SUMMARY REPORT

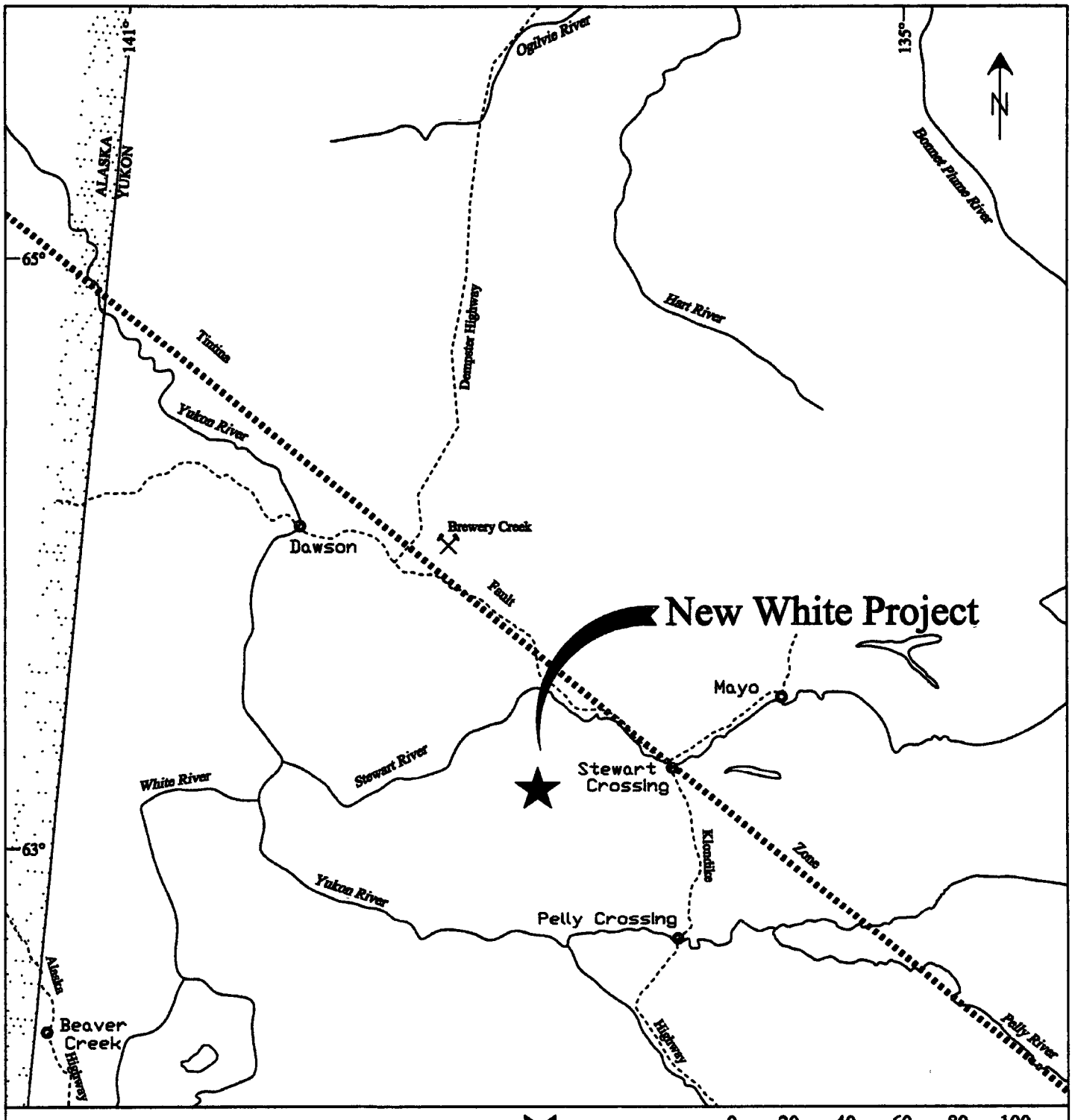
GRASS ROOTS PROSPECTING PROGRAM

NEW WHITE PROJECT

NTS – 115 P/03
MAYO MINING DISTRICT
YUKON TERRITORY

For: YMIP Geology Branch
Economic Development
Government of Yukon

By: Michael Glynn
December 1999



NEW WHITE PROJECT

Mayo M.D., Yukon

Location Map

NTS 115 P/03	Scale 1:2,000,000
Jan. 2000	By HJK	Fig. 1

LOCATION and ACCESS

The area prospected lies along the southeast slopes of the White Mountains in the central Yukon. Approximate geographic coordinates for the target area center are:
Latitude: 63 degrees 09 minutes Longitude: 137 degrees 17 minutes

The nearest road is situated 45 km to the north, across the Stewart River. At this point, along the Klondyke Highway, the McQuesten Air Strip provides an excellent staging area to access the project by helicopter. Air distances and directions to helicopter bases are as follows: Mayo 90 km to the northeast and Dawson City 145 km to the northwest.

TOPOGRAPHY and VEGETATION

Elevations rise moderately from 3000 to 5300 feet along the south and east slopes of Rough Top Mountain. Tree line occurs at approximately 4200 feet , however in areas of talus slides tree line can be found at elevations below 3500 feet. With the exception of valley bottoms; north and northeast facing, permafrost covered slopes, the soil cover is generally less than 40 cm. Much of the area prospected during 1999 had been burned in the Stewart Forest Fire of 1998 . The fire caused many "new" bedrock exposures by burning away mosses and greatly assisted prospecting in these areas.
Stream valley bottoms are wide and generally consist of glacial derived ,alluvial materials at elevations below 3300 feet. At some locations , north of Cold Spring Creek, Affects of past glacial activities were observed at elevations above 3500 feet. Many of the glacial out flows/ melt channels are now swamp meadows.

REGIONAL GEOLOGY

The White Mountains and more locally, Rough Top Mountain are underlain by mesozoic intrusions of ultra mafics and jurassic to cretaceaous granites. The oldest rock types in this area are proterozoic sediments belonging to the Yukon Group. Paragneiss, quartzite, schist, phyllite, and rare limestone compose a geological "sub unit"commonly referred to as Klondye Schist. The principal structural feature of the district is the dextrial strike slip, 450 km displacement, Tintina Fault Zone located 35 km north of the project area. This fault separates the Yukon Tanana Terrane, on the southwest, from the Selwyn Basin on the northeast.

1999 PROSPECTING PROGRAM

The intent of the prospecting program was to follow up the Regional Stream Geochemical Survey (RSG) conducted by the Geological Survey of Canada (GSC). Six out of the ten GSC samples collected within the 1999 target area reported anomalous gold values ranging from 5 ppb to 31 ppb. These sediment samples were gathered from streams draining the east and southeastern slopes of Rough Top Mountain, an area encompassing approximately sixty square kilometres.

A total of 72 soil, 12 stream sediments, and 8 rock samples were collected during the 1999 program. Soils and stream sediment samples were sieved to minus 200 mesh. All samples were assayed for 30 elements by ICP. Gold values were determined by fire/AAS finish as provided by Northern Analytical Laboratories in Whitehorse.

The prospecting program commenced on September 06,1999 with a helicopter charter provided by Fireweed Helicopters from the Dawson City base. Camp was established at 3700 ft. elevation, 2.5 km southeast of Rough Top Mountain, along the southern bank of an east southeast flowing stream. A short traverse in the vicinity of camp investigating the suitability of soils for geochemical sampling was carried out. At this location, and at elevations of 3500 ft , glacial affects were not evident.

NORTH AND EAST OF CAMP #1

Two days were spent north of camp #1 prospecting and collecting stream sediment samples along the major east flowing creek. Five of the stream sediment samples submitted for analysis returned gold values of 10 ppb to 54 ppb. Lack of bedrock out crops within 500 metres of the creek hampered prospecting however, "C" soil horizons were attainable along the south bank at elevations 200 feet above the creek. Phyllitic Klondyke schist cut by north-northeast striking quartz veins was observed along two kilometres of the predominate ridge south of the stream sediment samples. At the western end of this ridge, close to contact with the ultramafics, the quartz veins swell to widths of 1.5 metres. Chloritic schist dipping 35 degrees WWS, limonitic horizons and silicification along partings of the Klondyke schist were also noted. The affects of contact metamorphism is generally restricted to the Klondyke schist. Adjacent gabbro and peridotite display minimal deformation and remain competent within 10 to 15 metres of the contact. Further prospecting1.5 km to the north and south, over the contact, failed to locate any alteration or mineralization.

A total of 44 soil samples were collected along the previously mentioned ridge. This soil sampling was done in conjunction with prospecting traverses over the course of two days. Two lines were run in an east-west direction with sample intervals of 100 metres. Gold values are in the 18 ppb range adjacent to the ultramafic rocks and steadily decline over

2.5 km, in an eastward direction, to 7 ppb. North-northwest striking quartz veins, of variable widths, were encountered over the entire soil sampling line.

EAST OF CAMP #2

One day was spent investigating a mapped quartz monzonite outcrop approximately 2 km east of camp #2. This outcrop is smaller than has been mapped by the GSC. Limited argillic alteration and quartz veining was noted at the eastern contact with crenellated, occasionally graphitic Klondyke schist. The single "C" horizon soil (99XG38) sample taken from this zone of alteration returned 10 ppb gold. In some locations along this contact margin silicification occurs in both the intrusive and schist. The quartz monzonite is typically tan to orange weathering, and rarely contains disseminated limonite. The center of this intrusive body is porphoritic while the margins are fine grained and occasionally host quartz veinlets. A total of ten soil samples were collected along a single line at 100 metre intervals over the contact aureole and main body of quartz monzonite. Gold values were typically10 ppb over the entire line.

WEST OF CAMP #2

One day was spent prospecting 2 km west of camp #2 along the east-west striking ridge. Rock exposures are excellent as this area has also been burnt by forest fire. This traverse failed to locate any thing but even textured Klondyke schist. One zone of quartz veining was encountered on the steep slope 500 metres west of camp #2. A rock sample (99RG50) of broken angular quartz fragments in a breccia like textured matrix adjacent to bronze coloured micaceous Klondyke schist returned 7 ppb gold and 107 ppm arsenic

SOUTH OF CAMP #2

A total of 16 soils, 3 rock and 7 stream sediments samples were taken south of camp # 2. Two days were spent prospecting this area. 15 soil samples were gathered at 50 metre intervals, along the 3150 foot contour, to investigate manganese rich, rust weathering limestone horizons and limonitic quartz veins found 250 metres north of a quartz monzonite outcrop. Gold values along the sample line are low, averaging 9 ppb.
A soil sample taken nearest the quartz monzonite body returned elevated levels of Ni (104 ppm), Cr (239 ppm), V (165 ppm), 2.58 percent magnesium.

Stream sediment samples were collected from five tributaries of Cold Spring Creek.
A stream that drains the southern most end of Rough Top Mountain returned 102 ppb gold. The headwaters of this stream were not prospected during the 1999 program.
The remaining four sediment samples gathered from this drainage, as well as two samples gathered along "camp #2 creek", returned gold values of 9 ppb to 21 ppb.

CONCLUSIONS

1 The1999 grassroots prospecting program was successful in duplicating anomalous gold in stream sediment values previously reported by the GSC Regional Stream Geochemical Survey.

2 Mineralized structures were not located along the contacts of intrusive ultramafic or granitic rocks on the east and southeast slopes of Rough Top Mountain.

3 A stream sediment sample (99SM27) collected in the extreme southwest area of work returned a gold value of 102 ppb. The area upstream of this sample site was not visited during the 1999 program.

