Report on the 1996 Geochemical Assessment Work on the Banana Property

Whitehorse Mining District, Yukon
NTS 105 D/11
May 5 - September 30, 1996

Claims:	Protector 1-4	YB58180-183
	Nana 1-4	YB57721-724
	BA 1	YB66861
	BA 2	YB66728
	BA 3	YB66862
	BA 4-8	YB66730-734
	BA 9	YB66863
	BA 10-13	YB66736-739
	BA 14	YB66864
	Peel 1-37	YB66824-860

For: **Pacific Galleon Mining Corp.**
422-510 West Hastings Street
Vancouver, B.C.
V6B 1L8

By: **Harmen J. Keyser**, B.Sc., FGAC
123 Rainbow Road
Whitehorse, Yukon
Y1A 5K2

November 5, 1996

This report has been examined by the Geological Evaluation Unit under Section 38 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 800.00 .

M. Burke

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

SUMMARY

Pacific Galleon Mining Corp.'s Banana Property consists of 61 contiguous mineral claims located in the Whitehorse Mining District, Yukon. It is accessible by road from Whitehorse.

The Property hosts locally high grade copper and gold mineralization in an actinolite skarn localized along the contact between Mesozoic limestone and Eocene granodiorite. Previous drilling by other operators has returned 6.6 meters grading 5.6% copper, 1 g/T gold, and 271 g/T silver. Another drill hole 27 meters away intersected 4.6 m grading 0.75% copper, 9.9 g/T gold, and 0.5% bismuth. Subsequent drill holes failed to intersect significant mineralization immediately below or along strike of the mineralized intercepts.

Work completed by Pacific Galleon in 1996 consisted of reconnaissance scale soil geochemistry in an attempt to identify additional zones of gold-copper skarn mineralization. Results of the soil sampling showed a low-order gold-copper-arsenic anomaly 1.5 kilometers east of the previously identified skarn. There is no known bedrock source for this anomaly.

A current re-interpretation of the previous drilling results shows that the known mineralized zone was not conclusively delimited by the drill holes. Based on geological and geochemical data, the potential for an intrusive-hosted gold deposit within the underlying granodiorite stock has been suggested.

A program of soil geochemistry and diamond drilling to test for additional skarn mineralization and to test for the possibility of gold mineralization within the intrusives is warranted and recommended.

TABLE OF CONTENTS

List of Figures

List of Tables

Appendix

INTRODUCTION

This report was prepared at the request of Pacific Galleon Mining Corp., co-owner of the Banana Property. Its purpose is to satisfy assessment requirements of the Yukon Quartz Mining Act through a description of exploration work carried out during the period May 6 to September 5, 1996.

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

Work completed by Pacific Galleon in 1996 consisted of data compilation, reconnaissance prospecting, and soil geochemistry. This report also contains data provided by Mr. Sid McKeown, registered owner of parts of the Property.

LOCATION AND ACCESS

The Banana Property is located in southwestern Yukon, approximately 15 kilometers west of Whitehorse (Figure 1). It is accessible by a good 4WD road leading past Louise and Franklin Lakes. The geographic coordinates of a point approximately in the center of the property are 60° 41' N and 135° 20' W.

