

094262



**ASSESSMENT REPORT  
TRENCHING SAMPLING, ROAD AND RECLAMATION WORK**

completed on the  
**094262** RED CHIEF 2 (YB66843)  
PEEL 20 (YB58182)  
BA 7 & 8 & 14 (YB66733-734 & YB66864)  
MARIE 4 (YB37481)

**WHITEHORSE MINING DISTRICT  
YUKON TERRITORY**

**Work completed  
between July 15 and September 10, 2000**

**Location:** 1. Franklin Lake Area, 15 km west of Whitehorse  
2. NTS 105 D-11  
3. Latitude 60° 40' N  
Longitude 135° 15' W

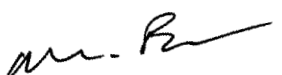
**For:** Sid McKeown  
P.O. BOX 4471  
Whitehorse, Yukon  
Y1A 2R8

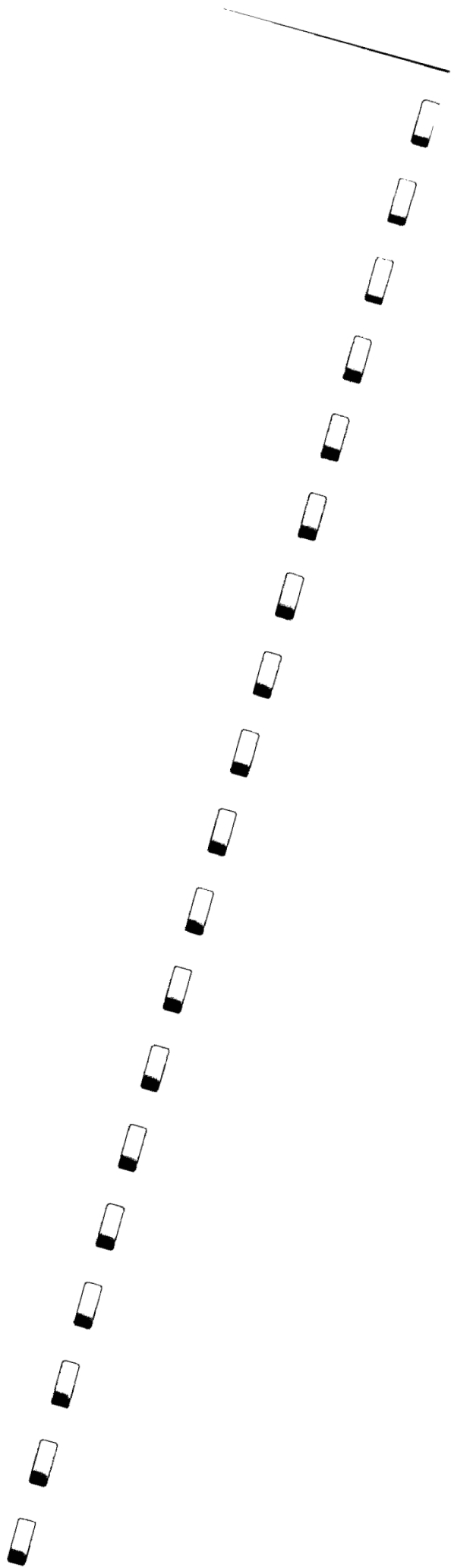
**By:** R. Allan Doherty, P. Geo.  
Aurum Geological Consultants Inc.  
P.O. Box 4367  
Whitehorse, Yukon  
Y1A 3T5

**April 25, 2001**

**AURUM GEOLOGICAL CONSULTANTS INC.**

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 \$ 6000.00.

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



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**Claims:** Marie 1-4 (YB37478-YB37481)  
Nana 1-4 (YB57721-YB57724)  
Peel 1-22 (YB66824-YB66845)  
Peel 24-37 (YB66847-YB66860)  
Ba 1-14 (YB66861-YB66864)  
Protector 1-4 (YB58180-YB58183)  
Red Chief 1-2 (YB57725-YB57726)

**For:** **Sid McKeown**  
P.O. BOX 4471  
Whitehorse, Yukon  
Y1A 2R8

**By:** R. Allan Doherty, P. Geo.  
**Aurum Geological Consultants Inc.**  
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## INTRODUCTION

This report describes the exploration and reclamation work carried out on the BA 7, 8 & 14, MARIE 4, PEEL 20, AND RED CHIEF 2 claims, located 5 km west of the City of Whitehorse, Yukon, between August 10 and September 10, 2000. The author visited the property with Mr. Sid McKeown on August 10 and the actual work was completed by Sid McKeown between July 15 and September 15, 2000.

