chlorite patches, weakly garnetiferous					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		39.8 10cm limonite stained section, 1cm white carbonate vein, actinolite? crystals.					
41.2	42.0	SKARN banded and interbedded white carbonate, brown & green calc-silicate, 20% light grey chert beds, bedding @ 45° tca, poorly developed green and brown garnets, weakly deformed bedding, minor diss. py, dusty black oxide weathering of py					
		41.3 quartz band.					
42.0	48.4	CHERT, ARGILLITE, LIMESTONE mixed interbedded beds, centimetre scale beddings, laminated, bedding 35-45° tca, weak deformation of bedding, pervasive silicification, minor patchy limonite staining, minor microfractures 40-60° to bedding, a few white carbonate veins and veinlets, minor fine gr. py diss. and veinlets, orientated parallel to bedding.					
		44.0-45.8 calc-silicate bands, poorly					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		developed garnets, white carbonate bands, apple green colour sharn, epidote?					
48.4	49.5	SHARN mottled green & brown calc.-silicate rock and light chert beds; garnet crystals, bladed calcite, actinolite? & white carbonate bands, fine po veinlets and diss. parallel to bedding, up to 2% of rock, po primarily in dark beds and fractures.					
49.5	53.3	CHERT, ARGILLITE, SHARN mixed interbedded laminated beds, 50% green to white beds, 40% wispy mauve to green-grey beds, bedding @ 30° tca, weak deformation of bedding 49.5-50.6 black to grey microfractures somewhat anastomosing, fine po, diss. on fractures and bedding plains 51.3-51.4 sharn band, po vein .5cm 52.0-52.6 calc-silicate ex. weak limonite on fractures					

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
53.3	55.0	SKARN, CHERT, LIMESTONE mottled green skarn bands separated by white to cream siliceous beds and vuggy limestone fragments and beds, black graphitic fractures and chlorite? patches					
		54.2 sooty black oxide overgrowths and diss. py., bladed calcite and garnet crystals					
		54.3-54.6 - fragments of vuggy weathered carbonate, microfractures, calcite veining, yellow tinged fragments, weakly brecciated section					
55.0	59.9	CHERT, SKARN, CALC-SILICATE 60% interbedded light siliceous beds, centimetre scale bedding, 30% calc-silicate bands, 10% mauve to brown argillite, bedding @ 35° to weak microfracturing, deformation of bedding; mottled green bands contain garnets, epidote and white carbonate lenses, diss. py with dusty black oxide patches. 57.0 weak microfracturing					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		57.4 dikelite patches					
		57.8 open cavities in yellowish carbonate fragments					
59.9	60.6	LIMESTONE, CHERT 90% mauve to dark grey beds, 10% cream to white siliceous beds, bedding @ 30° to c.a, weak deformation of bedding, bedding offset by microfractures and calcite veinlets, weak to moderate fracturing and veining					
60.6	61.1	CHERT, LIMESTONE, ARGILLITE laminated light coloured soft, wispy bedding, pervasive silicification					
61.1	62.4	SKARN, CALC-SILICATE, mottled apple green garnetiferous rock, epidote, bladed calcite, white carbonate bands and lenses, weak remnant bedding, weak microfracturing, calcite veinlets and veins 61.7 fine stibnite blades 62.0 vuggy yellowish carbonate fragments					

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		62.4 - quartz carbonate vein parallel to core angle					
62.4	63.6	CHERT, LIMESTONE highly siliceous white to cream colour beds, grainy marble bands, weak fracturing 63.4-63.6 broken core, poor recovery, graphitic fractures, shear?					
63.6	68.5	GRANODIORITE: fairly fresh biotite granodiorite, weakly fractured, a few .5cm wide carbonate veins @ 85° tca 66.5-68.5 biotite quartz diorite, chlorite 68.0 - weak foliation and slickensides @ 60° tca					
68.5	70.3	LIMESTONE, CHERT 80% mauve to dark grey limestone, 20% cream & white clasty beds, bedding @ centimetre scales					

