

REPORT ON THE 1998
ASSESSMENT WORK
ON THE BANANA PROPERTY

Whitehorse Mining District, Yukon Territory
NTS 105 D/11
May 19-Aug 12, 1998
Yukon Quartz Claims

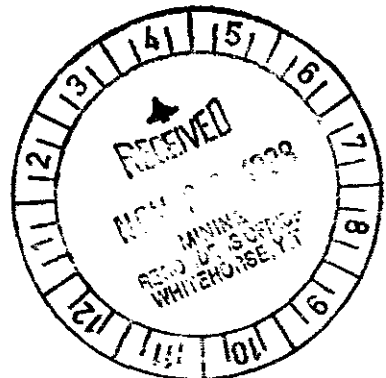
BA, PEEL, MARIE CLAIMS

For: Brian Scott
Box 66
Tagish, Yukon
Y0B 1T0

By: Joseph A. J. Clarke
Whitehorse, Yukon

November 5, 1998

003536



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 \$ 8900.00.

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

ASSESSMENT REPORT

1998

MARIE 1 - 4	YB37478 - YB37481
PEEL 1 - 22	YB66824 - YB66845
PEEL 24 - 31	YB66847 - YB66854
PEEL 36 - 37	YB66859 - YB66860

BA 1	YB66861
BA 2	YB66728
BA 3	YB66862
BA 4 - 8	YB66730 - YB66734
BA 9	YB66863
BA 10 - 13	YB66736 - YB66739
BA 14	YB66864

SUMMARY

Mr. Brian Scott's Banana Property consists of ~~50~~¹⁵⁵⁰ quartz mining claims located 15 kilometers southwest of Whitehorse, Yukon. It is accessible by Road from the City of Whitehorse.

Past exploration work has shown that the Property hosts high grade copper and gold mineralization in an actinolite skarn. A total of 1921 meters of diamond drilling has been performed on the property. Mineralization occurs along the contact between Mesozoic limestone and Eocene granodiorite. Potential exists for bulk tonnage, low grade gold mineralization.

Work completed by the claim holder in 1998 consisted of data compilation, ground orientation, re-sampling of previously discovered mineralization, reconnaissance prospecting, and soil sampling. Three rock samples taken in 1998 returned significant gold results. It is recommended that further work be performed on the Banana Property.

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INTRODUCTION

This report was prepared at the request of Mr. Brian Scott, owner of the Banana Property. It describes work done over the spring and summer of 1998 to satisfy assessment requirements under the Yukon Quartz Mining Act.

The Banana Property is located 15 kilometers west of Whitehorse and is accessible by road.

Work completed by Mr. Scott included prospecting, data compilation, rock sampling, soil geochemistry, and an orientation survey. This report describes work conducted between May 19 and 22 on which assessment was filed and work conducted between August 6 to 12. Total expenditures for 1998 were \$10,534.97.

LOCATION AND ACCESS

The Banana Property is located 15 kilometers southwest of the City of Whitehorse (Figure 1). The Property is accessible by a 4 wheel drive road leading past Louise and Franklin Lakes. Winter access may require the use of snowmobile if the road is unplowed.

The approximate geographical center of the Property is located at 60 41' N and 135 20' W.

PROPERTY

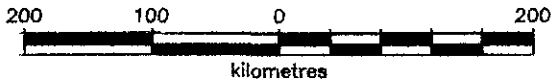
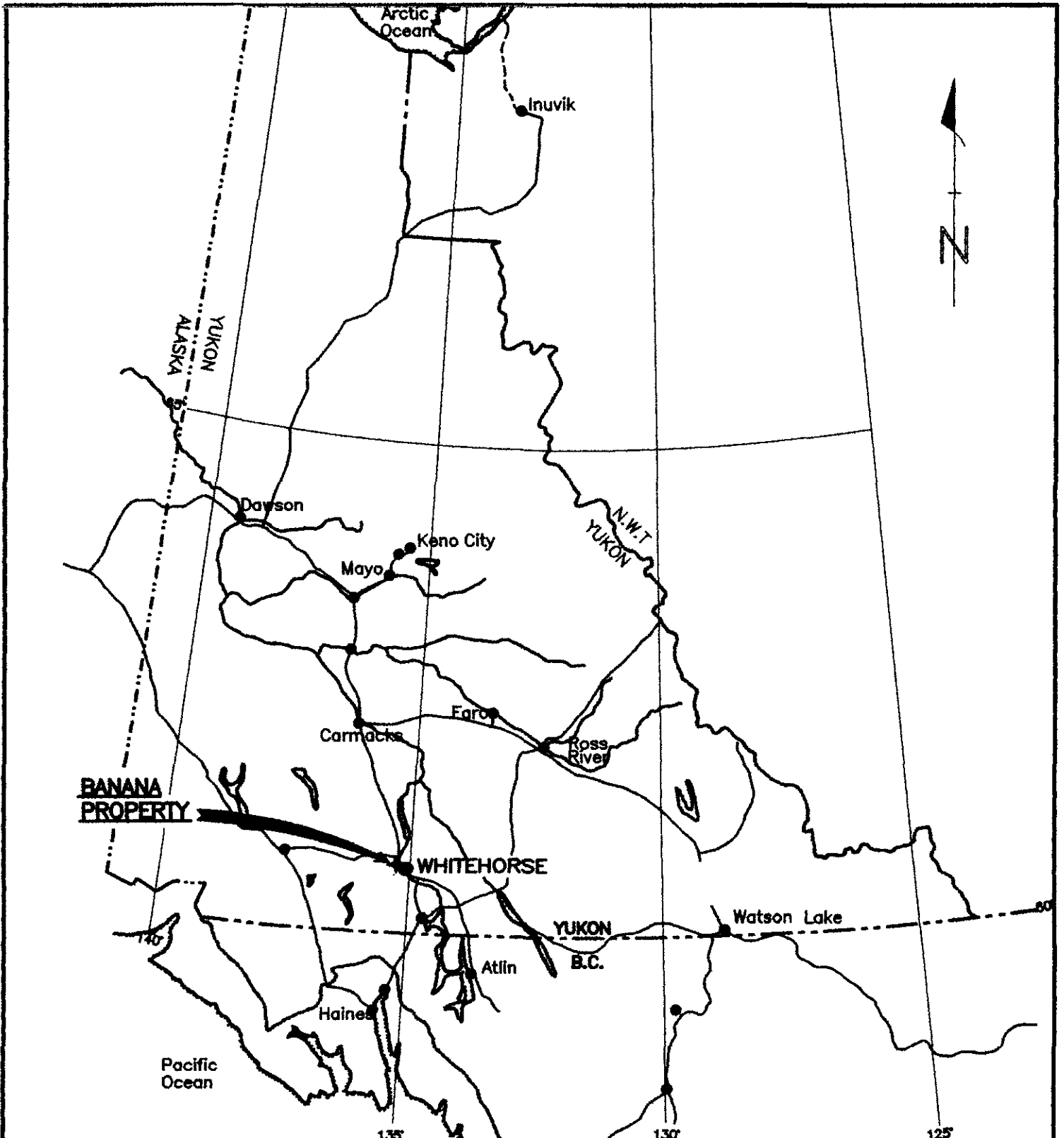
The Banana Property consist of ^{also} ~~50~~ contiguous quartz mining claims on map sheet 105 D/11. The claims are unsurveyed. A table listing the current claim data is found in the appendix of this report.

HISTORY

Copper mineralization was reported in the Whitehorse area by miners traveling to the Klondike in 1897. Mr. Jack McIntyre staked the Copper King claim in 1898. Ore was first shipped from the Copper King in 1900. Prospecting in the area generated many mines including the; Arctic Chief, the Pueblo Mine, the Little Chief, War Eagle and others. Mining, milling, the shipping of copper ore continued till the 1980's. Total production from 1898 to 1982 was 10,130,000 tonnes grading 1.5% Cu. A significant amount of gold was also recovered from mining operations.

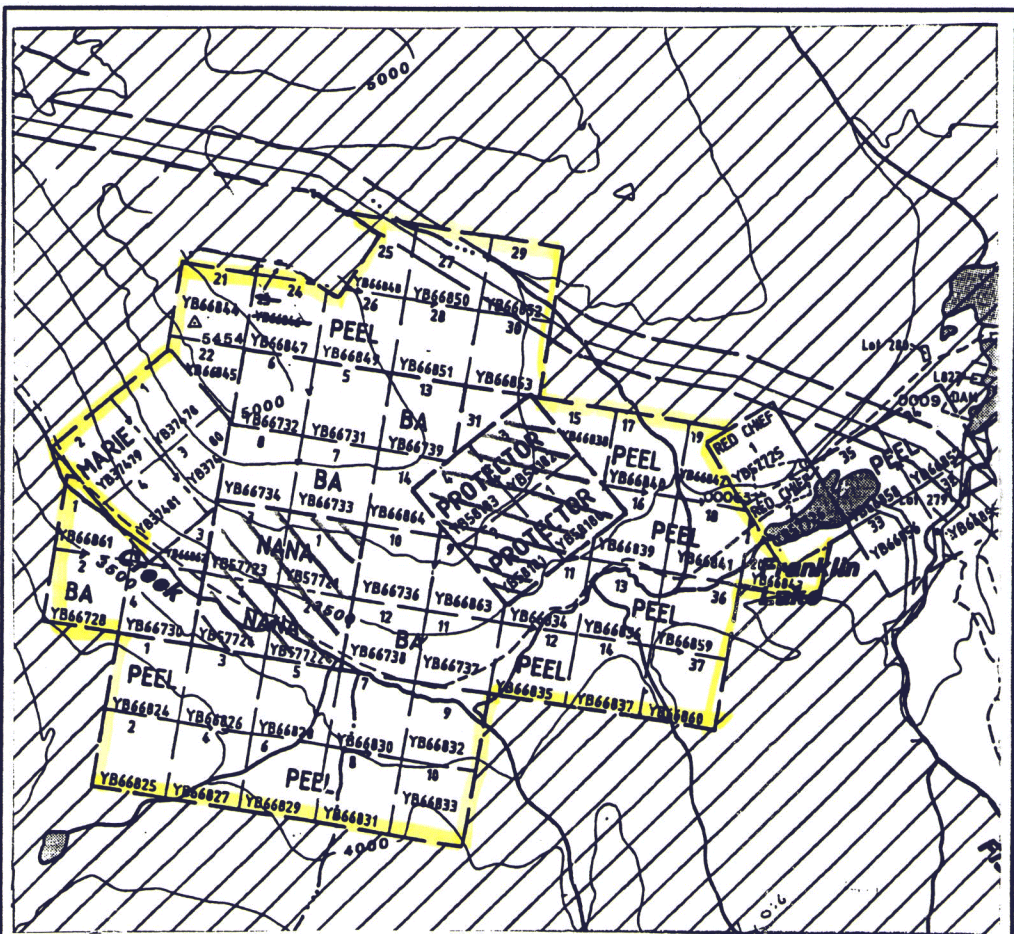
Property history is taken from Yukon Minfile 105D #076. The Banana Property occupy the ground formally staked as the Ruth Roy and other claims claims.

"Staked as Grouse, etc cl (Y63484) in Jul/70 by S. Takacs and E. Kreft, who added small blocks of fringe claims annually, including Gear cl (Y91133) in Sep/74. Explored with hand trenching and bulldozer trenching in 1970-72; with mapping, mag survey and 6 holes (445 m) by New Jersey Zinc (Grouse #4 and Ray #2 claims) under a brief option in 1972; and with more mapping, geochem surveys and bulldozer trenching in 1974, a magnetic survey and 6 holes (427 m) on the Gear claims in 1975 and 4 holes (472.4 m) in 1976 by Whitehorse Copper MI. under option. Takacs drilled one hole (34.7 m) in 1979, 6 holes (36.0 m) in 1981, trenched in 1982, drilled 3 holes (92.4 m) in 1983, trenched and drilled 3 holes (35 m) in 1984 and added the Raven cl (YA93376) to the south in Sep/85. Kreft tied on the Ruth (YA94118) and Beaver cl (YA93146) in Aug/85 and Jan/86, respectively, and together with Takacs performed geological mapping, bulldozer trenching and 4 drill holes (455 m) on the Ruth cl. A. Olsson staked Dianne cl (YB27625) in Jul/90 and trenched in 1991. S.J. Takacs restaked the occurrence as Marie 1-4 cl (YB37478) in Sep/92. The Falcon 1-10 cl (YB46474) were staked nearby by R. Voisine in Oct/93."

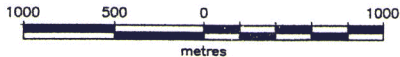


BRIAN SCOTT
 BANANA PROPERTY
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY

LOCATION MAP



Legend



- 15 CLAIM #
- YB66806 GRANT#

BRIAN SCOTT BANANA PROPERTY WHITEHORSE MINING DISTRICT, YUKON TERRITORY
CLAIM MAP

A total of 6303 feet of diamond drilling has been performed on the Property between 1972 and 1986. Results include; 20.1 feet @ 5.6% Cu, 7.9 opt Ag and 1.3 feet @ 2.55 opt Au, 5.8% Bi (Whitehorse Copper Mines, 1975,76), 4.3 feet @ 0.20 opt Au (M. Nichiporek, 1983).

PHYSIOGRAPHY

The Banana Property occupy the valley and the north side Jackson Creek. Elevation ranges from 4150' to 5000'. Outcrop exposure is approximately 25%.

The climate of the area varies from a high of +30C in the summer to lows of -40C during the winter. Typical are long hot summers (May to September) with up to 18 hours of daylight and moderate to harsh winters (October to April) with less than 7 hours of daylight.

Black spruce is the most common tree species in the area. These favor the NE side of valleys and are a common indicator of local permafrost. More exposed areas have a mixture of white and black spruce with occasional pine. In the most exposed areas aspen colonies are well established. Willows are abundant in the valleys and low areas. Wildlife in the area is typical of the Southern Yukon and includes moose, black and grizzly bear.

GEOLOGY and EXPLORATION

Geology

The Whitehorse Copper Belt is located in the Whitehorse Trough a subdivision of the Intermontane Belt. The Whitehorse Trough is a NW trending Island Arc Complex containing volcanic, clastic and carbonate rocks ranging from upper Paleozoic to Jurassic. Rocks of the Triassic Lewes River Group and lower Jurassic Laberge group are found in the Whitehorse Copper Belt. A Cretaceous quartz monzonite to granodiorite batholith intrudes to the west resulting in the significant copper skarn mineralization of the Whitehorse Copper Belt.

Property geology is taken from Keyser 1997;

“Exploration carried out on the Banana Property since 1970 has identified irregular calc-silicate and magnetite skarn developed along the intrusive contact between Lewes River Group carbonate rocks and Eocene granite and granodiorite. Skarn zones up to 30m thick have been identified at intrusive-carbonate, intrusive-silicate, and siltstone-carbonate contacts. Metallic minerals are dominated by chalcopyrite, magnetite, bornite, and pyrrhotite, with the best copper mineralization associated with actinolite-diopside-magnetite skarn.”

It should be noted that at elevations below 1200 meter outcrop exposure is rare or non-existent due to thick debris cover.

Geochemistry

A total of 34 rock and 25 soil samples were taken during the summer on 1998. A table of rock descriptions can be found at the back of this report. Significant gold mineralization was found in three rock grab samples located in the vicinity of the old workings. Samples JKR-98-7, 8, 8A returned 1296, 564, 1343 ppb gold. All samples contained >1% chalcopyrite or bornite with variable magnetite and actinolite. Some sulfides of bismuth may exist.

Soil sample lines run along EW claim lines with 50 meter spacing failed to return any significant gold or copper mineralization. Further soil sampling over a more detailed grid will be required to provide a statistically significant database.

Other Exploration Work

All claim posts were located and lathe and flagging was run along claim lines with chainages marked out in the field. This process also included reconnaissance prospecting and outcrop location. Several prospecting traverses were also made so that the overall lay of the land was known. An attempt was made to locate previous trenches and diamond drill holes and was in the most part successful. It should be noted that the property has been worked by various operators since discovery and claims have been staked, allowed to lapse then restaked. This leads to some confusion in the field when referencing past exploration work to lapsed claim posts. The owner of the claims feels that the orienteering survey conducted during 1998 will assist in obtaining greater accuracy in the collection of future field data.

CONCLUSIONS AND RECCOMENDATIONS

The Banana property lies within the Whitehorse Copper Belt and has historical copper and gold mineralization. Mineralization discovered to date on the Banana Property consists of both skarn and possible low grade-bulk tonnage gold and copper types. Significant gold results were returned from this years rock samples. Location and access of the Banana Property allow lower cost exploration. It is recommended that further work continue on the Banana Property. The following exploration work is recommended.

A compilation of all existing data should be produced in both a digital and paper form. This should include digitizing of existing maps and air photo interpretation. Field data on roads, drill holes, trenches and other geological and geochemical features should then be collected by either an electronic distance meter (EDM) survey instrument or by a handheld GPS with an averaging feature for <5m accuracy.

A 100 meter spaced picketed grid should be established and a trained geologist should be hired to produce a detailed map of the property at that scale. This grid could also be used for future geophysical survey. Soil geochemical sampling should be performed on lines between mineralized zones.

A small trailer mounted auger drill should be use to test over burden depths between significant drill holes and trenches. Material collected would also provide better soil geochemical material. Hand or mechanical trenching should also be performed to extend existing mineralized zones.

This data should then be added to existing digital compilation and reviewed to identify drill targets and areas requiring significant mechanical trenching.

Expenditures of \$15,000-\$25,000 would be required. A further \$50,000 to \$75,000 would cover a 500 meter drill program or machine time for significant mechanical trenching program.

REFERENCES

The Whitehorse Copper Belt: Mining, Exploration, and Geology (1967-1980)
by D. Tenny
DIAND Bulletin 1

The Whitehorse Copper Belt - A Compilation
Exploration and Geological Services Division-Yukon,
Indian and Northern Affairs, Canada,
Open File, 1:25000 scale map with marginal notes

Yukon Territory
Selected Field Reports of the GSC 1898 to 1933
Compiled and Annotated by H.S. Bostock
GSC Memoir 284

Report on the 1996 Geochemical Assessment Work on the Banana Property
Assessment Report by Harmen J. Keyser

Thanks also to conversations with the staff of Aurum Geological Consultants Inc., the staff of the Whitehorse MDA office, and many local prospectors.

STATEMENT OF QUALIFICATIONS

I, Joseph A. J. Clarke, of Marsh Lake Yukon Territory with mailing address of General Delivery, Whitehorse, Yukon hereby certify:

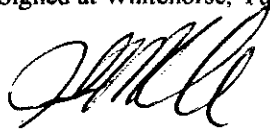
I am writing this report at the request of Mr. Brian Scott of Tagish, Yukon and have no direct or indirect interest in the Banana Property;

That I have graduated from the Haileybury School of Mines in 1985 with a diploma in Mining Engineering Technology;

That I have been engaged in prospecting in the Yukon on a full time basis since May of 1993 and have been engaged in prospecting and in the mineral industry for 12 years elsewhere in Canada;

That I have a commitment to prospect in a gentlemanly manner with respect for others who use the land.

Signed at Whitehorse, Yukon Territory on the 2 day of May, 1998 .



Joseph A. J. Clarke

STATEMENT OF COSTS

Banana Property, 1998	May 19-22	3.75 Days
	Item	Amount
Wages	B. Scott 3.75@\$200/day	\$ 750.00
	B. Carter 3.75@@\$200/day	\$ 750.00
Transportation	ATV - 3.75@\$150/day	\$ 562.50
	ATV - 3.75@\$150/day	\$ 562.50
	ATV Trailer - 4@\$50/day	\$ 200.00
	4x4 Truck 2 days@\$90/day	\$ 180.00
	4x4 Truck 2 days@\$90/day	\$ 180.00
Electronics/Equipement	Mobile Phone - 4 days@\$10/day	\$ 40.00
	Handheld GPS - 4 days@\$15/day	\$ 60.00
Camp Costs	Tent/gear etc. 4 days @\$25/day	\$ 100.00
Maps	Air Photos and shipping	\$ 149.48
Maps	Topo	\$ 9.50
Photocopy/Office		\$ 25.00
Food	3.75 days/2 persons	\$ 191.64
Fuel	gasoline	\$ 103.00
Misc	Flags, bags, lathe etc.	\$ 150.00
Assays	Rock BBS-9-3,9,11	\$ 67.41
	Rock BBS-1,2,5-7	\$ 134.82
Report		\$ 300.00
Total		\$ 4,515.85

Banana Property, 1998	Aug 6-12, 1998	\$ 7.00	Days
	Item	Amount	
Wages	B. Scott 7 days@\$200/day	\$ 1,400.00	
	B. Carter 7 days@\$200/day	\$ 1,400.00	
Transportation	ATV - 1 week@\$500/week	\$ 500.00	
	ATV - 1 week@\$500/week	\$ 500.00	
	4x4 Truck 2 days@\$90/day	\$ 180.00	
	4x4 Truck 3 days@\$90/day	\$ 270.00	
Electronics/Equipment	Mobile Phone - 1 week@\$35/week	\$ 35.00	
	Handheld GPS - 1 week@\$50/week	\$ 50.00	
	Chainsaw - 1 week@\$35/week	\$ 35.00	
	Generator (Honda) - 1 week@\$35/week	\$ 35.00	
Maps	Topo	\$ 9.50	
Photocopy/Office		\$ 25.00	
Food	7 days/2 persons	\$ 261.00	
Fuel	gasoline	\$ 108.00	
Misc	Flags, bags, lathe etc.	\$ 100.00	
Assays	Soil Samples-25	\$ 411.01	
	Rock JK series-25	\$ 404.46	
Report		\$ 300.00	
Total		\$ 6,023.97	

ASSAY RESULTS

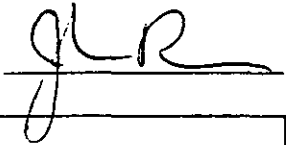
26/08/98

Certificate of Analysis

Page 1

Brian Scott

WO# 05575

Certified by 

Sample #	Au ppb	
r JKR-98-1F	610	float to 0.5% on only
r JKR-98-2	16	
r JKR-98-3	5	
r JKR-98-5	22	
r JKR-98-6	52	
r JKR-98-6A	12	
r JKR-98-7	1296	stream sample
r JKR-98-8	564	stream sample
r JKR-98-8A	1343	stream sample
r JKR-98-9	24	
r JKR-98-11	9	
r JKR-98-12	7	
r JKR-98-13	5	
r JKR-98-14	9	
r JKR-98-15	5	
r JKR-98-16	<5	
r JKR-98-17	5	
r JKR-98-18	<5	



CERTIFICATE OF ANALYSIS

iPL 98H0890

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

INTERNATIONAL PLASMA LABORATORY LTD.

Client: Northern Analytical Laboratories
Project: W0# 5575

21 Samples
21=Pulp

[089010:18:57:89090298]

Out: Sep 02, 1998
In: Aug 26, 1998

Page 1 of 1
Section 2 of 2

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
JKR-98-1F	3	52	<2	5	1	<1	<0.01	0.02	0.27	0.34	0.13	0.02	0.01	0.01
JKR-98-2	134	190	5	297	2	10	0.14	5.54	3.63	2.82	0.72	0.39	0.36	0.09
JKR-98-3	51	130	14	42	3	3	0.20	0.82	0.67	2.63	0.54	0.17	0.04	0.17
JKR-98-5	7	89	5	601	3	1	0.07	6.31	5.01	1.30	0.10	0.02	0.25	0.11
JKR-98-6	31	1675	4	553	10	2	0.05	1.44	13%	2.61	0.66	0.04	<0.01	0.05
JKR-98-6A	44	2276	4	810	8	3	0.04	2.93	17%	2.88	6.38	0.76	<0.01	0.10
JKR-98-7	26	2254	<2	342	8	1	0.03	0.79	13%	5.26	0.80	0.02	<0.01	0.07
JKR-98-8	20	1108	8	263	8	2	0.05	1.11	4.32	4.27	0.73	0.03	<0.01	0.08
JKR-98-8A	29	1549	3	160	11	2	0.04	1.12	6.61	6.51	0.95	0.01	<0.01	0.06
JKR-98-9	6	174	5	1581	4	2	0.02	0.13	21%	1.63	8.00	0.03	<0.01	0.04
JKR-98-11	4	227	4	988	3	<1	0.03	1.61	21%	1.00	3.21	0.10	0.01	0.01
JKR-98-12	15	159	4	278	4	1	0.08	4.14	6.08	1.56	0.18	0.09	0.18	0.11
JKR-98-13	13	60	3	488	4	1	0.13	5.59	4.11	1.26	0.15	0.07	0.69	0.07
JKR-98-14	4	258	<2	156	4	<1	0.02	2.68	1.96	3.15	0.75	0.03	0.07	0.07
JKR-98-15	17	96	3	338	5	1	0.12	4.05	3.13	1.05	0.22	0.11	0.35	0.08
JKR-98-16	8	93	5	335	4	1	0.08	4.19	3.09	2.87	0.12	0.07	0.55	0.11
JKR-98-17	8	100	5	351	4	1	0.09	3.39	2.76	1.51	0.14	0.08	0.38	0.12
JKR-98-18	5	87	2	199	4	<1	0.04	2.47	2.14	5.95	0.19	0.03	0.06	0.07
JM-98-2	30	649	<2	4	1	7	<0.01	0.46	0.04	4.37	15%	<0.01	<0.01	<0.01
JM-98-3	10	156	<2	7	4	<1	0.01	0.25	0.14	17%	0.13	<0.01	<0.01	0.01
JM-98-4	15	162	<2	6	4	<1	0.04	0.23	0.21	16%	0.16	<0.01	<0.01	0.02

Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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



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Client : Northern Analytical Laboratories
Project: WO# 5575

21 Samples
21=Pulp

[089010:18:57:89090298]

Out: Sep 02, 1998
In : Aug 26, 1998

Page 1 of 1
Section 1 of 2

Sample Name	Type	Au ppb	Pt ppb	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
JKR-98-1F	Pulp	—	—	0.1m	11771	14023	18450	586	0.6x	9	<1	<10	<2	1.1m	4	9	<2	<5	235
JKR-98-2	Pulp	—	—	8.7	137	243	174	186	46	<3	2	<10	<2	12.0	16	19	52	<5	86
JKR-98-3	Pulp	—	—	5.7	69	93	76	24	26	<3	3	<10	<2	7.4	11	6	131	<5	90
JKR-98-5	Pulp	—	—	3.2	84	84	35	579	7	<3	2	<10	<2	3.6	19	91	<2	<5	44
JKR-98-6	Pulp	—	—	15.5	798	109	3231	205	20	<3	2	41	148	38.1	24	20	110	<5	64
JKR-98-6A	Pulp	—	—	2.1	369	24	4463	580	20	<3	1	41	<2	33.7	15	33	1013	<5	41
JKR-98-7	Pulp	—	—	0.2m	19775	621	3.6x	120	8	<3	<1	102	820	0.4m	124	90	23	64	53
JKR-98-8	Pulp	—	—	60.5	14113	470	3.5x	199	16	<3	<1	54	186	0.4m	77	47	22	35	60
JKR-98-8A	Pulp	—	—	0.2m	2.0x	790	3.5x	159	15	<3	<1	112	947	0.4m	74	52	16	48	63
JKR-98-9	Pulp	—	—	5.3	560	36	1520	<5	<5	<3	5	<10	23	16.5	7	21	54	<5	12
JKR-98-11	Pulp	—	—	2.7	189	24	479	58	<5	<3	4	<10	6	5.4	7	7	133	<5	27
JKR-98-12	Pulp	—	—	1.2	132	57	201	141	<5	<3	2	12	<2	4.5	14	33	92	<5	51
JKR-98-13	Pulp	—	—	0.9	85	47	167	166	<5	<3	3	<10	<2	3.9	12	14	17	<5	32
JKR-98-14	Pulp	—	—	0.8	134	39	175	138	<5	<3	<1	30	<2	5.6	23	68	12	<5	18
JKR-98-15	Pulp	—	—	0.4	61	39	114	128	<5	<3	2	<10	<2	3.0	10	11	39	<5	35
JKR-98-16	Pulp	—	—	0.4	123	33	54	115	<5	<3	2	<10	<2	4.6	18	49	23	<5	40
JKR-98-17	Pulp	—	—	0.1	32	25	18	92	<5	<3	1	<10	<2	2.4	8	22	29	<5	37
JKR-98-18	Pulp	—	—	0.6	290	23	29	40	<5	<3	<1	41	<2	7.8	47	151	11	<5	27
JM-98-2	Pulp	<2	<15	0.5	29	17	45	17	13	<3	3	30	<2	5.5	92	1867	<2	<5	1087
JM-98-3	Pulp	4500	<15	2.7	5810	13	38	<5	<5	<3	<1	388	79	25.2	99	41	11	253	41
JM-98-4	Pulp	3600	<15	1.9	4087	14	31	<5	<5	<3	1	296	45	22.9	128	86	11	<5	49

Minimum Detection 2 15 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1
Maximum Detection 10000 10000 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000 10000 10000
Method FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP
—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

22/06/98

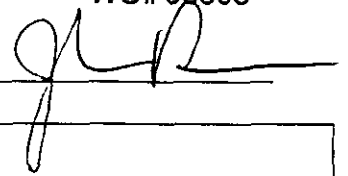
Assay Certificate

Page 1

Brian Carter

WO# 05505

Certified by



Sample #	Au ppb
BBS - 98 - 1	10
BBS - 98 - 2	15
BBS - 98 - 4	79
BBS - 98 - 5	10
BBS - 98 - 6	7
BBS - 98 - 7	43

PAID \$ 134.82





CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD.

Client: Northern Analytical Laboratories
Project: W0# 5575

21 Samples
21=Pulp

[089010:18:57:89090298]

Out: Sep 02, 1998
In: Aug 26, 1998

Page 1 of 1
Section 2 of 2

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
JKR-98-1F	3	52	<2	5	1	<1	<0.01	0.02	0.27	0.34	0.13	0.02	0.01	0.01
JKR-98-2	134	190	5	297	2	10	0.14	5.54	3.63	2.82	0.72	0.39	0.36	0.09
JKR-98-3	51	130	14	42	3	3	0.20	0.82	0.67	2.63	0.54	0.17	0.04	0.17
JKR-98-5	7	89	5	601	3	1	0.07	6.31	5.01	1.30	0.10	0.02	0.25	0.11
JKR-98-6	31	1675	4	553	10	2	0.05	1.44	13%	2.61	0.66	0.04	<0.01	0.05
JKR-98-6A	44	2276	4	810	8	3	0.04	2.93	17%	2.88	6.38	0.76	<0.01	0.10
JKR-98-7	26	2254	<2	342	8	1	0.03	0.79	13%	5.26	0.80	0.02	<0.01	0.07
JKR-98-8	20	1108	8	263	8	2	0.05	1.11	4.32	4.27	0.73	0.03	<0.01	0.08
JKR-98-8A	29	1549	3	160	11	2	0.04	1.12	6.61	6.51	0.95	0.01	<0.01	0.06
JKR-98-9	6	174	5	1581	4	2	0.02	0.13	21%	1.63	8.00	0.03	<0.01	0.04
JKR-98-11	4	227	4	988	3	<1	0.03	1.61	21%	1.00	3.21	0.10	0.01	0.01
JKR-98-12	15	159	4	278	4	1	0.08	4.14	6.08	1.56	0.18	0.09	0.18	0.11
JKR-98-13	13	60	3	488	4	1	0.13	5.59	4.11	1.26	0.15	0.07	0.69	0.07
JKR-98-14	4	258	<2	156	4	<1	0.02	2.68	1.96	3.15	0.75	0.03	0.07	0.07
JKR-98-15	17	96	3	338	5	1	0.12	4.05	3.13	1.05	0.22	0.11	0.35	0.08
JKR-98-16	8	93	5	335	4	1	0.08	4.19	3.09	2.87	0.12	0.07	0.55	0.11
JKR-98-17	8	100	5	351	4	1	0.09	3.39	2.76	1.51	0.14	0.08	0.38	0.12
JKR-98-18	5	87	2	199	4	<1	0.04	2.47	2.14	5.95	0.19	0.03	0.06	0.07
JM-98-2	30	649	<2	4	1	7	<0.01	0.46	0.04	4.37	15%	<0.01	<0.01	<0.01
JM-98-3	10	156	<2	7	4	<1	0.01	0.25	0.14	17%	0.13	<0.01	<0.01	0.01
JM-98-4	15	162	<2	6	4	<1	0.04	0.23	0.21	16%	0.16	<0.01	<0.01	0.02

Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 98H0890

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Client : Northern Analytical Laboratories
Project: WO# 5575

21 Samples
21=Pulp

[089010:18:57:89090298]

Out: Sep 02, 1998
In : Aug 26, 1998

Page 1 of 1
Section 1 of 2

Sample Name	Type	Au ppb	Pt ppb	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
JKR-98-1F	Pulp	—	—	0.1m	11771	14023	18450	586	0.6x	9	<1	<10	<2	1.1m	4	9	<2	<5	235
JKR-98-2	Pulp	—	—	8.7	137	243	174	186	46	<3	2	<10	<2	12.0	16	19	52	<5	86
JKR-98-3	Pulp	—	—	5.7	69	93	76	24	26	<3	3	<10	<2	7.4	11	6	131	<5	90
JKR-98-5	Pulp	—	—	3.2	84	84	35	579	7	<3	2	<10	<2	3.6	19	91	<2	<5	44
JKR-98-6	Pulp	—	—	15.5	798	109	3231	205	20	<3	2	41	148	38.1	24	20	110	<5	64
JKR-98-6A	Pulp	—	—	2.1	369	24	4463	580	20	<3	1	41	<2	33.7	15	33	1013	<5	41
JKR-98-7	Pulp	—	—	0.2m	19775	621	3.6x	120	8	<3	<1	102	820	0.4m	124	90	23	64	53
JKR-98-8	Pulp	—	—	60.5	14113	470	3.5x	199	16	<3	<1	54	186	0.4m	77	47	22	35	60
JKR-98-8A	Pulp	—	—	0.2m	2.0x	790	3.5x	159	15	<3	<1	112	947	0.4m	74	52	16	48	63
JKR-98-9	Pulp	—	—	5.3	560	36	1520	<5	<5	<3	5	<10	23	16.5	7	21	54	<5	12
JKR-98-11	Pulp	—	—	2.7	189	24	479	58	<5	<3	4	<10	6	5.4	7	7	133	<5	27
JKR-98-12	Pulp	—	—	1.2	132	57	201	141	<5	<3	2	12	<2	4.5	14	33	92	<5	51
JKR-98-13	Pulp	—	—	0.9	85	47	167	166	<5	<3	3	<10	<2	3.9	12	14	17	<5	32
JKR-98-14	Pulp	—	—	0.8	134	39	175	138	<5	<3	<1	30	<2	5.6	23	68	12	<5	18
JKR-98-15	Pulp	—	—	0.4	61	39	114	128	<5	<3	2	<10	<2	3.0	10	11	39	<5	35
JKR-98-16	Pulp	—	—	0.4	123	33	54	115	<5	<3	2	<10	<2	4.6	18	49	23	<5	40
JKR-98-17	Pulp	—	—	0.1	32	25	18	92	<5	<3	1	<10	<2	2.4	8	22	29	<5	37
JKR-98-18	Pulp	—	—	0.6	290	23	29	40	<5	<3	<1	41	<2	7.8	47	151	11	<5	27
JM-98-2	Pulp	<2	<15	0.5	29	17	45	17	13	<3	3	30	<2	5.5	92	1867	<2	<5	1087
JM-98-3	Pulp	4500	<15	2.7	5810	13	38	<5	<5	<3	<1	388	79	25.2	99	41	11	253	41
JM-98-4	Pulp	3600	<15	1.9	4087	14	31	<5	<5	<3	1	296	45	22.9	128	86	11	<5	49

Minimum Detection: 2 15 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1
 Maximum Detection: 10000 10000 100.0 20000 20000 20000 10000 1000 10000 1000 1000 10000 100.0 10000 10000 10000 1000 5 10000
 Method: FA/AAS FA/AAS ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP
 —=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD

Client : Northern Analytical Laboratories
 Project: WO#5505

6 Samples
 6=PuTp

[058613:34:06:89062598]

Out: Jun 25, 1998
 In : Jun 22, 1998

Page 1 of 1
 Section 1 of 1

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 %	Notes
BBS 98-1	P 0.9	116	44	255	141	<	<	2	<	<	3.9	14	13	40	<	35	33	265	5	825	2	2	0.07	8.73	6.32	2.80	0.74	0.06	0.68	0.10	
BBS 98-2	P 0.9	665	5	26	<	<	<	3	<	<	5.4	48	236	14	<	17	2	108	3	284	3	<	0.03	2.74	2.20	8.57	0.13	<	0.04	0.06	
BBS 98-4	P 19.1	9125	<	321	<	<	<	3	116	<	24.6	12	11	33	<	7	13	2547	<	13	8	<	0.01	0.18	0.32	22%	3.09	<	<	0.02	-79
BBS 98-5	P 2.7	1691	<	204	156	22	<	4	<	<	4.0	3	6	32	7	6	5	5930	<	42	4	<	0.01	0.42	0.99	4.36	18%	<	<	<	
BBS 98-6	P 4.0	2557	<	185	17	<	<	4	17	<	11.5	6	1	30	<	3	6	4083	<	28	5	<	0.01	0.34	0.59	14%	11%	<	<	<	
BBS 98-7	P 34.5	10884	<	292	<	<	<	4	<	<	19.0	11	21	24	<	9	30	1850	<	5	7	<	0.01	1.02	0.06	19%	3.52	<	<	0.01	

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 0.01

Max Reported* 99.9 20000 20000 20000 9999 999 99999 999 999 9999 99.9 9999 99999 99999 999 99999 99999 99999 99999 99999 99999 99999 99999 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00

Method ICP

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



CERTIFICATE OF ANALYSIS

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INTERNATIONAL PLASMA LABORATORY LTD

Client : Northern Analytical Laboratories
 Project: WO#5505

6 Samples
 6=PuTp

[058613:34:06:89062598]

Out: Jun 25, 1998
 In : Jun 22, 1998

Page 1 of 1
 Section 1 of 1

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 %	Notes
BBS 98-1	P 0.9	116	44	255	141	<	<	2	<	<	3.9	14	13	40	<	35	33	265	5	825	2	2	0.07	8.73	6.32	2.80	0.74	0.06	0.68	0.10	
BBS 98-2	P 0.9	665	5	26	<	<	<	3	<	<	5.4	48	236	14	<	17	2	108	3	284	3	<	0.03	2.74	2.20	8.57	0.13	<	0.04	0.06	
BBS 98-4	P 19.1	9125	<	321	<	<	<	3	116	<	24.6	12	11	33	<	7	13	2547	<	13	8	<	0.01	0.18	0.32	22%	3.09	<	<	0.02	-79
BBS 98-5	P 2.7	1691	<	204	156	22	<	4	<	<	4.0	3	6	32	7	6	5	5930	<	42	4	<	0.01	0.42	0.99	4.36	18%	<	<	<	
BBS 98-6	P 4.0	2557	<	185	17	<	<	4	17	<	11.5	6	1	30	<	3	6	4083	<	28	5	<	0.01	0.34	0.59	14%	11%	<	<	<	
BBS 98-7	P 34.5	10884	<	292	<	<	<	4	<	<	19.0	11	21	24	<	9	30	1850	<	5	7	<	0.01	1.02	0.06	19%	3.52	<	<	0.01	

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 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 9999 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

10/07/98

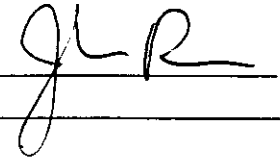
Assay Certificate

Page 1

Brian Carter

WO# 05524

Certified by



Sample #	Au ppb
BBS - 98 - 3	<5
BBS - 98 - 9	15
BBS - 98 - 11	60

Handwritten note: 100% BBS - 98 - 11



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 98G0675

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Client : Northern Analytical Laboratories
Project: W0# 5524

3 Samples
3=PuTp

[067516:56:04:89072098]

Out: Jul 20, 1998
In : Jul 13, 1998

Page 1 of 1
Section 1 of 1

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 %
BBS-98-03	P 0.1	46	10	31	28	<	<	2	<	<	<	15	5	54	<	57	61	130	8	183	1	1	0.10	2.61	1.95	3.22	0.26	0.11	0.36	0.16
BBS-98-09	P <	118	11	18	<	<	<	1	<	<	<	27	52	26	<	63	199	198	<	289	2	1	0.06	2.04	1.61	12%	0.48	0.05	0.04	0.07
BBS-98-11	P 2.4	99	192	60	37	<	<	4	<	43	<	4	5	76	<	32	35	3159	4	1289	2	1	0.02	1.65	16%	5.84	1.06	0.03	<	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 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 9999 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate% NS=No SampleP=Pulp

A9820127 - CERTIFIED

CLIENT : VICEROY EXPLORATION (CANADA) INC

of SAMPLES : 25

DATE RECEIVED : 26-AUG-98

PROJECT : "JACKSON LAKE

CERTIFICATE COMMENTS : "ATTN. RICK DIMENT"

: " "

SAMPLE	983	100	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	20	2132	2151	2134	2135	
DESCRIPTION	Au ppb	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm
JKS-98-1A	25	—	7.8	0.7	92	50 <5		20	0.43	1.5	20	9	1300	>15.00	<10	20	0.03 <10		0.33	3560	
JKS-98-1B	<5	—	<2	2.11	20	120 <5	<2		0.47 <5		13	38	27	2.65 <10	<10		0.1	10	0.75	390	
JKS-98-2	<5	—	<2	2.09	20	110 <5	<2		0.68 <5		13	41	27	2.57 <10	<10		0.14 <10		0.85	405	
JKS-98-3	<5	—	<2	1.4	16	130 <5	<2		3.48 <5		9	34	24	2.15 <10	<10		0.12	10	1.81	345	
JKS-98-4	<5	—	<2	1.91	20	90 <5	<2		0.57 <5		11	34	22	2.38 <10	<10		0.11	10	0.74	405	
JKS-98-5	<5	—		0.2	6	120	0.5 <2		0.84	2	10	28	38	2.13 <10		10	0.12 <10		0.6	485	
JKS-98-6	<5	—	<2	2.47	6	110 <5	<2		0.49 <5		12	50	23	2.55 <10	<10		0.09 <10		1.07	460 <1	
JKS-98-7	<5	—	<2	1.98	18	100 <5	<2		0.57 <5		11	40	25	2.39 <10	<10		0.09	10	0.81	340 <1	
JKS-98-8	<5	—	<2	2.87	28	140 <5	<2		0.58 <5		11	60	27	2.67 <10	<10		0.08 <10		1.08	370	
JKS-98-10	<5	—		0.2	10	80 <5	<2		0.66 <5		22	33	63	2.94 <10	<10		0.06 <10		0.41	755	
JKS-98-11	<5	—		0.2	8	50 <5	<2		1.18	0.5	25	28	56	2.56 <10	<10		0.04 <10		0.24	840	
JKS-98-12	<5	—		0.2	16	10 <5	<2		2.68 <5		20	11	106	2.34 <10	<10		0.04 <10		0.11	200	
JKS-98-13	<5	—	<2	1.81	6	80 <5	<2		0.5 <5		13	24	39	1.85 <10	<10		0.04	10	0.46	300	
JKS-98-14	<5	—		0.6	18	110	0.5 <2		4.37 <5		19	168	163	2.1 <10		50	0.08 <10		1.67	275 <1	
JKS-98-15	<5	—	<2	1.66	8	130 <5	<2		0.6 <5		8	28	17	1.97 <10	<10		0.12	10	0.54	390	
JKS-98-16	<5	—	<2	1.75	12	130	0.5 <2		0.84	0.5	17	30	68	2.62 <10	<10		0.12	10	0.51	1055	
JKS-98-17	<5	—		0.2	8	80 <5	<2		9.78 <5		6	38	24	1.8 <10		30	0.08 <10		2.21	285	
JKS-98-18	<5	—	<2	1.24	4	80 <5	<2		0.36 <5		6	23	8	1.83 <10	<10		0.08 <10		0.45	220 <1	
JKS-98-19	<5	—	<2	1.44	2	110 <5	<2		0.73 <5		7	27	10	1.85 <10	<10		0.07 <10	10	0.51	220	
JKS-98-20	10	—	<2	1.39	2	90 <5	<2		0.32 <5		6	23	8	2.03 <10	<10		0.07 <10		0.39	235	
JKS-98-21	5	—	<2	1.22	6	110 <5	<2		0.71 <5		8	27	29	1.75 <10	<10	10	0.06	10	0.48	445 <1	
JKS-98-22	<5	—	<2	1.47	10	80 <5	<2		0.32 <5		6	23	9	1.95 <10	<10		0.04 <10		0.4	235	
JKS-98-23	<5	—	<2	1.45	8	90 <5	<2		0.65 <5		6	26	11	1.87 <10	<10		0.05	10	0.49	200	
JKS-98-24	<5	—	<2	1.61	2	130 <5	<2		0.39 <5		6	27	10	1.95 <10	<10		0.05 <10		0.5	220	
JKS-98-25	<5	—	<2	1.85	4	120 <5	<2		0.35 <5		7	30	10	2.1 <10	<10		0.04 <10		0.46	180 <1	

	2126	2150	2130	20	2132	2151	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149
Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	
ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
1300	>15.00	<10		20	0.03 <10		0.33	3580	2 <.01		2	140	38 <2		1	38	0.02 <10	<10		27	10	150
27	2.85 <10	<10			0.1	10	0.75	390	1	0.01	27	330	10 <2		4	43	0.12 <10	<10		67 <10		76
27	2.57 <10	<10			0.14 <10		0.85	405	3	0.03	29	830	16 <2		4	44	0.12 <10	<10		64 <10		74
24	2.15 <10	<10			0.12	10	1.81	345	3	0.04	17	750	12	2	3	230	0.1 <10	<10		56 <10		52
22	2.38 <10	<10			0.11	10	0.74	405	1	0.02	22	480	10	2	4	56	0.11 <10	<10		82 <10		48
38	2.13 <10	<10		10	0.12 <10		0.6	485	2	0.03	23	860	28 <2		3	45	0.07 <10	<10		44 <10		230
23	2.55 <10	<10			0.09 <10		1.07	480 <1		0.03	28	400	10 <2		5	49	0.11 <10	<10		63 <10		62
25	2.39 <10	<10			0.09	10	0.81	340 <1		0.03	25	370	12 <2		4	44	0.11 <10	<10		59 <10		54
27	2.67 <10	<10			0.08 <10		1.08	370	3	0.01	29	390	10 <2		5	80	0.11 <10	<10		98 <10		70
63	2.94 <10	<10			0.06 <10		0.41	755	1	0.03	56	400	18 <2		4	42	0.11 <10	<10		44 <10		132
56	2.56 <10	<10			0.04 <10		0.24	840	3	0.06	79	500	16 <2		3	85	0.11 <10	<10		31 <10		86
106	2.34 <10	<10			0.04 <10		0.11	200	2	0.06	78	920	14 <2		1	73	0.11 <10	<10		13 <10		24
39	1.85 <10	<10			0.04	10	0.46	300	1	0.01	29	180	8 <2		3	37	0.08 <10	<10		41 <10		82
163	2.1 <10	<10		50	0.08 <10		1.67	275 <1		0.09	137	1150	16	2	3	246	0.08 <10	<10		52 <10		70
17	1.97 <10	<10			0.12	10	0.54	390	1	0.01	19	410	12 <2		3	40	0.08 <10	<10		42 <10		50
68	2.62 <10	<10			0.12	10	0.51	1055	1	0.01	33	390	12 <2		3	37	0.08 <10	<10		48 <10		80
24	1.8 <10	<10		30	0.08 <10		2.21	265	1	0.01	15	560	10 <2		2	448	0.04 <10	<10		55 <10		40
8	1.83 <10	<10			0.08 <10		0.45	220 <1		0.01	11	170	8 <2		3	28	0.09 <10	<10		41 <10		56
10	1.85 <10	<10			0.07	10	0.51	220	1	0.01	13	250	10	2	3	60	0.09 <10	<10		41 <10		32
8	2.03 <10	<10			0.07 <10		0.39	235	1	0.01	11	170	10 <2		2	24	0.07 <10	<10		44 <10		32
29	1.75 <10	<10		10	0.06	10	0.48	445 <1		0.01	15	380	8 <2		3	50	0.07 <10	<10		36 <10		44
9	1.85 <10	<10			0.04 <10		0.4	235	1	0.01	12	180	8 <2		2	20	0.08 <10	<10		43 <10		30
11	1.87 <10	<10			0.05	10	0.48	200	1	0.01	14	180	8 <2		3	27	0.08 <10	<10		39 <10		32
10	1.95 <10	<10			0.05 <10		0.5	220	1	0.01	16	180	8 <2		3	27	0.08 <10	<10		44 <10		32
10	2.1 <10	<10			0.04 <10		0.48	180 <1		0.01	16	150	8 <2		3	23	0.1 <10	<10		51 <10		32

SOILS .

SAMPLE DESCRIPTIONS

BEST ATTAINABLE
IMAGE

BBS-98 ROCK SAMPLES JACKSON LAKE AREA

D.O. INDICATE ROCK CLASSIFICATION BY DENISE OUELLETTE.

		ASSAY
BBS-98-1	- DISSEMINATED SULPHIDES (PYRITE & PYRRHOTITE) - BLEBS OF MAGNETITE	YES
<u>D.O.</u>	FINE GRAINED SILICIOUS ^{ALTERED} ARGILLITE.	
BBS-98-2	SAME AS ABOVE ONLY FINE GRAINS OF DISSEMINATED LESS THAN 5% CALCO. P.O. COULD ALSO BE HORNFELLOR TUFF.	YES
BBS-98-3	<u>D.O.</u> ALTERED DIORITE. - 5 to 8% SULPHIDES - 1% CALCO.	YES
BBS-98-4	<u>D.O.</u> MAGNETITE SKARN: 1. MASSIVE MAGNETITE. 2. MALACHITE STAINING. 3. 1% CALCO & BORNITE	YES
BBS-98-5	<u>D.O.</u> CHORITE, ACTINOLITE SKARN. (SHOWS LATE STAGE. CALCOPHYTE, BORNITE, EPIDOTE COATING ON FRACTURE SURFACES. 1. MAGNETITE, 2. MALACHITE STAINING! 3. LESS THAN 1% CALCO. 4. SMALL GARNETS.	YES
BBS-98-6	SAME AS BBS-98-4. MASSIVE MAGNETITE SKARN	YES
BBS-98-7	SAME AS BBS-98-4. MASSIVE MAGNETITE SKARN.	

ASSAY

NO

19
 ✓ BBS-98-8 D.O. Chertic skarn. (shows chertic alteration + some magnetite.
 COMMENTS: Large rock found by B. Scott. on cat road. where it dead ended on west slope.

YES

BBS-98-9 D.O. Chertic Actinolite skarn. (shows late stage epidote pyrite over print. (magnetite, garnet, epidote, chlorite, + pyrite).

BBS-98-10 SAMPLE FROM BLUE FLAGGED AREA ON CAT ROAD.

YES

D.O. Hornfels: 5% sulphides (pyrrhotite + pyrite) blebs + disseminated 5% calc. c.

BBS-98-11

D.O. Calcic assemblage skarn: pyrite and minor pyrrhotite.

YES

BEST ASSAY SAMPLE ✓

6

JKR-98. SAMPLES JACKSON LAKE AREA.
 Plot. LOCATIONS WITH BRIAN BEFORE WE FORGET.

ASSAY.
 ①

JKR-98-5. TALKAS-

FINE GRAINED, NO FIZZ WITH ACID (SALICIOUS). FRACTURED.
 SULFIDES. 1. PYRRHOTITE (MAGNETIC) BLEBS & RESEMINATED.
 2. PYRITE RESEMINATED $\approx 1\%$
 3. CaCO₃ $> 1\%$.

YES.

POSSIBLE ? Cu_2S { CHALCOSINE, SOFT BLEBS, STREAK BLACK }
 { DARK LEAD GRAY TO TARNISH BLACK }
 { 3. CHALCOPRITE OR SILVER ELEMENT. ASSAYS MAY PROVE THIS. }
 Rock ? ———— cherty, silicious, FRACTURED, HARDER THAN KNIFE.

JKR-98-6. FINE SUGARY GRAINED TEXTURE. (FIZZ WITH ACID CALCITIC)
 SOME QUARTZ. MALACHITE & CaCO₃ $> 1\%$.
 EPIDOTE (GREENISH), (? LIGHT GREEN YELLOWISH GARNETS)

YES.

②

Rusty sulphides $\approx 1\%$ malachite
 2. $> 1\%$ black, to peacock blue BORNITE.
 ? $\approx 3\%$ Black METALLIC MINERAL PLUSHY to TARNISH.
 { 3. BORNITE OR SILVER ELEMENT. ASSAYS MAY PROVE THIS }
 Rock: SCARN.

JKR-98-6A CHALCITIC SKARN (FIZZ WITH ACID)
 5% Black MAGNETITE, SPECKS OF MALACHITE.
 GREEN ACTINOLITE, SMALL DARK YELLOW GARNETS.

YES

③

POSSIBLE ? { RADIATING FINE CRYSTALS (soft), RUSTY DARK BROWN TO GREEN }
 { CU PRITE (Cu₂O) CRYSTALS. }
 SULPHIDES $> 1\%$ BORNITE.
 $> 1\%$ CaCO₃.

JKR-98-10)

ASSAY.

JKR-98-11 Poorly formed matrix (more or less altered limestone) YES. (8)

- Sulphides 1% 2% Pyrrhotite.
- 2% Pyrite
- Black glassy mineral.

JKR-98-12 - HARD FINE GRAINED; MINOR FIZZ WITH ACID ^{SOME} CALCO mostly silica. YES (7)

- VERY SMALL DISSEMINATED SULPHIDES.
- LARGE BLEDGS OF SULPHIDE NO MAGNETIC (PYRITE)
- 2% ARCO & BORNITE.
- FEW BLEDGS OF PYRRHOTITE (MAGNETIC)

SHOWS SOME FRACTURING & REHEALING.

Rock { Silicious (SCARNING) }
 { ~~ALTERED~~ AGGILLITE! }

JKR-98-13 SAME AS ABOVE. JKR-98-12. YES (10)

FEW SPECKS OF DISSEMINATED CALCO

JKR-98-14 SAME AS ABOVE. YES (7)

MORE BLEDGS OF PYRRHOTITE ^{THAN} JKR-98-12.
 2% (MAYBE BORNITE)

JKR-98-15. SAME AS ABOVE ALTERED AGGILLITE (SCARN) YES (12)

- LARGE BLEDGS OF SILICIOUS GRAY SULPHIDES
- ARSENOPYRITE & PYRITE & FEW SPECKS OF BORNITE.

SKR-98-16 SCARN INTERFERED ARGILLITE TO) YES (13)
 VERY FINE GRAINED SILICIOUS (PROBABLY ACRIFFELS) ←
 DESSEMINATED SULPHIDE (PYRITE) NO MAGNETIC
 FINE RUSTY FRACTURES - COATING ON FRACTURES
 CONSIST OF SULPHIDES → 1. > 1% BORNITE
 2. > 1% CALCO.
 3. 4% to 2% PYRITE

ALSO DESSEMINATED BORNITE + CALCO. VERY FINE GRAINS:

SKR-98-17 SAME AS ABOVE; SCARN: (ARGILLITE TO HORNFEL?) YES (14)

COMMENTS MORE OR INCREASING BORNITE + CALCO.
 1 to 2% ÷ 1 to 2%
 HALFE
 HALFE

SKR-94-18 SAME AS ABOVE; SCARN:

LARGE MASSIVE BLEB (FT SIZE) OF
 SULPHIDES 1. CALCO > 1%
 2. BORNITE > 1%
 3. PYRITE 1%

7 4. DARK LEAD GRAY TO BLACK (STREAK BLACK)
 10 to 20% OF → POSSIBLE CHALCOSINE Cu₂S.
 SULPHIDE BLEBS.

BEST ...

ASSAY
(S)
NO

JKR-98-1 FINE GRAINED ROCK some DESEMMINATED PYRITE
GRAY WAKE? PROBABLY.

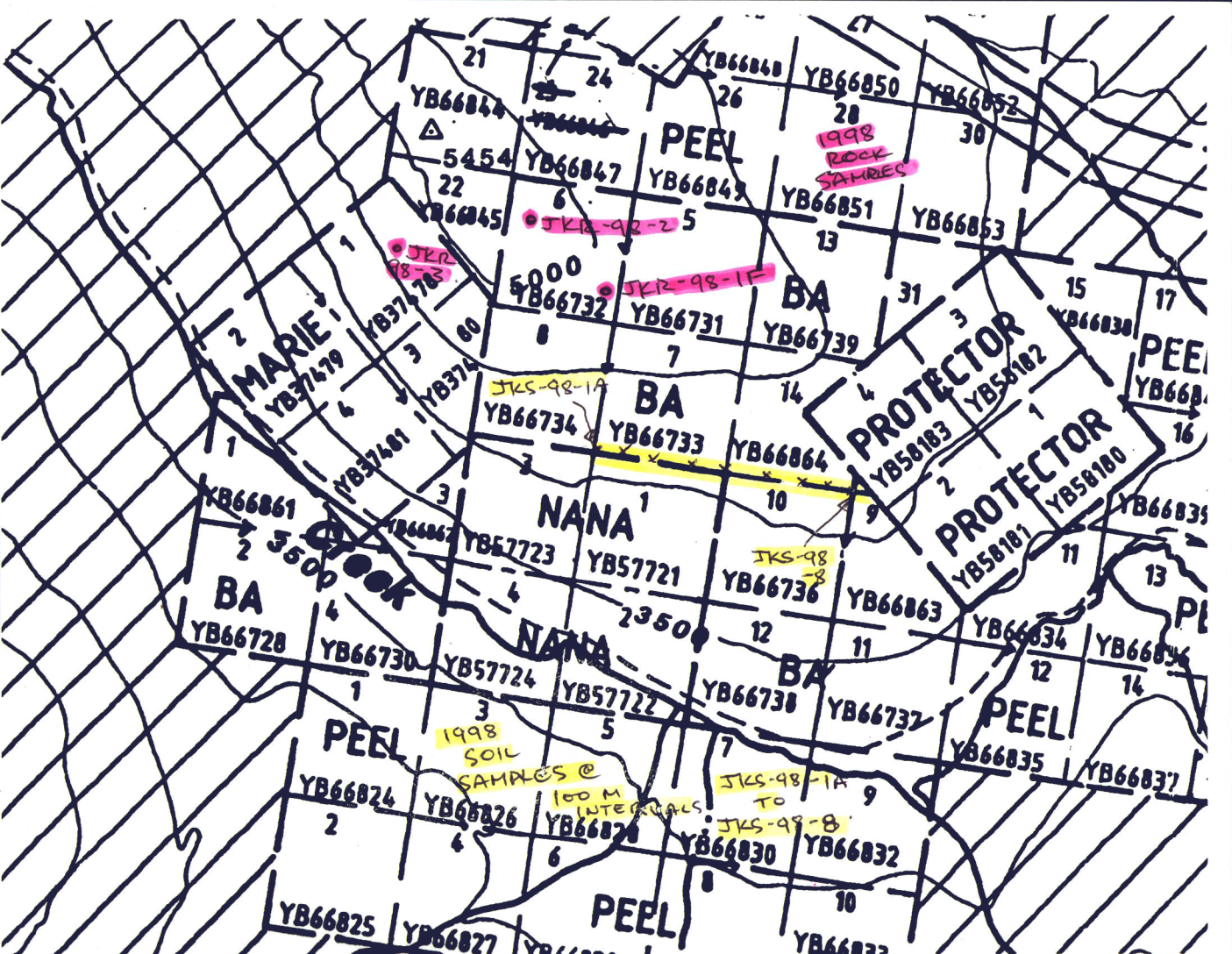
JKR-98-2 FINE GRAINED ROCK (Hornfels?)
- FINE
DESEMMINATED SULPHIDES
1. PYRITE
2 FEW SPICES OF BOORNITE

JKR-98-3 Volcanic Rock? Rusty.
SULPHIDE 1. 4% BOORNITE & CALCO
2. 1% PYRITE
P. A. mica.

JKR-98-4. Rock? (Silica. mite BE A Hornfel.)
SEAMS OF MAGNETIC SULPHIDES. PYRRHOTITE

JKR-98-1F. FLOAT FOUND BY SIDE POST.
WHITE QUARR (NO FIZZ WITH ACID).
GREENISH & BLUSHISH STAIN IN QUARTZ
AROUND SILVERY SULPHIDE, SULPHIDE SOFT,
BLADED LAYERS. TARNISHES BLACK.
STREAK BLACK (GREYISH BLACK)
SP. RITE OR MOLY.

BEST
...
...



YB66844

PEEL

YB66850

YB66852

5454

YB66847

YB66849

YB66851

YB66853

JKR-98-25

5000

YB66732

BA

MARIE

YB66749

JKS-98-1A

BA

PROTECTOR

PROTECTOR

PEEL

YB66861

BA

NANA

JKS-98-8

YB66728

YB66730

YB57723

YB57721

YB66736

YB66863

YB66834

YB66836

PEEL

YB57724

YB57722

YB66738

YB66737

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YB66827

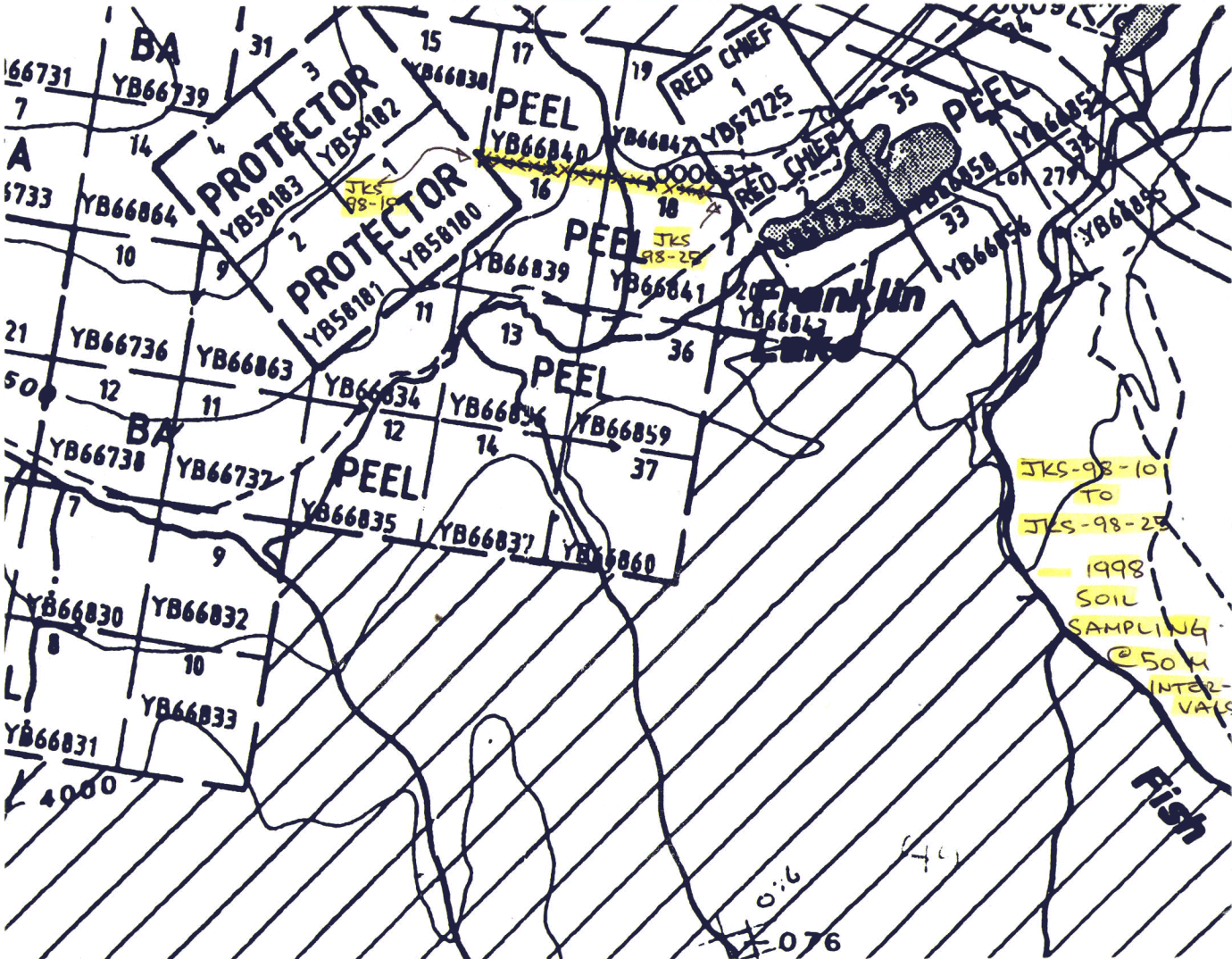
PEEL

YB66833

1998 SOIL SAMPLES @ 100 M INTERVALS

JKS-98-1A TO JKS-98-8

YB66833



GEOLOGICAL LEGEND	
CENOZOIC	
QUATERNARY	
PLEISTOCENE & RECENT	
735	0 ALLUVIUM, GLACIAL DRIFT
746	10 MILES CANYON BASALT
POST CRETACEOUS	
INTRUSIVE DYKES OR SILLS	
755	9a ACIDIC GRANITIC, APLITE, FELSITE, 9a-may predate skarn
754	9b BASIC ANDESITE, DIORITE, POST-ORE, 9b-porphry
MESOZOIC	
CRETACEOUS	
COAST INTRUSIVES	
758	8 DIORITE 8a ALTERED (ENDOSKARN) 8i MINERALIZED ENDOSKARN, MALACHITE, CHALCOPYRITE, BORNITE
752	7g GRANITE, 7b GRANDIORITY, 7m QUARTZ-MONZONITE
LOWER JURASSIC & LATER	
746	5 LABERGE GROUP
UPPER TRIASSIC	
LEWES RIVER GROUP (METAMORPHOSED)	
740	5 LIMESTONE AND/OR DOLOMITE, 5b-CARBONACEOUS LIMESTONE
736	4 QUARTZITE, GREYWACKE, 4q QUARTZITE 4g GREYWACKE
	ARGILLITE, ARKOSE 4k ARKOSE
730	3 SKARN BARREN, WITH 3a ACTINOLITE 3c CHLORITE 3d DIOPSIDE 3e EPIDOTE 3f FELDSPAR 3z ZOISITE
745	2 SKARN MINERALIZED, BORNITE, CHALCOPYRITE, COPPER OXIDES, WITH 2a GARNET 2b SERPENTINE 2c TREMOLITE 2d WOLLASTONITE
745	1 SKARN MAGNETITE, BORNITE, CPY, VALERIITE, COPPER OXIDES, WITH 1a WOLLASTONITE

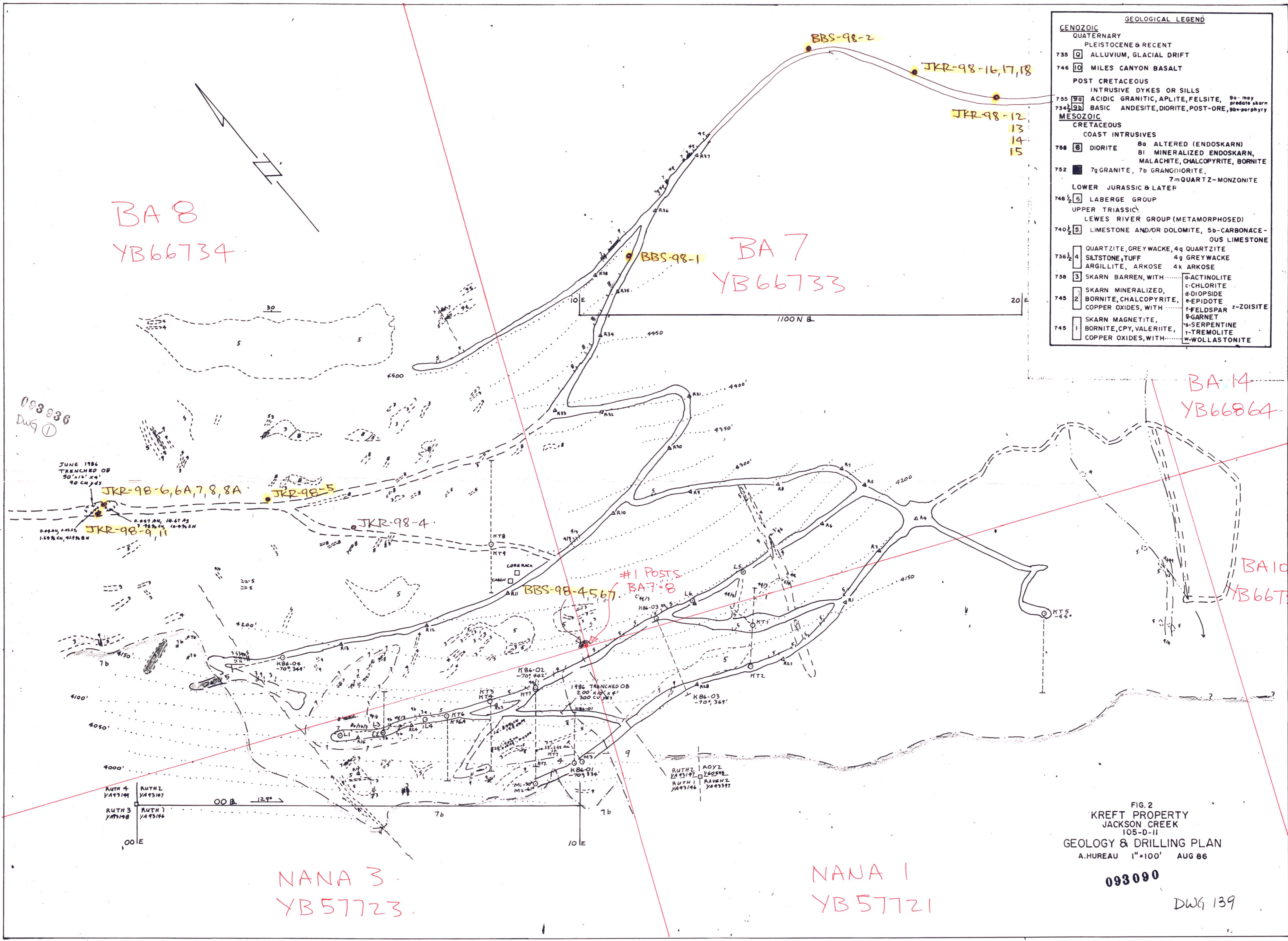


FIG. 2
 KREFT PROPERTY
 JACKSON CREEK
 105-D-11
 GEOLOGY & DRILLING PLAN
 A.HUREAU 1"=100' AUG 86

093090
 DWG 139