

ASSESSMENT REPORT

for the

EXPLORATION WORK

on the

**RED CHIEF 1-2
QUARTZ MINING
CLAIMS
(YB57725-YB57725)**

**WHITEHORSE,
YUKON TERRITORY**

**NTS 105 D/11
ZONE 8
LATITUDE 60-42 N
LONGITUDE 135-15W**

between

JUNE, 1996

JUNE, 1997

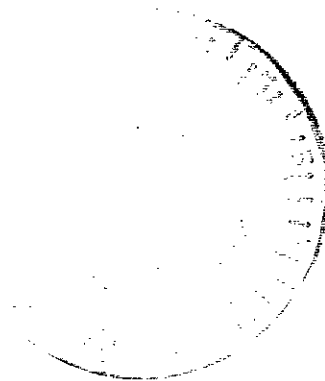
**WHITEHORSE MINING DISTRICT
YUKON TERRITORY**

by

JOSEPH A. J. CLARKE

for

**SID McKEOWN
WHITEHORSE, YUKON
JUNE, 1997**



093897

INTRODUCTION	3
LOCATION, AND ACCESS	3
TOPOGRAPHY, CLIMATE	3
EXPLORATION HISTORY	3
REGIONAL GEOLOGY	4
PROPERTY GEOLOGY AND EXPLORATION	4
CONCLUSIONS AND RECOMMENDATIONS	5
APPENDIX I	6
LIST OF FIGURES	
FIGURE 1: LOCATION MAP (1:6,000,000)	7
FIGURE 2: CLAIM MAP (1:30,000)	8
FIGURE 3: PROPERTY GEOLOGY (1:15000)	9
APPENDIX II	
<u>ASSAY RESULTS</u>	10
APPENDIX III	
<u>STATEMENT OF EXPENDITURES</u>	11
APPENDIX IV	
<u>STATEMENT OF QUALIFICATIONS</u>	12
APPENDIX V	
<u>ACKNOWLEDGMENTS</u>	13

INTRODUCTION

This report describes the exploration work carried out on the Red Chief 1-2 claims, located 5 km west of the City of Whitehorse, Yukon, between June, 1996 and June, 1997. The claims cover an area of Upper Triassic Lewes River Group limestone, possibly intruded by mid-Cretaceous quartz monzonite and granodiorite of the Jackson Creek Pluton. Mineralization is typical of skarns of the Whitehorse Copper Belt. The work consisted of 3 day of mechanical trenching and geochemical analysis of 4 rock samples. The total value of exploration expenditures for 1996 is \$2700.00

LOCATION, AND ACCESS

The Red Chief 1-2 claims are located four km west of the City of Whitehorse, Yukon Territory, and two 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 Red Chief 1-2 claims occupy the north and south shore of the west half of Franklin Lake. Elevation ranges from 3400' to 3900'. 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.

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 #079. The Red Chief 1-2 claims occupy the ground formally staked as the Wolf claims.

Staked as JJ cl (Y23444) in Feb:68 by J. Johns and J. Bunberry. Restaked as Wolf cl (Y67800) in Dec:72 by S. Takacs, who built a road in 1973 and drilled several short holes (22.6 m) in 1984. Restaked by S. McKeown as Red Chief cl (YB27601) in June 1990. Restaked as Grouse 1-5 claims (YB37473) by S.J. Takacs in Sep:92.

REGIONAL 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 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 AND EXPLORATION

Rocks of two units are exposed on the property (see fig 3). Limestone of the Triassic Lewes River Group limestone and Jurassic Laberge Group Conglomerate. Cat trenching in 1996 exposed rusty mineralized calcareous sedimentary rock. Containing fine grained pyrite and chalcopryrite to 5%. Sample RC3 returned values of 6358 ppb Au, 51.2 ppm Ag and 9.4% Cu. Sample RC2 returned values of 40 ppb Au, 8.0 ppm Ag, and 1.2% Cu.

