

ASSESSMENT REPORT

for the

EXPLORATION WORK

on the

**NANA 1-4
QUARTZ MINING
CLAIMS
(YB57721-YB57724)**

**WHITEHORSE,
YUKON TERRITORY**

**NTS 105 D/11
ZONE 8
LATITUDE 60-42 N
LONGITUDE 135-16W**

**between
JUNE, 1996
JUNE, 1997**

**WHITEHORSE MINING DISTRICT
YUKON TERRITORY**

by

JOSEPH A. J. CLARKE

for

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

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INTRODUCTION	3
LOCATION, AND ACCESS	3
TOPOGRAPHY, CLIMATE	3
EXPLORATION HISTORY	4
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 Nana 1-4 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, 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 3 day of Cat trenching and drilling and blasting, 1300 metres of running flagged lines, and collection and assaying of 26 soil samples. The total value of exploration expenditures for 1996 is \$2270.12

LOCATION, AND ACCESS

The Nana 1-4 claims are located five km west of the City of Whitehorse, Yukon Territory, and 3km 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 Nana 1-4 claims occupy the valley and the north side Jackson Creek. Elevation ranges from 3300' to 4700'. 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 #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. Krefl, 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. Krefl 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 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 three units are exposed on the property (see fig 3). The western half of the property is drift covered overlying probable granodiorite of the Jackson Cr. Pluton. The north east portion of the property contains numerous exposure of granodiorite intruding Lewes River Group limestone. This has resulted in the development of intense

skarnification. Skarns range from garnet-diopside with epidote to magnetite\hematite rich. Skarn widths average 2-4 meters.

Cat trenching and blasting failed to intersect any significant mineralization. It is felt that trenching should be conducted approximately 200 m uphill from the 1996 area work.

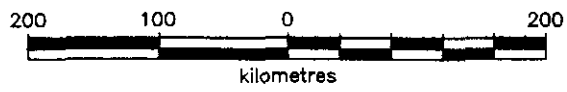
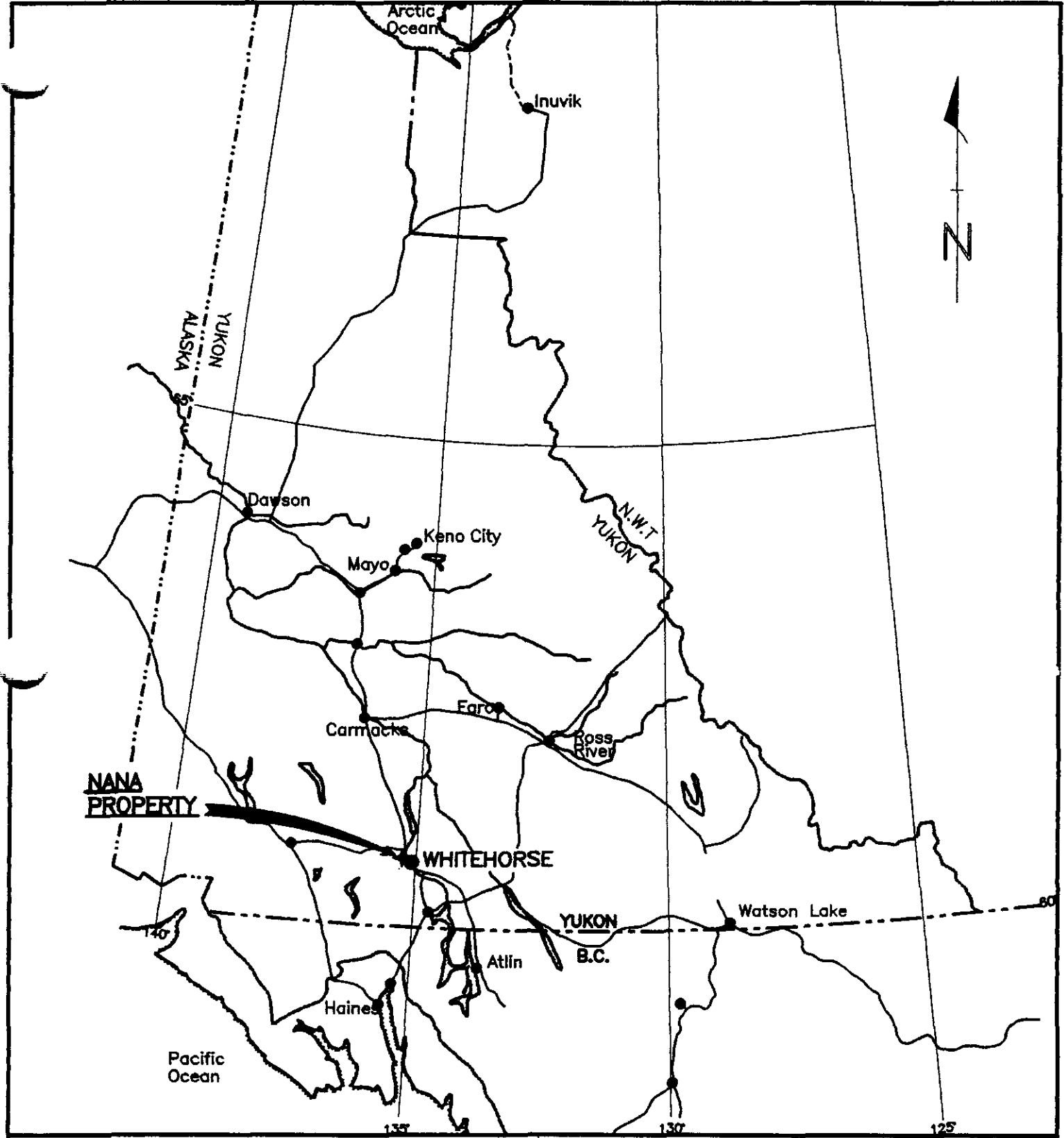
Assay results from soil samples collected contained no anomalous values of gold or copper. It is felt that deep overburden hinders useful soil sampling.