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		weakly deformed bedding @ 40° tca, weak foliation in dark beds, chloritic?					
		68.3 2cm calcite band					
		68.6 microfracture, calcite veinlets					
		69.1 granodiorite inclusion					
70.3	81.6	GRANODIORITE fine to med gr. biotite granodiorite, several bleached fine gr. siliceous sections, weak microfracturing @ 20°, 60° tca, a few carbonate veinlets.					
		72.6 - chert inclusion					
81.6	83.4	LIMESTONE, ARGILLITE, CHERT wispy to laminated, 80% mauve to grey beds, 20% cream to white beds, bedding at centimetre scale, bedding @ 70° tca, weak deformation, bedding offset by fractures, mauve beds are weakly foliated containing chlorite, weak microfracturing, fine blebs and diss. of py on fractures and bedding plain < 1% total sulphide					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
83.4	94.0	CHERT, ARGILLITE, SKARN					
		mixed laminated light and dark sed.,					
		70% cream to white siliceous beds, 30%					
		mauve to brown beds, bedding @ 80° tca,					
		weak deformation of beddings, weak					
		microfractures, minor po. as diss. and					
		blebs.					
		85.2 2.5cm skarn band,					
		garnetiferous, epidote?					
		85.7 3cm skarn band					
		87.2-87.4 skarn band, dusty black					
		weathering po patches and					
		vein lets.					
		91.2-91.7 - dark beds have fine					
		white crystals along margins					
		91.5-92.0 - a few carb. veinlets on					
		microfractures @ 20°+60° tca.					
		92.5 - skarn band, garnet					
		93.0 .5-1cm carb. veins 80° tca,					
		green stain of fractures					
		93.1-93.7 purple marble lenses					
94.0	104.7	CHERT, MARBLE, SCHIST, BRECCIA					
		mixed sedis, bedding 75° tca,					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		sections of weak brecciation and fracturing, fine gr. po diss and in fractures,					
		95.4-95.7 increasing density of microfractures, fine carb. veinlets and fine po					
		95.7-96.1 – tan to grey, sooty, dense microfracturing and fine carbonate veinlets, dusty black oxide around clots of po, ~1%, apple green stain					
		96.1-96.4 blue-grey and green carbonate, dense microfractures, minor brecciation along carbonate veins					
		96.4-96.9 light grey graning marble, blue & purple bands, a few carbonate veinlets					
		96.97.3 graphitic schistose fracture faces, quartz-carbonate veins, dusty black oxide and po clots, weak brecciation					
		97.3-97.7 breccia zone, dark grey					

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		limestone and med grey chert fragments in carbonate matrix, moderate density of carbonate veins and microfractures, a few fine gr. quartz-carb. veins, po blebs and diss, a few clasts of fine gr. po.					
		97.7 6cm mauve bed					
		97.8-99.1 a few .5cm calcite veins @ 10° tca					
		101.2-101.7 laminated mauve and green beds, fine microfractures, dusty black po clots					
		103.3 skarn band					
		104.6 skarn band					
104.7	113.4	SKARN, MARBLE, CHERT apple green to white to salmon skarn, light brown garnets, epidote?, poorly bedded @ 75° tca, white carbonate bands, weakly fractured, minor po, small blue-black metallic crystals, molybdenite? black dusty oxide around po, bladed calcite lenses, open cavities, yellow tinge to vuggy carbonate,					

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ANALYSES
		blocky chloritic patches					
		104.9 blue-black metallic mineral, actinolite crystals					
		105.8 - 105.9 minor fine gr. po clots to .5cm wide.					
		107 - 107.9 weak microfracturing					
		108.2 5cm shear band w garnet crystals, white carbonat las radiating blades, calcite, aragonite?					
		108.4 carbonate veins					
		108.8 secondary carbonate in fractures, bleaching along fractures					
		112.8 - 113.4 mottled apple green shear, 1% po diss. and minor chalcopyrite					
113.4	116.7	GRANODIORITE fine to med. gr., biotite - feldspar - quartz, weak carbonate veining and fracturing, weak bleaching around fractures					
		EOH					

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