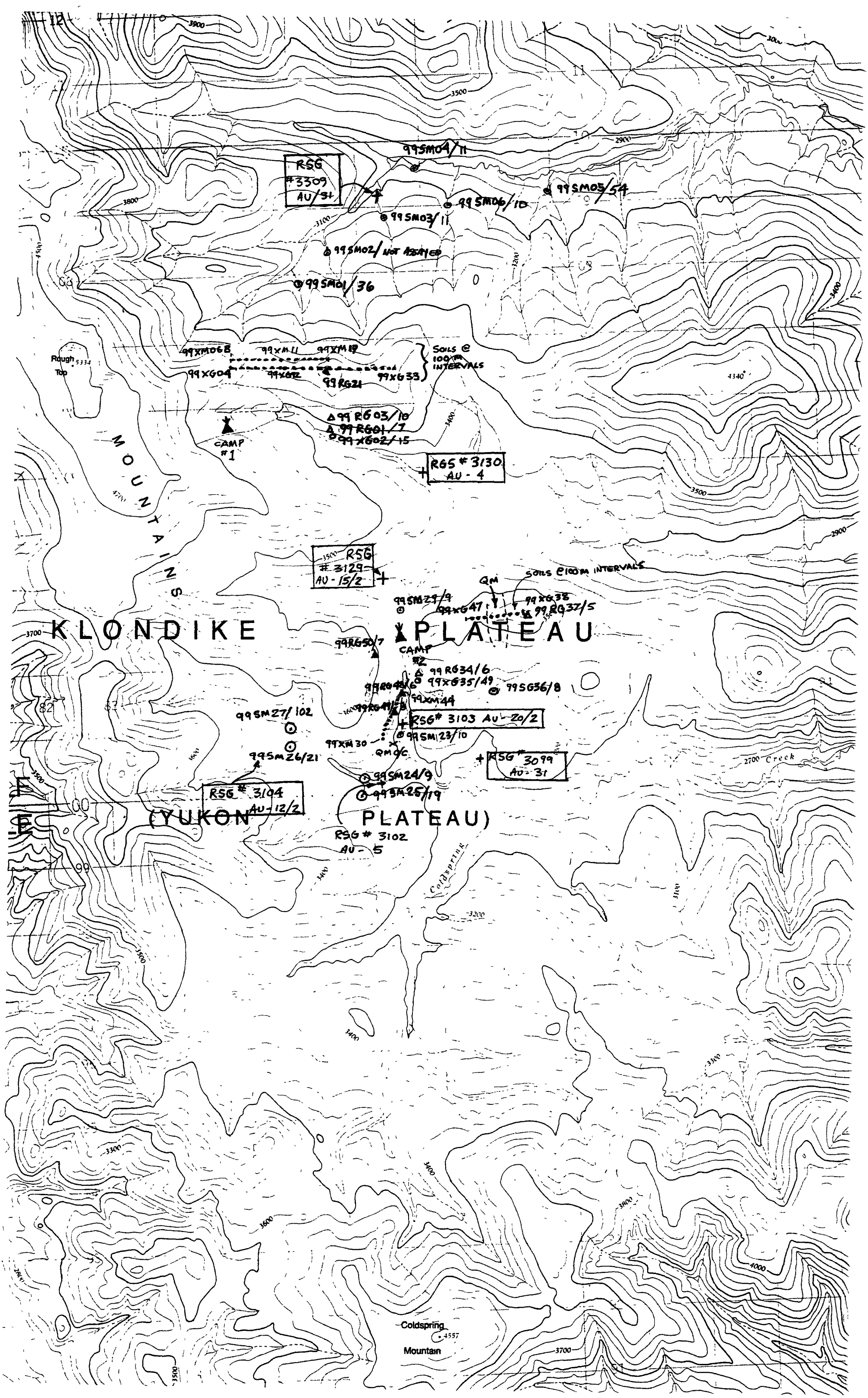
RECOMENDATIONS

1 Further similar work should continue by focusing on the west and south slopes of the White Mountains.

2 Stream sediment sample 99SM27 should be replicated and further sampling and prospecting conducted in the vicinity

ROCK SAMPLE DESCRIPTIONS

99RG01	Float-milky white qz, limonite lined voids
99RG03	Float-klondyke schist, limonitic,fresh qz in mica partings
99RG21	Sub crop-contact of graphitic klondyke schist/ qz vein
99RG34	Insitu-rust weathering qz vein in porphoritic quartz monzonite
99RG37	Insitu-Quartz monzonite, rust weathering, disseminated limonite, sugary texture. At contact of crenulated, graphitic klondyke schist
99RG48	Float-bull qz, disseminated limonite and stain/weathering
99RG49	Sub crop?-qz, laminar fabric, limonite lined voids, mn, and rusty hz's
99RG50	Float-alt? klondyke schist, limonitic, qz/mica breccia and qz stockwork


RSG #3309 AU/31
99SM04/11
99SM06/10
99SM05/54
99SM03/11
99SM02/ NOT ASSAYED
99SM01/36
99XM06B
99XM11
99XM19
99XG04
99XG12
99RG21
99XG33
Soils @ 100m INTERVALS
Rough Top 5334
CAMP #1
Δ99RG03/10
Δ99RG01/7
99XG02/15
RG5 # 3130 AU-4
RSG # 3129 AU-15/2
99SM29/9
99XG47
QM
99XG38
99RG37/5
Soils @100m INTERVALS
KLONDIKE PLATEAU
99RG50/7
CAMP #2
99RG34/6
99XG35/49
99SG36/8
99RG49/6
99XM44
RSG # 3103 AU-20/2
99SM27/102
99SM23/10
99XM30
QM/C
99SM26/21
99SM24/9
99SM25/19
RSG # 3104 AU-12/2
RSG # 3099 AU-31
(YUKON PLATEAU)
RSG # 3102 AU-5
Coldspring Creek
Coldspring Mountain 4557

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18/10/99

Certificate of Analysis

of pages (not including this page): 4

Michael Glynn

WO# 00016

Certified by
Justin Lemphers (Senior Assayer)

Date Received: 30/09/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	12	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh
s	72	soil	Screen -80 mesh
ss	12	sediment	Screen -200 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au	ppb	Gold	G: FA/AAS	15g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry
FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

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13/10/99 Certificate of Analysis

Michael Glynn WO# 00016

Certified by

	Sample #	Au ppb
s	B99XG03	9
s	99XG02	15
s	99XG04	16
s	99XG05	18
s	99XG06	12
s	99XG07	17
s	99XG08	19
s	99XG09	14
s	99XG10	17
s	99XG11	13
s	99XG12	14
s	99XG13	15
s	99XG14	12
s	99XG15	13
s	99XG16	12
s	99XG17	15
s	99XG18	15
s	99XG19	13
s	99XG20	13
s	99XG22	10
s	99XG23	8
s	99XG24	10
s	99XG25	11
s	99XG26	11
s	99XG27	7
s	99XG28	11
s	99XG29	7
s	99XG30	9
s	99XG31	5
s	99XG32	9

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Certified by

	Sample #	Au ppb
s	99XG33	7
s	99XG35	49
s	99XG38	10
s	99XG39	13
s	99XG40	8
s	99XG41	10
s	99XG42	8
s	99XG43	10
s	99XG44	10
s	99XG45	11
s	99XG46	10
s	99XG47	12
s	99XM06B	19
s	99XM07B	9
s	99XM08	9
s	99XM09	16
s	99XM10	12
s	99XM11	11
s	99XM12	9
s	99XM13	12
s	99XM14	10
s	99XM15	14
s	99XM16	8
s	99XM17	9
s	99XM18	16
s	99XM19	12
s	99XM20	12
s	99XM30	9
s	99XM31	12
s	99XM32	11

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WO# 00016

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	Sample #	Au ppb
s	99XM33	8
s	99XM34	7
s	99XM35	5
s	99XM36	6
s	99XM37	6
s	99XM38	7
s	99XM39	18
s	99XM40	9
s	99XM41	8
s	99XM42	9
s	99XM43	10
s	99XM44	12
ss	99MS23	10
ss	99MS24	9
ss	99MS25	19
ss	99MS26	21
ss	99MS27	102
ss	99MS29	9
ss	99SG36	8
ss	99SM01	36
ss	99SM03	11
ss	99SM04	11
ss	99SM05	54
ss	99SM06	10
r	B99RG01	8
r	B99RG02	9
r	B99RG04	6
r	B99RG05	6
r	99RG01	7
r	99RG03	10

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13/10/99 Certificate of Analysis

Michael Glynn WO# 00016

Certified by

	Sample #	Au ppb
r	99RG21	30
r	99RG34	6
r	99RG37	5
r	99RG48	6
r	99RG49	8
r	99RG50	7

CERTIFICAT OF ANALYSIS
iPL 99J0995

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Northern Analytical Laboratories — **96 Samples** — Out: Oct 22, 1999 In: Oct 18, 1999 [099517:01:21:99102299]

Project : WO#00016
Shipper : Norm Smith
Shipment: PO#: 176719
Analysis:
ICP(AqR)30

Comment:

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CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	96	Pulp	Pulp received as it is, no sample prep.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals 1=Copy 1=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C030901
* Our liability is limited solely to the analytical cost of these analyses

BC Certified Assayer: David Chiu

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Client : Northern Analytical Laboratories — **96 Samples** — 96=Pulp
Project: WO#00016 — [099517:01:21:99102299]