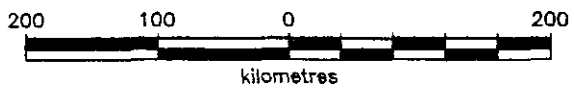
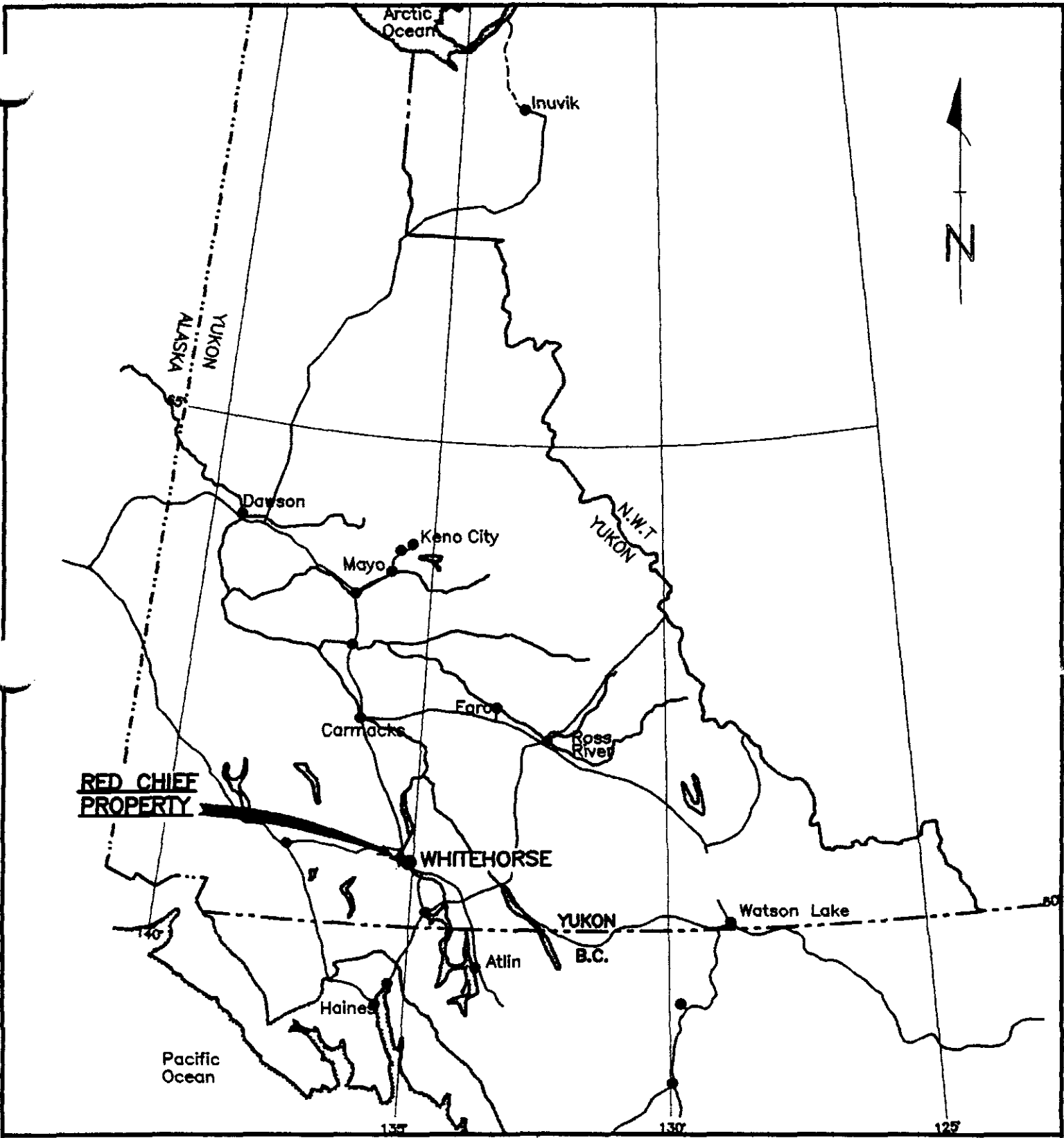
CONCLUSIONS and RECOMMENDATIONS

A flagged picketed should be laid out followed by detailed geological mapping and a magnetic/VLF survey. Any significant areas of mineralization should be trenched by hand or mechanical means then sampled.