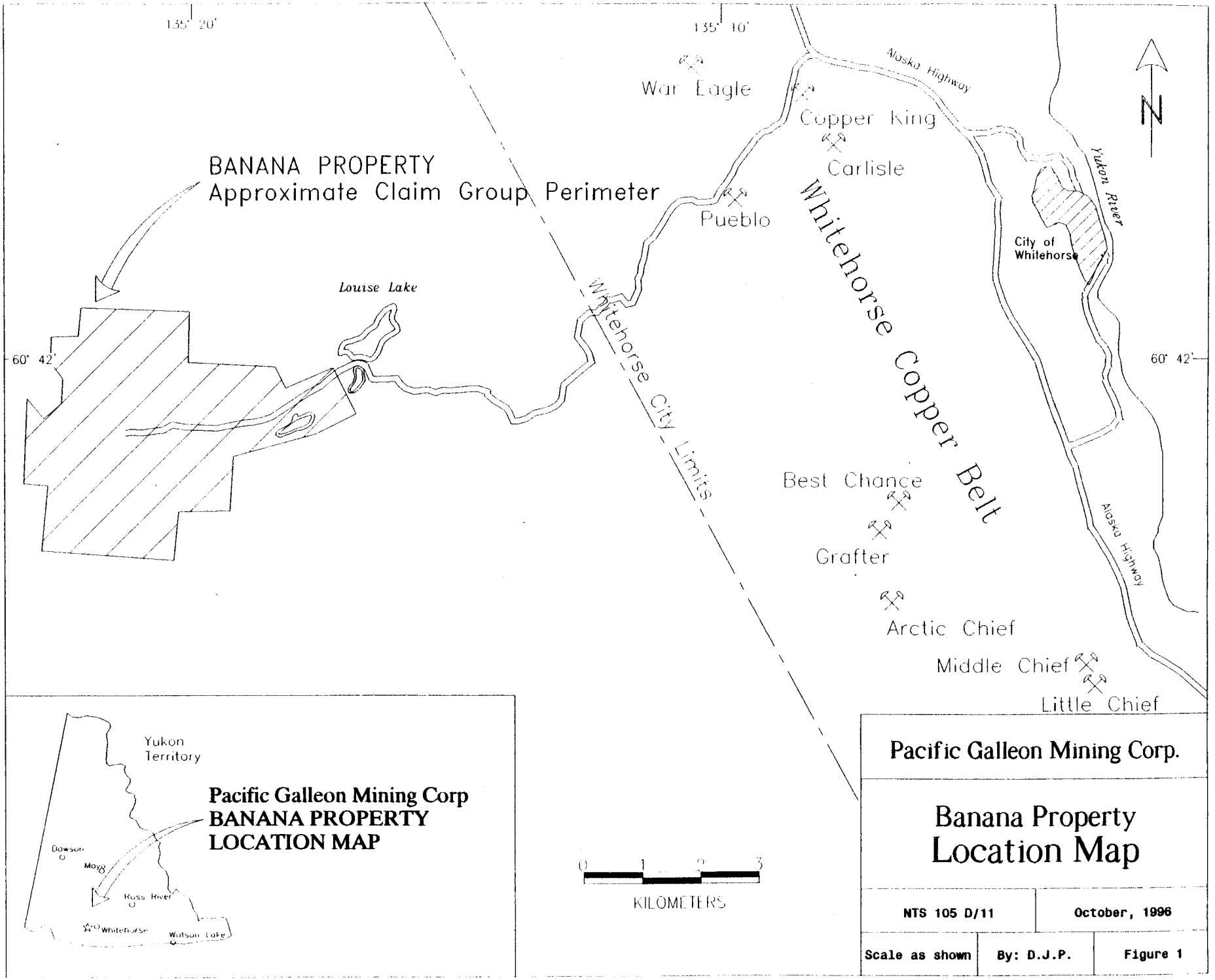
PROPERTY

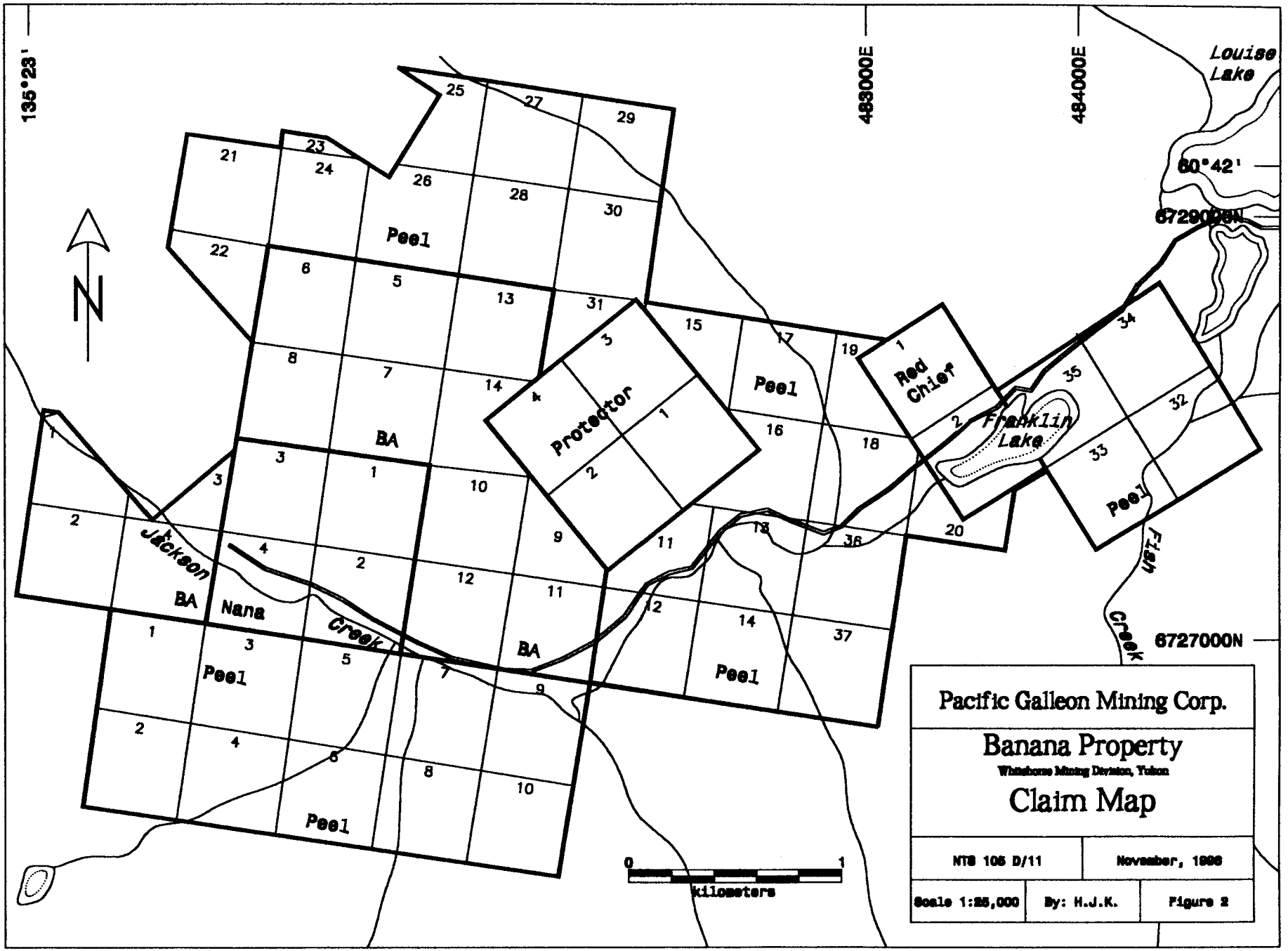
The Property consists of 61 contiguous unsurveyed full and fractional mineral claims (Figure 2), covering approximately 1100 hectares and collectively called the Banana Property. The claims are located within the Whitehorse Mining District and are shown on Northern Affairs Program Mineral Rights map 105-D-11. Current claim data are as follows:

Claim Name	Grant No.	Expiry Date*
Protector 1-4	YB58180-183	Sept. 6, 1997
Nana 1-4	YB57721-724	June 29, 1997
BA 1	YB66861	May 22, 1998
BA 2	YB66728	May 7, 1998
BA 3	YB66862	May 22, 1998
BA 4-8	YB66730-734	May 7, 1998
BA 9	YB66863	May 22, 1998
BA 10-13	YB66736-739	May 7, 1998
BA 14	YB66864	May 22, 1998
Peel 1-37	YB66824-860	May 22, 1998
Red Chief 1-2	YB57725-26	June 29, 1997

* subject to acceptance of assessment work described in this report.

The *Protector* and *Nana* claims are held by Pacific Galleon under option agreement dated May 21, 1996 from Sid McKeown of Whitehorse, and the *BA* and *Peel* claims were staked by Pacific Galleon in May, 1996. These claims are subject to a joint venture agreement between Pacific Galleon (80%) and Balaclava Industries Ltd. (20%) dated June 7, 1996. The *Red Chief* claims are subject to a "first right of refusal" agreement between McKeown and Pacific Galleon, and are not subject to the assessment filing of this report.


135° 20'
135° 10'
War Eagle
Alaska Highway
Copper King
Carlisle
BANANA PROPERTY
Approximate Claim Group Perimeter
Pueblo
Whitehorse Copper Belt
Yukon River
City of Whitehorse
Louise Lake
60° 42'
60° 42'
Whitehorse City Limits
Best Chance
Grafter
Alaska Highway
Arctic Chief
Middle Chief
Little Chief
N
Yukon Territory
Pacific Galleon Mining Corp
BANANA PROPERTY
LOCATION MAP
Dawson
Mayo
Ross River
Whitehorse
Watson Lake
0 1 2 3
KILOMETERS
Pacific Galleon Mining Corp.
Banana Property
Location Map
NTS 105 D/11
October, 1996
Scale as shown
By: D.J.P.
Figure 1


135°23'
483000E
484000E
Louise Lake
60°42'
6729000N
N
Peel
BA
Protector
Red Chief
Franklin Lake
Jackson
Nana
Creek
Fish
Creek
6727000N
0
1
kilometers
Pacific Galleon Mining Corp.
Banana Property
Whitehorse Mining Division, Yukon
Claim Map
NTS 105 D/11
November, 1998
Scale 1:25,000
By: H.J.K.
Figure 2

HISTORY

Skarn-type gold-copper mineralization was discovered in the Whitehorse Copper Belt (10 km east of the Banana Property) in 1897 (Watson, 1984). Production from what became known as the Whitehorse Copper Belt began in 1900 and continued somewhat intermittently until 1982. Total production from the belt during the period 1967 to 1982 stands at 121,600 tonnes of copper, 7,700 kilograms of gold, and 97,000 kilograms of silver from 10,000,000 tonnes of ore (Meinert, 1986).

The earliest recorded mineral exploration in the current Banana Property area was in 1970 when E. Kreft and S. Takacs discovered skarn-type copper mineralization on the north side of Jackson Creek. Since then, the ground has been explored by various operators which have performed road building, geological mapping, trenching, magnetic surveying, and diamond drilling. A summary of the drilling is shown in Table 1.

Table 1. History of Diamond Drilling on Banana Property.
Modified in part after Hureau, 1986.

Year	Operator	Hole No.'s	No.	Total (ft)	Significant Results
1972	New Jersey Zinc	L1 - L6	6	1459	
1975	Whitehorse Copper Mines	KT1 - KT6	5	1401	20.1'@ 5.6% Cu, 7.9opt Ag
1976	Whitehorse Copper Mines	KT6A - KT9	4	1550	1.3' @ 2.55 opt Au*, 5.8% Bi
1978	E. Kreft	X3	1	114	
1983	M. Nichiporek	M1 - M3	3	285	4.3' @ 0.20 opt Au
1986	E. Kreft	86-01 - 86-04	4	1494	
Totals:			23	6303' (1921.2 m)	

* re-assay 3.90 opt Au

The Nana, Protector, and Red Chief mineral claims were staked in 1995 by Sid McKeown in part to cover dimension stone deposits. The BA and Peel claims were staked in 1996 to cover favorable geology with potential gold-copper skarn-type mineral occurrences.