The claims cover an area of Upper Triassic Lewes River Group limestone, intruded by mid-Cretaceous quartz monzonite and granodiorite of the Jackson Creek Pluton. Mineralization is typical of skarns of the Whitehorse Copper Belt as well as showing potential for low grade bulk tonnage gold mineralization. The work consisted of trenching, road building, and collecting rock samples on the above mentioned claims. The total value of exploration and reclamation expenditures filed for credit is \$6,050.00.

## LOCATION, AND ACCESS

The Claims form a contiguous block of 64 claims located fifteen kilometers west of the City of Whitehorse, Yukon Territory, and 3 km west of Jackson Lakes. Access is by a five km four-wheel drive road from kilometer 12 on the Fish Lake road.

## TOPOGRAPHY, CLIMATE

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.

White 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. Trenching and drilling sites used in the early 1980 are now mostly overgrown with willows grasses and small trees.

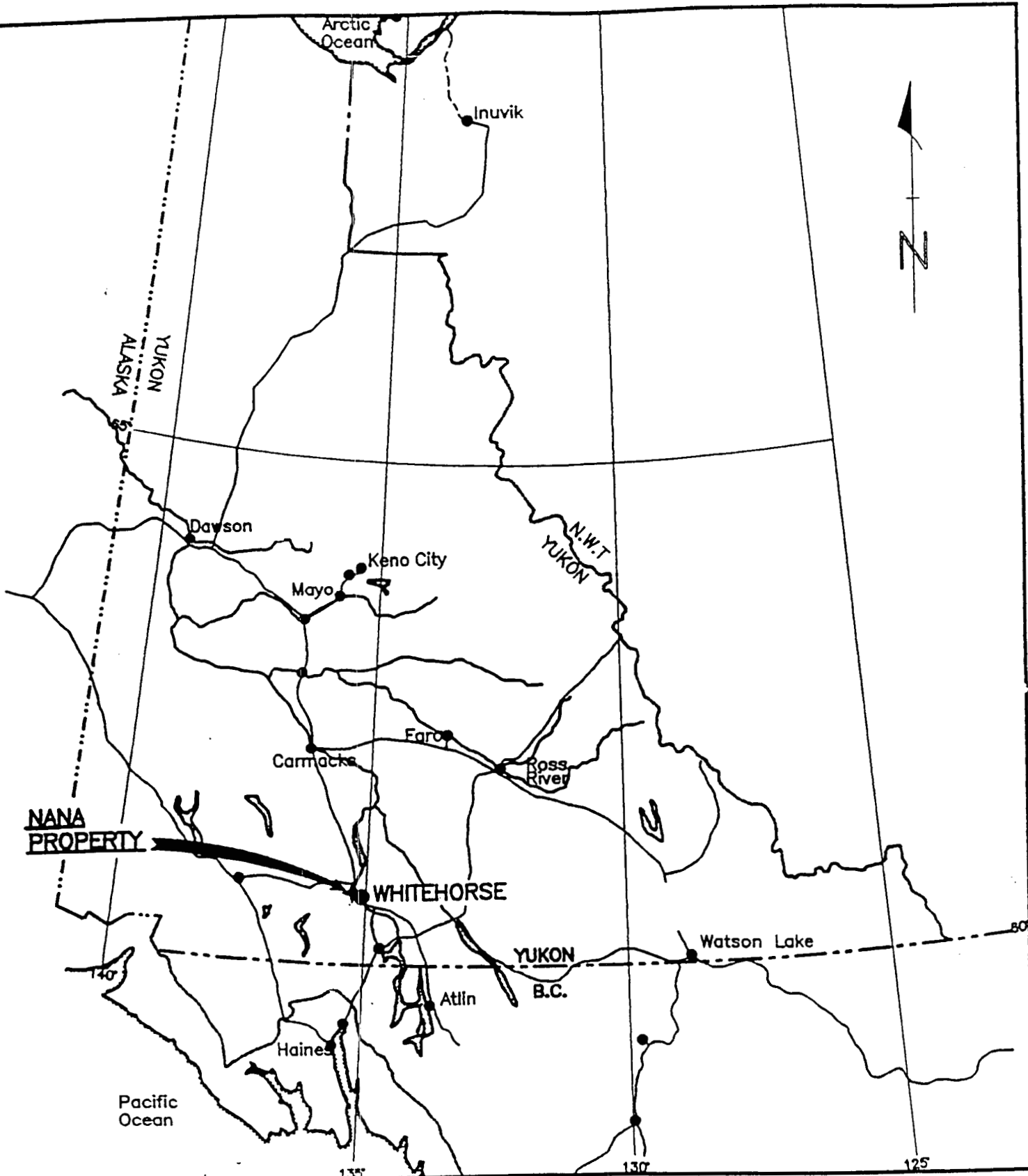
## PROPERTY

The Jackson Creek properties comprise 64 full and fractional quartz mineral claims that cover an area of Triassic Lewis River Group limestone which has known copper -gold skarn mineral occurrences. The claims are all contiguous and cover some 1,212 hectares (3000 acres) from Franklin Lake westward over a northwest trending ridge that forms the eastern side of the Ibex River Valley. Current claim data are as follows:

**TABLE I: JACKSON CREEK Claim Data**

CLAIM NAME	GRANT NUMBERS	MINING DIST.	EXPIRY DATE *
BA 1	YB66861	WHITEHORSE	2002/11/07