A significant number of chip samples should be taken to give an indication of grade. A light reverse circulation or diamond drill should then be brought in to test the depth of mineralization.

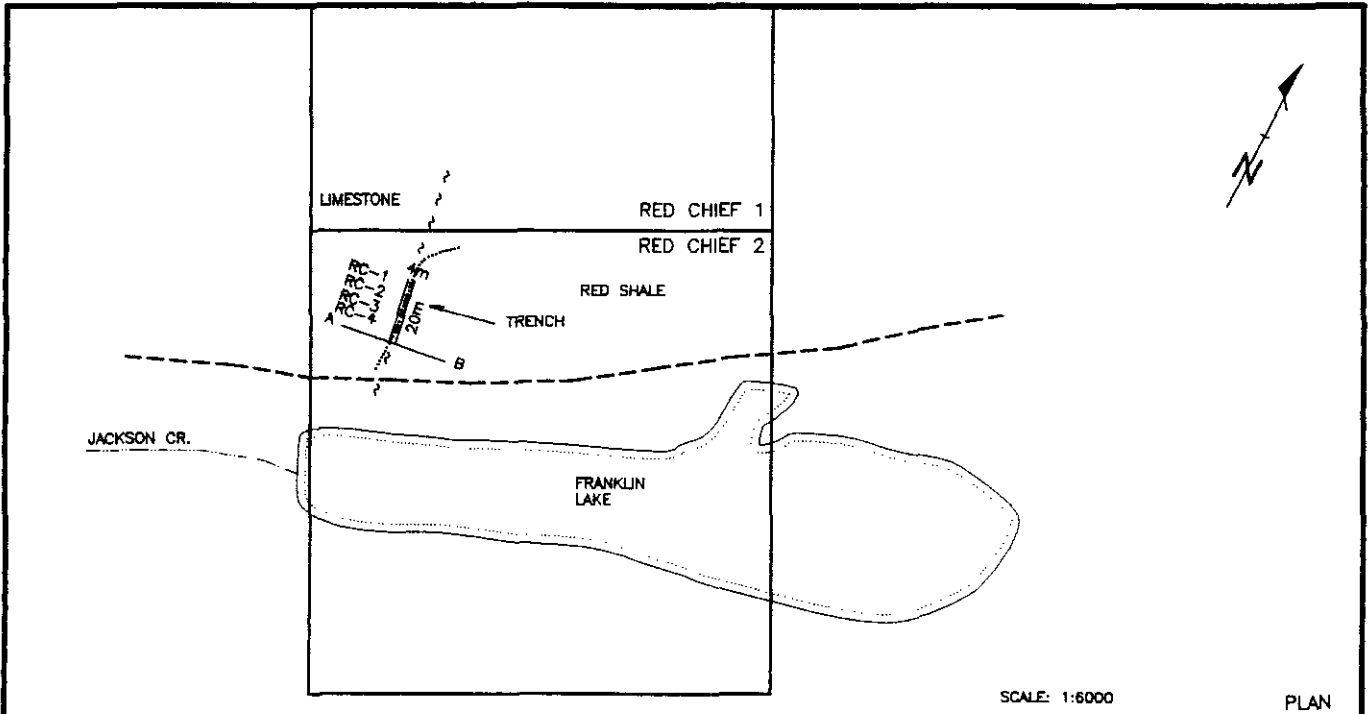
APPENDIX I

LIST OF FIGURES



SIDROCK EXPLORATIONS
 RED CHIEF 1-4
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY

LOCATION MAP

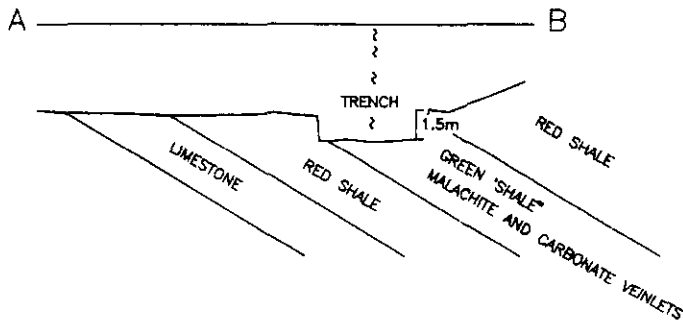


SCALE: 1:6000

PLAN

SCALE: 1:300

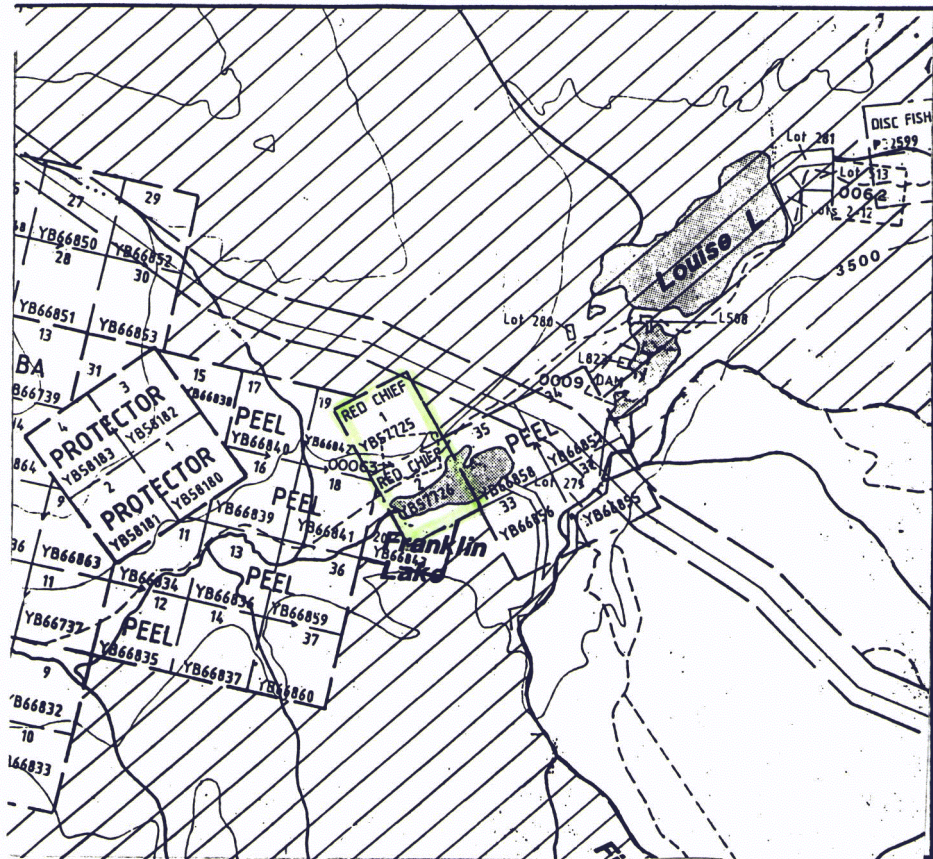
SECTION



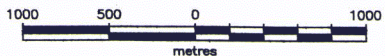
LEGEND

- CREEK
- ROAD
- LAKE
- GEOLOGICAL CONTACT
- ~~~~~ FAULT
- PC-1 x ROCK SAMPLE LOCATION
SEE REPORT FOR ASSAY RESULTS

SIDROCK EXPLORATIONS	
RED CHIEF 1-2	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
TRENCH MAP	
<i>Aurum Geological Consultants Inc.</i>	Date: JUNE, 1997
NTS: 105_D/11 Drawn: JC	Scale: Figure: 4

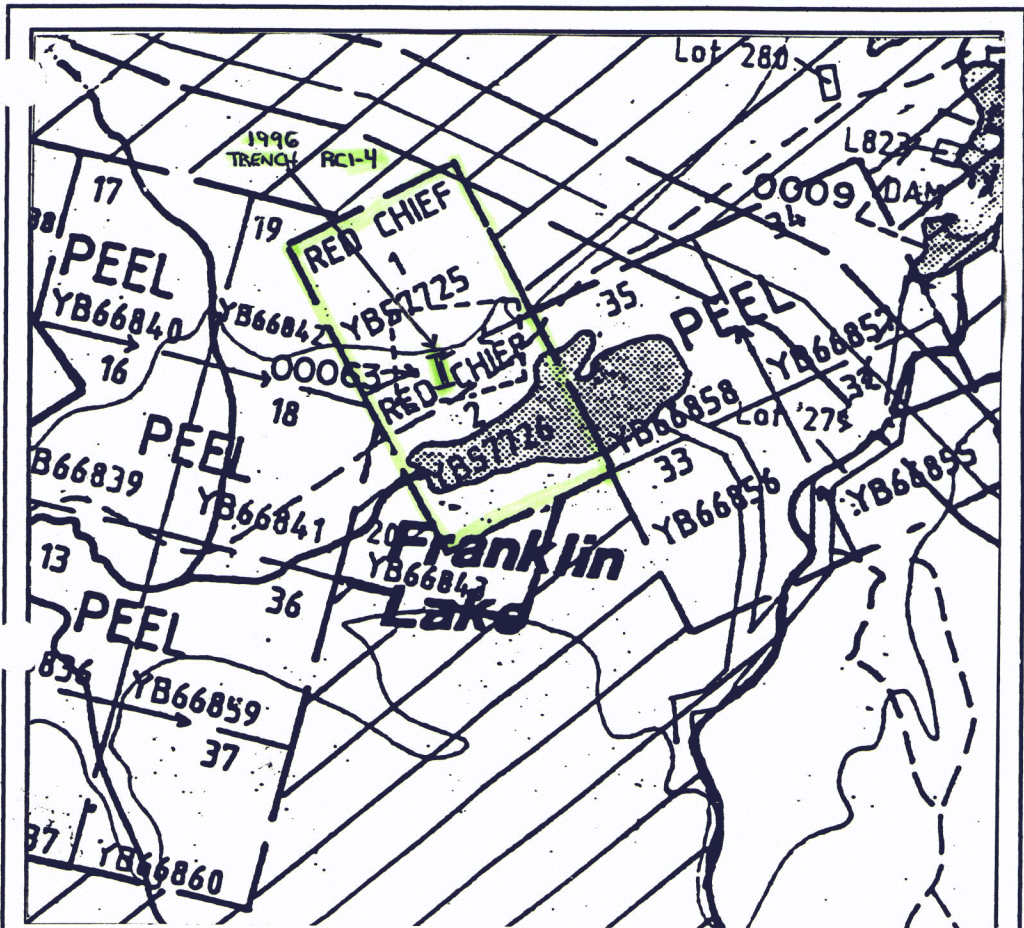


Legend



- 15 CLAIM #
- YB66850 GRANT#

SIDROCK EXPLORATIONS RED CHIEF 1-2 WHITEHORSE MINING DISTRICT, YUKON TERRITORY
<h2>CLAIM MAP</h2>
Aurum Geological Consultants Inc. Date: JUNE, 1997 NTS: 105 D/11 Drawn: JC Scale: 1:30000 Figure: 2



SIDROCK EXPLORATIONS	
RED CHIEF 1-2	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
PROPERTY GEOLOGY	
AND	
EXPLORATION WORK	
Aerum Geological Consultants Inc.	Date: JUNE, 1997
NTS: 105 D/11	Drawn: JC Scale: 1:30000 Figure: 3

APPENDIX II
ASSAY RESULTS

27/09/96

Assay Certificate

Page 1

Sidrock
Sid McKeown

WO# 07024

Sample #	Au ppb
RC 1	18
RC 2	40
RC 3	6358
RC 4	23
	<5
	<5
	461
	1270
	17

Certified by 



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL (0827

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

Client: Northern Analytical Laboratories
Project: W.O. 07024 12 Pulp

iPL: 96H0827

Out: Sep 10, 1996
In: Aug 30, 1996

Page 1 of 1
[082714:58:42:69091096]

Section 1 of 2
Certified BC Assayer: David Chiu

Sample Name	Au ppb	Pt ppb	Pd 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	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %
RC 1	20	<	<	5.0	25	905	222	<	<	<	5	<	<	<	63	42	15	<	38	0.1%	282	<	3	5	1	0.15	0.25	0.14	20%
	24	<	<	0.9	1999	109	74	<	<	<	4	<	<	<	29	46	14	<	12	46	250	<	19	4	<	0.01	0.07	1.97	17%
	58	<	<	<	58	33	82	<	<	<	5	<	<	<	98	100	41	<	17	364	785	<	12	2	3	0.07	0.54	0.26	11%
RC 2	---	---	---	0.3	23	34	60	52	<	<	4	<	<	<	6	4	104	<	2	10	196	3	69	4	1	<	0.94	0.63	1.50
	---	---	---	8.0	11568	753	74	74	5	<	4	<	<	0.3	13	22	198	<	34	55	1767	8	181	2	5	0.02	2.06	14%	1.97
RC 3	---	---	---	51.2	9.4%	48	294	<	<	<	6	<	370	1.4	88	64	42	18	10	54	1375	<	12	8	<	0.01	0.30	0.18	23%
RC 4	---	---	---	0.7	30%	69	600	55	11	<	5	<	<	2.2	69	19	66	59	17	44	1868	3	42	2	6	0.01	1.53	0.34	1.22
	---	---	---	<	971	11	53	30	<	<	3	<	<	0.1	14	28	86	<	91	49	385	15	224	11	4	0.12	2.00	3.92	1.52
	---	---	---	<	926	11	37	20	<	<	2	<	<	<	7	8	22	<	41	20	331	8	77	4	3	0.09	1.03	3.22	0.97
	---	---	---	11.7	6898	12	22	8	7	<	1552	<	186	0.1	3	3	79	<	69	<	63	5	36	3	<	0.05	0.34	0.39	0.73
	---	---	---	35.0	8228	16	46	16	20	<	5176	<	270	0.4	5	<	79	<	115	<	109	5	49	2	<	0.05	0.47	0.42	1.00
	---	---	---	7.0	489	16	27	14	<	<	79	<	5	0.2	2	9	43	<	162	6	55	<	19	1	<	0.01	0.16	0.06	0.43

Min Limit 2 15 5 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
Max Reported* 9999 10000 10000 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99
Method FAAS FA/AAS FA/AAS ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 Z=Estimate X Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

APPENDIX III

STATEMENT OF EXPENDITURES

**Prospecting and Sampling
Summer 1995**

Cat Rental	24 hr @ \$100/hr	\$2400.00
Geochemical Assays	4 Assays @ \$25 ea.	\$100.00
Report Costs		\$200.00
TOTAL COST		<u>\$2700.00</u>

APPENDIX V

ACKNOWLEDGMENTS

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

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