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 %
B99XG-03	P	<	65	32	42	8	<	<	3	<	<	<	12	43	64	<	43	58	247	7	13	3	5	0.03	1.53	0.92	2.28	1.06	0.06	0.02	0.26
99XG-02	P	<	41	11	58	13	<	<	1	<	<	<	10	21	140	<	26	37	669	8	6	1	2	0.04	1.84	0.07	2.51	0.60	0.05	0.02	0.04
99XG-04	P	<	21	11	58	9	<	<	2	<	<	2.6	12	34	170	<	37	67	318	11	13	7	3	0.13	2.06	0.14	2.99	0.54	0.05	0.02	0.04
99XG-05	P	<	18	13	57	7	<	<	2	<	<	<	12	23	158	<	40	76	337	16	12	9	5	0.16	2.14	0.11	3.59	0.52	0.05	0.02	0.04
99XG-06	P	<	45	9	65	11	<	<	3	<	<	<	12	21	378	<	18	50	955	10	10	1	4	0.11	1.92	0.14	2.62	0.83	0.32	0.02	0.05
99XG-07	P	<	18	9	43	10	<	<	2	<	<	<	7	14	158	<	31	60	173	10	13	1	2	0.12	1.47	0.17	2.40	0.40	0.04	0.02	0.06
99XG-08	P	0.2	39	7	72	6	<	<	2	<	<	<	9	27	329	<	27	54	303	17	17	2	4	0.09	1.55	0.18	2.54	0.55	0.07	0.02	0.03
99XG-09	P	0.1	19	7	43	9	<	<	1	<	<	<	5	14	178	<	23	45	129	11	10	1	1	0.04	1.26	0.12	2.05	0.33	0.03	0.02	0.06
99XG-10	P	0.2	49	11	82	9	<	<	4	<	<	<	10	31	355	<	41	72	308	16	15	2	4	0.11	1.84	0.11	3.12	0.66	0.07	0.02	0.04
99XG-11	P	<	29	7	71	11	<	<	1	<	<	<	11	30	348	<	27	69	303	17	16	1	5	0.08	1.69	0.15	2.91	0.60	0.11	0.02	0.04
99XG-12	P	1.0	49	12	58	<	<	<	3	<	<	<	9	26	164	<	30	55	159	14	9	9	3	0.09	1.64	0.05	3.31	0.39	0.06	0.02	0.03
99XG-13	P	0.1	20	11	60	20	<	<	2	<	<	<	13	29	263	<	40	85	332	13	12	7	4	0.14	2.43	0.11	3.65	0.51	0.05	0.02	0.05
99XG-14	P	1.0	22	16	65	21	<	<	4	<	<	<	13	28	189	<	41	89	322	10	10	14	4	0.14	2.43	0.10	3.67	0.44	0.04	0.02	0.05
99XG-15	P	<	22	10	54	14	<	<	2	<	<	<	10	23	220	<	34	66	212	13	12	6	4	0.11	1.85	0.11	3.05	0.48	0.05	0.02	0.03
99XG-15	P	<	30	9	61	<	<	<	2	<	<	<	8	26	359	<	30	46	305	19	18	1	3	0.08	1.30	0.22	2.23	0.54	0.12	0.02	0.03
99XG-17	P	0.1	47	12	91	14	<	<	4	<	<	<	13	36	302	<	38	64	338	20	16	2	6	0.06	1.87	0.15	2.92	0.61	0.06	0.02	0.03
99XG-18	P	0.3	37	15	237	12	<	<	3	<	<	<	15	53	253	<	56	96	429	16	11	12	6	0.25	2.25	0.10	3.88	0.62	0.04	0.02	0.05
99XG-19	P	<	20	11	53	9	<	<	2	<	<	<	12	22	146	<	29	60	338	10	10	3	3	0.07	1.86	0.10	2.80	0.48	0.05	0.02	0.03
99XG-20	P	0.2	16	10	54	7	<	<	3	<	<	<	10	21	205	<	27	54	251	10	11	3	2	0.05	1.65	0.10	2.74	0.48	0.04	0.02	0.03
99XG-22	P	<	9	9	37	6	<	<	1	<	<	<	4	8	76	<	13	30	146	14	6	1	1	0.04	1.05	0.06	1.67	0.24	0.05	0.02	0.03
99XG-23	P	0.6	16	14	64	12	<	<	2	<	<	<	11	23	178	<	32	64	336	13	11	6	3	0.09	2.09	0.09	3.00	0.48	0.04	0.02	0.02
99XG-24	P	<	13	11	51	12	<	<	2	<	<	<	10	19	158	<	35	67	226	13	12	7	3	0.15	1.98	0.13	3.00	0.55	0.04	0.02	0.03
99XG-25	P	0.1	19	12	58	15	<	<	3	<	<	<	12	25	190	5	33	66	383	17	13	9	5	0.09	2.08	0.12	3.11	0.51	0.04	0.02	0.03
99XG-26	P	0.8	26	81	105	6	<	<	2	<	<	<	14	26	205	<	48	85	267	17	12	13	5	0.25	2.16	0.14	3.54	0.47	0.03	0.02	0.05
99XG-27	P	0.1	12	9	50	15	<	<	2	<	<	<	11	23	199	<	29	60	378	12	16	2	3	0.06	2.01	0.20	2.92	0.48	0.05	0.02	0.03
99XG-28	P	<	18	12	52	14	<	<	2	<	<	<	9	23	296	<	32	62	299	21	17	9	5	0.08	1.88	0.17	2.89	0.53	0.05	0.02	0.02
99XG-29	P	<	11	17	48	<	<	<	2	<	<	<	5	11	172	<	15	29	240	29	12	2	2	0.05	1.17	0.14	1.86	0.52	0.10	0.02	0.03
99XG-30	P	<	25	13	57	13	<	<	2	<	<	<	8	23	248	<	28	53	246	18	12	2	5	0.04	1.67	0.12	2.67	0.45	0.04	0.02	0.02
99XG-31	P	<	6	9	46	5	<	<	1	<	<	<	4	7	60	<	11	35	186	13	6	<	1	0.05	1.16	0.06	2.02	0.39	0.10	0.02	0.03
99XG-32	P	0.1	15	14	57	7	<	<	3	<	<	<	10	20	130	<	32	63	338	13	9	2	3	0.10	1.69	0.08	2.94	0.39	0.03	0.02	0.06
99XG-33	P	<	14	12	53	6	<	<	1	<	<	<	6	12	180	<	17	31	158	28	14	4	3	0.05	1.53	0.10	1.79	0.61	0.03	0.02	0.01
99XG-35	P	0.2	11	12	70	91	<	<	2	<	<	<	12	15	301	<	39	83	510	7	15	2	2	0.15	2.64	0.28	3.97	1.39	0.53	0.02	0.05
99XG-38	P	1.9	16	24	158	26	<	<	3	<	<	<	19	32	312	<	48	102	562	7	25	7	2	0.26	2.51	0.29	5.16	0.31	0.07	0.02	0.14
99XG-39	P	0.8	21	13	56	13	<	<	2	<	<	<	13	29	269	<	40	84	307	13	15	5	4	0.13	2.44	0.15	3.41	0.45	0.04	0.02	0.04
99XG-40	P	0.3	20	11	56	13	<	<	2	<	<	<	11	22	194	<	36	77	233	14	12	5	3	0.10	2.03	0.12	3.16	0.50	0.05	0.02	0.03
99XG-41	P	0.4	14	14	56	11	<	<	2	<	<	<	10	24	174	<	36	84	220	10	15	5	2	0.15	2.02	0.17	3.80	0.43	0.13	0.02	0.06
99XG-42	P	0.3	19	11	52	13	<	<	1	<	<	<	10	24	260	<	34	67	220	14	13	13	4	0.08	2.14	0.13	2.91	0.49	0.04	0.02	0.02
99XG-43	P	0.1	20	9	56	10	<	<	1	<	<	<	9	22	167	<	24	51	295	22	20	2	4	0.06	1.39	0.24	2.64	0.45	0.09	0.02	0.05
99XG-44	P	0.2	15	10	61	12	<	<	2	<	<	<	8	22	183	<	30	61	237	11	13	6	3	0.07	1.84	0.14	2.86	0.48	0.05	0.02	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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

CERTIFICAT OF ANALYSIS
iPL 99J0995

INTERNATIONAL PLASMA LABORATORY LTD

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Client : Northern Analytical Laboratories
Project: WO#00016

96 Samples
96=Pulp

[099517:01:21:99102299]

Out: Oct 22, 1999
In : Oct 18, 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 %
99XG-45	P	<	14	12	57	5	<	<	2	<	<	<	11	19	212	<	28	68	318	9	12	1	2	0.07	1.63	0.14	3.19	0.44	0.07	0.02	0.06
99XG-46	P	<	16	10	43	8	<	<	2	<	<	<	7	17	192	<	24	48	224	15	16	2	3	0.05	1.56	0.15	2.50	0.44	0.06	0.02	0.03
99XG-47	P	<	30	8	57	7	<	<	2	<	<	<	10	24	234	<	28	52	239	14	14	2	4	0.05	1.53	0.15	2.57	0.44	0.03	0.02	0.03
99XM06B	P	<	21	9	66	6	<	<	3	<	<	<	10	37	206	<	51	99	185	15	28	1	2	0.09	1.84	0.46	3.28	0.99	0.25	0.02	0.12
99XM07B	P	<	27	13	81	<	<	<	1	<	<	<	10	34	132	<	35	56	264	24	13	2	3	0.12	1.51	0.15	3.27	0.63	0.23	0.02	0.07
99XM08	P	<	32	12	46	6	<	<	2	<	<	<	7	17	144	<	20	56	296	9	9	1	2	0.10	1.37	0.10	2.35	0.54	0.07	0.03	0.03
99XM09	P	0.1	30	9	62	13	<	<	3	<	<	<	9	25	273	<	30	58	324	10	17	1	3	0.08	1.77	0.28	2.70	0.53	0.05	0.03	0.05
99XM10	P	0.4	45	6	74	9	<	<	2	<	<	<	8	26	219	<	29	53	186	16	14	1	3	0.09	1.82	0.17	2.66	0.58	0.15	0.03	0.05
99XM11	P	<	19	6	45	6	<	<	2	<	<	<	2	13	379	<	14	33	125	14	18	<	<	0.02	0.79	0.14	1.16	0.16	0.05	0.03	0.06
99XM12	P	0.1	18	13	44	<	<	<	3	<	<	<	8	19	147	<	42	82	184	11	10	2	3	0.15	1.69	0.09	3.25	0.35	0.03	0.03	0.12
99XM13	P	0.5	31	8	64	<	<	<	1	<	<	<	9	25	338	<	27	60	208	15	15	2	4	0.06	1.54	0.12	2.67	0.52	0.09	0.02	0.03
99XM14	P	<	12	11	48	6	<	<	1	<	<	<	7	16	142	<	27	60	211	9	10	1	2	0.05	1.67	0.11	3.04	0.40	0.04	0.03	0.03
99XM15	P	<	27	10	65	12	<	<	2	<	<	<	14	24	309	<	32	61	582	16	18	3	5	0.06	1.89	0.17	3.20	0.53	0.05	0.03	0.04
99XM16	P	<	12	7	47	8	<	<	1	<	<	<	6	17	102	<	26	53	142	12	11	1	1	0.06	1.42	0.13	2.27	0.38	0.05	0.03	0.04
99XM17	P	0.1	58	10	90	11	<	<	2	<	<	<	10	34	306	<	34	68	314	16	13	1	3	0.12	1.72	0.14	2.72	0.47	0.20	0.02	0.07
99XM18	P	0.1	30	10	62	12	<	<	2	<	<	<	9	26	288	<	30	64	235	11	12	1	4	0.10	2.01	0.20	2.77	0.64	0.10	0.02	0.06
99XM19	P	0.2	51	13	144	9	<	<	2	<	<	<	8	40	253	<	47	65	261	16	20	1	4	0.10	1.77	0.14	2.61	0.71	0.09	0.02	0.04
99XM20	P	0.2	69	9	164	6	<	<	4	<	<	<	14	64	930	<	101	111	435	16	24	1	5	0.17	2.46	0.16	3.92	1.35	0.60	0.02	0.08
99XM30	P	<	50	7	64	20	<	<	1	<	<	<	26	104	87	<	239	165	438	6	9	4	16	0.08	3.85	0.22	4.63	2.58	0.05	0.03	0.01
99XM31	P	0.3	42	12	75	9	<	<	3	<	<	<	11	33	286	<	42	64	382	15	21	1	3	0.10	1.85	0.26	3.50	0.68	0.18	0.03	0.05
99XM32	P	0.3	42	17	100	11	<	<	3	<	<	<	14	38	444	<	46	56	974	14	26	1	4	0.05	1.59	0.31	3.13	0.54	0.08	0.03	0.07
99XM33	P	0.2	34	11	64	15	<	<	1	<	<	<	11	27	356	<	31	57	423	15	23	1	4	0.06	1.57	0.30	2.83	0.49	0.05	0.03	0.04
99XM34	P	0.2	32	17	87	15	<	<	2	<	<	<	13	30	363	<	31	62	760	13	28	1	3	0.06	1.65	0.29	3.22	0.43	0.07	0.03	0.06
99XM35	P	0.4	12	10	72	7	<	<	2	<	<	<	6	13	324	<	21	47	397	11	28	1	2	0.07	1.15	0.45	1.77	0.28	0.06	0.03	0.07
99XM36	P	0.2	28	11	77	16	<	<	1	<	<	<	10	26	369	<	31	63	574	16	25	1	4	0.08	1.71	0.34	2.83	0.49	0.06	0.03	0.05
99XM37	P	0.1	32	10	76	9	<	<	2	<	<	<	10	25	238	<	29	53	387	15	18	2	4	0.08	1.51	0.24	2.70	0.48	0.10	0.03	0.05
99XM38	P	0.1	18	6	63	11	<	<	2	<	<	<	10	20	167	<	30	52	416	13	17	1	3	0.07	1.42	0.26	2.61	0.45	0.06	0.03	0.07
99XM39	P	0.2	21	9	56	16	<	<	1	<	<	<	8	23	258	<	29	57	244	13	19	1	3	0.07	1.57	0.24	2.52	0.46	0.04	0.03	0.05
99XM40	P	0.2	26	9	64	14	<	<	2	<	<	<	13	18	335	<	31	60	648	16	20	2	4	0.07	1.61	0.25	2.73	0.49	0.05	0.03	0.06
99XM41	P	<	24	10	67	18	<	<	1	<	<	<	10	24	338	<	28	59	381	12	17	1	3	0.07	1.55	0.20	2.72	0.45	0.04	0.02	0.05
99XM42	P	<	23	9	64	15	<	<	2	<	<	<	8	18	261	<	25	52	295	12	15	1	3	0.06	1.40	0.19	2.46	0.44	0.04	0.02	0.06
99XM43	P	<	27	11	70	16	<	<	1	<	<	<	10	22	219	<	26	51	343	12	15	1	3	0.06	1.42	0.20	2.50	0.44	0.05	0.03	0.05
99XM44	P	0.3	26	11	70	31	<	<	2	<	<	<	9	23	287	<	28	58	320	11	17	1	3	0.05	1.66	0.21	2.71	0.46	0.05	0.03	0.06
99MS23	P	0.4	29	12	63	12	<	<	2	<	<	<	7	19	271	<	26	56	202	14	17	1	1	0.04	1.42	0.19	2.40	0.44	0.11	0.03	0.07
99MS24	P	<	18	8	69	16	<	<	2	<	<	<	10	25	334	<	27	44	233	17	23	1	3	0.07	1.44	0.37	1.84	0.42	0.07	0.03	0.07
99MS25	P	<	14	7	55	10	<	<	1	<	<	<	8	18	270	<	24	48	241	15	26	1	2	0.08	1.15	0.43	1.75	0.36	0.05	0.03	0.09
99MS26	P	0.1	37	27	91	9	<	<	2	<	<	<	11	30	342	<	31	60	403	24	30	2	4	0.07	1.49	0.51	2.92	0.47	0.17	0.03	0.11
99MS27	P	<	10	9	53	<	<	<	1	<	<	<	8	15	226	<	25	49	216	23	29	2	3	0.08	1.07	0.53	1.77	0.34	0.05	0.03	0.12
99MS29	P	<	18	8	63	9	<	<	1	<	<	<	9	20	278	<	24	45	324	14	27	1	3	0.05	1.26	0.45	2.08	0.40	0.05	0.03	0.08
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

