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VANCOUVER, B.C.

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORTS

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## GEOCHEMICAL REPORT

### BART #3

Latitude 56° 01'N

Longitude 129° 35'W

Skeena Mining Division

Owner: Camnor Resources Corp.

Operator: Camnor Resources Corp.  
860 - 625 Howe Street  
Vancouver, B.C.  
V6C 2T6

Report by: D.A. Visagie  
Senior Geologist  
International Northair Mines Ltd.

Date: September 20, 1995

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORTS

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## 1.0 INTRODUCTION

Camnor Resources Ltd's Willoughby gold-silver property occurs within the "Golden Triangle" of northwestern B.C. The property is located approximately 26 kilometres east of the village of Stewart. Mapping has shown it to be underlain by Triassic and Lower Jurassic volcanic and sedimentary rocks at the Willoughby Nunatak that have been intruded by Jurassic hornblende-feldspar porphyry. To date 11 gold  $\pm$  silver mineralized zones have been located. As part of its' evaluation of the Willoughby property 1 day, August 7, was spent mapping and sampling a portion of the Bart #3 claim. A total of 11 rock chip samples of weakly gossanous rock and quartz veining were collected and sent for analysis. Total expenditures are calculated to be \$2581.15

## 2.0 LOCATION AND ACCESS

The Bart #3 claim is part of the Willoughby property. The property is located 26 kilometres east of Stewart occurring on the eastern flank of the Coast Mountains, northwestern B.C. The Bart #3 claim is centred at latitude 56°01'N, 129°35'W occurring on NTS sheets 103P/13E and 104A/4E.

Presently the property is accessible only by helicopter. The nearest paved road, Highway 37A is located 14 kilometres to the north. Logging roads that connect to Highway 37 passes to within 17 km of the claims eastern boundary.

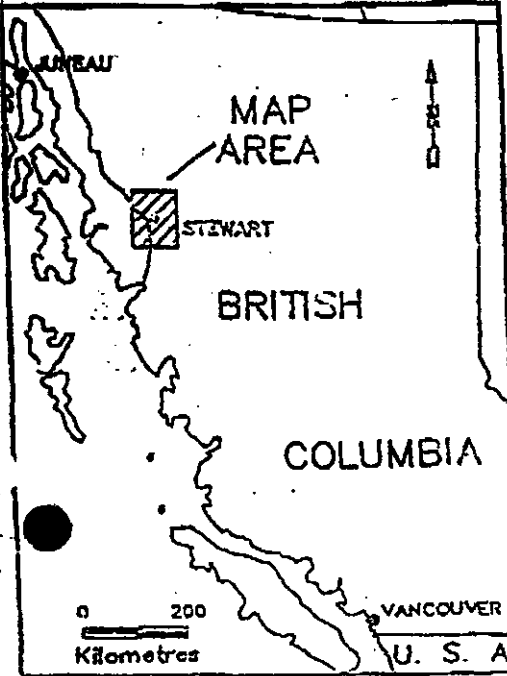
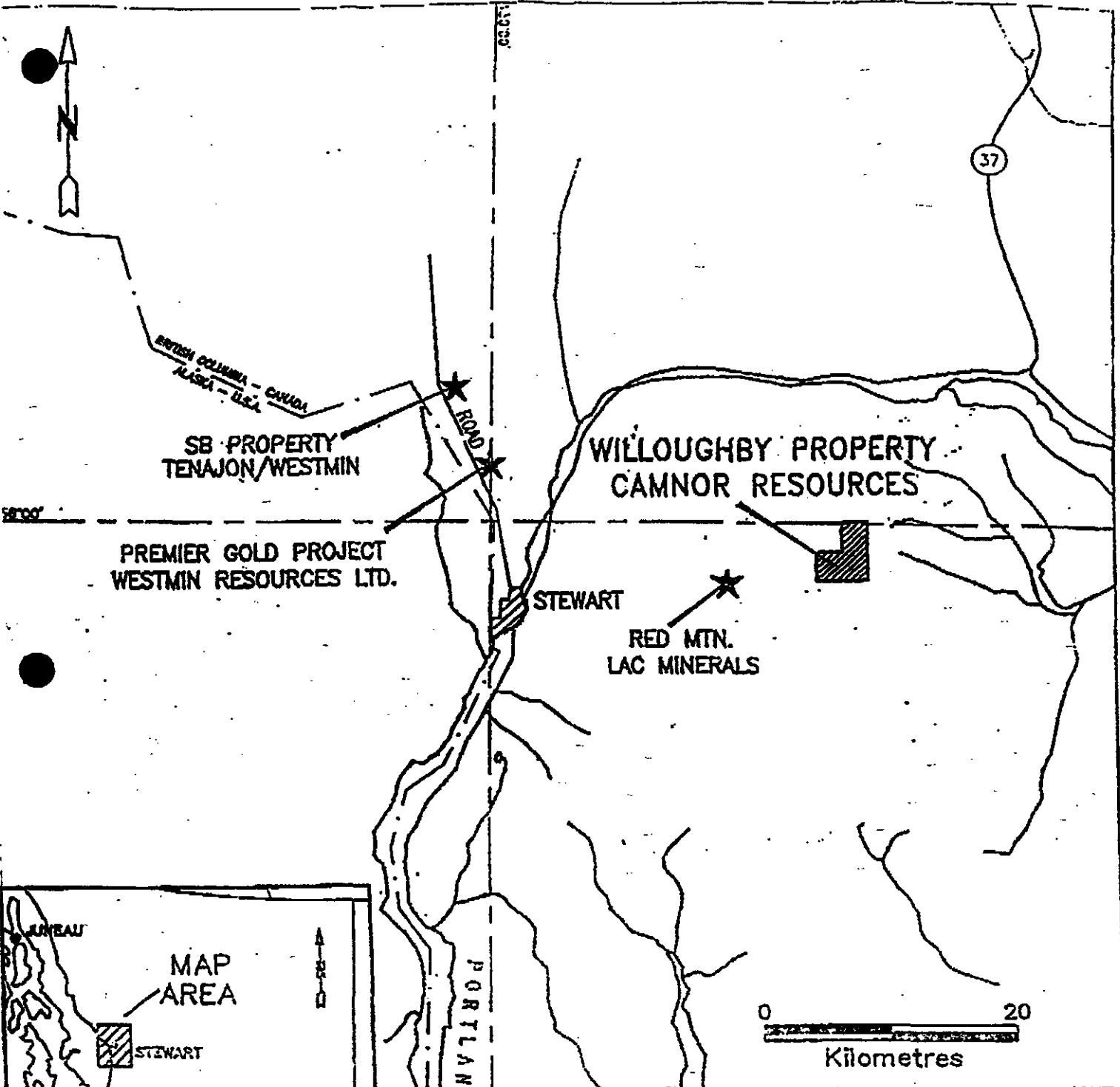
## 3.0 PHYSIOGRAPHY AND TOPOGRAPHY