BA 2	YB66728	WHITEHORSE	2002/11/07
BA 3	YB66862	WHITEHORSE	2004/11/07
BA 4	YB66730-	WHITEHORSE	2001/11/07
BA 5	YB66731	WHITEHORSE	2002/11/07
BA 6	YB66732	WHITEHORSE	2003/11/07
BA 7	YB66733	WHITEHORSE	2004/11/07
BA 8	YB66734	WHITEHORSE	2003/11/07
BA 9	YB66863	WHITEHORSE	2001/11/07
BA 10	YB66736	WHITEHORSE	2002/11/07
BA 11	YB66737	WHITEHORSE	2001/11/07
BA 12-13	YB66738-YB66739	WHITEHORSE	2002/11/07
BA14	YB66864	WHITEHORSE	2000/11/07
MARIE 1-4	YB37478-YB37481	WHITEHORSE	2003/11/07
NANA 1-4	YB57721-YB57724	WHITEHORSE	2005/06/29
PEEL 1-8	YB66824-YB66831	WHITEHORSE	2002/05/22
PEEL 9-10	YB66832-YB66833	WHITEHORSE	2001/05/22
PEEL 11-12	YB66834-YB66835	WHITEHORSE	2004/05/22
PEEL 13-14	YB66836-YB66837	WHITEHORSE	2003/05/22
PEEL 15	YB66838	WHITEHORSE	2001/05/22
PEEL 16-17	YB66839-YB66840	WHITEHORSE	2004/05/22
PEEL 18-19	YB66841-YB66842	WHITEHORSE	2006/05/22
PEEL 20	YB66843	WHITEHORSE	2003/05/22
PEEL 21	YB66844	WHITEHORSE	2002/11/07
PEEL 22	YB66845	WHITEHORSE	2003/11/07
PEEL 24	YB66847	WHITEHORSE	2003/05/22
PEEL 25	YB66848	WHITEHORSE	2001/05/22
PEEL 26	YB66849	WHITEHORSE	2003/05/22
PEEL 27-31	YB66850-YB66854	WHITEHORSE	2001/05/22
PEEL 32-35	YB66855-YB66858	WHITEHORSE	2006/05/22
PEEL 36-37	YB66859-YB66860	WHITEHORSE	2005/05/22
PROTECTOR 1-4	YB58180-YB58183	WHITEHORSE	2004/09/06
RED CHIEF 1-2	YB57725-YB57726	WHITEHORSE	2008/06/29

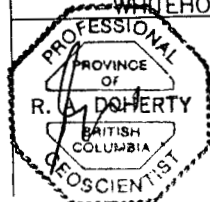
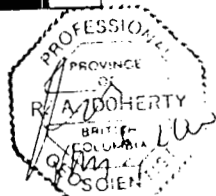
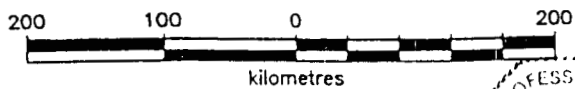
\* subject to approval of 2000 assessment work outlined in this report. Claims in bold had work applied for in 2000 Assessment Certificates.



