

**PROSPECTOR  
EXPLORATION REPORT  
1996**

**YEIP  
96-004  
1996**

**PROSPECTOR: Eugene Curley.  
P.O. Box 47  
Faro, Yukon  
Y0B 1K0**

**Report by:  
Kenneth D. Galambos  
January 09, 1997**

96-004

## SUMMARY

The summer of 1996 can best be described in one word, wet!!! The weather played an important role in the collection of samples in certain areas as did encounters with wildlife and one fairly serious medical emergency. An assistant was employed for most of the season and two All Terrain Vehicles (ATVs) and often two 4 x 4 trucks were required for the transportation of personnel and equipment.

Two major projects were proposed for the 1996 season along with a number of minor ones. Despite the poor weather, the programs were more or less completed successfully and a number of anomalous areas located. A few new areas were prospected with the prior approval of Karen Pelletier.

## **PROJECT I: HOOLE RIVER**

### **CHAPTER ONE**

#### **INTRODUCTION**

##### **1-1: Introductory Statement**

Project I, Hoole River, was temporarily postponed after a period of five days due to the presence of a number of bears including an aggressive sow grizzly and cub. A total of 14 days were spent prospecting the area. Nineteen samples were collected and three possible areas of interest were located.

##### **1-2: Location and Access**

The project area is located north of the Hoole River in the Watson Lake Mining District on map sheets 105 G/6,11. Access to the prospecting area is located 435 km from Whitehorse via the Alaska and Robert Campbell Highways. A trail located approximately 75 km east of the junction with the Canol Road is followed for 32 km south to the prospecting area.

##### **1-3: Physiography and Vegetation**

The area lies between 3500 and 6000 feet in elevation. It has been glaciated with quite thick glacial deposits being present in the lower areas. The lower slopes are treed and moss covered with swampy areas while the upper slopes are brush covered except on peaks and ridges.

##### **1-4: Targets and Minerals Prospected for**

Targets sought are VMS and stratiform/stratabound nickel sulphide deposits situated in the interlayered mafic and minor felsic metavolcanic rocks of the Yukon-Tanana Terrane immediately

north of the Tintina Fault. Initial prospecting in the area in 1995 discovered nickel bearing float in the creeks as well as a fair amount of mariposite indicating nearby large regional structures. Cominco's "Tag" and Atna Resources' "Pak" discoveries indicate the potential for VMS deposits in the area. Long standing placer claims and leases infer a hard rock potential for gold in the immediate area. Stream geochemical data available from the G.S.C. show anomalous and highly anomalous values (Sb, As, Co, Au, Fe, Mn, Mo, Ni and W) in and around the target area.

#### **1-5: Work Program**

A total of 14 days were spent prospecting the area. Eleven rock and eight soil samples were collected. All creeks were panned and examined for heavy mineral concentrations. Outcrops and mineralized float were sampled and random soil samples were collected.

## CHAPTER TWO

### GEOLOGY

#### 2-1: Regional Geology

The area is underlain with interlayered mafic and minor felsic metavolcanic rocks of the Yukon-Tanana Terrane. In the immediate target area, a large body of intermediate to ultramafic rocks has been mapped.

## CHAPTER THREE

### GEOCHEMISTRY

#### 3-1: Soil Geochemistry

Soil samples were collected with the aid of shovels and maddocks from the B-soil horizon whenever possible. This proved to be difficult in some areas. Samples were placed in Kraft paper sample bags and dried prior to submission to the lab for analysis.

Eight soil samples were collected during the program from target area 1. Seven of the samples were collected in a contour line along in the southern section while the eighth sample was collected at about 5400 ft. elevation on a southwest slope to the north.

Contour samples 96204-S and 96201-S returned anomalous values of 182 ppb gold and 37 ppb gold respectively while a number of the remaining contour samples returned slightly elevated values in arsenic, cadmium, barium, manganese and strontium. Sample 96208 S returned a value of 0.1% nickel with elevated antimony, cadmium, cobalt, chromium and magnesium.

#### 3-2: Rock Geochemistry

Eleven rock samples were collected from the target area. Sample 96207-R returned slightly anomalous values of 188 ppb gold and 52 ppm tungsten. This sample was also reported to contain a small pepper sized grain of gold. All rock samples with the exception of two returned anomalous values of 0.1% - 0.2% nickel, some with anomalous values of arsenic, antimony, chromium and magnesium.

## CHAPTER FOUR

### CONCLUSIONS & RECOMMENDATIONS

A number of interesting results were returned from both rock and soil geochemical sampling. Three areas within the target area returned anomalous gold and or nickel values.

Follow up geochemical and geophysical surveys and prospecting should be completed on a number of the areas to locate possible bedrock sources for the anomalies found in this seasons program. Hand or mechanised trenching should be carried out on areas of interest.

**APPENDIX A**

**RESULTS**





1105 Copper Hill  
 Whitehorse, Yukon  
 Y1A 2Z7  
 Ph: (403) 668-4988  
 Fax: (403) 668-4890

## Invoice for Analytical Services

To:

Invoice Date: 27/09/96

Eugene Curley

WO# 07062

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
11	Sample Preparation: Rock/D.C. Sample Preparation	5.00	55.00
8	Soil/Sediment Sample Preparation	2.00	16.00
2	Analyses: Au 15 gm FA/AAS	8.75	17.50
17	Pt + 32	26.00	442.00
Subtotal			530.50
GST @7% (R 121285662)			37.14
Total due on receipt of invoice			<b>\$567.64</b> ✓

2% per month charged on overdue accounts



100 Copper Road  
 Whitehorse, Yukon  
 Y1A 2Z7  
 Ph: (403) 668-4968  
 Fax: (403) 668-4090

27/09/96

Assay Certificate

Page 1

Eugene Curley

WO# 07062

Sample #	Au ppb
96 201R	11
96 211R	21

Certified by



**CERTIFICATE OF ANALYSIS**  
IPL 9610957

2036 Columbia Street  
Vancouver, B.C.  
Canada V5Y 3E1  
Phone (604) 879-7878  
Fax (604) 879-7888

Client: Northern Analytical Laboratories  
Project: M/O 7062

IPL: 9610957

Date: Oct 05, 1996  
In: Sep 30, 1996

Page 1 of 1  
[395715:25:09:69100596]

Section 1 of 2  
Certified BC Assayers: David Chiu

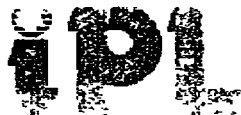
Sample Name	Au	Pt	Pd	Cu	Pb	Zn	As	Sb	Hg	Mn	Fe	Bi	Cd	Co	Ni	Ba	V	Cr	V	Na	La	Sr	Zr	Se	Ti	Al	Ca	Fe	Mg
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
96202 R	<	<	<	14.56	29	18	15	<	5	<	<	<	0.2	48.95	22	<	721	39	352	<	3	1	4	0.01	1.88	0.19	3.47	9.31	
96203 R Pearl	<	<	<	124.36	25	12	23	<	5	<	<	<	0.3	73.0.12	50	<	1352	39	608	<	7	<	7	<	7	1.65	0.08	3.79	132
96203 R	<	<	<	11.33	22	<	21	<	5	<	<	<	0.2	81.0.22	3	<	1335	22	639	<	1	1	6	0.01	0.22	1.03	3.99	182	
96204 R	<	<	<	7.5	22	<	26	<	5	<	<	<	0.4	80.0.22	5	<	1341	22	641	<	12	1	6	0.01	0.19	0.33	3.94	172	
96205 R	5	<	<	4.4	19	<	18	<	4	<	<	<	0.2	76.0.12	<	<	1038	14	553	<	1	<	6	<	0.18	0.26	3.01	182	
96206 R	32	<	<	7.4	22	<	19	<	4	<	<	<	0.2	70.0.22	<	<	1209	32	601	<	1	<	9	<	0.53	0.05	3.40	172	
96207 R	188	<	<	26.8	34	26	5	<	2	<	<	<	<	9.38	75	52	108	26	282	28	37	1	4	0.13	1.57	0.74	1.88	0.51	
96209 R	81	<	<	4.5	13	340	103	<	4	<	<	<	0.4	82.0.22	3	<	1403	15	658	<	4	1	5	<	0.13	0.23	3.29	182	
96210 R	9	<	<	11.4	15	41	26	<	4	<	<	<	0.2	67.0.22	6	<	1209	21	530	<	1	1	7	<	0.23	0.02	3.71	152	
96201 S	37	<	<	7.9	40	16	<	<	5	<	<	<	<	6.33	114	<	27	20	216	23	10	<	2	0.02	0.96	0.23	1.28	0.43	
96202 S	<	<	<	5.5	66	76	<	<	3	<	<	<	<	5.22	135	<	17	23	124	24	20	1	1	0.01	0.64	0.36	1.76	0.27	
96203 S	<	<	<	7.10	39	13	<	<	4	<	<	<	<	5.18	111	<	16	17	220	26	13	<	2	0.02	0.71	0.29	1.56	0.30	
96204 S	182	<	<	18.17	51	14	<	<	6	<	<	<	0.6	7.30	277	<	25	23	950	20	66	1	1	0.02	1.02	0.59	2.13	0.32	
96205 S	<	<	<	13.12	75	16	<	<	4	<	<	<	<	12.55	329	<	63	32	1878	27	80	1	3	0.03	1.32	0.82	3.16	0.74	
96206 S	<	<	<	16.14	72	11	<	<	4	<	<	<	0.4	13.51	194	<	64	33	392	27	51	1	3	0.04	1.36	0.66	2.55	0.79	
96207 S	<	<	<	43.11	96	142	<	<	10	<	<	<	17.82	634	<	65	47	2326	29	129	4	2	0.02	1.25	1.34	1.20	0.52		
96208 S	<	<	<	15.16	24	<	27	<	4	<	<	<	0.8	71.0.12	25	<	1558	29	769	3	3	1	7	0.01	0.53	0.06	2.64	192	

Min Limit: 2 15 5 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  
 Max Reported: 9999 10000 10000 20000 20000 20000 9999  
 Method: FAAS FA/AAS FA/AAS ICP  
 —No Test Insufficient Sample S=Soil R=Rock C=Cove L=Silt P=Plip U=Undefined e=Estimate/1000 %=Estimate % Max=No Estimate  
 International Plasma Lab Ltd. 2036 Columbia St Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7888

P19  
PHONE NO. : 902 368 3651  
FROM : BOOKMARK INC

---

10



# CERTIFICATE OF ANALYSIS

## iPL 96I0957

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

INTERNATIONAL PLASMA LABORATORIES LTD.

Client: Northern Analytical Laboratories  
Project: W/D 7062 17 Pulp

iPL: 96I0957

Out: Oct 05, 1996  
In: Sep 30, 1996

Page 1 of 1  
[095715:25:16:69100996]

Section 2 of 2  
Certified BC Assayers: David Chiu

Sample Name	K	Na	P
	Z	Z	Z

96202 R	<	0.01	0.01
96203 R Pearl	<	0.01	<
96203 R	<	0.01	<
96204 R	<	0.01	<
96205 R	<	0.01	<
96206 R	<	0.01	<
96207 R	0.54	0.04	0.04
96209 R	<	0.01	<
96210 R	<	0.01	<
96201 S	0.08	0.02	0.08
96202 S	0.06	0.01	0.14
96203 S	0.07	0.02	0.08
96204 S	0.08	0.03	0.06
96205 S	0.08	0.03	0.14
96206 S	0.08	0.03	0.12
96207 S	0.15	0.02	0.09
96208 S	<	0.01	0.01

Min Limit: 0.01 0.01 0.01  
 Max Reported: 9.99 5.00 5.00  
 Method: ICP ICP ICP

--No Test Ins=Insufficient Sample Se=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 B**  
**ROCK DESCRIPTIONS**

## ROCK DESCRIPTIONS

96201-R	medium green ultramafics
96202-R	medium green ultramafics
96203-R	medium green ultramafics
96204-R	medium green ultramafics
96205-R	medium green ultramafics
96206-R	medium green ultramafics
96207-R	medium green ultramafics with quartz veining (one small speck of visible gold)
96209-R	medium green ultramafics with quartz veining
96210-R	medium green ultramafics with quartz veining
96211-R	medium green ultramafics

**APPENDIX C**  
**PROSPECTORS NOTES**



Area 1 & 1A .1996.  
10566 and 105611 Upper Hoods River

A total of 14 days - July 16 to July 20  
August 21 to Aug 29 was spent prospecting  
in areas 1 and 1A. This includes travel  
time. areas prospected are marked on the  
map by red marker. sample locations are  
marked by brown marker. sample assays  
are attached.

Geology in area 1 is mostly ultra mafic  
rocks. surrounded by meta-morphic  
shists etc..

The area is glaciated except for the  
highest peaks. Glacial deposits are  
thick in low lying areas but outcrops  
do occur on the slopes. The lower  
slopes are treed and are covered by  
moss and swampy areas. Buckbrush  
occurs on the higher levels, except on  
the peaks & ridges.

Geology in area 1A consists of metamorphic  
rocks, shist & gneiss. Ground cover is  
similar to area 1

Access to area was by 4x4 from Whitehouse to Milk Creek  
and then by 2 4x4 ATVs across US 100 by trail to area 1 & 1A

Page 1

Targets in area 1 included platinum  
nickel copper and high grade gold deposits  
area 1A was more suited for PB-7N Deposits.

On The period July 16 - 20 I was assisted  
By Darlene Hughes, a Geologist from  
Vancouver who I had hired to do some  
projects in the 96 season. Darlene has  
done contract work for Simon & Co Vancouver  
and was involved in the Broken Hill Environments  
Studies for the NWT Diamond Project.

Camp was set up on Pearl Creek and the surrounding  
area was examined. The Pearl Creek valley  
is filled with glacial deposits (Sand & gravel)  
with the creek cutting through leaving terraces  
on the valley sides. The area south of Pearl  
Creek is mostly metamorphic shales, although  
numerous boulders of ultra mafic origin were  
found on the sidehill directly south of the  
#1 Post on the 5 mile placer lease, which  
may indicate that the ultra mafics run from the  
area of 96203R Pearl across the creek.

Metamorphic Rocks occur near 96202R but  
from that point north rocks appear to be  
ultramafic. Numerous Bears were in the  
area where we were working as indicated  
by tracks and sign

on July 19 Darlene encountered a single Bear believed to be a male Between the 5500 and 6000 ft level above 96202R. She immediately returned to camp as instructed.

on July 20 a Grizzly sow and a 2 yr old cub tried to get into our tent at Breakfast time They stopped at the sound of our voices but remained outside the tent. I took the gun and went outside and encountered the cub who was quite large but very skiny. he ran into the bush, the sow who was at the rear of the tent also ran.

We decided to temporarily abandon the area & returned to Whitehorse. (Note: The Sow & cub came back to camp again before we left.)

I returned to the area on August 21. I was joined by Rick Charlois on August 23 who assisted me prospecting. Rick is a Yukoner who has had Experience placer mining, trapping, and prospecting

We examined the area by perusing all the creeks in the area, by sampling the outcrops and sampling mineralized float rocks. Random soil sampling was also done.

A cabin on Grayling Lake was used as camp.

Two Suzuki 4x4 ATVs were used to access the areas and prospecting areas. Then down on foot samples were hauled to camp on the ATVs

Aug 22 Heavy Rain no prospecting was done  
 The remaining days Aug 23 - Aug 29 were spent prospecting  
 the areas indicated on the map and as outlined on the  
 previous page.

Edworthy

### Summary

Very fine Gold occurs in all the creeks in the  
 area - No significant amounts were found by panning.  
 Visible Gold was found in a float rock  
 in the creek indicated on the map as VG creek.  
 The rock was ultra mafic with mariposite and some  
 Quartz. The rock is believed to be local not  
 glacial. This confirms the possibility of High  
 Grade Gold deposits between the contacts of  
 mariposite and ultramafics in this area.  
 The piece of rock with VG was kept and the  
 remainder of the rock was assayed along with some  
 similar rock from the same area.  
 Assays returned low Gold values,  
 very little work was done on area 1A.  
 a float Boulder was recovered, which contained  
 lead-zinc sulphides, from the side slope as  
 indicated on the map. It is not known if the Boulder  
 is local or glacial.

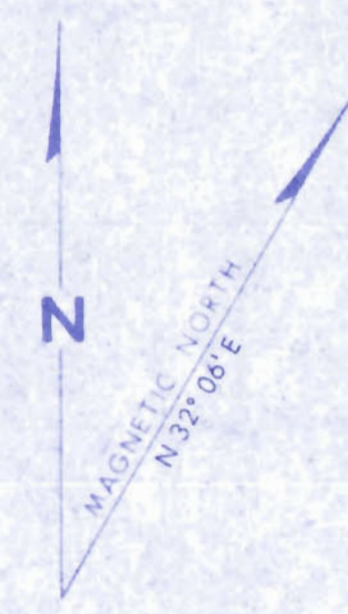
# SHEET 105G-6

## QUARTZ & PLACER

LATITUDE 61° 15' - 61° 30'  
LONGITUDE 131° 00' - 131° 30'

SCALE 1:16,800

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT



### NOTICE

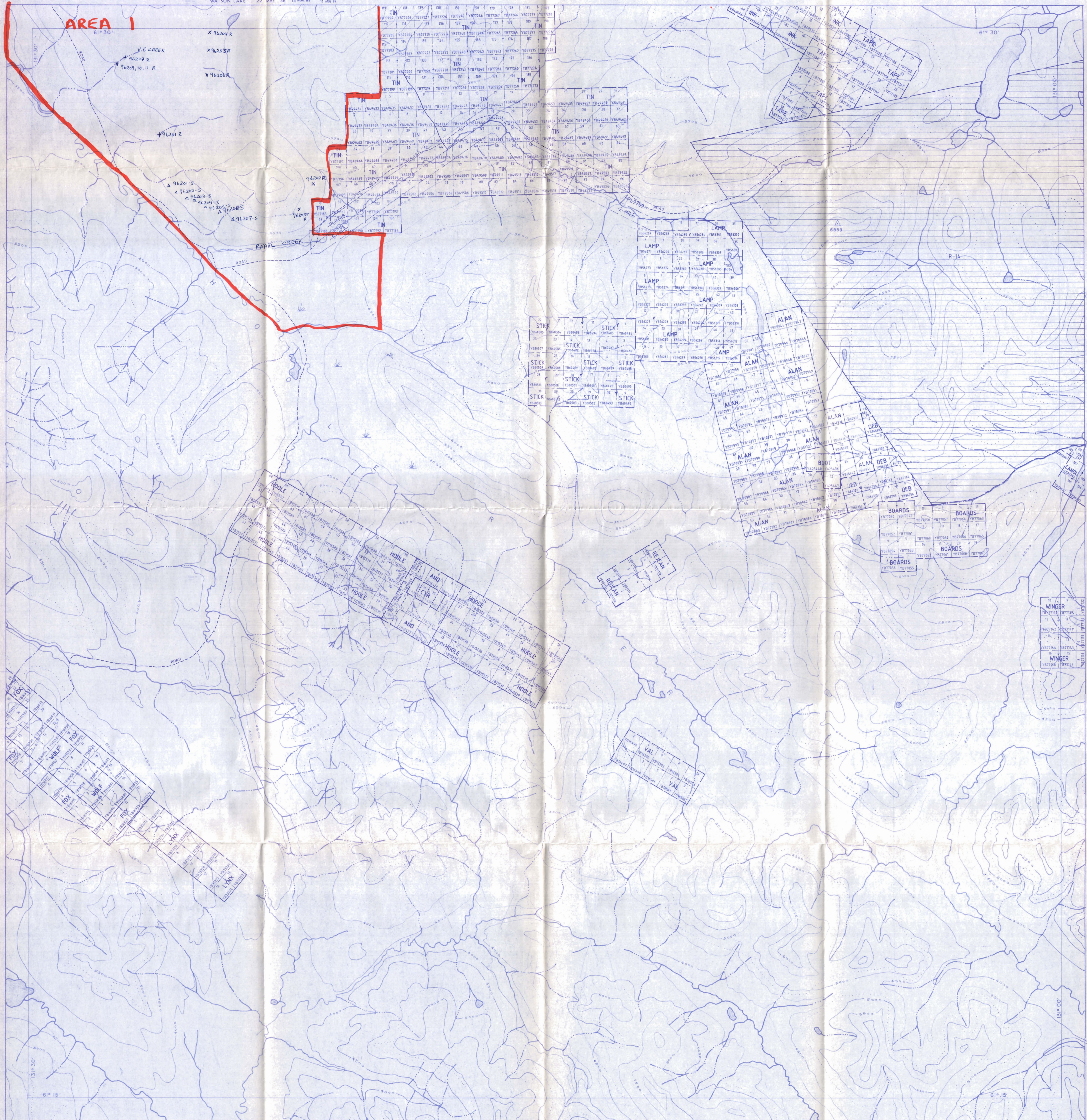
THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

105G-12	105G-11	105G-10
105G-8	105G-6	105G-7
105G-4	105G-3	105G-2

Canada

WATSON LAKE 28 Feb. 84  
27 Mar. 72  
22 Mar. 56



1996 YMIP  
EUGENE CURLEY  
ACCOUNTING

Project I

Vehicle 1: (14 days x \$54) x 25%	\$ 189.00 ✓
Vehicle 2: ( 7 days x \$54) x 25%	94.50 ✓
Mileage: (435 km x \$0.42/km x 4) x 2 vehicles	1461.60 ✓
ATVs: 2 x (14 days x \$150) x 25%	1050.00 ✓
Living Expenses: (28 person days x <del>\$55.20</del> )	1545.60 ✓ 980.00
Assays: <del>35</del>	<u>567.64</u> ✓
 Total	 \$4908.34 x 4342.74

Project II

Vehicle 1: (15 days x \$54) x 25%	\$202.50 ✓
Vehicle 2: ( 6 days x \$54) x 25%	81.00 ✓
Mileage: (232 km x \$0.42/km x 4) x 2 vehicles	779.52 ✓
ATVs: 2 x (15 days x \$150) x 25%	1125.00 ✓
Bombardier: (5 day x \$200) x 25%	250.00 ✓
Living Expenses: (30 person days x <del>\$55.20</del> )	1656.00 ✓ 1050.00
Helicopter charter <del>35</del>	688.76 ✓
Assays:	<u>454.22</u> ✓
 Total	 \$5237.00 x 4631.00

Project III

Vehicle: (4 days x \$54) x 25%	\$54.00 ✓
Mileage: (1130 km x \$0.42/km)	474.60 ✓
ATV: (2 days x \$150) x 25%	75.00 ✓
Living Expenses: (2 days x <del>\$55.20</del> )	110.40 ✓ 70.00
 Total	 \$714.00 x 673.00

Project IV

Vehicle 1: (4 days x \$54) x 25%	\$54.00 ✓
Vehicle 2: (2 days x \$54) x 25%	27.00 ✓
Mileage: (305 km x \$0.42/km x 2) x 2 vehicles	512.40 ✓
ATVs: 2 x (4 days x \$150) x 25%	300.00 ✓
Living Expenses: (6 person days x <del>\$55.20</del> )	331.20 ✓ 210.00
 Total	 \$1224.60 x 1103.40

1996 Season expenses

SBX = 11 rental	\$481.50 ✓
Wages: Darlene Hughes	3008.55 ✓
Wages: Rick Charlobois	1500.00 ✓
Final Report (2.5 days x \$360/day)	<u>900.00</u> ✓
Total	\$5890.05 ✓

**TOTAL BUDGET FOR YMIP PROGRAM**  
(\$10000.00 maximum for 30 days prospecting)

\$17973.99 x 16646.19



REMIT PAYMENT TO  
**TRANS NORTH AIR**

TRANS NORTH AIR LTD  
AIR: NSAR 101 • WILKINSON • YUKON • TNA 204  
TELE: (403) 688-2177 FAX: (403) 688-3470

CRUITERER EUGENE CURLEY

BILLING ADDRESS Box 47

From UT YORIKO

FUEL & OIL FROM FUEL USED  
TAXI CUST  
✓

OFFICE INT NUMBER	<u>CURLEUG</u>		
INVOICE NUMBER	<u>05821</u>		
INVOICE DATE	<u>11</u>	<u>09</u>	<u>96</u>
A/L TYPE	<u>3</u>	<u>06</u>	<u>FLY</u>
FLIGHT DATE	<u>07</u>	<u>09</u>	<u>96</u>
PURCHASE ORDER NO.			

FROM	TO	HOURS	REMARKS - NO. OF PASS	FREIGHT Kg
	<u>CHERAMUKS</u>			
	<u>SETOUK, Alex upcom</u>			

INVOICE	GL	AMOUNT			
<u>1907502</u>		<u>580.00</u>			
<u>1900131</u>		<u>63.70</u>	<u>8</u>	<u>725.00</u>	<u>580.00</u>
<u>0000323</u>		<u>45.06</u>			
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			FUEL	<u>91L</u>	<u>70</u> / LITRE
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			FUEL	<u>91L</u>	<u>70</u> / LITRE
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			MEALS & LODGINGS		
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			OTHER		
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			OTHER		
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			SUB TOTAL		<u>643.70</u>
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			GOODS & SERVICES TAX REGISTRATION NO R 121483136		<u>45.06</u>
<small>TERMS: PAYABLE UPON RECEIPT OF INVOICE 2% INTEREST PER MONTH (24% PTA ANNUAL) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.</small>			TOTAL	\$	<u>688.76</u>

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF  
TARIFF AVAILABLE TO PUBLIC: VIEW AT TRANS NORTH OFFICE  
**ACCOUNTING**



\*\*\*\*\* RENTAL AGREEMENT \*\*\*\*\*

BETWEEN: PEACOCK'S YUKON CAMPS LTD  
of 77 Aisek Road,  
Whitehorse, Yukon, Y1A 3K5  
(403) 667-2846

hereinafter called the Lessor

AND: Eugene Curley  
of Box 47  
FARO,  
YOB IKO 994-2428

hereinafter called the Renter,

WHEREAS: the Lessor agrees to lease and the Renter agrees to rent one: SBX11A #7  
HF Portable Radio Serial No.: A3498  
with antenna, for the period from:

June 7 1996 to Sept 7 1996,

For a rental fee of \$ 450.00 plus  
Goods And Services Tax of \$ 31.50,  
paid in advance by Cash.

AND WHEREAS: The Renter agrees to save harmless the Lessor from any claim whatsoever arising from the use of said Radio.

AND WHEREAS: The Renter agrees to return said Radio to the Lessor in good condition on or before the last day of this lease OR pay to the Lessor on demand the sum of Two Thousand Dollars.

Agreed and signed, sealed and delivered at Whitehorse, Yukon

this 7<sup>th</sup> day of June, 1996,

[Signature]  
Renter

[Signature]  
Lessor

\_\_\_\_\_  
Witness

RECEIPT 25 July 96

Received from Empire Curley  
on 23 July 1996:

- \$2,600. for geological exploration work.
- \$179<sup>80</sup> for transportation costs.
- one one-way ticket from Vancouver → Whitehorse (21 June 96)  
(value \$234.<sup>75</sup>)

*B. Hughes*

Total Expenses (wages & transportation)  
CAN \$3,008.55

Handwritten text, possibly a signature or date, oriented vertically.

TAX REG NO \_\_\_\_\_  
 SOLD TO \_\_\_\_\_  
 SHIP TO Fritz Charlabois  
 ADDRESS Box 101 Whitehouse

OUR NUMBER	383837
DATE	Sept 18/96
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
FOB	

INVOICE

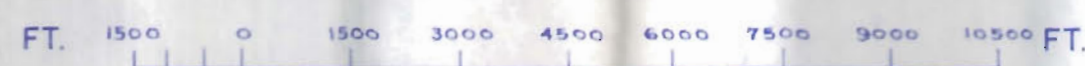
QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Received from Eugene Curley		
	\$2500.00 for 15 days		
	Prospecting @ 100 <sup>00</sup> per day		1500.00
	<i>[Signature]</i>		
			1500.00 ✓

# SHEET 105G-II

LATITUDE 61° 30' TO 61° 45'  
LONGITUDE 131° 00' TO 131° 30'

CANADA  
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES  
NORTHERN ADMINISTRATION AND LANDS BRANCH  
LANDS DIVISION

SCALE 2 1/2 MILE TO 1 INCH



ISSUED UNDER THE AUTHORITY OF THE MINISTER  
OF  
NORTHERN AFFAIRS AND NATIONAL RESOURCES

## NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

17 June 80	18 July 80	19 Aug 80	20 Sept 80	21 Oct 80	22 Nov 80	23 Dec 80	24 Jan 81	25 Feb 81	26 Mar 81
19 Sept 74	20 Oct 74	21 Nov 74	22 Dec 74	23 Jan 75	24 Feb 75	25 Mar 75	26 Apr 75	27 May 75	28 Jun 75
14 Nov 72	15 Dec 72	16 Jan 73	17 Feb 73	18 Mar 73	19 Apr 73	20 May 73	21 Jun 73	22 Jul 73	23 Aug 73
17 May 56	18 Jun 56	19 Jul 56	20 Aug 56	21 Sep 56	22 Oct 56	23 Nov 56	24 Dec 56	25 Jan 57	26 Feb 57



## PROJECT II: KLAZA RIVER ET AL

### CHAPTER ONE

#### INTRODUCTION

##### 1-1: Introductory Statement

Project II, Klaza River, was suspended after a period of five days due to a fire on the bombardier which caused third degree burns to assistant Darlene Hughes' hand.

Ten days total were spent prospecting and sampling on four additional areas on map sheets 115 I/2,3. Two days each were spent prospecting areas 2A and 2B while three days each were spent prospecting and sampling areas 2C and 2D. These additional project areas were given verbal approval by Karen Pelletier.

##### 1-2: Location and Access

The project areas are located on map sheets 115 I/2,3 west of Carmacks approximately 230 road km from Whitehorse via the Alaska Highway and Mt. Nansen road. A 30 km nodwell trail from this point takes you to the northwest end of the prospective area.

##### 1-3: Physiography and Vegetation

As with most areas in the Dawson Range, discontinuous permafrost and the lack of recent glaciation have created deeply weathered subcrop which is often covered with moss +/- frozen black muck. Tree cover is usually limited to south facing hillsides with north and west facing exposures hosting only low buck brush.

##### 1-4: Targets and Minerals Prospected for

Targets sought are fault controlled gold/sulphide vein systems and copper/molybdenum/gold porphyries. Vein systems in the area

are associated with young feldspar porphyry dikes of the Mount Nansen Group which cut Yukon Crystalline schists. The copper porphyrys in the Dawson Range, such as Casino, each contain disseminated chalcopyrite and molybdenite in subvolcanic equivalents of the Mount Nansen Group.

**1-5: Work Program**

A total of 15 days were spent prospecting the five areas. Eleven rock and sixteen soil samples were collected from two of the areas. Five soil samples were collected on area 2, submitted for analysis and subsequently misplaced. The remainder of the samples were collected from area 2C.

## CHAPTER TWO

### GEOLOGY

#### 2-1: Geology

Area 2 is underlain by Cretaceous aged felsic intrusive and intermediate volcanic flows.

The areas 2B and 2C are underlain by Paleozoic and older metamorphic schist and gneiss along with early Jurassic felsic intrusive rocks. Minor, Mount Nansen porphyry dikes have also been noted in the area.



## CHAPTER THREE

### GEOCHEMISTRY

#### 3-1: Soil Geochemistry

Soil samples were collected with the aid of shovels and maddocks from the B-soil horizon whenever possible. This proved to be difficult in some areas. Samples were placed in Kraft paper sample bags and dried prior to submission to the lab for analysis.

Sixteen soil samples were collected during the program from the five areas. Five samples from area 2, 96101 to 96105-S, were supposedly submitted to Northern Analytical but no results were ever received.

No samples were collected from areas 2A, 2B or 2D.

Eleven soil samples were collected from area 2C. Four samples, 96401 to 96404-S, returned anomalous values of 14 ppb, 13 ppb, 20 ppb and 343 ppb gold respectively.

#### 3-2: Rock Geochemistry

Eight rock samples were collected from the target areas with a further three samples collected from a placer mining operation. All returned low values of little interest.

**CHAPTER FOUR**  
**CONCLUSIONS & RECOMMENDATIONS**

Two areas returned interesting results with values of up to 343 ppb gold from soil geochemical sampling. These areas lie to the north and south of the ANG claims.

Follow up geochemical and geophysical surveys and prospecting should be completed on both of the areas to locate possible bedrock sources for the anomalies found in this seasons program. Hand or mechanised trenching should be carried out on areas of interest.

**APPENDIX A**  
**RESULTS**



105 Copper Road  
 Whitehorse, Yukon  
 Y1A 2Z7  
 Ph. (403) 668-4888  
 Fax: (403) 668-4800

## Invoice for Analytical Services

To:

Eugene Curley

Invoice Date: 01/10/96

WO# 07105

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
11	Sample Preparation: Rock/D.C. Sample Preparation	5.00	55.00
3	Sample Drying	2.50	7.50
11	Soil/Sediment Sample Preparation	2.00	22.00
19	Analyses: Au + 30	16.00	304.00
3	Au 1AT FA/Gravimetric	12.00	36.00

Subtotal

424.50

GST @7% (R 121285662)

29.72

Total due on receipt of Invoice

\$454.22

2% per month charged on overdue accounts



105 Copper Road  
 Whitehorse, Yukon  
 Y1A 2Z7  
 Ph: (403) 669-4960  
 Fax: (403) 669-4890

01/10/96

## Assay Certificate

Page 1

Eugene Curley

WO# 07105

Sample #	Au ppb	Au oz/ton
96 401 R	8	
96 402 R	6	
96 403 R	<5	
96 404 R	<5	
96 405 R	<5	
96 406 R	<5	
96 301 R	<5	
96 301 S (rock)	<5	
96 301 S	<5	
96 401 S	14	
96 402 S	13	
96 403 S	20	
96 404 S	343	
96 405 S	7	
96 406 S	<5	
96 407 S	<5	
96 408 S	<5	
96 409 S	<5	
96 410 S	9	
NDSC 1		<0.010
NDSC 2		<0.010
NDSC 3		<0.010

Note: Au in oz/ton is 1AT FA/Gravimetric.

Certified by



# CERTIFICATE OF ANALYSIS

## IPL 96I0971

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

Client: Northern Analytical Laboratories  
Project: N/O 7105 19 Pulp

IPL: 96I0971

Out: Oct 09, 1996  
Iss: Sep 30, 1996

Page 1 of 1  
[09716:47:33:69100996]

Section 1 of 2  
Certified BC Assayer: David Chiu

Sample Name	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	H	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Nb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%
96301 R	<	5	7	13	15	<	<	1	<	<	0.2	1	4	150	<	78	8	338	8	40	1	1	<	0.35	2.56	0.59	0.05	0.07	0.39
96401 R	5.5	25	36	10	7	18	<	1	<	<	0.2	1	2	258	<	113	3	40	2	10	2	1	<	0.16	0.08	0.45	0.03	0.07	0.05
96402 R	0.4	9	37	97	80	15	<	4	<	<	0.8	1	4	221	<	152	4	316	5	8	5	1	<	0.22	0.03	0.89	0.01	0.09	0.01
96403 R	0.5	3	27	37	18	4	<	2	<	<	0.5	2	3	1225	<	76	<	744	13	21	8	1	<	0.30	0.54	0.45	0.01	0.11	0.01
96404 R	<	3	23	13	26	8	<	3	<	<	0.2	1	2	807	<	73	<	199	7	13	6	<	<	0.33	0.03	0.26	0.01	0.12	0.01
96405 R	0.2	6	13	4	<	<	<	1	<	<	<	1	4	50	<	207	<	62	2	4	2	<	<	0.36	0.15	0.27	0.01	0.02	0.02
96406 R	0.1	11	25	63	9	6	<	2	<	<	0.3	11	13	419	<	100	54	712	17	26	5	6	<	0.62	0.17	2.66	0.04	0.10	0.01
96301 S	<	38	17	41	20	<	<	3	<	<	0.3	9	34	224	<	29	54	312	19	63	6	5	0.05	1.43	1.15	2.12	0.54	0.04	0.04
96301 S Rock Fr Soil No 1	<	18	14	53	8	7	<	4	<	<	0.5	26	255	123	<	218	65	644	8	93	5	5	0.08	1.27	1.10	2.88	3.83	0.09	0.05
96401 S	0.1	18	14	82	21	<	<	3	<	<	0.7	8	17	138	<	17	50	246	14	76	3	4	0.03	0.57	0.30	2.25	0.26	0.08	0.02
96402 S	<	22	10	110	37	5	<	3	<	<	<	17	22	238	<	40	100	637	14	12	5	13	0.17	2.19	0.18	4.30	0.98	0.37	0.02
96403 S	<	10	11	48	11	<	<	2	<	<	0.3	8	11	377	<	20	67	381	10	12	1	3	0.02	0.97	0.77	2.72	0.27	0.05	0.02
96404 S	<	15	6	37	11	<	<	2	<	<	0.3	8	14	121	<	28	82	191	9	12	2	2	0.05	1.14	0.19	2.98	0.38	0.07	0.02
96405 S	<	10	7	15	12	<	<	2	<	<	0.2	7	13	109	<	22	61	203	8	14	1	3	0.08	1.12	0.28	2.27	0.44	0.09	0.02
96406 S	<	4	4	23	14	<	<	1	<	<	<	4	6	80	<	18	48	120	17	16	1	2	0.05	0.49	0.40	1.63	0.20	0.05	0.02
96407 S	<	7	6	21	11	<	<	1	<	<	<	4	8	66	<	13	39	167	10	14	2	2	0.04	0.62	0.25	1.52	0.25	0.05	0.02
96408 S	0.1	13	10	47	76	<	<	3	<	<	0.2	7	12	132	<	21	52	252	11	15	1	4	0.05	1.56	0.20	2.45	0.43	0.15	0.02
96409 S	<	11	8	27	20	<	<	2	<	<	0.2	7	14	85	<	20	54	157	10	13	2	2	0.04	1.19	0.18	2.12	0.30	0.07	0.02
96410 S	<	33	9	70	51	<	<	3	<	<	<	12	17	309	<	27	67	320	57	33	2	7	0.06	1.23	0.15	4.31	0.44	0.24	0.02

PHONE NO. : 902 368 3651

FROM : BOOKMARK INC

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

Max Reported\* 99.9 2000 2000 2000 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 9.99 5.00

Method ICP

—No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined e=Estimate/1000 X=Estimate Z=Max=No Estimate

International Plasma Lab Ltd 2036 Columbia St. Vancouver BC V5Y 3E1 PH: (604) 879-7878 FAX: (604) 879-7898



INTERNATIONAL PLASMA LABORATORY LTD.

# CERTIFICATE OF ANALYSIS

## iPL 96I0971

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

Clients: Northern Analytical Laboratories  
Projects: N/O 7125 19 Pulp

iPL: 96I0971

Out Oct 09, 1996  
In Sep 30, 1996

Page 1 of 1  
[097116:47:34:69100996]

Section 2 of 2  
Certified BC Assayer David Chiu

Sample Name	P	Z
96391 R	0.02	
96401 R	0.02	
96402 R	0.01	
96403 R	<	
96404 R	<	
96405 R	<	
96406 R	0.05	
96301 S	0.05	
96301 S Rock Fr Soil No 1	0.06	
96401 S	0.07	
96402 S	0.05	
96403 S	0.03	
96404 S	0.05	
96405 S	0.03	
96406 S	0.08	
96407 S	0.06	
96408 S	0.03	
96409 S	0.04	
96410 S	0.06	

PHONE NO. : 902 368 3651

FROM : BOOKMARK INC

Min Limit 0.01  
Max Reported 5.00  
Method ICP

—No Test ins=Insufficient Sample S=Soil R=Rock Co=Cone L=Slit P=Pulp U=Undefined e=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 B**  
**ROCK DESCRIPTIONS**



## ROCK DESCRIPTIONS

96301-R	green quartz stringers in schist, Scordite ?
96401-R	silicified quartz porphyry
96402-R	silicified quartz porphyry
96403-R	silicified quartz porphyry
96404-R	silicified quartz porphyry
96405-R	silicified quartz porphyry
96406-R	silicified quartz porphyry

**APPENDIX C**  
**PROSPECTORS NOTES**

Area 2, 2A, B, C, D. 1996 Page 1  
 115.1.3 - 115.1.2 Mt. Ransen & surrounding areas

A total of 16 days were spent prospecting these areas. June 25 to July 3 inclusive was

spent on areas 2, 2A, and 2B. I was assisted on these dates by Darlene Hughes. June 25 we proceeded to camp at Mt. Ransen from Whitehorse. It was decided to spend 1 day examining a long trench that had been started by Gordon Dickson on the rubble claims, area 2B which are now leased, adjacent to the Grizzly claims. and 2 days in area 2A north & west of the Dams property, to see if we could find more mineralization, as suggested by several geologists, associated with the Dams before proceeding to one of our main targets at area 2. 2 Suzuki 4x4 ATVs were used to access these areas.

June 26. Went to Grizzly claims and examined the trench in the area indicated on the map area 2B.

The trench was examined in its entire length down a long slope. Bedrock was not exposed in the trench except for an outcrop of granodiorite at the end of the trench. Rocks in the trench varied from granite to

Quartz Porphyry, Quartz, and metamorphic schists. Quartz & Quartz Porphyry rocks were scattered along the trench and not concentrated. A 50m geochronology program could be useful in future.

June 27 } Went to area north of Dams property. Most of  
 June 28 } the area is now covered and permafrost 2 small  
 Porphyry outcrops occur just north of Dams 63 & 24. No mineralization was found. A granite intrusion was observed just north of Dams 119 & 120. Most of the area ...

Page 2

very difficult to prospect because of the melt & permafrost. No significant mineralization was found.

June 29 Packed up camp, supplies, fuel, ATV's and Bombardier and travelled to area 2.

June 30 } Prospected area 2 on foot and by 4x4 ATV's  
July 3 } the Bombardier was used as a supply base at camp.

The area is covered by melt & permafrost and some spruce tree cover and Bushbrush. outcrops occur rarely but do exist on some hilltops and sidehills.

These locations are indicated on the accompanying map. Soil sampling was done along a sidehill as indicated by 96101<sup>S</sup> to 96105<sup>S</sup> These samples were taken randomly. outcrops of granodiorite and andesite were occasionally observed along the sidehill as noted.

a piece of interesting Quartz Porphyry was found in the area indicated on the map. It contained approx 5% sulphides and had some small veinlets. it was found on a flat bench. a search of the surrounding area did not turn up any more float. (note: The melt in this location was underlain by Frozen Muck.)

<sup>small</sup> outcrops of Quartz Porphyry were observed as indicated on the map. The area around these outcrops require further prospecting.

July 3 prospecting operations were suspended and we proceeded to Whitehorse to get medical attention for Darlene Hughes who severely burned her hand while trying to put out a fire that broke out on the Bombardier she was treated at the medical centre for 3rd degree Burns by Dr Alan Nichols.

## Page 3

The major prospecting device for area 2 around and to the north west of the ANG claims was not completed due to this accident and other circumstances.

Area 2D and 2C

Sept 6 to Sept 11 - 6 days

I was assisted by Rick Charlobois in areas 2D+2C. We proceeded to camp from Whitehorse on Sept 6 where we took a trans north helicopter to area 2D. This area was prospected for a possible VMS target. The area was covered extensively on foot for 2 days. All hills & ridges in the outlined area were thickly covered by glacial detritus. Low lying areas were swampy. Creeks in the area were just swampy depressions. No bedrock outcrops were found. The helicopter picked us up Sept 7 in the evening.

Sept 8 to } September 8 to 11<sup>th</sup> was spent <sup>prospecting</sup> area  
Sept 11 } 2C. The area was accessed by 4x4 ATVs

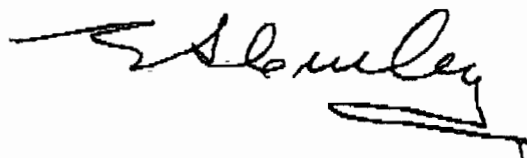
The area outlined on the map was prospected from just south of Mt McDade to Victoria Creek. It was felt that this area has an excellent chance to contain a gold deposit very close to the mill at Mt Mansen. The area east of the ANG claims has outcrops of metamorphic schists & gneisses all along the ridge. The ANG claims cover a quartz porphyry plug & sidehills and valleys are more covered with scrub brush in most areas. South facing slopes have scattered spruce tree covering.

Page 4

Numerous random soil & rock samples were taken around the perimeter of the one claim. Sample locations are noted on the accompanying map. Holes were dug up to 3 ft deep in attempts to get good samples. Many holes were unable to penetrate permafrost, especially on lower levels.

Best results came from the ridge that runs from the Purple Peak that is located on AN 7 south to Minnesota Creek. 96402<sup>S</sup>, 96403<sup>S</sup>, 96404<sup>S</sup> soil samples were taken approx 100 metres apart. Best results of 343 PPM indicate a source of Gold in this area. Future hand trenching, close spaced soil sampling and further prospecting to the South East will be necessary to locate Gold sources.

Note: Verbal approval was granted by Karen Pelletier for all projects in 115-13 and 115-12 areas.



# SHEET 1151-2

LATITUDE 62°00' To 62°15'  
LONGITUDE 136°30' To 137°00'

CANADA  
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES



ISSUED UNDER THE AUTHORITY OF THE MINISTER

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

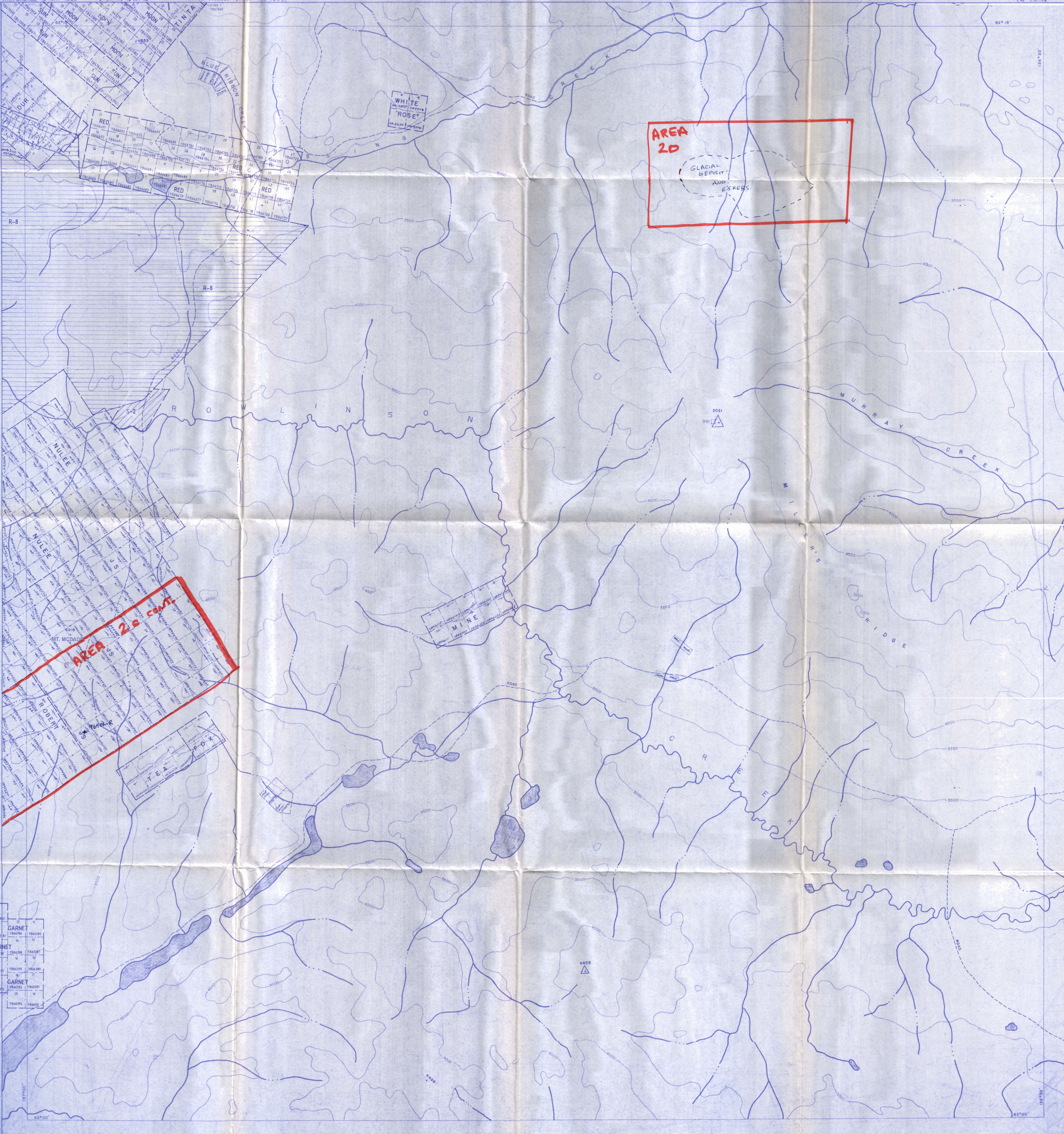
1151-6	1151-7	1151-8
1151-3	1151-2	1151-1
1151-14	1151-15	1151-16

## NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER ON THE SHEET BEFORE ADEQUATE SURVEYS HAVE BEEN MADE.

24 JAN 1972  
12 MAY 1965

18 NOV 71  
19 NOV 71  
20 NOV 71  
21 NOV 71  
22 NOV 71  
23 NOV 71  
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31 DEC 71



YB6493	12	11
GARNE	12	11
YB6494	12	11
YB6495	12	11
YB6496	12	11
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YB6600	12	11

115I-3  
QUARTZ

LATITUDE 62° 00' TO 62° 15'  
LONGITUDE 137° 00' TO 137° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

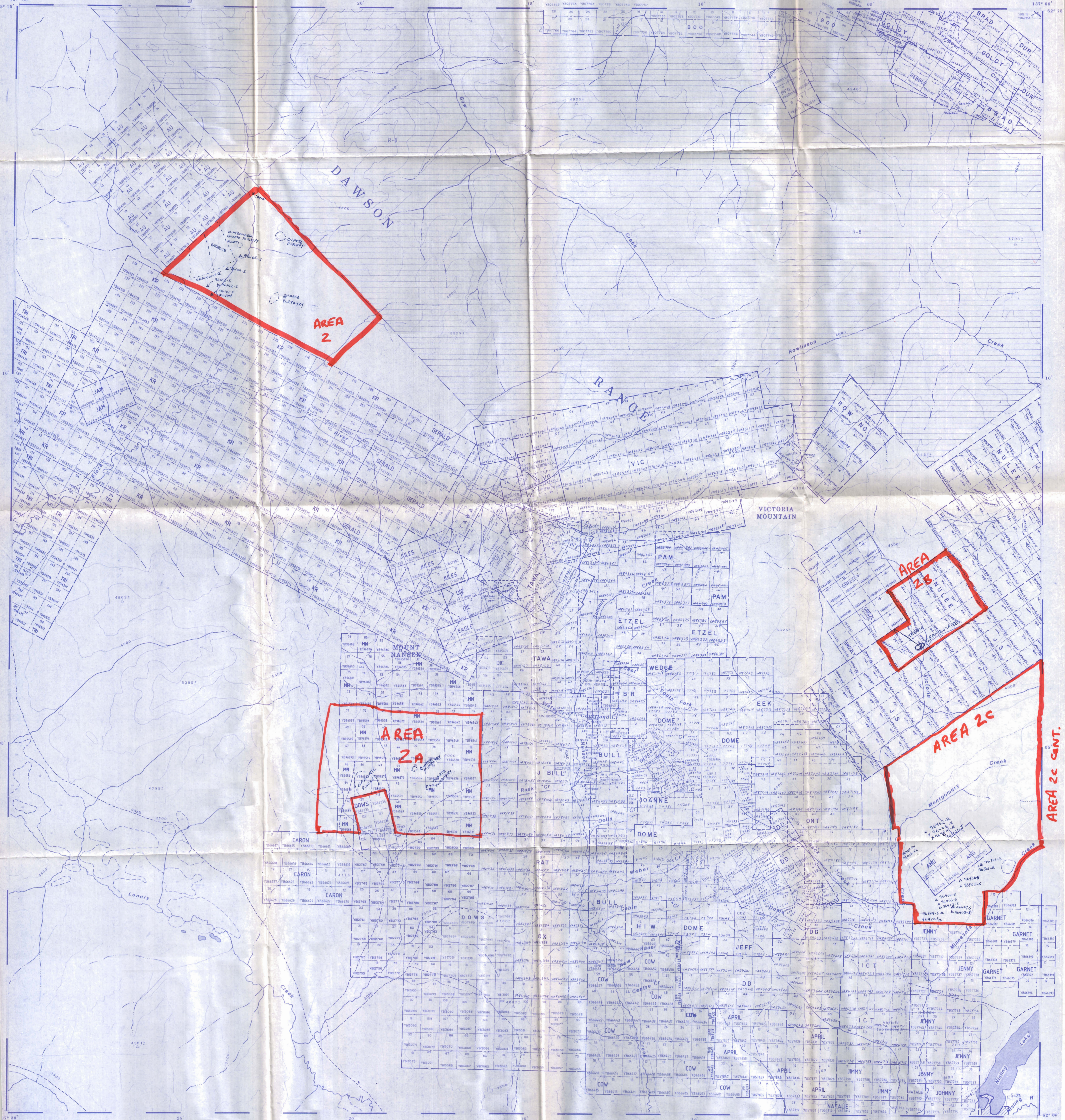
SCALE 1:30,000



NOTE:  
THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.  
TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES. CONTOUR INTERVAL 500 FEET. SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.  
Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to the Existing Surface and Subsurface Rights.

115I-5	115I-6	115I-7
115I-4	115I-3	115I-2
115H-13	115H-14	115H-15

Note: For placer claims see 115I-3 placer





**PROJECT III**  
**CHAPTER ONE**  
**INTRODUCTION**

**1-1: Introductory Statement**

Two days were spent examining a possible Kimberlite occurrence near Minnie Bell creek in the Dawson City area.

**1-2: Location and Access**

Access to the project area is located approximately six km southeast of the junction of the Dempster and North Klondike Highways on mapsheet 115 O/15. A 6.5 km trail south from the North Klondike Highway leads to the area of the occurrence.

**1-3: Physiography and Vegetation**

As with many areas in the Dawson region, discontinuous permafrost and the lack of recent glaciation have created deeply weathered subcrop which is often covered with moss +/- frozen black muck. Tree cover is usually limited to south facing hillsides with north and west facing exposures hosting only low buck brush. Placer mining operations usually provide the only bedrock occurrences.

**1-4: Targets and Minerals Prospected for**

Targets sought in the area was the reported occurrence of a possible kimberlite pipe

**1-5: Work Program**

Two days were spent prospecting the area between Vanderbilt and Minnie Bell creeks.

## CHAPTER TWO

### GEOLOGY

#### 2-1: Geology

The area is underlain by Carbonaceous aged quartzites and schists. The possible kimberlite turned out to be schist with garnets. Rocks containing massive sulphides were found at the headwaters of a pup off of Minnie Bell creek but samples were not collected as the occurrence appeared to be in the process of being staked.

## **CHAPTER THREE**

### **GEOCHEMISTRY**

#### **3-1: Soil Geochemistry**

No soil samples were collected.

#### **3-2: Rock Geochemistry**

No rock samples were collected.

## CHAPTER FOUR

### CONCLUSIONS & RECOMMENDATIONS

Little of interest other than a possible VMS showing which was in the process of being staked was found. Followup should be limited to periodically examining the quartz claim sheet for the area to check the status of the ground.

Area 3. 115.0.15

2 days Sept 2 and Sept 3 were spent on area 3. to examine a possible Kimberlite occurrence near Minnie Ball Creek that was reported to me by Placer miners in the area. The occurrence turned out to be just shist with Garnets. Kimberlites do occur southwest of this area in the vicinity of Gordon River - and are the probable source of Placer Diamonds in the area.

Rocks containing massive sulphides were found at the headwater of a Pup off Minnie Ball Creek near some Bulldozer workings - This was not followed up because a pile of Hardrock Pasts were found along the occurrence. Indicating that someone had already found the occurrence and was ready to stake it. The area between all gold Vanderbilt & Minnie Ball Creeks was prospected by ATU and on foot. The area contains mostly shist with numerous small pieces of Quartz everywhere in the soils & Grouels.

Steenley

# I15-0-15 QUARTZ

LATITUDE 63° 45' TO 64° 00'  
LONGITUDE 106° 00' TO 106° 30'

CANADA

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES  
NORTHERN ADMINISTRATION AND LANDS BRANCH  
MINING AND LANDS DIVISION

SCALE 1:11,680

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FEET

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MILES

ISSUED UNDER THE AUTHORITY OF THE MINISTER  
NORTHERN AFFAIRS AND NATIONAL RESOURCES

## NOTICE

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TOPOGRAPHY COMPILED FROM  
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SERIES  
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**PROJECT IV**  
**CHAPTER ONE**  
**INTRODUCTION**

**1-1: Introductory Statement**

Four days were spent prospecting two areas north of Little Salmon Lake on the Robert Campbell Highway. The weather was very wet at the time of the surveys. Area 4 was examined for the possibility of an old mine adit containing copper and gold. Area 4A was prospected in the hopes of finding nickel sulphide and copper/gold occurrences.

**1-2: Location and Access**

The project areas are located approximately 105 km east of Carmacks on the Robert Campbell Highway on mapsheet 115/L/1,2.  
105L/1,2  
Both areas are immediately north of the highway

**1-3: Physiography and Vegetation**

Target area 4 is very steep containing numerous ravines with vertical walls. Elevations range from 2000 - 4000 ft. in the immediate vicinity of area of interest. Evergreen forest cover is extensive.

The area surrounding target area 4A is less rugged although elevations and vegetation are similar.

**1-4: Targets and Minerals Prospected for**

Targets sought are nickel sulphide and copper/gold deposits in

the sediments of a thin slice of the Cassiar Platform near ultramafic and granitic rock contacts in the area immediately north of the Teslin Suture.

**1-5: Work Program**

Two days were spent prospecting each area. Weather was wet and although historical mining activity was located in the form of a shallow addit on a 4 ft. wide quartz vein, no samples were collected.



## CHAPTER TWO

### GEOLOGY

#### 2-1: Geology

The area 4 is underlain by Carboniferous and Permian aged metamorphic rocks including the Big Salmon Metamorphic Complex and Cretaceous altered granodiorite whereas area 4A is underlain by Carboniferous and Permian aged intermediate to mafic volcanic rocks and sediments.

## **CHAPTER THREE**

### **GEOCHEMISTRY**

#### **3-1: Soil Geochemistry**

No soil samples were collected.

#### **3-2: Rock Geochemistry**

No rock samples were collected.

**CHAPTER FOUR**  
**CONCLUSIONS & RECOMMENDATIONS**

Little of interest was found with the exception of shallow historical diggings on a 4 ft. wide quartz vein and no further work is recommended.

## Area 4 and 4A 105L2 and 105L1

Area 4 was Prospected on Sept 12 and Sept 13

I was assisted by Rick Charlobois.

The main target in the area is an old mine that reportedly contains copper and possibly gold.

Previous attempts have led us to believe that the adit is in the area we have prospected.

The area is very steep and contains numerous Ravines with vertical walls. A contact between Granodiorite + metamorphic Rock occurs in the area as indicated on the map.

An old camp was found with pieces of old Boots, some 4 foot long logs, possible adit lumber. The adit was not found.

A Quartz vein was found on Day 2 near the top of the ridge as indicated on the map.

The vein is in a Ravine on a near vertical wall. The vein is about 4 feet wide and extends horizontally through altered Granodiorite. The vein has been previously been mined to a depth of about 1 foot. Possibly by the people who drove the adit in the area. The vein is sugary textured with many close spaced brown sized lines through it. Wet weather prevented us from sampling the vein. We took a piece of the Quartz and some Granodiorite. The terrain is extremely dangerous even in dry weather.

Page 2

Area 4A was prospected on Sept 14 and Sept 15. The terrain in this area is not as dangerous as in area 4. I prospected this area by myself. Targets in the area were nickel, platinum, in the ultra mafic rock which extends from near Drury Creek approx 3 miles to the west. Outcrops were examined all along the area. No significant mineralization was found. Weather was wet.

Edley

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

SHEET 105L-1

LATITUDE 62°00' To 62°15'  
LONGITUDE 134°00' To 134°30'

CANADA  
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES  
NORTHERN ADMINISTRATION AND LANDS BRANCH  
LANDS DIVISION

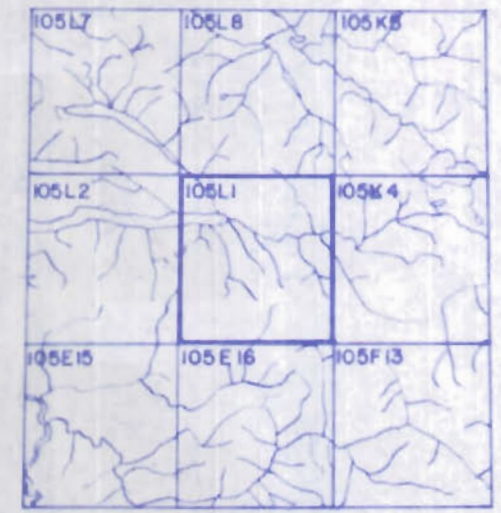
SCALE: 1/2 MILE TO 1 INCH



ISSUED UNDER THE AUTHORITY OF THE MINISTER OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

I.G. Indian Grave Site

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.



WHITEHORSE

23 Oct 73	22 July 77	11 DEC 76
8 FEB 71	12 FEB 77	17 OCT 76
2 May 57	19 JULY 76	31 OCT 76
	14 MAY 74	15 OCT 76
		21 OCT 76
		24 OCT 76
		25 OCT 76
		28 OCT 76
		30 OCT 76
		31 OCT 76



1000748020

# SHEET 105L-2

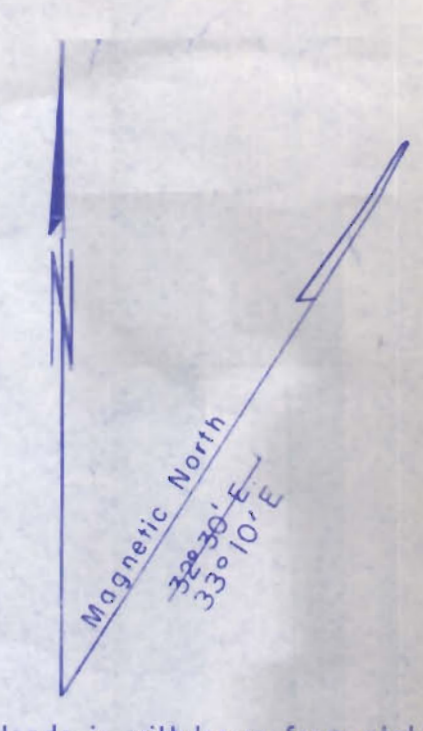
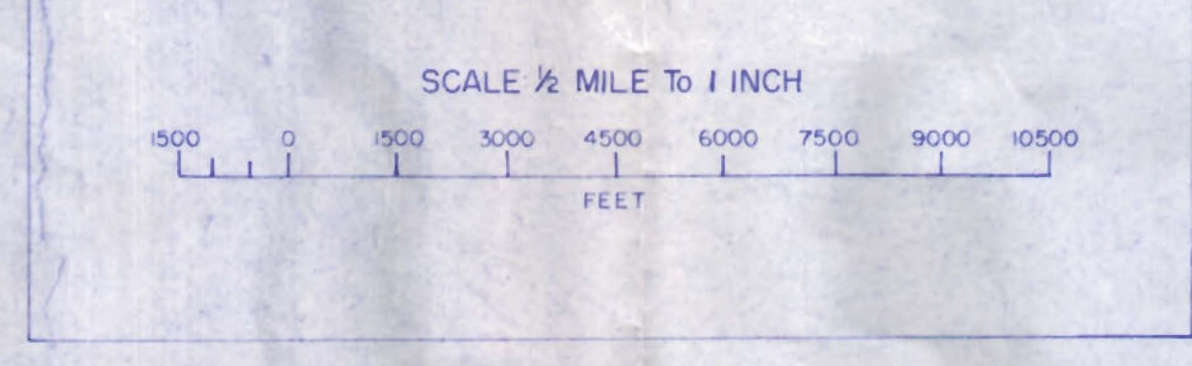
## NOTICE

## DATE DUE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

31 JULY 86  
16 OCT 95  
16 JAN 95  
12 NOV 94  
22 AUG 94  
11 MAY 93  
24 AUG 92  
11 OCT 89  
23 JUL 89

30 AUG 88  
23 OCT 1973  
11 JAN 1971  
2 FEB 1966  
WHITEHORSE



105 L-6	105 L-7	105 L-8
105 L-3	105 L-2	105 L-1
105 E-14	105 E-15	105 E-16

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