The Bart #3 claim covers a portion of Del Norte valley. The claim commences at the ridge that divides the Willoughby and Del Norte valleys continues downslope across the valley halfway up the northern slope of Del Norte Valley. The area is extremely rugged with the upper reaches and valley floor being glacier covered. Vegetation consists of a thin veneer of mountain hemlock and balsam that gives way to alpine meadows and bare rock at higher elevations. Trimlines in the Willoughby and Del Norte valleys mark the maximum extent of the ice during the "Little Ice Age" which culminated in the nineteenth century leaving steep, marginally stable, vegetation-free slopes above the glaciers for 200 metres.

## 4.0 PROPERTY STATUS

The Bart claim consists of the following:

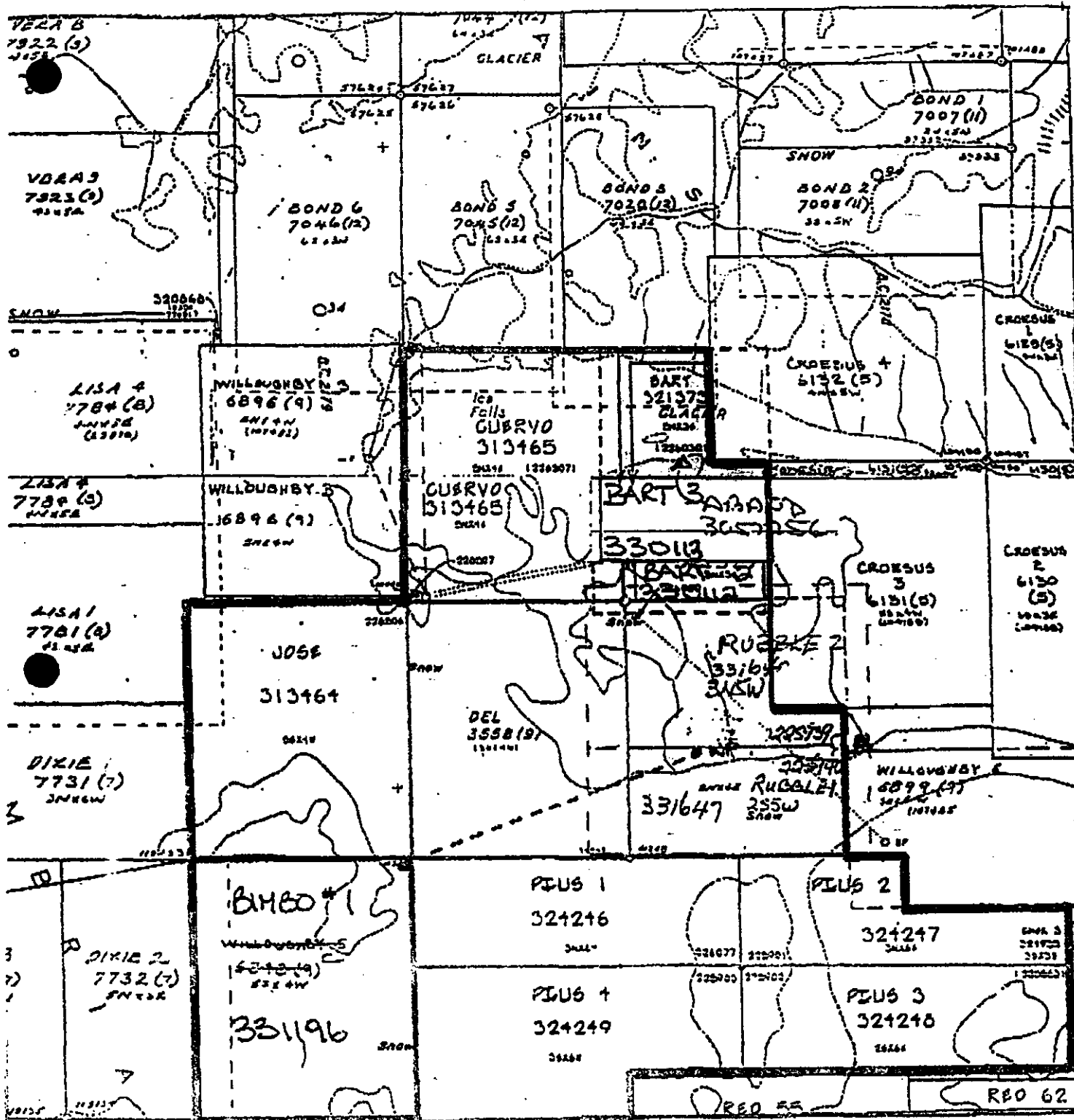
<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Expiry Date</u>
Bart #3	12	330113	Aug 14, 1994	Aug 14, 1997



**CAMNOR RESOURCES**

**WILLOUGHBY PROPERTY  
LOCATION MAP**

DRAWN BY: T.K.	NTS: 103P, 104A
DATE: APRIL 1994	FIGURE NO:



**CAMNOR RESOURCES**  
**WILLOUGHBY PROPERTY**  
**CLAIM MAP**

DRAWN BY: T.K.      NTS: 103P, 104A  
 DATE: APRIL 1994      FIGURE NO:

## 5.0 PROPERTY HISTORY

There is no recorded history of any work being completed on the Bart claim prior to Camnor acquiring the ground. At the nearby Willoughby property intermittent exploration has been on-going since the 1940's with major exploration programs being undertaken by Bond Gold in 1989 and by Camnor Resources in 1994 and 1995.

## 6.0 REGIONAL GEOLOGY

*The Bart claim occurs along the eastern margin of the Cambria Icefield, an area most recently mapped and described by Greig et al (1994). Geologically the property is situated at the eastern edge of a broad, north-northwest trending volcano-plutonic belt composed of Upper Stuhini and Lower Jurassic Hazelton Group rocks. This belt termed "Stewart Complex by Grove (1986) forms part of Stikinia terrane. To the west the Stewart Complex is bordered by Cretaceous Coast Plutonic Complex rocks while to the east it is overlain by Middle to Upper Jurassic Bowser Lake Group sedimentary rocks.*

Rocks in the vicinity of the Cambria Icefield are mainly Jurassic aged. The central and higher parts of the area, coinciding with the major icefields, are underlain by resistant Lower Jurassic felsic and mafic volcanic rocks which mark the top of both the structural basement and volcanic part of the Hazelton Group. The eastern part is underlain by Upper Lower Jurassic to Upper Jurassic clastic rocks correlative to Hazelton Group Salmon River Formation and the Upper Bowser Lake Group. Upper Triassic clastic and Triassic or older basalt occur locally.

The northeast trending Cambria Fault, located between the Bart claim and Royal Oak's Red Mountain property separates domains containing structures of different vergence. Northwest of the fault, the domain is characterized by structures with southwest vergence on the northeast and northeast vergence on the southwest. The boundaries between the central culmination and the limbs are coincident with the faulted, Bitter Creek and Cornice Mountain antiforms. Southeast of the Cambria fault, southwest verging structures dominate.

Five Middle Jurassic to Tertiary plutonic suites occur in the area. The most important and the Goldslide and associated intrusions which appear to be genetically related to the Red Mountain gold deposit. The Goldslide intrusions are small plutons and related sills and dykes that are hornblende plagioclase porphyritic. Compositionally they range from quartz monzonite, granodiorite to diorite and locally contain quartz, biotite and potassium feldspar. Several Goldslide intrusions have been recognized in the area including one at the Willoughby Nunatak.

At Red Mountain, porphyry gold-silver mineralization is associated with coarse-grained pyrite occurring in stockworks, pods, veins and disseminations developed within and along the margins of an apophysis of the Goldslide intrusion. Country rocks are massive to thinly bedded fine grained tuffs. The spatial association of mineralization, alteration style and the presence of breccia dykes associated with the intrusive suggests a genetic relationship.

## **7.0 PROPERTY GEOLOGY**

The Bart #3 claim is underlain by northwest striking Triassic Stikine Assemblage basalt and Triassic Stuhini Group mudstone and argillites. Both units have been intruded by feldspar porphyry dykes. Minor quartz carbonate veining occurs in both units. The veins on occasion contain minor pyrite. Minor disseminated pyrite also occurs within basalt. On occasion a weak gossan is formed within both the argillite and the basalt.

## **8.0 1995 WORK PROGRAM**

As part of its' evaluation of the Willoughby property one day, August 7th, was spent by the author evaluating a portion of the Bart #3 claim. For the duration of the Willoughby property evaluation all crew was housed at Camnor's White River camp located 22 km to the east of the property. Transportation to and from the work sites was by Hughes 500 D helicopter chartered from Vancouver Island Helicopters. Work at the Bart #3 claim consisted of mapping and the taking of 11 rock chip samples from both outcrop and float. All samples were fire assayed for gold at Westmin Mines' Premier Mine site located near Stewart.

## **9.0 ASSAYING PROCEDURE**

Rock chip samples were collected from both outcrop and float using a hammer and moil. Samples taken from outcrop were generally over a measured width. All samples were identified, described, stored in plastic bags then sent for analysis. The sample descriptions are located in Appendix 1. All samples were sent to Westmin Mines Premier Mine lab for gold analysis. The following is an outline of the procedure used for the preparing and analysis of the samples.

Samples dried (if necessary), crushed or sieved to pulp size and pulverized to approximately -140 mesh.

For gold analysis a 1 assay ton is preconcentrated by conventional fire assay. The resulting Ag prill is digested in 3 ml 30% HNO<sub>3</sub>, anything insoluble is dissolved using 3 ml concentrated HCl. The resulting solution is diluted to 10 ml and analyzed by atomic absorption.

## **10.0 ASSAY RESULTS**

The assay results are listed in Appendix 1 with the values being plotted on Figure 3. None of the samples contained any significant gold values.

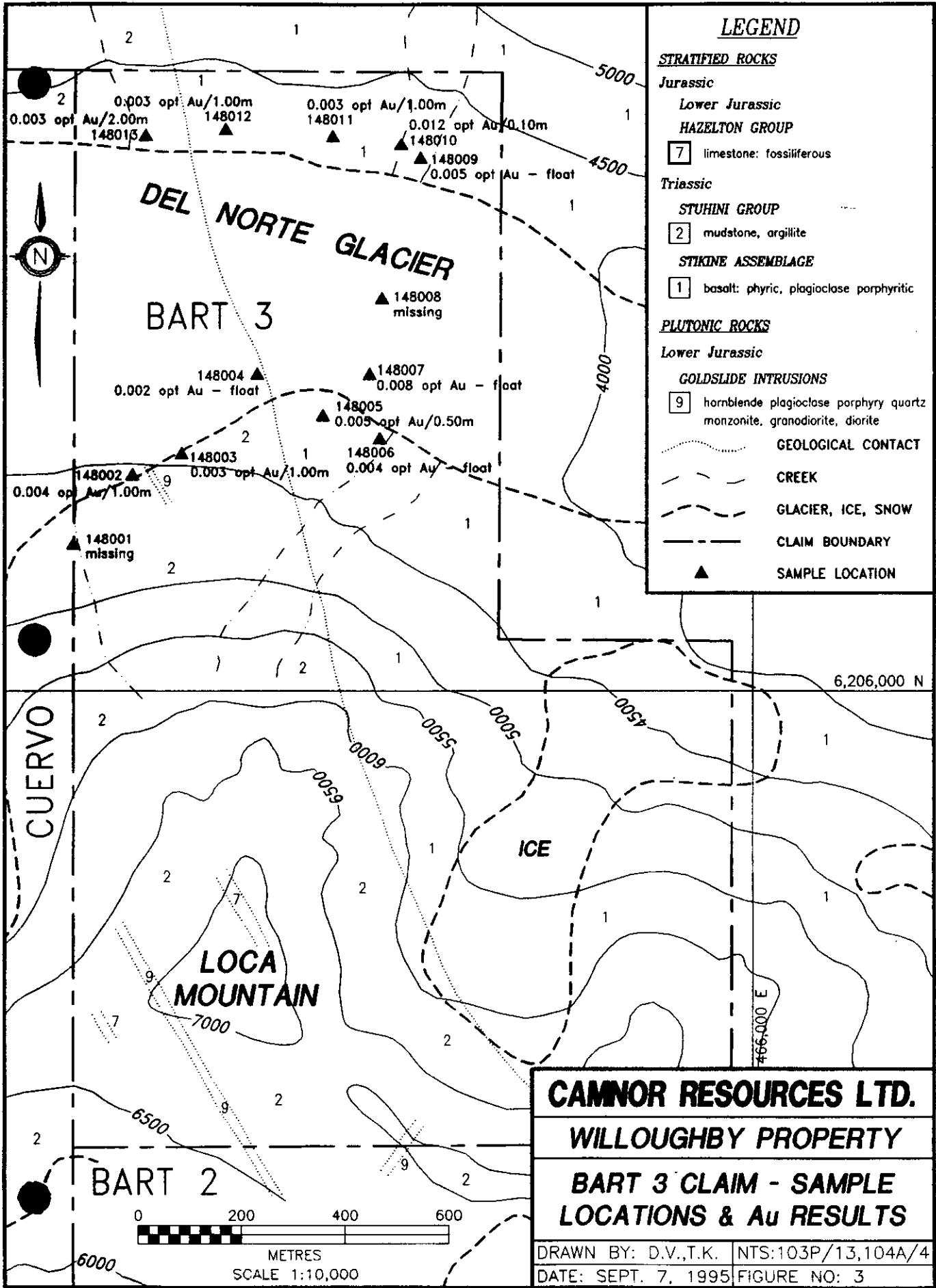
## **11.0 SUMMARY AND CONCLUSIONS**

A one day evaluation of a portion of the Bart #3 claim resulted in the taking of 13 rock chip samples from both outcrop and float. None of the samples returned anomalous gold values. The potential of the Bart #3 to host economic gold deposits in the sampled area is considered to be negligible.

## **12.0 RECOMMENDATIONS**

It is recommended that no further work be completed on the Bart #3 claim in sampled area.





**LEGEND**

**STRATIFIED ROCKS**

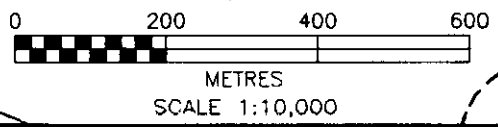
- Jurassic
  - Lower Jurassic
  - HAZELTON GROUP
    - 7 limestone: fossiliferous
- Triassic
  - STUHINI GROUP
    - 2 mudstone, argillite
  - STIKINE ASSEMBLAGE
    - 1 basalt: phytic, plagioclase porphyritic