SIDROCK EXPLORATIONS

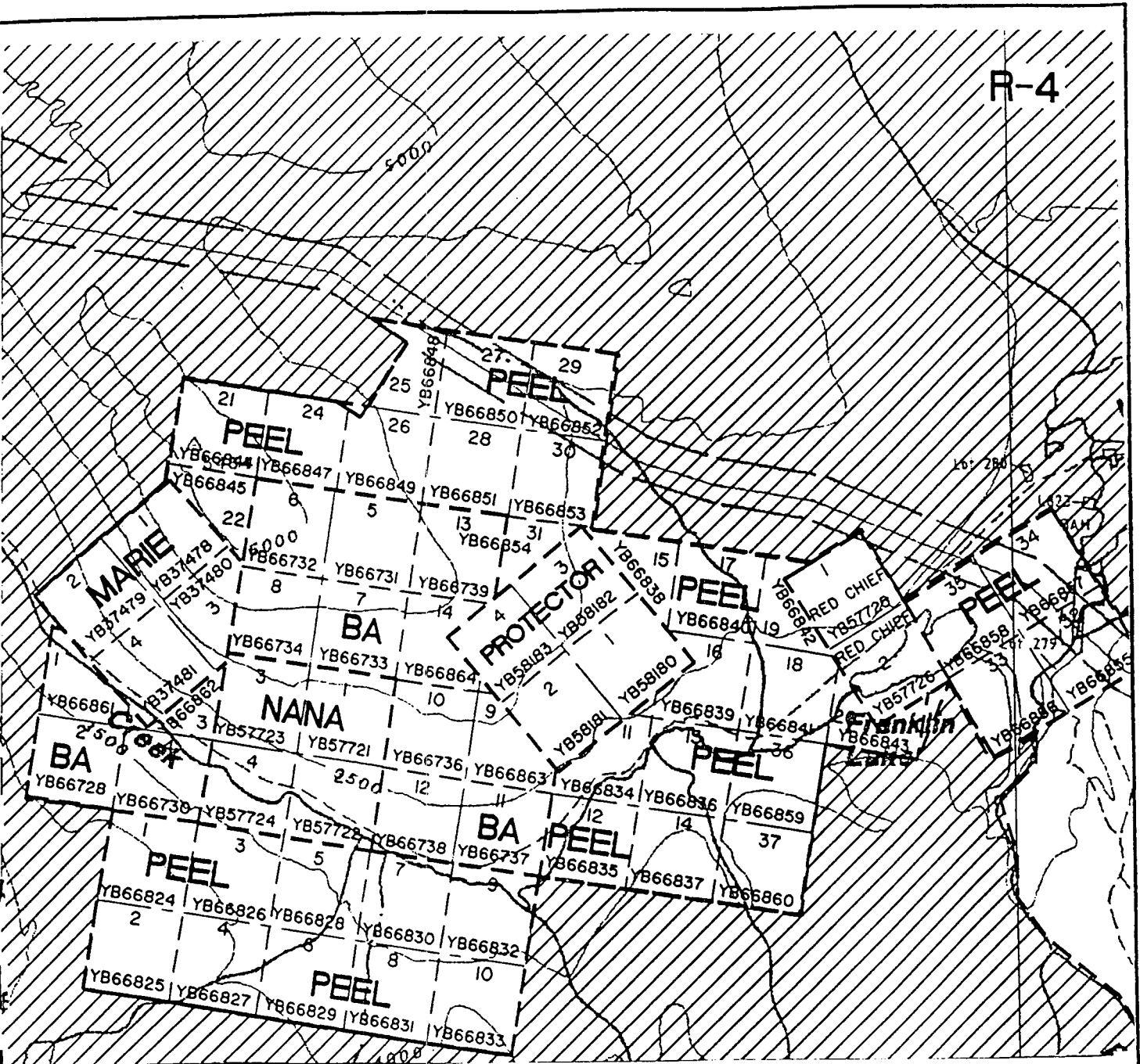
NANA 1-4

WHITEHORSE MINING DISTRICT, YUKON TERRITORY

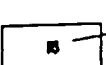
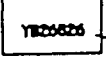