PHYSIOGRAPHY

The Banana Property is located in the Boundary Ranges of the Coast Mountains. Topography is moderate to precipitous, with elevations ranging from 975 meters ASL at Jackson Creek to 1662 meters at the northwest corner of the Property. At lower elevations, vegetation consists of mature poplar, pine, and spruce, with alpine shrubs, grasses and mosses above treeline which is at about 1200 meters ASL.

The area has been greatly modified by Pleistocene glaciation. Glacial features such as U-shaped valleys, aretes, and kames are common. Outcrop is scarce below treeline.

Climate is typified by warm summers and long cold winters. Precipitation is light, averaging about 60 centimeters annually.

GEOLOGY

The Banana Property is situated at the western margin of the Whitehorse Trough of Stikinia Terrane (Intermontane Belt), close to the structural contact with the Coast Plutonic Complex. Wheeler (1961) and Hart and Radloff (1990) have adequately described the regional geology of the area.

Rocks of the Whitehorse Trough consist of a lower Mesozoic to Paleozoic island arc assemblage of mafic volcanic and sedimentary rocks grading upward and basinward into greywacke, siltstone, and minor conglomerate and limestone. The Coast Plutonic Complex is composed of foliated and non-foliated granitoid rocks of dominantly Cretaceous age flanked by older metamorphosed and unmetamorphosed sedimentary and volcanic strata. Granodiorite, granite and quartz diorite are characteristic of the composite plutons. Gabbro and syenite are rare. Calc-silicate and magnetite skarn zones are locally developed near the intrusive contacts, including the Whitehorse Copper Belt.

Exploration carried out on the Banana Property since 1970 has identified irregular calc-silicate and magnetite skarn developed along intrusive contacts between Lewes River Group carbonate rocks and Eocene (Hart and Radloff, 1990) granite and granodiorite. Skarn zones up to 30 meters thick have been identified at intrusive-carbonate, intrusive-siltstone, and siltstone-carbonate contacts (Hureau, 1986). Metallic minerals are dominated by chalcopyrite, magnetite, bornite, and pyrrhotite, with the best copper mineralization associated with actinolite-diopside-magnetite skarn.

Results of diamond drilling carried out on the Property during the period 1972-1986 (Hureau, 1986) include the identification of high grade gold-copper mineralization hosted in actinolite skarn. Assays from drill core range up to 6.6 meters grading 5.6% copper, 1 g/T gold, and 271 g/T silver (Hole KT-3). Another hole drilled 27 meters to the southeast intersected 4.6 meters grading 0.75% copper and 9.9 g/T gold, including 0.4 meters grading 87.5 g/T gold (re-assay of 133.7 g/T gold) and 5.8% bismuth (Hole KT-7). Subsequent holes drilled below and along the projected strike of the skarn horizon failed to intersect significant mineralization, except hole M1 which encountered 1.3 meters grading 6.9 g/T gold immediately above the KT-7 intercept. Most of the holes were stopped when they intersected intrusive lithologies, which drill logs frequently describe as altered and fractured.

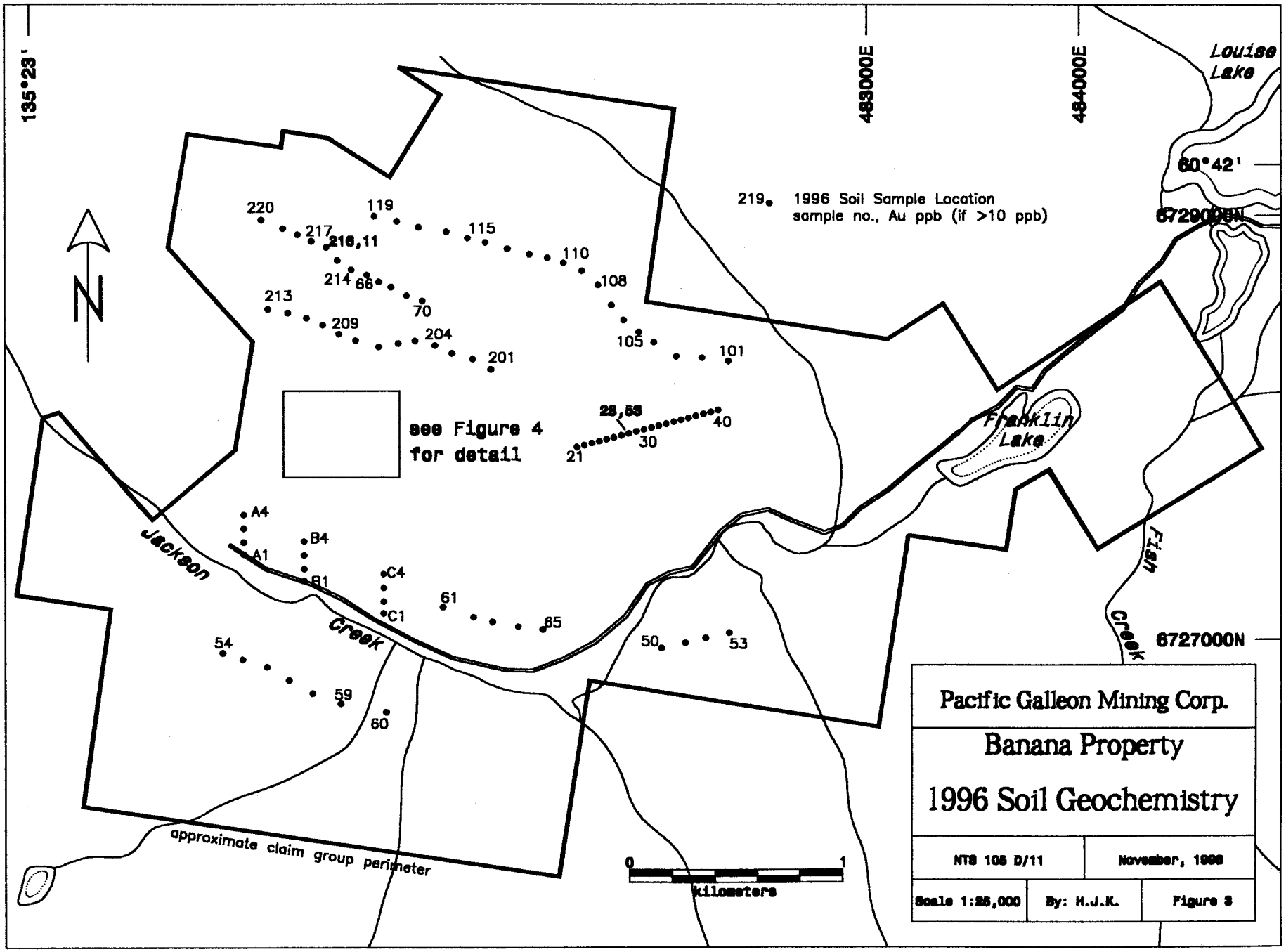
Reconnaissance scale prospecting carried out as part of the 1996 assesment work failed to identify any new zones of potential mineralization. The work showed that the majority of the property, especially below elevations of 1200 meters, is covered with a pervasive veneer of glacial till and outwash.