CONCLUSIONS and RECOMMENDATIONS

Future work on the property should consist of picketed gridding across the property with lines at 50m spacing and 25m picket intervals. Several days of geological mapping followed by a magnetic/ VLF-EM survey should be conducted. Further Cat trenching and blasting should be done over anomalous areas with chip and channel samples.

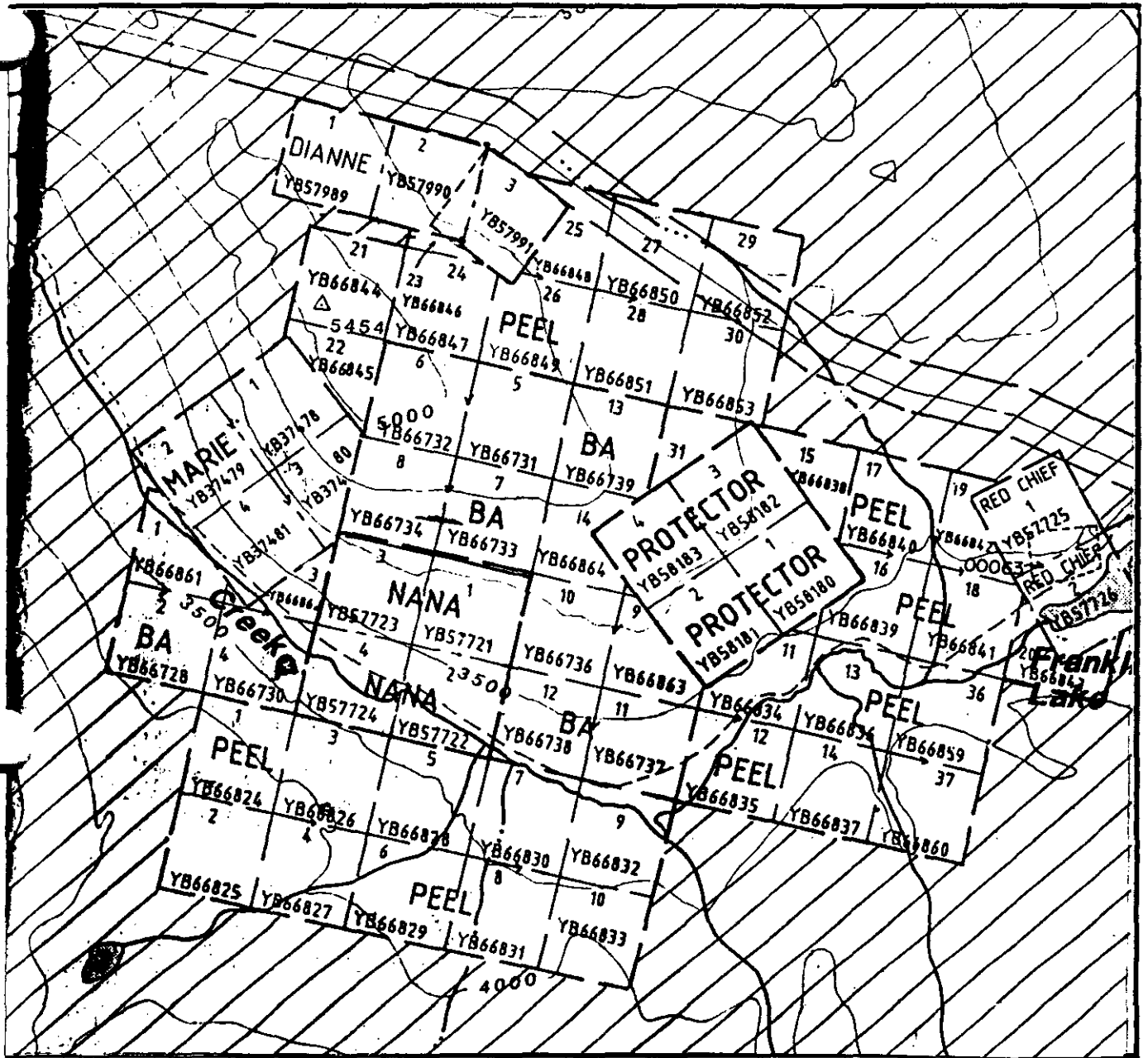
APPENDIX I

LIST OF FIGURES

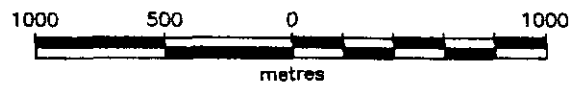


SIDROCK EXPLORATIONS
NANA 1-4
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY

LOCATION MAP

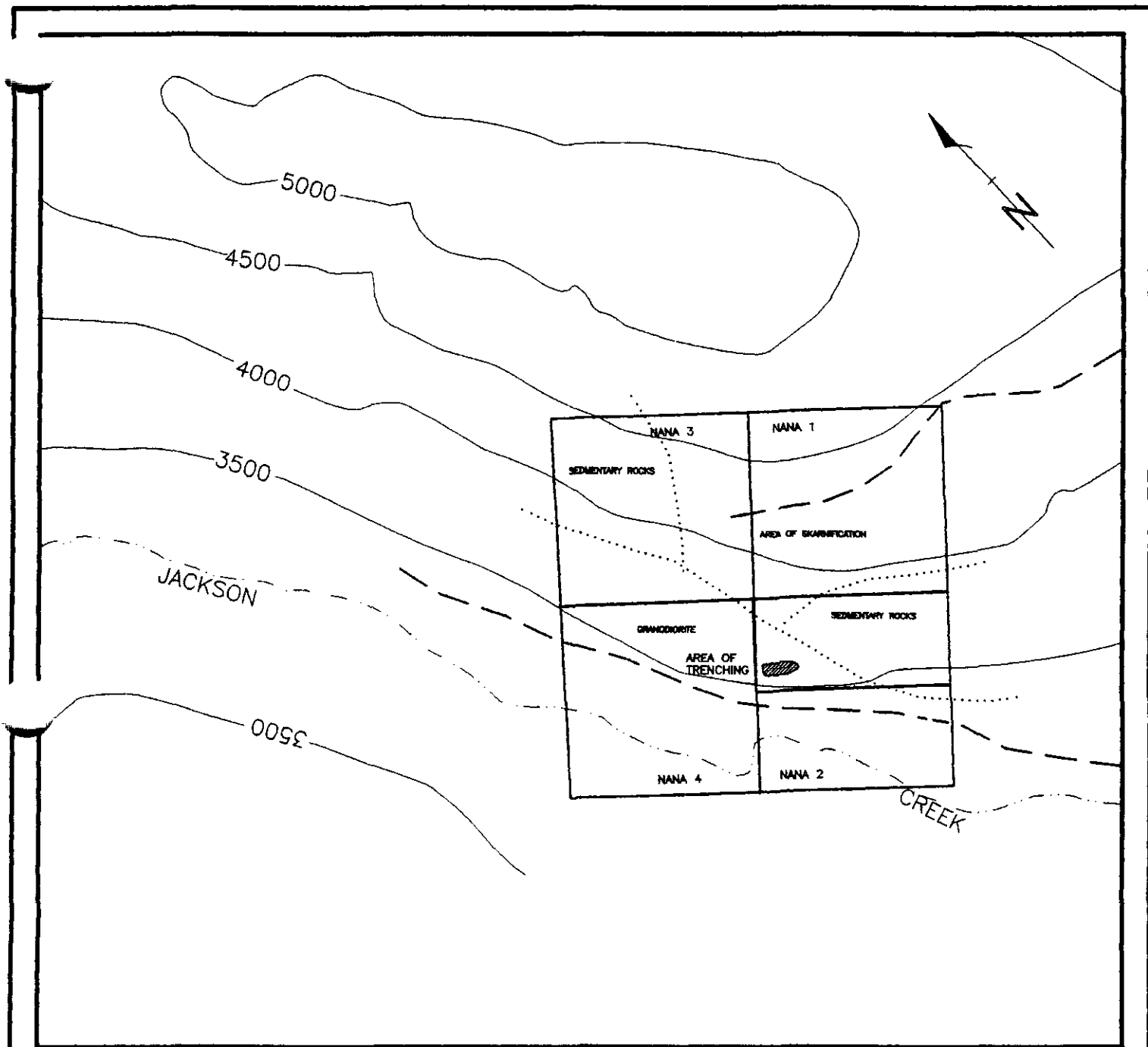


Legend


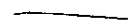





CLAIM #
 GRANT#

SIDROCK EXPLORATIONS NANA 1-4 WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
CLAIM MAP	
Aurum Geological Consultants Inc. NTS: 105 D/11 Drawn: JC	Date: JUNE, 1997 Scale: 1:30000 Figure:

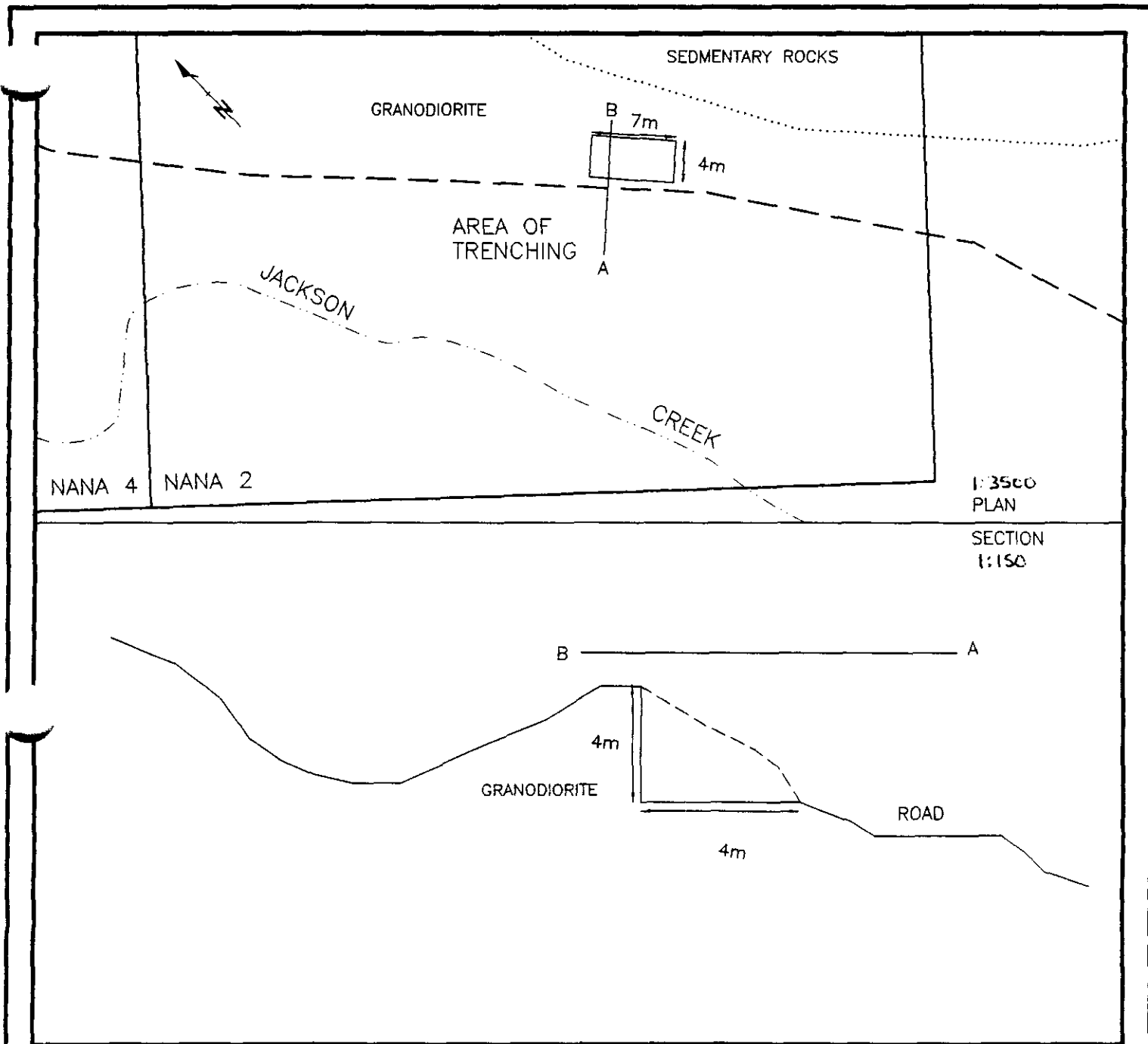


LEGEND

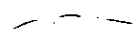
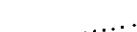


-  FLAGGED SOIL SAMPLE LINE
-  ELEVATION CONTOUR (FEET)
-  CREEK
-  GEOLOGICAL CONTACT (APPROXIMATE)
-  ROAD/TRAIL

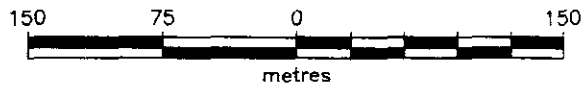


SIDROCK EXPLORATIONS	
NANA 1-4	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
PROPERTY GEOLOGY AND EXPLORATION WORK	
<i>Aurum Geological Consultants Inc.</i>	Date: JUNE, 1997
NTS: 105 D/11 Drawn: JC	Scale: 1:1500 Figure: 3



LEGEND

-  CREEK
-  GEOLOGICAL CONTACT (APPROXIMATE)
-  ROAD/TRAIL
-  TRENCH OUTLINE



SIDROCK EXPLORATIONS
 NANA 1-4
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY

TRENCH MAP

APPENDIX II
ASSAY RESULTS



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

Invoice for Analytical Services

To:

Sid McKeown
 Box 4471
 Whitehorse, Yukon Y1A 2R8

Invoice Date: 25/06/96

WO# 10325

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
13	Sample Preparation: Rock Sample Preparation	5.00	65.00
13	Soil/Sediment Sample Preparation	2.00	26.00
26	Analyses: Au + 30 NANA 1-4	16.00	416.00

Subtotal	507.00
GST @7% (R 121285662)	35.49
20 Assay Coupons	(\$253.50) (199.50)
Total due on receipt of invoice	\$288.99 \$342.99

2% per month charged on overdue accounts

PAID ch #0048

QR

APPENDIX III

STATEMENT OF EXPENDITURES

Prospecting and Sampling Summer 1995

Cat Rental	8 hr @ \$100/hr	\$800.00
Plugger Rental	3 days @ \$75/day	\$225.00
Driller	3 Days @ \$150/day	\$450.00
Gridding	1 Days @ \$150/day	\$150.00
Geochemical Assays	7 Assays @ \$21 ea.	\$445.12
Report Costs		\$200.00
TOTAL COST		<u>\$2270.12</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., the staff of the Whitehorse MDA office, and many local prospectors.