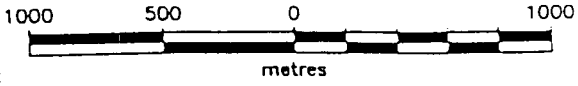
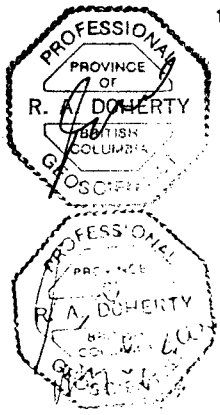
LOCATION MAP

R-4



Legend

 CLAIM #  
 GRANT#



SIDROCK EXPLORATIONS	
NANA 1-4	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
CLAIM MAP	
Atum Geological Consultants Inc.	Date: JUNE, 1997



## EXPLORATION 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.

Property history is taken from Yukon Minfile 105D #076. The Nana 1-4 claims occupy the ground formally staked as the Ruth 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 ML 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."*

## REGIONAL GEOLOGY

The Whitehorse trough is a broad northwest trending synclinorium that is underlain by Triassic Lewis River Group greywacke, argillite, arkose and limestone; lower to middle Jurassic Laberge Group shale greywacke and conglomerate; and Lower Cretaceous Tantalus Formation. The Whitehorse trough strata were subsequently amalgamated with the Carboniferous-Permian Cache Creek Terrane and accreted to the western margin of North America.

Whitehorse Trough strata were subsequently intruded by Cretaceous Coast Plutonic Complex granites, granodiorites and monzonites. Tertiary volcanics and intrusions are common south of Whitehorse associated with the Bennett and Skukum Caldera complexes.

## 2000 WORK PROGRAM

### Introduction

The initial work plan for the 2000 exploration season included mobilizing a diamond drill to the property to re-drill or twin hole KT-7 which intersected 4.6 m grading 9.9 g/T gold. A drill was not available and as a result surface work was completed to maintain the claims.

### BA 7-8 (YB66733-34) \$1,000.00 of assessment work

Two old drill hole sites DDH KT-8 and KT9 were relocated and parts of the core were collected for assaying. Four core samples (BA8-1, BA8-2, BA8-3, and GN281) were collected and submitted for analyses. Sample descriptions are found in Appendix A and Geochemical Analysis in Appendix B. An additional two samples were collected from old trenches on the BA 8 claim (Samples BA8-4 and BA8R). Three samples were collected from an old trench on BA 7 claim. Samples BA7-6, BA7-1C and BA7-19 are weakly mineralized skarn samples. One core sample BA8-2 returned an analyses of 40140.9 ppb Au ( 40.14gm/T with 3.8% Bi and values for Mo, Cu, Pb.

### BA 14 (YB66864) \$800.00 of assessment work

Two hours of TD15-C Caterpillar time was spent making road repairs on the BA 14 claim and another six hours was spent cleaning and digging in an old trench on BA 14. Six samples of variably mineralized skarn and quartz-sulphide veins were sampled from the trench and submitted for analyses. Samples BA14-1 through BA14-6 are described in Appendix A and the Analytical results are found in Appendix B. Samples BA14-2 and BA14-4 returned gold analyses of 12.1 and 16.8 gm/T Au respectively.

### RED CHIEF 2 Claim (\$2,000.00 of assessment work)

A total of 10 hours of TD15-C Caterpillar time was spent completing back-filling and contouring of old trenches. An additional ten hours was spent excavating a cut face on the RED CHIEF 2 claim.