**PLUTONIC ROCKS**

- Lower Jurassic
  - GOLDSLIDE INTRUSIONS
    - 9 hornblende plagioclase porphyry quartz monzonite, granodiorite, diorite
- GEOLOGICAL CONTACT
- CREEK
- GLACIER, ICE, SNOW
- CLAIM BOUNDARY
- SAMPLE LOCATION

**CAMNOR RESOURCES LTD.**  
**WILLOUGHBY PROPERTY**  
**BART 3 CLAIM - SAMPLE**  
**LOCATIONS & Au RESULTS**

DRAWN BY: D.V.,T.K. NTS:103P/13,104A/4  
 DATE: SEPT. 7, 1995 FIGURE NO: 3



**13.0 STATEMENT OF QUALIFICATIONS**

I, D.A. Visagie of 860-625 Howe Street, Vancouver, B.C. do hereby declare that:

1. In 1976 I graduated from the University of British Columbia with a Bachelor of Science Degree majoring in geology.
2. I am a registered member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
3. I have been steadily employed in the mining industry since 1976 and have been employed by International Northair Mines Ltd. as Senior Geologist since January 1990.
4. The work undertaken on the Bart #3 claim was undertaken by myself.

Dated at Vancouver, British Columbia, this 20th day of September, 1995

  
D.A. Visagie, P. Geo.



**14.0 COST STATEMENT**

1.	Labour (includes 1 day move/demove)	\$660.00
	D. Visagie: August 7 2 days @ 330	
2.	Room & Board	\$150.00
	2 mandays @ 75.00/manday	
3.	Equipment, Supplies	\$ 50.00
	includes pro-rated cost of field equipment	
4.	Travel	\$500.00
	To project and return to Vancouver	
5.	Helicopter	
	0.7 hours @ \$800/hour (includes fuel and oil)	\$560.00
6.	Assaying	\$126.50
	preparation: 11 samples @ \$2.50	
	gold assay: 11 samples @ \$9.00	
7.	Report Preparation	
	Writing report, preparation of maps, xeroxing	<u>\$300.00</u>
	Subtotal	\$2346.50
	Office Overhead @ 10%	<u>\$ 234.65</u>
	<b>Total</b>	<b>\$2581.15</b>

1480000000

SAMPLE DESCRIPTION

Project Willoughby

Sampler DAV

Date	Sample No.	Type	Location				Sample Data			Assay Data			Alteration	Sample Description
			Claim	Northing	Easting	Zone	From (m)	To (m)	Int. (m)	Cu	Au	Ag		
	148001	Rock	Bant's				0	1.0	1.0m		Missing			mmr gaseous basaltic volc. to erratic quartz - andesite
	148002	Rock	Bant's				0	1.0	1.0		.004			" " " "
	148003	Rock	"				"	"	1.0		.003			" " " "
	148004	Rock	"				PH - grab				.002			quartz carb pit within agillite
	148005	Rock	"				0	0.50	0.5		.005			wk qtz-carb veining in andesite - basaltic tuff
	148006	Rock	"				grab - PH				.004			quartz-carb pit weakly gaseous
	148007	Rock	"				"	"			.008			" " " " " " to py agillite host
	148008	Rock	"				"	"			.005	Missing		" " " "
	148009	Rock	"				"	"			.005			" " " "
	148010	Rock	"				0	.10	.10		.003			quartz - carb vein 084/85°W
	148011	Rock	"				0	1.0	1.0		.003			mmr quartz veining within andesitic volcanics
	148012	"	"				0	1.0	1.0		.003			weak gaseous in andesitic volc mmr qu
	148013	"	"				0	2.0	2.0		.003			" " " "

WESTMIN RESOURCES LIMITED  
PREMIER GOLD PROJECT ASSAY LABORATORY

## CERTIFICATE OF ASSAY

TO: CAMNOR RESOURCES

PROJECT &gt;&gt;&gt; CAMNOR - GOLD ASSAYS

DATE: 08-15-95

ASSAY LAB FILE: A081595.ALD

TRANSFER TEXT FILE: NG081595.OTD

PAGE: 1

SAMPLE TYPE: ORIGINALS

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SAMPLE IDENTITY	Au Gz/t	Au g/ton
148002	0.004	0.137
148003	0.003	0.103
148004	0.002	0.069
148005	0.005	0.171
148006	0.004	0.137
148007	0.008	0.274
148009	0.005	0.171
148010	0.012	0.411
148011	0.003	0.103
148012	0.003	0.103
148013	0.002	0.069