CERTIFICAT OF ANALYSIS
iPL 99J0995

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Client : Northern Analytical Laboratories
Project: WO#00016

96 Samples
96=Pulp

[099517:01:21:99102299]

Out: Oct 22, 1999
In : Oct 18, 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 %
99SG36	P	<	12	8	50	8	<	<	1	<	<	<	7	16	333	<	21	43	291	11	30	1	2	0.04	1.13	0.45	2.14	0.34	0.04	0.03	0.09
99SM01	P	<	11	7	43	<	<	<	1	<	<	<	5	12	181	<	21	41	126	15	20	1	2	0.05	0.90	0.35	1.67	0.29	0.03	0.03	0.08
99SM03	P	<	11	5	43	<	<	<	1	<	<	<	5	14	159	<	19	38	119	16	18	1	2	0.05	1.00	0.29	1.65	0.28	0.03	0.02	0.07
99SM04	P	0.1	11	7	52	<	<	<	1	<	<	<	6	12	233	<	18	35	123	13	20	1	2	0.05	1.08	0.29	1.54	0.30	0.03	0.03	0.07
99SM05	P	0.1	15	4	47	5	<	<	1	<	<	<	7	17	294	<	28	55	263	25	31	2	3	0.08	1.01	0.57	2.10	0.32	0.04	0.03	0.11
99SM06	P	0.1	13	10	62	13	<	<	2	<	<	<	9	20	276	<	25	48	280	16	25	1	3	0.06	1.45	0.35	2.25	0.37	0.05	0.03	0.08
B99RG01	P	0.6	75	211	29	29	<	<	1	<	<	<	11	44	105	<	112	32	85	<	6	4	2	0.08	0.48	0.04	0.68	0.12	0.01	0.06	<
B99RG02	P	0.4	103	48	26	<	<	<	9	<	<	<	20	71	44	<	121	34	107	11	33	1	2	0.11	0.40	1.05	2.69	0.20	0.04	0.04	0.14
B99RG04	P	0.2	80	23	26	<	<	<	2	<	<	<	19	32	49	<	89	37	144	31	20	1	2	0.10	0.37	0.91	2.82	0.22	0.03	0.07	0.05
B99RG05	P	<	50	14	24	<	<	<	3	<	<	<	17	20	118	<	38	34	210	4	101	1	2	0.07	0.57	13%	1.61	0.96	0.09	0.06	0.04
99RG01	P	<	4	5	5	<	<	<	1	<	<	<	1	4	22	<	176	2	81	<	8	<	<	<	0.09	1.15	0.30	0.11	0.01	0.02	<
99RG03	P	<	56	17	25	<	<	<	1	<	<	<	8	15	197	<	120	10	841	5	3	<	1	0.01	0.29	0.07	1.45	0.08	0.09	0.02	0.01
99RG21	P	5.8	22	857	615	21	<	<	5	<	8	4.2	1	7	69	<	229	9	38	2	4	1	<	<	0.08	0.02	0.56	0.01	0.03	0.02	0.03
99RG34	P	<	20	18	58	12	<	<	2	<	<	<	16	16	953	<	149	70	484	11	20	7	1	0.17	2.25	0.44	3.14	1.58	1.22	0.04	0.06
99RG37	P	<	10	14	7	15	<	<	1	<	<	<	<	2	19	<	71	<	34	<	4	2	<	<	0.30	0.03	0.33	0.02	0.13	0.05	0.01
99RG48	P	<	5	8	4	7	<	<	1	<	<	<	1	4	15	<	151	2	332	2	6	<	<	<	0.05	0.04	0.25	0.01	0.02	0.02	0.01
99RG49	P	<	6	3	3	15	<	<	3	<	<	<	1	3	211	<	161	3	45	2	4	1	<	<	0.07	0.01	0.48	0.01	0.04	0.02	0.01
99RG50	P	<	104	2	219	107	<	<	3	<	<	<	7	43	94	<	119	12	292	2	2	1	3	<	0.17	0.01	6.89	0.01	0.03	0.02	0.08
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

SUMMARY REPORT

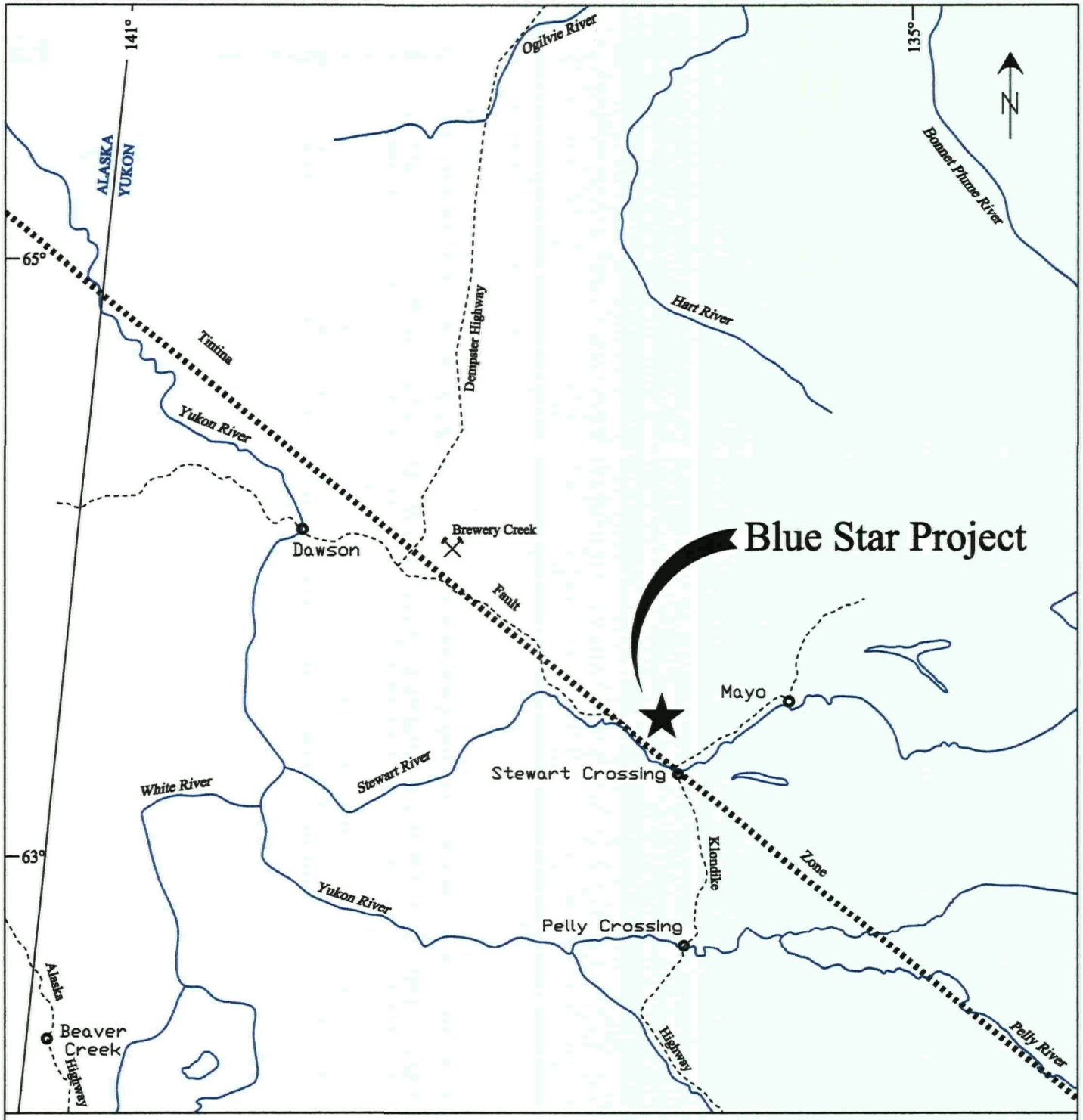
GRASS ROOTS PROSPECTING PROGRAM

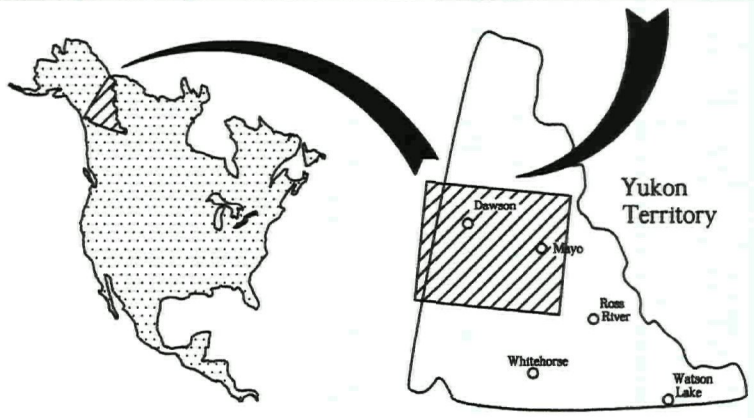
BLUE STAR PROJECT

NTS - 115 P 10/11
MAYO MINING DISTRICT
YUKON TERRITORY

For: YMIP Geology Branch
Economic Development
Government of Yukon

By: Michael Glynn
December 1999





BLUE STAR PROJECT

Mayo M.D., Yukon

Location Map

NTS 115 P/10&11	Scale 1:2,000,000	
Jan. 2000	By HJK	Fig. 1

LOCATION

The area prospected is in the Mayo Mining District NTS 115 P 10/11
Lat: 63° 35' Long: 137° 05'. South flowing drainages west of Moose Creek

ACCESS

Via Helicopter: 45 miles west of Mayo. On foot: Approximately 6 Km north of Km 567 of the Klondyke Highway.

TOPOGRAPHY and VEGETATION

The area is dominated by steep hills rising to elevations of 3,500 to 4,000 feet. South facing slopes along the Stewart River Valley are grassy and some bedrock out crops in these vicinities. South facing creeks have deeply incised the hills and provide moderate bedrock and tallus exposures In some locations the creeks flow through canyons providing excellent rock exposures.

Slopes are heavily vegetated with thick growths of alder, immature poplar and spruce.

The entire area prospected displays affects of past glacial cover.

REGIONAL GEOLOGY

The area prospected is underlain with Proterozoic and/or Paleozoic rocks of the Cassiar Platform. These Meta Sedimentary rocks consist mainly of quartzite, schists, phyllite and to a lesser degree, limestone

Cretaceous granitic intrusions are mapped on the east and west sides of the target area. The Tintina fault zone is the main structural feature in this vicinity and lies along the southern edge of the area of work.