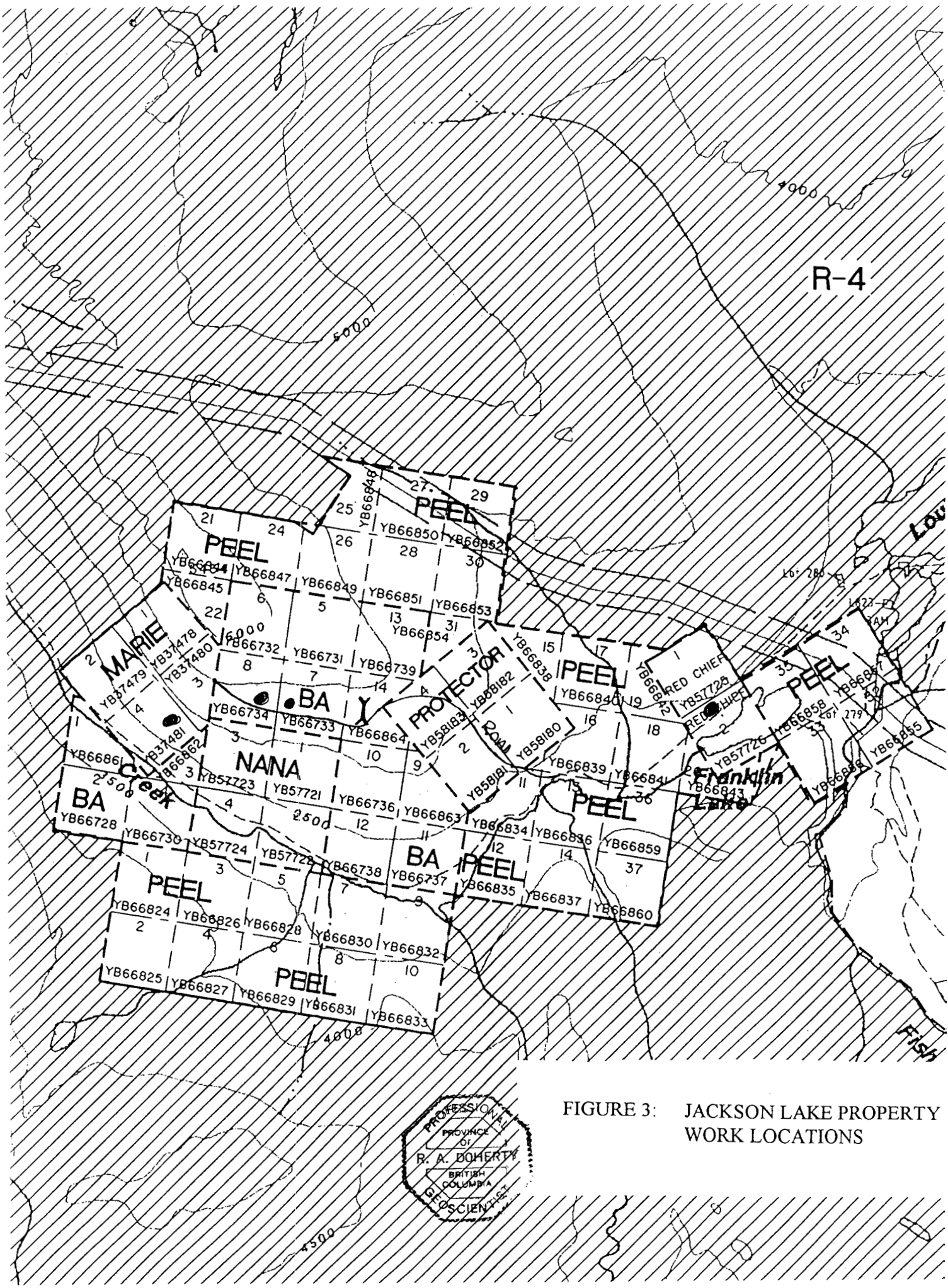
### Marie 4 (\$2000 of Assessment work)

Four man days were spent drilling percussion drill holes with a Pungar hand held drill on the MARIE 4 CLAIM. One sample M-4 was submitted for analyses.

### Peel 20 Claim (\$200 of assessment work)

Two hours of road work and reclamation was completed on the Marie 4 claim.

R-4



PROFESSIONAL  
PROVINCE OF  
B. A. BOHERTY  
BRITISH  
COLUMBIA  
GEOLOGICAL

FIGURE 3: JACKSON LAKE PROPERTY WORK LOCATIONS

## CONCLUSIONS and RECOMMENDATIONS

The work completed in 2000 consisted of sampling old trenches, some percussion drilling, road work and reclamation. The Jackson lake property hosts skarn copper-and gold mineralization with grades from drill holes

All old workings should be re-mapped using a hand held GPS. If the claims are to be maintained, one or two drill holes should be completed to further investigate high grade gold zones within the skarn.

## STATEMENT OF COSTS

2000 Assessment Work Valuation; **Jackson Lake Claims, 105 D-11**. Work completed between July 15 and September 10, 2000. A total of 64 claims and \$6,050.00 of work applied.