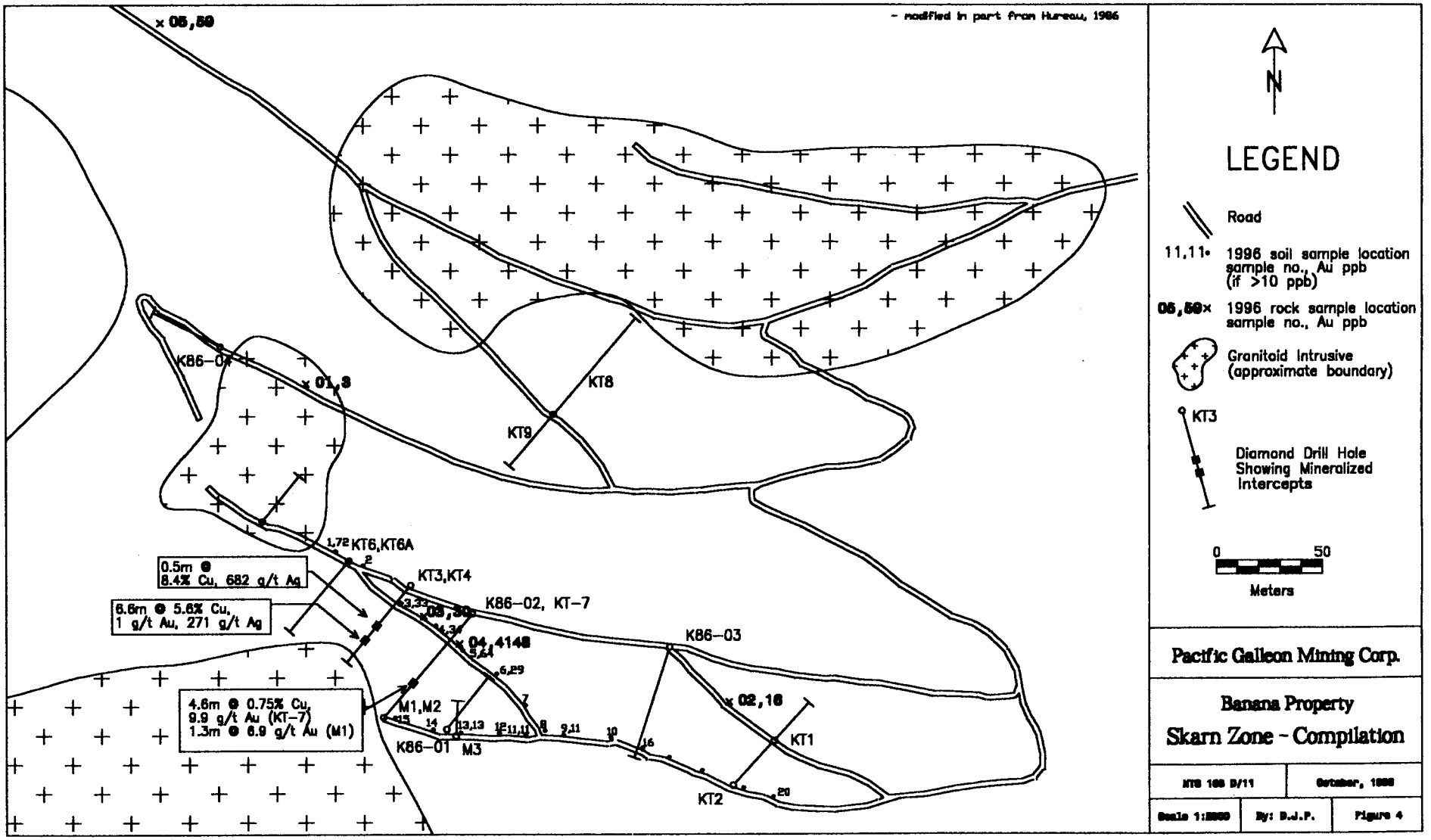
GEOCHEMISTRY

In 1996, a total of 19 rock samples and 114 soil samples were collected on the Banana Property. The purpose of the sampling was to confirm gold-copper mineralization previously identified at the main skarn occurrence, and to explore for new gold-copper mineralization at other areas on the property. Sample collection was distributed across the Property to satisfy assessment requirements.

The samples were collected from 'B' horizon soil (where developed) with a mattock. The <80" and <150" mesh fraction was analyzed by Northern Analytical Laboratories Ltd. and Acme Analytical Laboratories Ltd. for gold, and selected samples were also analyzed for 30 additional elements.

Results of the work (Figures 3 and 4) showed anomalous gold (up to 72 ppb), copper (up to 4871 ppm), and arsenic (up to 316 ppm) concentrations in the area of the known gold-copper skarn mineralization. This confirmed that the mineralization could be identified by conventional soil geochemistry. In addition, a single-sample low-order gold-in-soil anomaly (53 ppb) was identified at the central part of the Property (sample no. BAS-28). This sample and adjoining samples also contain elevated concentrations of copper (up to 163 ppm) and arsenic (up to 58 ppm) in an area with rare outcrop.


135°23'
483000E
484000E
Louise Lake
60°42'
6729000N
219 1996 Soil Sample Location
sample no., Au ppb (if >10 ppb)
220
119
217
216,11
115
110
214
66
108
213
70
209
204
105
101
201
see Figure 4
for detail
28,53
40
30
21
Franklin Lake
A4
B4
A1
B1
C4
C1
61
65
Jackson Creek
Fish Creek
54
59
60
50
53
6727000N
approximate claim group perimeter
0
1
kilometers
Pacific Galleon Mining Corp.
Banana Property
1996 Soil Geochemistry
NTS 105 D/11
November, 1996
Scale 1:25,000
By: H.J.K.
Figure 3


x 05,89
- modified in part from Hureau, 1986
K86-04
x 01,3
KT8
KT9
1,72 KT6,KT6A
2
0.5m @
8.4% Cu, 682 g/t Ag
KT3,KT4
6.6m @ 5.6% Cu,
1 g/t Au, 271 g/t Ag
K86-02, KT-7
03,30
4,34
04,4148
5,64
6,29
K86-03
4.6m @ 0.75% Cu,
9.9 g/t Au (KT-7)
1.3m @ 6.9 g/t Au (M1)
M1,M2
K86-01 M3
02,16
KT1
KT2
N
LEGEND
Road
11,11• 1996 soil sample location sample no., Au ppb (if >10 ppb)
05,89× 1996 rock sample location sample no., Au ppb
Granitoid Intrusive (approximate boundary)
KT3
Diamond Drill Hole Showing Mineralized Intercepts
0
50
Meters
Pacific Galleon Mining Corp.
Banana Property
Skarn Zone - Compilation
NTS 103 B/11
October, 1996
Scale 1:2000
By: B.J.P.
Figure 4

CONCLUSIONS AND RECOMMENDATIONS

The Banana Property covers a series of intrusive contacts between Cretaceous to Eocene granodiorite and older locally calcareous sedimentary rocks. Irregular magnetite and calc-silicate skarns have been developed along some of the contacts. Previous diamond drilling by other operators has identified interesting gold-copper mineralization in the skarns, with results up to 6.6 meters grading 5.6% copper, 1 g/T gold, and 271 g/T silver. Another hole 27 meters to the southeast intersected 4.6 meters grading 0.75% copper, 9.9 g/T gold, and 0.5% bismuth. Although additional nearby holes failed to intercept significant mineralization, it is possible that gold-copper mineralization exists in a calc-silicate horizon which extends outside the drilled area.

The presence of bismuth (up to 5.8% Bi across 0.4 meters in hole KT-7) could be indicative of high gold and bismuth concentrations within the underlying intrusive bodies. Bismuth is present in large-tonnage intrusive-hosted gold deposits at Dublin Gulch, Yukon; Fort Knox, Alaska; and Mkorsko, Czech Republic. The presence of bismuth in unusually high concentrations associated with gold skarn on the Banana Property may therefore be suggestive of large-tonnage gold mineralization hosted within the underlying intrusives.

Soil samples collected for geochemical analyses in the vicinity of known gold-copper mineralization returned low-order anomalous results for gold, copper, and arsenic. Anomalous results of a similar magnitude were identified from an overburden-covered area 1.5 km to the east. Therefore, the geochemical results are suggestive of another mineralized skarn zone.

High grade gold-copper mineralization intersected in previous diamond drill holes has not been adequately tested. Skarn mineralization by nature can be very erratic and therefore the mineralized zone remains open along strike and at depth. In addition, it is possible that the underlying intrusives on the Property contain elevated gold concentrations as in an intrusive-hosted gold deposit. This possibility has not been addressed.

Further work is warranted on the Banana Property. The following work is recommended:

1. Carry out a program of soil geochemistry centered north, east, and west of the known mineralized skarn in an attempt to locate new zones of mineralization. Sample collection using an auger may yield a greater sample depth and enhanced resolution. The area south of the known mineralization is covered with thick transported overburden, and geochemical results from this area may be inconclusive.

2. Examine granitoid exposures to determine the presence of fracturing, alteration, and veining which could be associated with intrusive-hosted gold mineralization. This work could be supported with reconnaissance scale rock geochemistry with analyses made for gold, arsenic, antimony, bismuth, and copper.

3. Test by diamond drilling the potential strike and down-dip extents of the known skarn-type gold-copper mineralization. The drill holes should be allowed to penetrate a sufficient distance into the underlying/adjoining granodiorite to test for the potential of intrusive-hosted gold mineralization.

Respectfully submitted,

5 November, 1996

Harmen J. Keyser, B.Sc., FGAC

REFERENCES

Hart, C.J.R., and Radloff, J.K., 1990: Geology of Whitehorse, Alligator Lake, Fenwick Creek, Carcross, and part of Robinson Map Areas. Aurum Geological Consultants Inc., DIAND Open File 1990-4.

Hureau, A., 1986: Diamond Drilling Report, Ruth 1-4 Claims. Assessment report 091899 for E. Kreft. September 6, 1986.

Meinert, L.D., 1986: Gold in Skarns of the Whitehorse Copper Belt, southern Yukon. *In* Yukon Geology, Vol. 1, DIAND, p. 19-43.

Watson, P.H., 1984: The Whitehorse Copper Belt - A Compilation. DIAND Open File Map, Scale 1:25,000.

Wheeler, J.O., 1961: Whitehorse Map-Area, Yukon Territory, 105D. Geological Survey of Canada, Memoir 312.

STATEMENT OF QUALIFICATIONS

I, Harmen J. Keyser, hereby certify that;

1. I am an independent consulting geologist residing at 123 Rainbow Road, Whitehorse, Yukon Y1A 5K2.

2. I am a graduate of Saint Mary's University, Halifax, N.S., with a degree in geology (B.Sc., 1981).

3. I have been employed as a geologist on a full-time and part-time basis since 1981.

4. I am a Fellow of the Geological Association of Canada (Registration No. F3759).

5. I am the author of this report on the Banana Property, which is based on data collected under my supervision as well as data provided to me by Mr. Sid McKeown, owner of part of the Property.

6. This report is to be used to satisfy assessment requirements only.

5 November, 1996

Harmen J. Keyser

Statement of Costs - to support assessment work completed on Banana Property in 1996.

Claims	No. of Claims	Expiry Date	Work Dates	Personnel	Man-Days	Total Labor	Support Costs*	Analytical Costs	Total Expenditure
Nana 1-4	4	29-Jun	16-May	SM	1	200.00	115.00	307.50	622.50
Protector 1-4	4	6-Sep	5-Sep	HK, DP	1	225.00	115.00	238.00	578.00
BA 2,4-8,10-13	10	7-May	16 May-21 Sep	HK,DP,TA	1.5	450.00	345.00	366.50	1161.50
BA 1,3,9,14	4	22-May	5 Sep-17 Sep	HK, DP	1	275.00	115.00	58.00	448.00
Peel 1-37	37	22-May	5 Sep-30 Sep	HK,TA,MG	8	2375.00	615.00	925.60	3915.60
Totals:	**59**				**12.5**	**3525.00**	**1305.00**	**1895.60**	**6725.60**

* support costs include 4WD truck rental, fuel, meals, freight, supplies.

List of Personnel:

HK	Harmen Keyser, BSc., of Whitehorse, Yukon ($350/day)
DP	David Pass, B.Sc., of Scotsburn, N.S. ($250/day)
MG	Michael Glynn, Prospector, of Whitehorse, Yukon ($250/day)
TA	Tom Arsenault, Prospector, of Whitehorse, Yukon ($250/day)
SM	Sid McKeown, Prospector, of Whitehorse, Yukon ($200/day)

APPENDIX

Analytical Reports

Northern Analytical Laboratories ltd.

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

25/06/96 Assay Certificate

Sid McKeown WO#10325

Sample #	Au ppb
A1 - Rock	<5
A2 - Rock	<5
A3 - Rock	<5
A4 - Rock	<5
B1 - Rock	<5
B2 - Rock	6
B3 - Rock	11
B4 - Rock	15
C1 - Rock	134
C2 - Rock	11
C3 - Rock	7
C4 - Rock	<5
D1 - Rock	<5
A1 - Soil	<5
A2 - Soil	<5
A3 - Soil	<5
A4 - Soil	<5
B1 - Soil	<5
B2 - Soil	<5
B3 - Soil	<5
B4 - Soil	<5
C1 - Soil	<5
C2 - Soil	<5
C3 - Soil	<5
C4 - Soil	<5
D1 - Soil	<5

Certified by

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Balaclava Industries Ltd. PROJECT BANANA File # 96-1706 Page 1

c/o Vertical Air Ltd., 12, Whitehorse YT Y1A 5K2 Submitted by: Harmen J. Keyser

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
BA96-01	1	41	21	40	.5	9	5	295	2.37	17	<5	<2	4	108	<.2	4	<2	58	1.59	.132	11	17	.27	41	.19	4	1.95	.21	.16	2	3
BA96-02	10	108	14	25	.4	4	5	173	2.65	6	<5	<2	2	156	.3	<2	<2	25	2.61	.081	4	9	.40	16	.06	<3	3.42	.18	.09	<2	7
RE BA96-02	8	103	16	24	.5	4	5	180	2.59	5	<5	<2	2	155	.2	<2	2	26	2.64	.080	5	9	.41	16	.07	4	3.43	.18	.09	<2	16
BA96-03	<1	10445	<3	735	12.2	3	9	4408	40.21	39	<5	<2	<2	47	7.0	5	<2	9	1.28	.001	<1	12	5.34	20	.01	49	.38	.01	.16	6	30
BA96-03A	1	119	21	37	.5	11	8	231	2.61	16	<5	<2	2	127	.2	5	<2	58	1.45	.119	8	22	.46	33	.18	<3	1.93	.21	.14	2	7
BA96-04	5	61986	2252	22229	413.1	92	97	1817	10.80	137	<5	14	<2	146	218.0	43	3602	5	8.42	.003	2	8	.61	7	.01	8	.44	.01	.09	<2	4148
BA96-05	4	4319	69	55456	17.6	29	89	9083	6.73	139	<5	<2	<2	732	555.9	11	100	13	22.01	.009	2	25	11.54	364	.03	591	.68	.01	.38	<2	59
STANDARD C2/AU-R	22	59	43	132	6.3	71	36	1171	4.15	40	19	7	36	52	21.2	17	20	70	.55	.102	39	63	1.00	184	.08	26	2.07	.06	.17	14	491

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 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 LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 10 1996 **DATE REPORT MAILED:** May 23/96 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
BAS-01	2	37	21	81	.7	11	15	665	5.73	9	5	<2	3	227	<.2	<2	2	119	3.14	.062	21	16	2.27	251	.28	6	2.34	.03	.26	<2	72
BAS-02	1	45	16	66	.3	17	8	797	3.10	19	8	<2	2	370	<.2	<2	<2	57	5.42	.084	24	27	3.91	423	.10	12	2.71	.03	.15	<2	8
BAS-03	2	69	19	80	.5	28	12	783	3.29	234	<5	<2	<2	2209	<.2	<2	2	49	6.54	.094	10	28	4.41	1597	.05	25	1.52	.03	.25	<2	33
BAS-04	9	219	24	73	1.6	14	2	1442	13.29	119	6	<2	2	282	<.2	3	3	38	4.18	.044	4	18	4.14	229	.05	10	1.17	.02	.11	43	34
BAS-05	6	4871	39	696	16.2	7	1	1567	38.76	316	5	<2	3	71	<.2	10	11	32	.53	.021	2	15	.77	166	.04	5	.54	.03	.11	34	64
BAS-06	4	1243	17	238	14.0	33	15	1088	7.45	28	7	<2	3	249	1.2	3	<2	69	3.49	.067	10	40	1.94	297	.12	5	1.75	.05	.19	2	29
BAS-07	1	91	11	63	.6	20	9	529	2.78	6	5	<2	3	145	<.2	2	<2	62	2.29	.054	15	33	1.10	142	.11	4	1.88	.04	.22	<2	7
BAS-08	1	46	12	77	<.3	22	9	605	2.90	10	6	<2	4	77	<.2	<2	2	65	.98	.064	16	33	1.42	168	.11	5	1.94	.04	.17	<2	9
BAS-09	1	46	13	75	<.3	27	20	516	2.91	57	6	<2	5	53	<.2	<2	2	61	.81	.092	11	33	.81	116	.08	4	1.84	.03	.14	<2	11
BAS-10	1	34	13	71	<.3	22	9	475	2.62	8	5	<2	2	46	<.2	<2	2	56	.62	.073	10	30	.69	131	.08	<3	1.57	.03	.13	<2	9
BAS-11	1	46	12	61	<.3	24	10	492	2.98	11	5	<2	3	83	<.2	<2	2	70	.81	.051	15	35	.88	130	.11	3	1.99	.05	.15	<2	11
BAS-12	1	93	12	64	.7	21	9	536	2.71	9	6	<2	2	138	<.2	<2	<2	58	3.24	.074	17	32	1.20	109	.08	5	1.70	.04	.18	<2	<2
BAS-13	2	437	12	166	3.0	22	9	582	3.23	15	6	<2	3	176	.5	2	<2	57	3.93	.061	12	32	1.51	138	.09	5	1.68	.04	.20	<2	13
BAS-14	1	203	8	63	.8	15	5	356	2.17	9	<5	<2	2	291	<.2	2	<2	47	8.00	.070	12	23	1.35	84	.07	3	1.21	.04	.08	<2	2
BAS-15	1	772	7	151	.5	16	6	433	2.23	16	<5	<2	3	323	.6	2	<2	47	9.02	.071	12	24	1.58	115	.08	4	1.31	.04	.09	<2	<2
RE BAS-15	1	815	9	156	.5	17	7	445	2.31	17	<5	<2	3	331	.9	<2	<2	48	9.19	.073	12	25	1.62	120	.08	3	1.36	.05	.09	<2	4
BAS-16	1	85	5	58	.4	12	4	331	1.65	8	<5	<2	2	551	<.2	4	<2	29	18.22	.075	8	15	1.79	99	.05	3	.88	.03	.06	<2	2
BAS-17	1	67	4	46	.6	15	5	338	1.91	9	<5	<2	2	469	<.2	2	<2	35	18.22	.075	7	17	1.39	84	.05	4	1.08	.03	.10	<2	3
BAS-18	1	28	5	43	<.3	13	4	414	1.98	6	<5	<2	3	422	<.2	<2	<2	43	16.76	.076	8	23	2.42	107	.09	3	1.31	.04	.08	<2	10
BAS-19	1	26	7	50	<.3	15	5	470	1.88	18	<5	<2	3	406	<.2	3	<2	36	16.96	.082	8	20	1.65	91	.07	<3	1.13	.04	.09	<2	3
BAS-20	2	66	6	60	.5	29	12	511	3.18	7	<5	<2	3	250	<.2	<2	<2	91	5.29	.067	13	61	2.01	166	.14	3	2.74	.12	.18	<2	10
STANDARD C2/AU-S	21	58	43	147	6.5	73	35	1222	4.03	35	22	8	35	52	20.8	17	19	73	.57	.104	41	63	1.01	203	.07	25	1.98	.06	.14	12	44

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Vertical Air Ltd. PROJECT BANANA File # 96-4722 Page 1

123 Rainbow Road, Whitehorse YT Y1A 5X2 Submitted by: Harmen Keyser

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
BAS-21	1	18	13	34	<.3	15	7	433	2.24	6	<5	<2	3	44	.3	<2	2	54	.53	.027	8	26	.59	124	.12	3	1.35	.03	.21	<2	2
BAS-22	1	16	4	28	<.3	7	6	684	1.12	<2	<5	<2	<2	19	.3	<2	<2	22	.23	.072	4	9	.18	110	.07	<3	.73	.03	.07	<2	<1
BAS-23	1	21	11	41	<.3	17	8	480	2.25	5	<5	<2	2	42	<.2	<2	3	54	.65	.050	9	28	.70	147	.10	<3	1.48	.03	.10	<2	<1
BAS-24	1	14	9	59	<.3	20	9	458	2.50	6	<5	<2	4	27	.2	2	<2	58	.39	.052	11	30	.60	106	.12	<3	1.66	.02	.11	<2	<1
BAS-25	1	32	6	23	<.3	14	6	503	1.15	2	<5	<2	<2	34	.4	<2	<2	25	.64	.040	4	10	.23	75	.05	<3	.75	.03	.08	<2	<1
BAS-26	1	39	11	55	<.3	34	17	372	2.28	58	<5	<2	<2	33	1.1	<2	<2	42	.61	.036	5	28	.55	94	.09	<3	1.57	.03	.10	<2	1
BAS-27	1	163	8	61	<.3	68	21	719	1.96	55	<5	<2	<2	54	.7	<2	<2	33	.75	.056	7	23	.39	102	.07	<3	1.40	.04	.10	<2	1
BAS-28	1	43	11	97	<.3	35	22	282	2.91	41	<5	<2	2	53	.5	<2	3	73	.65	.037	7	33	.76	97	.12	<3	1.89	.02	.15	<2	53
BAS-29	1	18	9	47	<.3	18	8	285	2.14	5	<5	<2	2	31	<.2	<2	<2	49	.48	.024	9	26	.44	96	.10	<3	1.38	.02	.10	<2	2
BAS-30	1	19	8	43	<.3	17	8	226	1.88	2	<5	<2	<2	33	.2	<2	<2	45	.48	.035	6	23	.33	68	.08	<3	1.13	.03	.07	<2	1
BAS-31	<1	101	51	114	.3	103	25	420	3.99	34	<5	<2	4	70	.5	2	2	45	1.14	.073	14	44	.67	35	.08	<3	1.95	.04	.05	<2	4
BAS-32	1	33	11	97	<.3	36	16	1020	3.18	4	<5	<2	2	73	.5	<2	<2	92	.77	.040	6	71	1.99	186	.16	<3	2.44	.04	.10	<2	1
BAS-33	2	35	8	49	<.3	29	8	573	1.89	9	<5	<2	<2	488	.6	<2	<2	41	9.01	.078	6	36	1.64	83	.06	<3	1.27	.06	.06	<2	<1
BAS-34	1	18	10	40	<.3	16	9	1180	1.96	<2	<5	<2	<2	55	.3	<2	<2	41	.66	.033	7	21	.35	146	.08	<3	1.28	.02	.09	<2	1
RE BAS-34	1	19	10	41	<.3	16	9	1194	1.97	<2	<5	<2	<2	55	.3	<2	<2	41	.67	.034	7	22	.35	149	.09	<3	1.30	.02	.08	<2	5
BAS-35	2	13	11	46	<.3	21	8	284	2.51	2	<5	<2	4	38	<.2	<2	2	63	.35	.014	9	32	.86	121	.12	3	2.06	.02	.09	<2	<1
BAS-36	1	10	10	56	<.3	14	6	218	2.36	<2	<5	<2	4	47	<.2	2	<2	62	.56	.016	9	28	.50	95	.11	<3	1.56	.02	.07	<2	<1
BAS-37	2	23	13	47	<.3	21	9	328	2.72	6	<5	<2	3	42	.4	<2	<2	74	.64	.026	9	34	1.82	87	.10	<3	2.41	.02	.07	<2	1
BAS-38	<1	32	10	80	.3	35	16	316	3.17	12	<5	<2	3	35	.2	<2	<2	81	.44	.039	11	61	1.29	75	.16	<3	3.19	.02	.08	<2	<1
BAS-39	1	28	20	92	<.3	17	12	740	2.87	9	<5	<2	2	56	1.1	<2	2	72	1.07	.074	10	28	.47	108	.06	3	1.74	.02	.06	<2	1
BAS-40	1	18	8	35	<.3	18	7	203	2.50	8	<5	<2	4	20	<.2	<2	2	60	.28	.038	13	30	.50	70	.10	<3	1.64	.02	.06	<2	1
BAS-50	4	35	11	66	<.3	25	13	423	2.83	7	<5	<2	<2	40	<.2	<2	<2	60	.47	.058	11	34	.65	133	.06	<3	1.98	.02	.07	<2	2
BAS-51	2	31	13	59	<.3	27	12	375	2.77	10	<5	<2	<2	34	<.2	<2	<2	67	.39	.051	11	36	.69	106	.08	<3	2.24	.02	.05	<2	3
BAS-52	1	23	4	19	<.3	6	3	107	1.27	<2	<5	<2	<2	10	<.2	2	<2	26	.09	.033	4	8	.12	28	.05	<3	.73	.03	.03	<2	1
BAS-53	2	35	13	54	<.3	28	14	386	2.73	8	<5	<2	2	38	<.2	2	<2	65	.51	.043	10	32	.67	100	.09	<3	2.15	.02	.07	<2	2
BAS-54	1	43	26	69	<.3	30	16	605	3.12	18	<5	<2	2	70	.4	<2	<2	71	1.00	.081	13	41	.84	123	.07	<3	2.52	.03	.08	<2	2
BAS-55	1	26	20	83	<.3	20	12	937	2.58	7	<5	<2	<2	87	.9	<2	<2	59	1.03	.131	11	32	.54	171	.04	3	2.03	.02	.06	<2	1
BAS-56	2	63	19	86	<.3	36	31	869	3.32	8	<5	<2	<2	67	.4	<2	<2	63	.67	.092	11	32	.62	153	.08	<3	2.54	.02	.05	<2	8
BAS-57	1	30	14	62	<.3	20	8	348	2.16	4	<5	<2	<2	55	.6	<2	2	54	1.01	.114	11	31	.63	144	.06	<3	1.76	.03	.06	<2	2
BAS-58	1	30	15	66	<.3	27	11	461	2.77	9	<5	<2	2	50	.3	2	<2	69	.76	.061	14	36	.74	108	.08	<3	1.92	.03	.08	<2	2
BAS-59	1	18	12	59	<.3	22	7	304	2.40	2	<5	<2	4	23	<.2	<2	<2	55	.35	.047	17	32	.67	94	.10	<3	1.92	.02	.07	<2	2
BAS-60	1	23	11	60	<.3	23	8	351	2.46	6	<5	<2	2	44	.3	<2	<2	56	.69	.078	22	37	.72	108	.07	<3	1.72	.03	.09	<2	2
BAS-61	1	19	7	30	.3	7	5	378	1.14	<2	<5	<2	<2	47	.2	<2	<2	25	.75	.094	15	12	.22	71	.03	<3	1.05	.03	.03	<2	1
BAS-62	1	29	9	59	<.3	12	5	378	1.16	3	<5	<2	<2	92	.5	<2	<2	27	2.37	.085	8	15	.37	79	.04	6	.95	.03	.04	<2	1
BAS-63	1	35	14	67	<.3	19	11	630	2.10	8	<5	<2	<2	94	.6	<2	<2	53	1.70	.114	15	29	.59	109	.06	3	1.54	.03	.06	<2	4
STANDARD C2/AU-S	20	61	39	144	6.8	71	36	1148	3.76	36	20	8	37	51	19.1	16	18	73	.55	.106	40	62	.98	198	.08	27	2.00	.06	.14	10	42

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 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 LIMITED FOR NA K AND AL.
- SAMPLE TYPE: -150 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 23 1996 DATE REPORT MAILED: Oct 1/96 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
BAS-64	1	34	15	59	<.3	16	9	433	2.07	4	<5	<2	<2	85	.7	<2	<2	50	1.21	.138	12	28	.63	127	.07	3	1.79	.03	.08	<2	3
BAS-65	1	23	14	63	<.3	12	5	254	1.53	2	<5	<2	<2	63	1.7	<2	<2	34	.88	.077	6	18	.37	69	.06	3	1.04	.04	.06	<2	1
BAS-66	1	30	17	64	<.3	18	8	333	2.41	3	<5	<2	<2	43	.2	<2	<2	59	.51	.074	12	31	.59	109	.09	<3	1.65	.02	.05	<2	4
BAS-67	1	22	15	48	<.3	16	6	278	2.19	2	<5	<2	<2	43	.2	<2	<2	55	.55	.084	11	30	.50	105	.07	<3	1.45	.02	.05	<2	1
BAS-68	1	17	15	62	<.3	17	6	242	2.38	8	<5	<2	3	25	<.2	2	<2	65	.30	.035	9	30	.60	71	.13	<3	1.48	.02	.06	<2	1
BAS-69	1	53	34	136	<.3	20	14	558	2.43	13	<5	<2	<2	81	1.0	2	<2	58	.79	.099	11	29	.80	112	.09	<3	2.51	.05	.05	<2	2
BAS-70	1	40	26	89	.6	31	12	531	2.15	6	<5	<2	2	223	1.0	<2	<2	29	2.08	.097	9	15	.43	34	.08	<3	3.06	.16	.04	<2	1
BAS-104	1	32	10	55	<.3	30	12	452	2.22	2	<5	<2	2	55	<.2	<2	<2	54	.51	.025	5	37	.77	108	.13	<3	1.64	.07	.08	<2	1
BAS-105	1	72	20	89	<.3	50	20	799	3.52	22	<5	<2	3	87	<.2	<2	<2	82	1.21	.048	8	49	1.26	124	.14	<3	2.32	.09	.13	<2	1
BAS-106	1	25	14	101	<.3	28	13	558	2.75	5	<5	<2	3	32	.2	<2	<2	68	.49	.029	10	36	.75	160	.14	<3	2.03	.03	.11	<2	1
BAS-107	1	27	19	182	<.3	32	21	942	3.08	<2	<5	<2	2	41	.3	<2	<2	76	.64	.049	7	39	.83	211	.15	<3	2.08	.03	.06	<2	1
BAS-108	1	71	23	91	<.3	57	18	563	3.65	34	<5	<2	3	89	<.2	<2	<2	100	1.06	.038	9	58	1.63	120	.20	<3	2.91	.10	.13	<2	1
BAS-109	1	95	11	43	.3	39	14	419	1.73	20	<5	<2	<2	52	.4	<2	<2	38	1.04	.048	6	20	.47	68	.08	<3	1.46	.05	.07	<2	1
BAS-110	1	34	16	107	<.3	39	29	1143	2.95	12	<5	<2	2	25	.6	<2	<2	60	.39	.028	8	40	.70	115	.13	<3	1.97	.03	.07	<2	1
BAS-111	1	59	21	491	<.3	57	25	1679	3.13	23	<5	<2	<2	100	1.7	<2	<2	48	1.40	.075	8	32	.63	139	.09	<3	2.92	.03	.05	<2	1
BAS-114	<1	72	9	86	<.3	169	31	542	4.10	17	<5	<2	3	260	.4	<2	<2	106	2.38	.108	8	330	3.86	241	.21	<3	4.12	.20	.41	<2	2
BAS-115	1	43	10	80	<.3	138	27	398	3.83	6	<5	<2	3	211	<.2	<2	<2	100	1.75	.023	6	342	3.82	181	.25	<3	3.93	.18	.24	<2	1
BAS-116	1	64	20	90	<.3	126	28	553	3.64	9	<5	<2	3	98	.4	4	<2	91	1.32	.033	10	230	2.33	120	.21	<3	3.20	.07	.11	<2	1
BAS-119	2	98	14	87	<.3	74	23	1308	3.50	5	<5	<2	2	297	.4	<2	<2	81	2.10	.076	8	62	.99	117	.19	<3	2.59	.24	.07	<2	2
BAS-201	1	35	14	53	<.3	25	9	391	2.50	6	<5	<2	<2	41	.2	<2	<2	63	.52	.093	16	36	.67	144	.08	<3	1.93	.03	.05	<2	2
BAS-202	1	26	14	53	<.3	23	8	356	2.32	7	<5	<2	3	60	<.2	2	<2	57	.95	.049	14	32	.66	113	.10	<3	1.53	.04	.06	<2	3
BAS-203	1	25	13	56	<.3	20	8	396	2.30	8	<5	<2	<2	32	<.2	<2	<2	55	.45	.088	15	31	.59	133	.06	<3	1.79	.02	.05	<2	3
RE BAS-203	1	26	10	58	<.3	20	8	416	2.37	5	<5	<2	<2	33	<.2	2	<2	57	.46	.091	16	32	.62	139	.06	<3	1.86	.02	.05	<2	1
BAS-204	1	30	16	79	<.3	22	9	412	2.43	5	<5	<2	2	55	.3	<2	<2	60	.75	.090	15	33	.68	135	.08	<3	1.91	.03	.06	<2	1
BAS-205	1	20	15	71	<.3	20	8	391	2.56	4	<5	<2	<2	26	.4	<2	<2	61	.25	.065	13	36	.53	91	.07	<3	2.28	.01	.04	<2	2
BAS-206	1	25	19	64	<.3	22	9	416	2.45	6	<5	<2	2	72	.5	2	<2	63	.77	.076	13	34	.66	130	.09	<3	2.21	.03	.05	<2	2
BAS-207	1	25	13	67	<.3	20	9	473	2.22	6	<5	<2	2	39	.7	2	<2	53	.46	.073	13	31	.56	130	.08	3	1.55	.03	.06	<2	2
BAS-208	1	19	13	43	<.3	15	6	272	2.30	4	<5	<2	2	30	<.2	2	<2	59	.35	.065	10	30	.49	80	.08	<3	1.42	.02	.04	<2	1
BAS-209	1	36	49	79	.3	20	9	406	2.33	10	<5	<2	2	62	.4	<2	<2	56	1.23	.118	13	33	.64	122	.06	3	1.75	.03	.06	<2	2
BAS-210	1	33	11	54	.3	24	9	451	2.43	7	<5	<2	2	63	<.2	<2	<2	59	1.04	.070	16	33	.64	120	.08	3	1.62	.04	.06	<2	1
BAS-211	2	72	9	56	<.3	28	9	456	2.53	9	<5	<2	4	49	<.2	<2	<2	61	.65	.073	14	36	.68	125	.09	<3	2.15	.03	.07	<2	2
BAS-212	1	26	15	64	<.3	22	9	508	2.50	5	<5	<2	<2	39	<.2	<2	2	60	.57	.103	16	34	.61	136	.06	<3	1.97	.02	.05	<2	1
BAS-213	1	20	17	62	<.3	21	9	541	2.72	6	<5	<2	3	33	<.2	<2	2	63	.44	.072	60	34	.66	88	.09	<3	1.89	.02	.06	<2	1
BAS-214	1	25	17	70	.4	21	9	583	2.46	5	<5	<2	3	51	.2	<2	<2	60	.85	.075	17	34	.69	102	.09	<3	1.64	.04	.07	<2	2
BAS-215	1	28	11	73	.3	19	9	380	2.27	6	<5	<2	2	53	<.2	<2	<2	53	.77	.113	17	33	.58	143	.06	<3	1.95	.02	.05	<2	2
STANDARD C2/AU-S	21	59	38	143	6.7	71	35	1143	3.80	36	19	8	37	51	19.1	16	19	74	.55	.104	39	64	1.00	194	.09	26	2.00	.06	.14	10	45

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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
BAS-216	1	41	25	81	.3	19	9	490	2.11	9	<5	<2	<2	70	.2	2	<2	49	1.30	.093	14	30	.58	101	.06	<3	1.47	.02	.05	<2	11
BAS-217	1	39	12	58	<.3	18	8	397	2.05	10	<5	<2	<2	69	.2	<2	<2	47	1.04	.091	12	26	.49	109	.05	<3	1.57	.03	.04	<2	1
BAS-218	1	27	10	40	<.3	13	7	388	1.71	9	<5	<2	<2	57	<.2	<2	<2	41	1.13	.090	10	18	.35	76	.04	<3	1.08	.02	.03	<2	2
BAS-219	1	35	26	77	.3	22	11	687	2.67	16	<5	<2	2	66	.4	<2	<2	61	.96	.091	50	35	.68	90	.07	<3	2.22	.02	.05	<2	2
BAS-220	1	37	14	54	<.3	13	5	508	1.04	6	<5	<2	<2	112	1.5	<2	<2	20	2.80	.100	9	14	.23	64	.02	3	.76	.01	.04	<2	2
RE BAS-220	1	34	16	52	<.3	13	5	491	1.02	7	<5	<2	<2	110	1.4	<2	<2	19	2.69	.098	9	13	.22	63	.02	4	.74	.01	.03	<2	1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.