PROSPECTING PROGRAM

During phase one of the program a total of six days were spent prospecting, employing the efforts of two persons - M. Glynn (The Author) and A. Franczak. A total of five conventional stream silt samples and three bulk silt samples were collected and submitted for analysis All samples were sieved to - 230 mesh and assayed for 30 elements by ICP. Gold values were determined by fire, aqua regia/MIBK extract, GF/AA finish.

The field program commenced on May 21, 1999. Camp was established along an abandoned road north of KM # 566 of the Klondyke Hwy

Traverse #1

Commencing from camp and following a general north-northwest, counter clockwise direction along the ridge forming the west limit of "Camp Creek". Quartzite and deformed limestones dominate the area. Quartz rich horizons cutting both bedding and deformation fabrics of the meta seds containing manganese, calcite and limonitic staining occur at both map stations # 1 & 2. Stream silt samples SS 99 01 to SS 99 05 we collected at silt rich locations along the south flowing creek west of Camp Creek - Total traverse - 9 Km.

Traverse #2

Commencing from camp and following a east-northeast direction along the south facing slope to the south flowing creek 5.5 Km east of Camp Creek A narrow ridge parallel to

both the Tintina Fault Zone and the break in slope to the north runs in a east-west direction for approximately 2 kilometers. This ridge is not expressed on topographical maps as it's elevation is 30 to 60 feet above the valley floor. The ridge dips approximately 30 degrees to the north and is believed to be related to movement along the Tintina Fault Zone. These meta seds appear to be identical to rocks lying 500 metres to the north. Neither alteration nor faulting was observed along this ridge.

A single rock sample (R 99 06) was collected from a quartz vein in out crop along the east bank of a dry gulch Geochem analysis returned only background levels for all elements. With the exception of the narrow east-west striking ridge, very little outcrop was observed. The entire traverse encountered thick glacial till and dense, tangled vegetation. Total traverse - 14 Km.

Traverse #3

Commencing from camp in a northerly direction along the steep hillside forming the west bank of "Camp Creek" for approximately 3.5 Km. Out crop along the two pups coming into Camp Creek from the west side displayed variable degrees of metamorphism ranging from schistose textured quartzite and limestone to intensely crenulated Phyllites and rare quartz mica schist with relic garnets At map location #3 phyllitic, limonitic sedimentary rocks containing quartz boudins up to 6 cm were observed in the most intensely crenulated out crops. The gulch marked as station #3 is believed to be a north- northwest trending fault zone. Further to the north along "Camp Creek", near vertical canyon walls consisting mainly of quartzite were encountered. These cliffs display increased limonitic staining at the north end of the canyon. Traverse #3 Camp was established 4.3 Km up "Camp Creek" from the base camp.

Traverse #4

Commencing from traverse #3 camp up the hills to the west and along the 2,800 foot contour in a clockwise direction. Phyllitic schists and fractured meta seds with rare thin quartz veins and stringers were observed on the west side of "Camp Creek" and also on the east bank directly east of bulk silt sample BS 99 07. Along the slopes forming the east banks of "Camp Creek" and down stream (south) mainly permafrost soils were encountered. There are no outcrops in this vicinity, and very limited exposures of float rocks. Total traverse - 4 Km.

Traverse #5

Commencing from traverse # 3 camp, down stream along "Camp Creek", two bulk silt samples were collected BS 99 08 and BS 99 09, from portions of the creek with thick, constantly depositing silt layers.
Total traverse - 4.3 Km

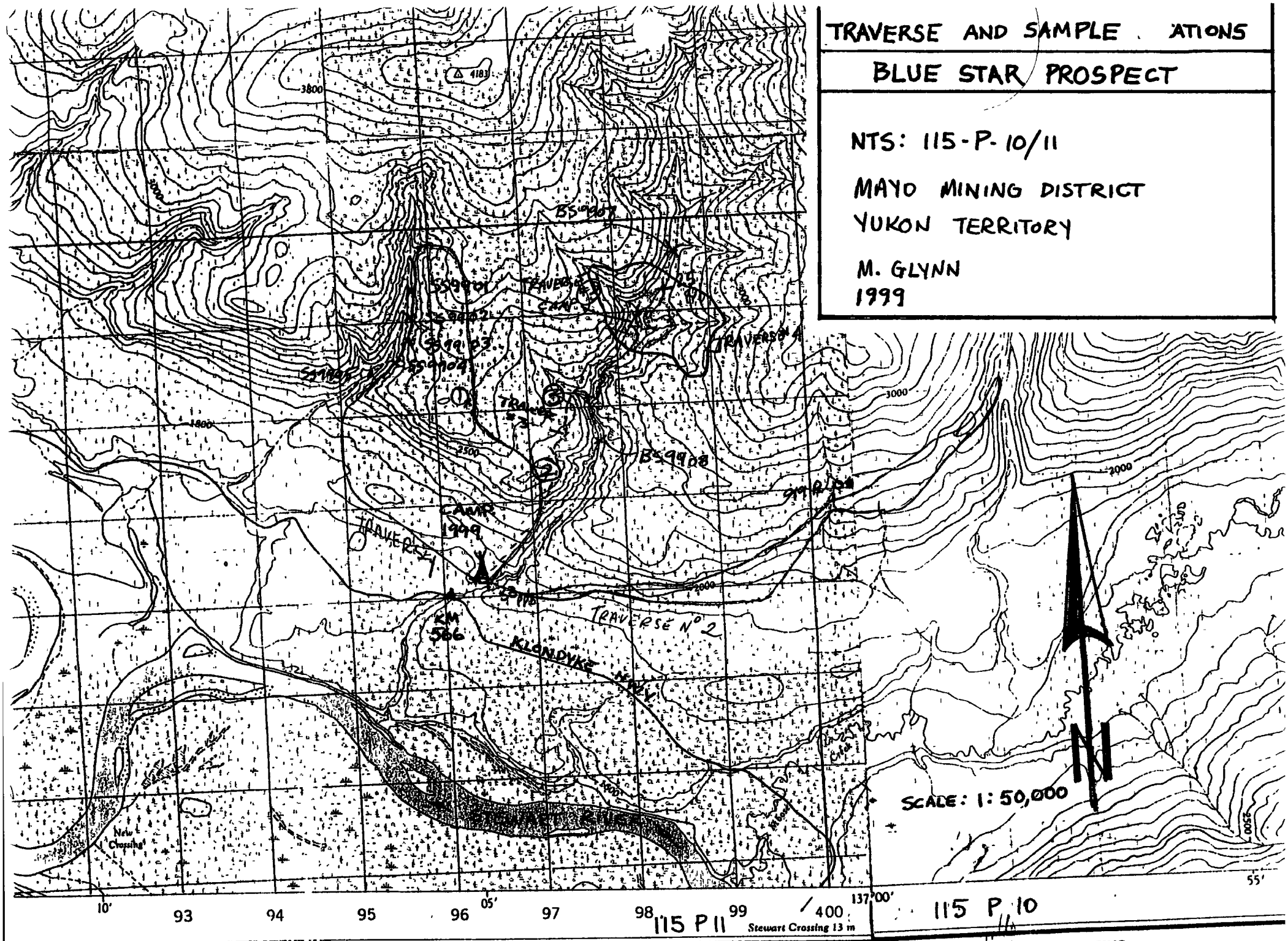
CONCLUSIONS

Bulk silt samples # BS 99 07 and BS 99 09 were collected from locations close to GSC regional stream sediment sample sites which returned gold values of 25 ppb and 33 ppb respectively. These RSG data were not replicated, however, a single bulk silt sample # BS 99 08 located approximately 2 KM down stream from a RSG sample which reported 25 ppb gold, returned a gold value of 25 ppb. Considering the affects of glacial activity in the area and volume of silt in this creek, it is believed that alluvial dispersion and or glacial concentrations cause the gold in silt anomalies.

Phase two of this prospecting program consisted of a two day traverse (July 09/10, 1999) investigating the hills along the East side of "Camp Creek" between sample locations BS 99 08 and BS 99 07. Limited outcrops occur in this area. The magnetic low, centered over the north edge of the creek canyon , is believed to be related to the abrupt change of topography along the flight line and the adjacent thick permafrost layer. Lack of alteration, the scarcity of quartz veins and the absence of intrusive rocks suggests that the gold anomalies are not of a local bed rock origin.

RECOMMENDATIONS

No further work on this target area is recommended.


TRAVERSE AND SAMPLE LOCATIONS
BLUE STAR PROSPECT
NTS: 115-P-10/11
MAYO MINING DISTRICT
YUKON TERRITORY
M. GLYNN
1999
CAMP 1999
TRAVERSE N°1
TRAVERSE N°2
TRAVERSE N°3
TRAVERSE N°4
KM 566
KLONDYKE HWY
STEWART RIVER
New Crossing
SCALE: 1:50,000
115 P 11
115 P 10
Stewart Crossing 13 m
Établie et imprimée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE
Published and printed by the SURVEYS AND MAPPING BRANCH DEPARTMENT OF MINES AND TECHNICAL SURVEYS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Side Hill Enterprises PROJECT BLUE STAR 99/#1 File # 9901685 Page 1

Box 5745, Whitehorse YT Y1M 5L5

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
R9906	1	66	<3	29	<.3	22	9	282	2.60	16	<8	<2	<2	13	<.2	<3	5	52	3.00	.010	11	46	.65	67	.02	4	2.28	.01	.63	6	<1
RE R9906	<1	62	<3	29	<.3	19	8	274	2.51	20	<8	<2	2	13	<.2	3	4	51	2.91	.008	11	44	.63	63	.02	7	2.24	.02	.62	2	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: P1 ROCK P2 BULK SILT P3 SILT AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 10 1999 **DATE REPORT MAILED:** June 15/99 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
BS9907	<1	9	7	34	<.3	13	6	196	1.32	3	<8	<2	3	20	.2	<3	<3	21	.27	.111	17	18	.26	110	.02	3	.80	.20	.03	<2	5
BS9908	<1	37	6	34	<.3	20	9	264	1.87	19	<8	<2	6	19	.2	<3	<3	30	.36	.082	21	20	.36	123	.04	<3	.71	.01	.07	<2	25
BS9909	<1	34	6	35	<.3	19	9	252	1.76	13	<8	<2	6	18	<.2	<3	<3	26	.33	.079	19	16	.34	115	.04	4	.71	.01	.06	<2	1
RE BS9909	<1	33	12	34	<.3	19	8	256	1.74	12	<8	<2	6	18	.2	<3	<3	26	.33	.078	20	16	.34	110	.04	6	.70	.01	.06	<2	1

Sample type: BULK SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
SS9901	<1	69	7	54	<.3	32	17	360	2.24	4	<8	<2	2	32	.3	<3	<3	53	.76	.052	11	32	.60	156	.05	5	1.36	.02	.08	<2	2
SS9902	<1	57	5	45	<.3	28	14	246	2.03	3	<8	<2	2	30	.2	<3	<3	51	.74	.052	10	29	.58	133	.04	<3	1.26	.02	.05	<2	<1
SS9903	<1	47	7	44	<.3	25	12	241	1.95	5	<8	<2	<2	31	.3	<3	<3	47	.76	.055	9	27	.54	146	.04	<3	1.23	.02	.05	<2	1
SS9904	<1	31	6	65	<.3	20	10	213	1.79	<2	<8	<2	2	23	.2	<3	<3	43	.55	.056	10	24	.50	126	.05	<3	1.14	.02	.09	<2	<1
SS9905	<1	30	6	69	<.3	22	11	215	1.84	3	<8	<2	2	22	.3	<3	<3	45	.53	.057	10	26	.53	127	.05	<3	1.15	.02	.09	<2	<1
RE SS9905	<1	31	7	68	<.3	21	11	213	1.84	3	<8	<2	2	22	.3	<3	<3	45	.53	.055	9	24	.53	127	.05	<3	1.15	.02	.09	<2	1
STANDARD C3/AU-S	26	62	39	165	5.6	36	12	792	3.36	58	24	2	20	28	24.0	18	22	77	.57	.086	18	165	.61	145	.08	21	1.80	.04	.16	15	55

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data d FA ____

ASSESSMENT REPORT

GEOCHEM SURVEY

RISE 1-8 CLAIMS

YC17969 - YC17974
YC18173 - YC18174
NTS: 115 H 07
LAT 61 18' LONG 136 55'

WHITEHORSE MINING DISTRICT
YUKON TERRITORY

Work Preformed: June 17 - 20, 1999
October 02 - 07, 1999

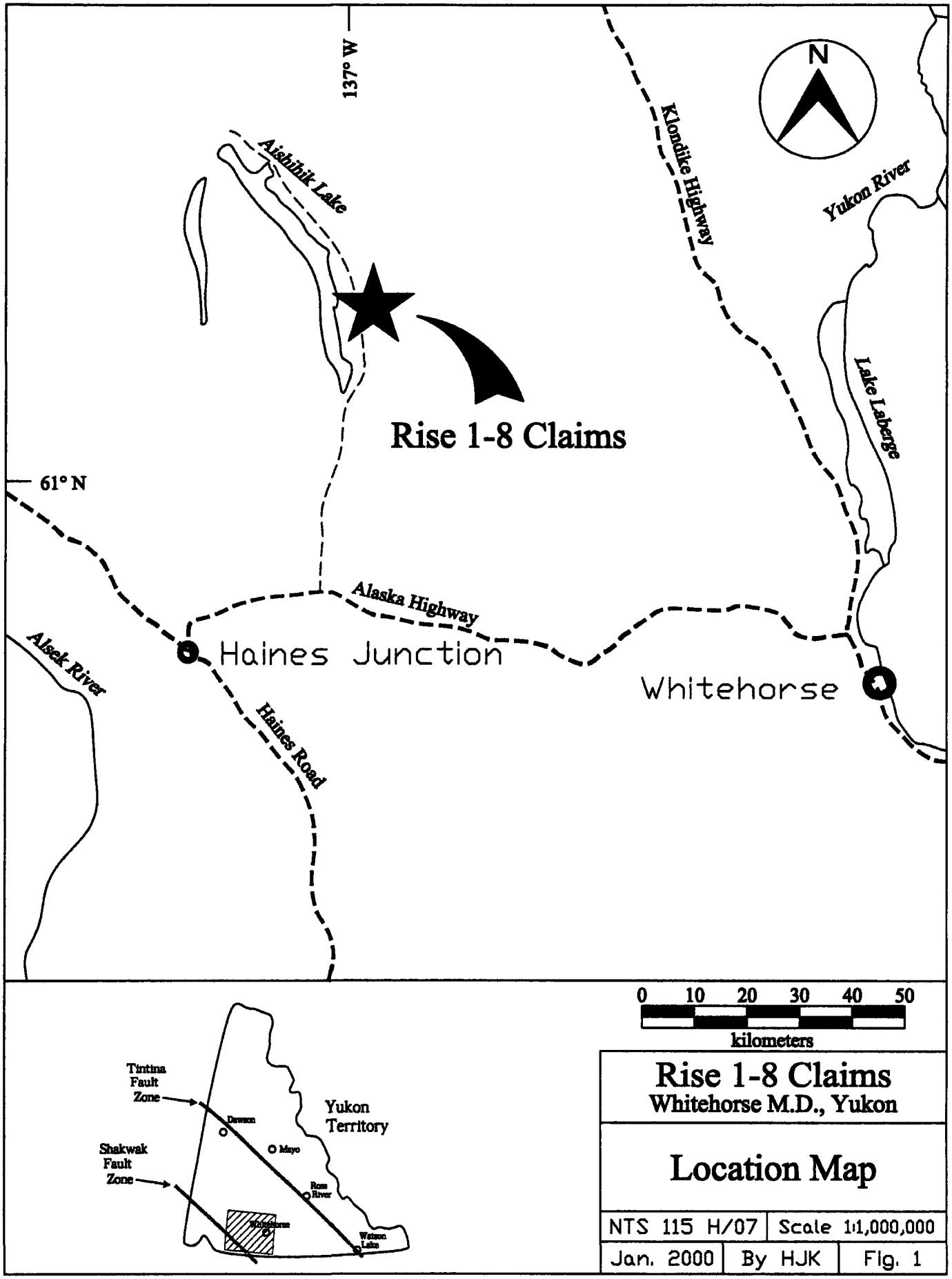
Prepared by. Michael Glynn
Box # 5745, Whitehorse, Yukon Y1A 5L5
Phone: 867-633-3418

99-040C

TABLE OF CONTENTS

INTRODUCTION

This project was made possible by the Yukon Mining Incentives Program as administered by the Geology Branch of Economic Development, Government of Yukon. The Author gratefully acknowledges the technical and financial contributions that this program, and the Geology Branch in general, offers to Prospectors and Mining in the Yukon.



Rise 1-8 Claims
Whitehorse M.D., Yukon

Location Map

NTS 115 H/07	Scale 1:1,000,000	
Jan. 2000	By HJK	Fig. 1

1999 EXPLORATION PROGRAM

A total of 21 soils and 34 rock samples were collected during June 17 - June 20, 1999. All samples were submitted for assay to Northern Analytical Labs of Whitehorse, Yukon. These samples were analyzed for 30 elements by ICP. Gold values were determined by fire assay with atomic absorption spectrophotometer. 14 of these samples were taken from areas either not within the rise 1 - 8 claim boundaries or from drainages that do not flow from the property.

Phase 1 of the 1999 exploration program employed the efforts of Michael Glynn (the author) and Tom Morgan, and totaled eight person days.

During October 02 - October 07, 1999 the author spent 2 days on the Rise 1 - 8 claims. The remainder of this period was spent prospecting over air photo lineaments to the west and north of the claims. In these areas rock exposures are scarce and much of the lineaments are filled with glacial debris and/or were outwash and flow channels related to past glacial activities.

LOCATION AND ACCESS

The Rise #1 - #8 claims are located on the Hopkins Lake map sheet - NTS 115 - H - 07, Whitehorse Mining District, Yukon Territory. Road access from Whitehorse is via the Alaska Highway and Aishihik Road, a total distance of 175 Km. The property is approximately 2 Km east of milepost 34 of the Aishihik Road. Helicopter charters are available at Haines Junction approximately 50 air miles west of the claims.

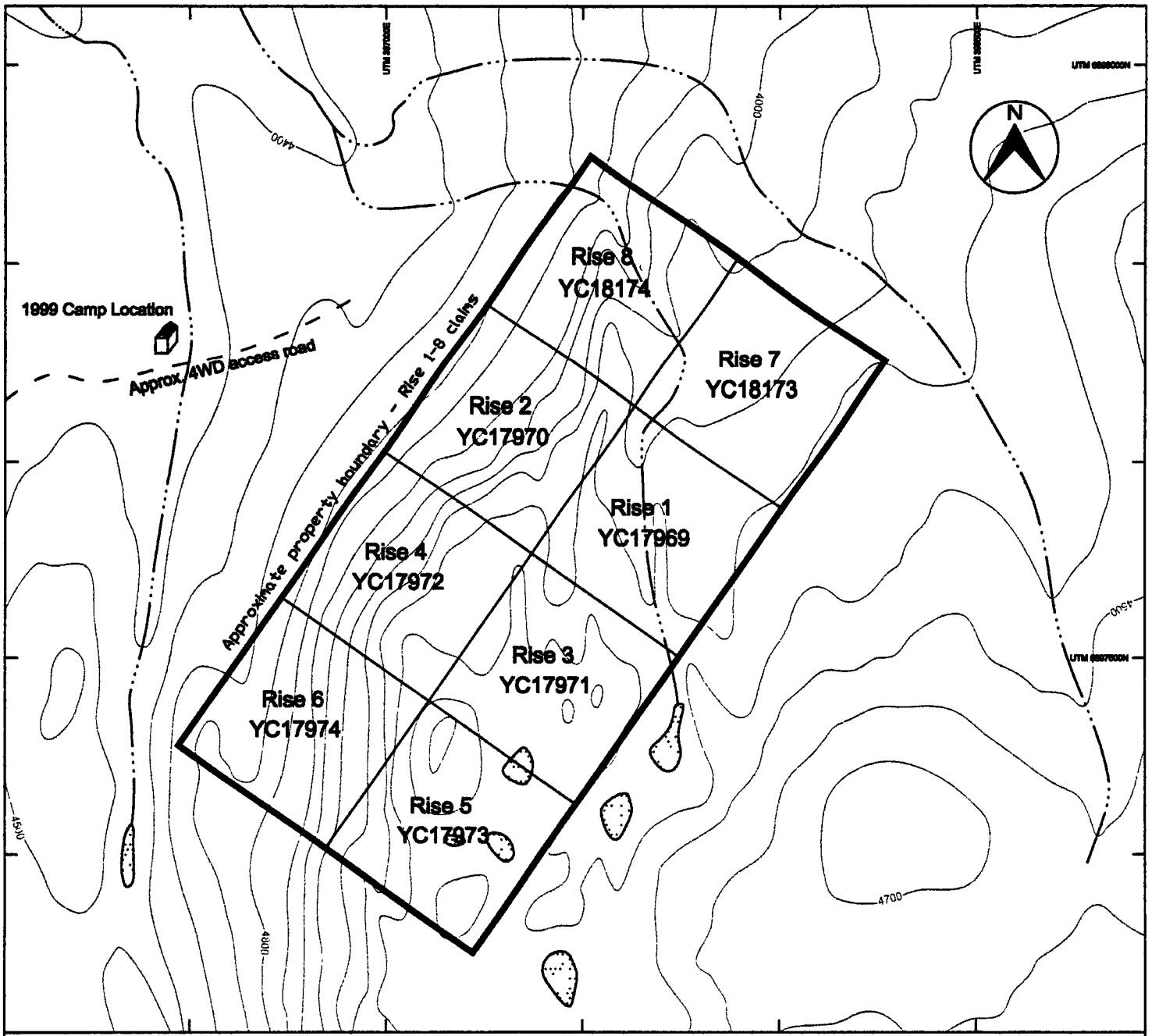
TOPOGRAPHY AND VEGETATION

The property is situated on the alpine plateau at elevations ranging from 4,000 feet to 4,600 feet. Steep slopes and cliffs providing excellent rock exposures dominate the northwest edge of the property. With the exception of some north facing, discontinuous permafrost, spruce covered slopes, the claims are above the tree line.

OWNERSHIP

Claim Name and No.	Grant No.	Expiry Date*	Owner
Rise 1 - 6	YC17969 - YC17974	2003/07/08	M. Glynn 100%
Rise 7 - 8	YC18173 - YC18174	2003/10/08	M Glynn 100%

* Pending acceptance of assessment work described in this report.



Rise 1-8 Claims

Whitehorse M.D., Yukon

Claim Map

NTS 115 H/07	Scale 1:15,000	
Jan. 2000	By MG/HJK	Fig. 2

Note: modified from DIAND Claim Map 115-H-07

REGIONAL GEOLOGY

The general vicinity of the property is underlain by rocks of Aishihik Metamorphic Suite consisting of: feldspathic mica, quartz mica and muscovite schists and gneiss; two mica granite gneiss; quartzite; marbles and meta basite. The late cretaceous - tertiary Ruby Range Plutonic Suite intrudes this paleozoic/proterozoic metamorphic unit. The main body of these intrusions consist of biotite hornblende granodiorite, monzodiorite, and quartz monzonite. North trending Eocene feldspar porphyry dykes cut all mapped rock units. Further detailed regional geological information can be found in EGSD open file #1994 - 2 (6) - Hopkins Lake map.

PROPERTY GEOLOGY

Metamorphosed paleozoic to proterozoic sedimentary rocks are the most common rock type on the Rise 1 - 8 claims Bedding widths and metamorphic grades are highly variable. limestone, quartzite, gneiss and marble beds visible along the cliff at the northwest edge of the property range in thickness from 50 cm to 30 meters. In the vicinity of Rise #4 and Rise #6 bedding is conformable along both limbs of the gently southeast dipping anticline axis. This structural feature is believed to have been caused by events related to the late cretaceous Ruby Range granite intrusion. Surface outcrops of highly altered sediments (ankerite) and chalcedony breccias directly above the anticline axis indicate late stage epithermal activity. Such alteration was observed elsewhere on the claims cutting all rock types and within or adjacent to quartz feldspar porphyry dykes.

Outcrops of granodiorite and quartz monzonite were observed on Rise 1 - 4. Narrow chill margins at the contact of granodiorite and gneiss occur at some locations in this vicinity. Swarms of narrow quartz- chalcedony veins 2 mm to 2 cm wide were observed in granodiorite and porphoritic, limonitic quartz monzonite. These outcrop exposures are not numerous enough to determine if these bodies are sills or dykes, nor to note attitudes.

MINERALIZATION

The most significant mineralization encountered during the 1999 exploration program is a 75cm to 1 metre wide stratiform skarn horizon which was traced for more than 50 metres along strike. Samples taken from this magnetite, copper rich horizon returned values of up to 1,029 ppb gold and 2.5% copper. The showing occurs on the rise 1-7 claim line along the west- facing slope of the predominant north running ridge. Mineralization consists of magnetite, chalcopyrite, pyrite, malachite and azurite. This massive sulfide horizon lies directly above a 1 to 5 metre thick, black weathering, moderately pure white marble bed, and conforms to bedding. 10cm to 30cm thick micro diorite gneiss horizons appear to have contained the upward migration of the mineralizing event in this vicinity. In a few locations along the skarn horizon rusty calc-silicate layers containing weathered out sulfides suggests the massive sulfide skarn horizon may have replaced a limestone bed. The thick marble bed(s) directly below the skarn horizon may prove to be an important marker horizon for similar occurrences elsewhere on the rise claims.

CONCLUSIONS

1 The 1999 exploration program discovered a new stratiform copper/gold skarn 75cm to one metre thick which returned values up to 2.5 percent copper and 1029 ppb gold. This massive sulfide skarn horizon has been traced for more than 50 metres and remains open along strike to the south.

2. Soil samples collected approximately 600 metres east of the rise claims are anomalous in gold.

3. Prospecting along north trending air photo lineaments failed to discover any structures which may contain mineralized, epithermal activities.

4. Rock samples which returned the highest gold values also returned anomalous tungsten values.

5. The Rise 1 - 8 claims and immediate surrounding areas are underlain by geology favorable host economic Gold and or Gold Copper occurrences

RECOMMENDATIONS

1. The Rise 1 - 8 claims require further detailed exploration.

2. Additional staking to the east and northeast of the property should be done to cover areas which reported Gold in soil anomalies.

3. Excavator trenching over the stratiform skarn horizon on Rise 7 should be done to further evaluate the economic potential of this occurrence.

4. A magnetometer survey over the alpine plateau portions of the claims would determine extensions of known magnetite skarns and detect similar undiscovered mineralized structures.

5. Detailed geological mapping on a scale of 1 . 2500 should be carried out on the claims.

6. Further geochem surveys should be done on a 25m X 100m grid employing surveyed baselines.

STATEMENT OF QUALIFICATIONS

I, Michael Damian Glynn, of Whitehorse Yukon, mailing address - P.O. Box #5745, Whitehorse Yukon Y1A 5L5, declare that:

1. I am the author of this report.

2. I did personally supervise or carry out the work described in this report on the Rise #1 - #8 claims, Whitehorse M.D. during June 17 - 20, 1999 and October 2 - 7, 1999.

3. I successfully completed the NWT prospectors license course in 1974.

4. I successfully completed the Yukon Chamber of Mines advanced prospectors course in 1989.

5. I have been actively engaged in the mineral exploration industry, as a prospector, for nineteen years since 1974.

Michael Damian Glynn

STATEMENT OF EXPENDITURES

June 17-20, 1999

Transportation	250 km x $o.42/km	$ 105.00
Living expenses	4 days x $35 X 2 persons	$ 280.00
Assays	Northern Analytical Labs W/O # 05670	$1,123.50
Contract Prospector	Tom Morgan 3.5 days x $250	$ 875.00

October 2-7, 1999

Transportation	250km x $0.42/km	$ 105.00
Living expenses	6 days x $35	$ 210 00
Assays	Northern Analytical Labs W/O # 00024	$ 64.20
	Total Expenditures	$2,762.70

ROCK SAMPLE DESCRIPTIONS

HMR 01	Insitu - skarn mineralization in qz, ca rich horizon
HMR 06	Float? – quartz monzonite, qz, limonitic
HMR 10	Float? - chalcedony breccia
HMR 11	Insitu - quartz feldspar porphyry - rusty
HMR 13	Float - chalcedony breccia, limonitic
HMR 19	Insitu - stratiform skarn, mag. py, po, cu carbonates
HMR 20	1 m chip - as HMR 19
HMR 21	Insitu - massive sulfides in ankerite alt. meta seds.
HMR 22	1-5m chip - quartz monzonite, carbonate alt. chalcedony, quartz, limonitic.
HMR 23	2m chip - As HMR 22 and in carbonate alt. meta seds.
HMR 24	Float composite grab - manganese rich float directly below HMR 22
HMR 25	Insitu - Chalcedony veins cutting argillic limonitic granite/ quartz monzonite.
HMR 26	Insitu - argillic granite or quartz monzonite dyke. limonitic.
HMR 27	Insitu - chalcedony cutting unaltered granodiorite.
HMR 28	Insitu - porphoritic quartz monzonite limonitic qz clasts to 5mm
HMR 29	Insitu - dark green fe? coating on meta seds.
HRT 02	Float - marble, aspy and py
HRT 03	Float - gneiss, quartz stringers, py
HRT 05	1m chip - quartz monzonite, limonitic
HRT 08	Insitu - magentite skarn in old trench

HRT 10	Insitu - felsic material limonitic
HRT 12	Insitu - monzonite, limonitic stockwork, old trench
HRT 13	Insitu - monzonite, chalcedony breccia, old trench
HRT 16	Insitu - skarn mineralization
HRT 18	50 cm chip - quartz monzonite, hornfels, limonitic
HRT 19	1m chip - skarn mineralization, meta quartzite, magnetite, chlpy, malachite.
HRT 20	1 m chip - skarn mineralization, malachite, chlpy, mag, hem?
HRT 21	Insitu - Skarn mineralization - As HRT 19/20
HRT 22	Insitu – mal, chlpy, azurite in limestone- meta dacite contact
HRT 23	Insitu - limonitic py/magnetite
HRT 25	Insitu - micro diorite to monzonite limonitic breccia
HRT 26	1 m chip - breccia
HRT 27	Float - monzonite breccia, manganese.

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
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30/06/99

Certificate of Analysis

of pages (not including this page): 2

Michael Glynn

WO# 05670

Certified by _____
John Reeve (Senior Chemist)

Date Received: 21/06/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	32	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh
s	21	soil	Screen -80 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au	ppb	Gold	G: FA/AAS	15g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry
FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

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30/06/99 Certificate of Analysis

Michael Glynn WO# 05670

Certified by

	Sample #	Au ppb
s	HMS-02	15
s	HMS-03	15
s	HMS-04	7
s	HMS-05	8
s	HMS-07	9
s	HMS-08	8
s	HMS-09	7
s	HMS-12	7
s	HMS-14	11
s	HMS-15	12
s	HMS-16	26
s	HST-01	20
s	HST-04	52
s	HST-06	167
s	HST-07	13
s	HST-09	17
s	HST-11	<5
s	HST-14	19
s	HST-15	42
s	HST-17	10
s	HST-24	15
r	HRT-02	234
r	HRT-03	6
r	HRT-05	45
r	HRT-08	5
r	HRT-10	34
r	HRT-12	7
r	HRT-13	17
r	HRT-16	20
r	HRT-17	12

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Michael Glynn

WO# 05670

Certified by

	Sample #	Au ppb
r	HRT-18	9
r	HRT-19	694
r	HRT-20	1029
r	HRT-21	240
r	HRT-22	577
r	HRT-23	34
r	HRT-25	38
r	HRT-26	15
r	HRT-27	9
r	HMR-01	6
r	HMR-06	<5
r	HMR-10	<5
r	HMR-11	<5
r	HMR-13	<5
r	HMR-19	715
r	HMR-20	580
r	HMR-21	92
r	HMR-22	25
r	HMR-23	38
r	HMR-24	25
r	HMR-25	80
r	HMR-26	<5
r	HMR-27	6

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Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

18/10/99 Certificate of Analysis

Michael Glynn WO# 00024

Certified by

	Sample #	Au ppb
r	HMR-28	9
r	HMR-29	7

CERTIFICATE OF ANALYSIS
iPL 99F0539

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

Northern Analytical Laboratories
Project : W.O. 05670
Shipper : Norm Smith
Shipment: PO#: 054593
Analysis:
ICP(AqR)30

Comment: Michael Glynn

53 Samples Out: Jul 06, 1999 In: Jun 29, 1999 [053909:45:41:99070699]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	53	Pulp	Pulp received as it is, no sample prep.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Document Distribution

1 Northern Analytical Laboratories
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YT Y1A 2Z7
Canada
Att Norm Smith
Ph·867/668-4968
Fx:867/668-4890
Em:NAL@hypertech.yk.ca

EN	RT	CC	IN	FX
1	2	1	1	0

DL	3D	EM	BT	BL
0	0	0	0	0

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals 1=Copy 1=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C030901
* Our liability is limited solely to the analytical cost of these analyses

BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 99F0539

INTERNATIONAL PLASMA LABORATORY LTD
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Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05670

53 Samples
53=Pulp

[053909:45:41:99070699]

Out: Jul 06, 1999
In : Jun 29, 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 %
HMS - 02	P	0.4	890	68	159	105	<	<	4	<	<	11.1	203	286	116	<	34	57	1062	13	33	3	8	0.10	3.74	1.06	7.33	0.66	0.10	0.04	0.10
HMS - 03	P	0.1	265	16	70	47	<	<	3	<	<	5.2	34	47	139	<	34	58	512	15	46	2	5	0.08	1.57	1.21	3.98	0.82	0.10	0.04	0.07
HMS - 04	P	<	172	12	44	41	<	<	2	<	<	2.9	14	34	186	<	38	70	345	18	27	1	4	0.11	1.57	0.60	2.71	0.64	0.13	0.04	0.10
HMS - 05	P	<	182	12	50	56	<	<	3	<	<	3.8	16	34	189	<	42	83	422	16	35	2	5	0.15	2.03	0.67	3.10	0.79	0.12	0.04	0.09
HMS - 07	P	0.1	86	22	46	58	<	<	6	<	<	5.1	15	25	113	<	29	131	252	10	23	2	4	0.12	2.45	0.34	4.33	0.57	0.07	0.02	0.04
HMS - 08	P	<	101	9	56	28	<	<	2	<	<	2.8	10	16	390	5	18	41	409	23	28	4	5	0.05	0.97	0.62	2.38	0.34	0.11	0.03	0.11
HMS - 09	P	<	45	17	42	50	<	<	3	<	<	2.8	10	19	136	<	31	81	240	11	25	2	4	0.13	1.96	0.38	2.77	0.47	0.08	0.02	0.04
HMS - 12	P	<	93	11	52	61	<	<	4	<	<	3.8	14	24	152	5	37	78	317	11	26	2	4	0.13	2.27	0.46	3.09	0.63	0.11	0.03	0.05
HMS - 14	P	1.2	1690	17	109	44	6	<	29	<	<	6.5	18	43	248	9	39	100	493	17	63	2	10	0.06	1.53	1.29	5.13	0.66	0.12	0.03	0.11
HMS - 15	P	1.4	1616	18	109	43	<	<	38	<	<	6.4	27	69	270	<	60	100	755	32	47	1	10	0.05	1.62	1.22	4.99	0.69	0.16	0.02	0.24
HMS - 16	P	0.2	170	25	68	81	<	<	7	<	<	4.4	19	44	203	5	19	41	1010	16	43	1	5	0.01	0.80	1.87	4.02	0.40	0.16	0.01	0.06
HST - 01	P	0.3	71	54	192	123	<	<	6	<	<	5.2	22	71	73	11	13	20	794	10	165	2	7	<	0.48	9.17	3.02	0.65	0.14	0.01	0.09
HST - 04	P	2.5	2261	31	132	154	43	<	6	<	<	10.7	136	273	143	<	447	61	931	11	36	3	6	0.08	2.02	1.47	6.92	1.90	0.15	0.03	0.07
HST - 06	P	2 7	307	143	608	456	29	<	8	<	<	17.8	41	167	143	7	20	77	2296	8	85	3	12	<	0.90	3.81	10%	0.91	0.14	0.02	0.09
HST - 07	P	1.3	506	141	405	304	10	<	9	<	4	12.5	65	64	474	<	34	80	972	30	58	3	11	0.04	1.58	1.12	7.90	0.79	0.22	0.03	0.08
HST - 09	P	0.5	318	25	43	14	<	<	7	<	<	8.6	29	38	250	<	30	65	370	13	50	4	4	0.09	1.34	0.40	8.37	0.44	0.15	0.07	0.06
HST - 11	P	0.1	175	11	48	63	<	<	5	<	<	4.4	15	31	128	<	39	78	328	15	19	1	4	0.08	2.12	0.33	3.45	0.60	0.11	0.02	0.04
HST - 14	P	0.1	202	18	78	113	<	<	13	<	<	5.8	32	166	267	8	63	60	943	11	152	1	14	0.01	0.89	2.81	4.95	0.94	0.19	0.02	0.11
HST - 15	P	0.2	482	14	78	317	<	<	4	<	<	9.2	39	83	418	<	46	152	654	19	67	2	10	0.24	2.81	1.45	6.51	1.46	0.35	0.06	0.23
HST - 17	P	<	106	11	57	27	<	<	3	<	<	3.1	12	22	100	<	31	54	285	11	33	2	3	0.08	1.07	0.92	2.46	0.60	0.10	0.03	0.08
HST - 24	P	<	128	13	88	38	<	<	3	<	<	4.2	15	39	143	<	39	50	533	13	36	1	5	0.07	1.14	1.24	3.36	0.61	0.16	0.03	0.12
HRT - 02	P	0.3	130	20	38	49	<	<	3	<	<	4.7	20	68	67	<	42	18	496	5	115	2	1	0.03	0.82	8.67	2.94	1.39	0.11	0.02	0.05
HRT - 03	P	<	134	13	29	33	<	<	4	<	<	2.5	55	70	28	<	226	27	168	4	32	1	2	0.07	0.75	1.16	2.36	0.76	0.06	0.06	0.12
HRT - 05	P	0.5	29	19	42	<	<	<	2	<	<	2.6	7	11	799	<	85	11	683	14	102	1	6	<	0.27	4.36	2.30	0.89	0.16	0.01	0.05
HRT - 08	P	0.1	100	43	103	<	<	<	<	<	<	30.9	19	45	365	<	46	43	1909	<	77	8	<	0.01	0.22	0.44	19%	4.61	0.04	0.01	0.04
HRT - 10	P	1.7	841	10	87	50	224	<	4	<	<	4.6	8	11	37	<	77	19	1592	<	214	1	<	<	0.05	14%	4.04	3.99	0.02	0.01	0.06
HRT - 12	P	0.2	178	21	91	13	<	<	21	<	<	7.8	20	75	248	6	74	75	1201	13	214	4	12	<	0.52	8.97	5.23	1.42	0.12	0.01	0.15
HRT - 13	P	<	25	14	29	455	6	<	7	<	<	3.9	24	383	71	<	217	30	1025	3	576	1	7	<	0.16	11%	3.69	3.63	0.07	0.01	0.01
HRT - 16	P	2.0	681	14	22	30	<	<	2	<	<	6.4	65	39	14	14	32	13	229	<	11	2	<	<	0.10	1.27	6.40	0.15	0.02	0.01	0.02
HRT - 17	P	0.9	88	4	8	<	<	<	1	<	<	2.4	3	8	7	<	30	5	101	<	6	1	<	<	0.04	0.74	2.67	0.14	0.02	0.01	0.01
HRT - 18	P	0.4	141	20	19	<	<	<	1	<	<	3.2	7	12	17	<	52	30	87	<	10	2	4	0.07	0.30	0.45	3.46	0.31	0.05	0.04	0.02
HRT - 19	P	22.0	11517	7	348	23	<	<	6	<	53	4.8	55	17	20	26	48	31	751	7	71	3	5	0.03	0.93	14%	2.91	0.75	0.08	0.01	0.07
HRT - 20	P	0.1m	2.5%	14	460	<	<	<	<	<	<	12.2	59	16	30	242	20	15	316	2	16	3	<	<	0.15	3.01	9.39	0.36	0.02	0.01	0.04
HRT - 21	P	15.2	4416	7	143	42	<	<	10	<	11	3.5	11	8	142	320	18	6	183	<	21	1	1	<	0.05	2.53	3.17	0.66	0.02	0.01	0.01
HRT - 22	P	39.0	17141	17	444	<	<	<	35	<	<	10.4	91	100	18	22	17	12	439	4	15	2	1	0.01	0.12	2.26	6.76	0.81	0.01	0.01	0.03
HRT - 23	P	1 2	1603	23	62	<	<	<	1	<	<	16.1	14	24	20	<	38	42	262	<	5	5	1	0.04	0.30	0.49	14%	0.23	0.04	0.02	0.03
HRT - 25	P	13.8	10911	148	379	183	507	<	212	<	<	15.8	23	23	203	132	74	31	1731	3	91	3	2	<	0.23	10%	8.17	1.50	0.04	0.01	0.01
HRT - 26	P	0.4	219	8	70	74	12	<	9	<	<	2.6	4	13	29	<	119	10	596	<	105	1	1	<	0.10	4.57	2.26	1.22	0.03	0.01	0.01
HRT - 27	P	0.4	217	23	194	77	<	<	7	<	<	16.0	22	58	45	6	78	63	1420	3	26	5	7	<	0.29	2.17	12%	0.42	0.05	0.02	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 99F0539

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. 05670

53 Samples
53=Pulp

[053909:45:41:99070699]

Out: Jul 06, 1999
In : Jun 29, 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 %
HMR - 01	P	<	60	6	16	12	<	<	3	<	<	2.3	13	18	112	5	91	17	650	3	52	4	1	0.03	0.49	12%	3.11	0.11	0.03	0.02	0.03
HMR - 06	P	<	38	4	22	15	<	<	1	<	<	2.1	10	16	321	<	136	62	280	9	21	2	3	0.10	0.71	0.59	2.35	0.55	0.26	0.07	0.07
HMR - 10	P	<	87	6	35	15	<	<	3	<	<	3.1	4	8	16	<	48	69	347	12	263	1	9	<	0.53	8.34	1.24	2.38	0.05	0.01	0.18
HMR - 11	P	<	111	6	62	16	<	<	4	<	<	4.3	18	15	178	<	73	168	484	23	53	3	4	0.18	0.98	0.95	3.89	0.65	0.52	0.11	0.23
HMR - 13	P	<	52	68	45	<	<	<	4	<	<	6.5	5	18	71	<	73	25	1327	2	478	1	2	<	0.18	13%	5.20	3.77	0.09	0.01	0.02
HMR - 19	P	24.0	18511	5	428	<	<	<	2	<	<	6.9	73	23	29	91	31	6	664	<	52	1	<	<	0.15	10%	3.20	0.54	0.02	0.01	0.03
HMR - 20	P	17.5	14036	3	275	<	<	<	11	<	<	5.2	46	22	15	23	24	7	522	<	65	1	<	<	0.22	14%	3.55	2.66	0.02	0.01	0.03
HMR - 21	P	10.3	7250	6	142	13	<	<	14	<	<	11.5	24	18	41	5	66	27	1466	<	8	6	1	0.01	1.37	11%	6.73	0.28	0.02	0.01	0.02
HMR - 22	P	1.2	477	45	149	136	38	<	9	<	31	7.4	21	49	155	5	95	17	1788	<	82	2	2	<	0.09	7.86	5.36	1.16	0.04	0.01	0.01
HMR - 23	P	0.2	164	24	61	147	<	<	8	<	<	4.8	5	20	46	<	59	13	1156	2	144	1	2	<	0.07	12%	3.73	3.85	0.03	0.01	0.01
HMR - 24	P	<	44	822	57	34	131	<	5	<	<	4.4	8	16	1046	<	77	16	1208	2	327	3	2	<	0.13	13%	3.82	4.04	0.08	0.01	0.02
HMR - 25	P	1.0	472	32	73	450	<	<	18	<	<	16.8	29	41	101	<	60	57	1149	<	34	8	3	<	0.18	2.41	13%	0.71	0.03	0.01	0.03
HMR - 26	P	<	67	18	91	9	<	<	3	<	<	4.8	18	33	357	<	64	23	820	14	109	5	8	<	0.35	5.14	3.66	1.45	0.22	0.02	0.13
HMR - 27	P	<	26	12	71	10	<	<	4	<	<	4.0	6	13	1032	9	115	16	910	4	252	2	2	<	0.10	7.95	2.99	2.58	0.05	0.01	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 99J1029

INTERNATIONAL PLASMA LABORATORY LTD
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Client : Northern Analytical Laboratories
Project: WO#00024

2 Samples
2=Pulp

[102914:59:44:99102799]

Out: Oct 27, 1999
In : Oct 25, 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 %
HMR-28	P	<	4	9	35	25	<	<	2	<	<	<	12	35	25	<	50	40	445	12	34	7	7	<	0.34	1.80	2.52	0.27	0.05	0.01	0.07
HMR-29	P	0.1	1	4	15	<	<	<	1	<	<	<	1	3	2	<	26	3	664	<	3	2	<	0.01	0.20	2.53	2.32	0.04	<	0.02	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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

km 58
Aishihik Road

UTM 397000E

UTM 398500E

UTM 6899000N

UTM 6897500N

HST01/20
HRT02/234
HRT08/5
HST04/52
HST17/10 (Sed)
HMR01/6
HMS02/15
HRT05/45
HST06/167
HST07/13
HMR19/715
HRT19/694
HMR20/580
HRT20/1029
HRT22/577
HMR21/92
HMS04/7
HMS05/8
HRT08/5
HST09/17
HMR06/<5
HMS07/9
HMS08/8
HRT10/34
HRT16/20
HMS16/26
HMR22/25
HMR23/38
HMR24/25
HST11/<5
HMR28/9
HMR29/7
HMR11/<5
HMR10/<5
HMS12/7
HMR27/6
HMR26/<5
HMR25/80
HMS14/11
HMR13/<5
HRT12/7
HRT13/17
HST14/19
HST15/42
HMS15/12

Approximate property boundary - Rise 1-8 claims

4400
4500
4600
4700
4800

N

Legend

HRT19/694 Sample No./Au ppb

× Rock sample location

○ Soil sample location

Creek

Pond or Lake

Elevation contour (interval 100 feet)

0 250 500
meters

Rise 1-8 Claims

Whitehorse M.D., Yukon

Sample Plan

NTS 115 H/07	Scale 1:10,000	
Jan. 2000	By MG/HJK	Fig. 3

km 58
Alshihik Road

UTM 397000E

UTM 398000E

UTM 6899000N

UTM 6897500N

4000

4700

4800

Approximate property boundary - Rise 1-8 claims

skarn

Chalcedony breccia in carbonate altered metasediments

N

Legend

+ Outcrop - intrusives

o Outcrop - metasediments

Creek

Pond or Lake

Elevation contour (interval 100 feet)

0 250 500
meters

Rise 1-8 Claims
Whitehorse M.D., Yukon

Geology

NTS 115 H/07	Scale 1:10,000	
Jan. 2000	By MG/HJK	Fig. 4