### A. Personnel

Sid McKeown, July 15-September 10, 2000 5 days @ \$250/day	\$1,250.00
Dean Vollmer, Cat Operator July 15-September 10, 2000 5 days @ \$250/day	\$1,250.00
A. Doherty, P. Geo August 10, 2001 1 day @ \$400/day	\$ 400.00

### B. Expenses

D-6 Cat rental Costs (14 hrs at \$100/hr)	\$ 1,400.00
Cat Mobilization and Demobilisation:	\$ 550.00
Truck rental	\$ 200.00
Pungar Drill rental ( 3 days @ \$100/day)	\$ 300.00
Geochemical analysis (16 samples @ \$20 each)	\$ 300.00

### C. Report Costs

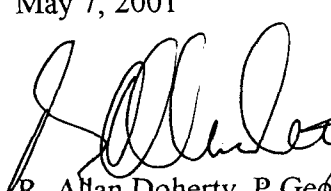
Report Writing and Drafting	\$ 600.00
<b>Sub-Total</b>	<b>\$6,250.00</b>
GST (7% of \$6,250.00)	\$ 437.50
<b>TOTAL ASSESSMENT VALUE</b>	<b>\$6,687.50</b>

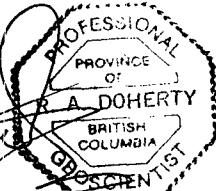
## STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, with business address:  
Aurum Geological Consultants Inc.  
P.O. Box 4367  
Whitehorse, Yukon  
Y1A 3T5

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., P.O. Box 4367, Whitehorse, Yukon.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons.B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland (1978-81). I have been involved in geological mapping and mineral exploration continuously since then.
3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564.
4. I have based this report on property work completed between July 15 and September 10, 2000. Work was supervised by Sid McKeown. I visited the property on August 10, 2000.
5. I consent to the use of this report by Sidrock Ltd., for assessment purposes only.

May 7, 2001

  
R. Allan Doherty, P. Geoscientist



**APPENDIX I**  
**SAMPLE DESCRIPTIONS**

Sid McKeown Samp

BANANA PROPERTY WHITEHORSE COPPER BELT 105D11

Sample ID	Location	Description
BA7-6	BA 7	Siliceous banded skarn with 1% disseminated chalcopyrite
BA7-1C	BA 7	Magnetite, chlorite, chalcopyrite skarn. Disseminated and blebby Cpy. >30% magnetite, minor calcite. Malachite and azurite staining
BA7-19	BA 7	Garnetiferous limey skarn. Disseminated Cpy. Minor magnetite rich bands.
BA8-1	BA 8	Chlorite and sericite altered medium grained andesite dike rock from bottom of hole KT8. no carbonate or magnetite, no visible sulphides.
BA8-2	BA 8	Fine grained dark green, weakly calcareous skarn or honfels. Contains pods of magnetite and a few discreet grains of galena(?). DDH KT-8
BA8-3	BA 8	Medium grained andesite porphyry, contains some minor calcite pods and veins. Non-magnetic and very minor sulphides
GN281	BA 8	Light grey-green serpentinized. Mafic-ultramafic dyke rock. Non-magnetic and no calcite. . Similar to BA8-1
BA8-4	BA 8	Dark grey medium grained honfels containing biotite, hornblende, garnet and minor quartz veinlets. Limonite stained and minor ankerite and trace sulphides.
BA8R	BA8	Dark green massive diopside CPX skarn with minor calcite, magnetite and sphalerite?. Silicified and very hard rock.
BA14-1	BA14	Massive pod or vein of skarn sulphides. Dark grey black with oxidized and rusty weathered surface. 30% magnetite, 20% pyrite, 10 % Chalcopyrite. Other fine grained sulphides. Silicified.
BA14-2	BA14	Quartz and sulphide vein. Coxcomb quartz veins with fine grey-black sooty disseminated sulphide bands. Pyrite is only readily identifiable sulphide.
BA14-3	BA14	Quartz crystals up to 3 cm long cemented by a calcite and limonite matrix. No visible sulphides.



Sheet1

BA14-4	BA14	Same as BA14-2.
BA14-5	BA14	From Trench, garnet quartz skarn, both pink andradite garnet and a black variety. Some disseminated chalcopyrite Possible sphalerite.
BA14-6	BA14	From Trench, Quartz, magnetite and chalcopyrite sulphide skarn.
M4	Marie 4	Sulphide pod, magnetite, pyrite, chalcopyrite

**APPENDIX II**

**Analytical Certificates**



GEOCHEMICAL ANALYSIS CERTIFICATE



Aurum Geological Consultants Inc. PROJECT Sid McKeown File # A101180

P.O. Box 4367, Whitehorse YT Y1A 3T5 Submitted by: Al Doherty

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
BA7-6	6	5175	3	36	7.8	17	7	170	1.43	43	<8	<2	3	637	1.1	<3	4	44	5.75	.118	9	22	.71	381	.13	4	6.66	.14	.51	3	28.0
BA7-1C	87	64078	28	3102	192.4	4	88	4963	21.44	9	<8	<2	<2	33	38.8	<3	347	8	1.96	.007	2	10	.51	19	.01	<3	.29	.01	.02	147	340.4
BA7-19	<1	37	4	52	<.3	5	<1	5704	11.35	159	<8	<2	<2	29	1.7	<3	<3	34	15.29	.067	<1	27	.33	4	.03	<3	.98	.01	.04	39	2.0
BAB-1	<1	13	<3	199	<.3	2	15	3794	2.68	6	16	<2	7	179	<.2	<3	<3	<1	5.16	.052	7	6	10.45	461	.04	5	4.19	.02	2.59	4	6.6
BAB-2	2244	351	1026	18	14.6	2	18	3102	5.35	20	115	39	2	56	.4	77	38591	41	6.92	.041	9	8	.54	9	.01	9	.16	.02	.04	345	40140.9
BAB-3	2	131	6	48	.3	20	13	403	3.16	2	<8	<2	3	134	<.2	<3	17	93	1.90	.102	8	39	.96	49	.12	6	.81	.09	.10	4	28.1
GN281	<1	4	6	90	<.3	1	6	2352	1.46	4	62	<2	17	94	<.2	<3	8	<1	4.34	.090	6	5	8.16	15	.01	3	2.54	.01	.02	7	4.4
BAB-4	1	99	3	88	<.3	90	50	1330	5.94	<2	<8	<2	5	69	<.2	<3	7	26	4.18	.056	8	36	.74	31	.11	3	2.23	.11	.21	4	6.2
BABR	2	4	<3	51	<.3	2	5	6466	1.50	<2	<8	<2	<2	88	.4	3	6	2	10.19	.048	1	9	.12	72	<.01	6	.05	.01	.03	223	5.2
BA14-1	<1	78459	4	2852	292.2	49	480	2075	29.84	<2	<8	<2	<2	16	33.6	<3	30	16	1.19	<.001	1	11	.33	4	.01	<3	.15	.01	.01	<2	1364.4
BA14-2	<1	11238	2556	1119	210.5	2	7	4382	13.98	75962	<8	12	<2	63	50.3	6611	74	7	3.11	.018	<1	11	.23	13	<.01	<3	.51	.01	.09	<2	12106.3
BA14-3	5	48	10	9	7.9	4	3	2087	1.83	117	<8	<2	<2	181	.3	26	<3	3	8.62	.001	<1	18	.43	5	<.01	9	.10	.01	<.01	5	1.8
BA14-4	1	7482	5058	516	218.0	5	20	135	15.80	51796	<8	14	<2	77	22.4	4297	124	7	3.46	.012	1	16	<.01	9	<.01	<3	.15	<.01	.06	<2	16856.6
RE BA14-4	1	7244	4923	506	205.6	5	18	120	15.24	48897	15	17	<2	73	21.9	4174	119	7	3.26	.013	1	14	<.01	8	<.01	<3	.16	<.01	.06	<2	18138.4
BA14-5	758	62957	28	18	36.6	8	10	2370	17.21	58	51	<2	<2	2	3.2	4	275	9	11.62	<.001	6	17	.05	2	.01	<3	.23	.01	.01	170	658.9
BA14-6	3	53570	9	1400	238.8	28	228	3598	16.78	22	<8	<2	<2	68	17.2	<3	20	11	6.78	.003	<1	9	.23	2	.01	<3	.09	.01	.01	8	1611.7
M4	2	79034	41	2124	286.0	42	389	2856	22.18	208	<8	<2	<2	43	26.0	60	20	6	4.07	<.001	1	7	.15	4	.01	<3	.05	.01	.01	12	1935.2
STANDARD DS3	9	126	32	169	.5	36	12	818	3.54	31	<8	<2	5	32	6.2	7	7	77	.57	.091	18	189	.61	149	.09	<3	1.79	.04	.17	5	21.0

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
 UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK R150 60C AU\* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 2 2001 DATE REPORT MAILED: *May 14/01* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS