



ASSESSMENT REPORT

CAT TRENCHING
ISLAND FRACTIONAL CLAIMS #1 AND #2
(YA93380, 81)
WHITEHORSE MINING DISTRICT

105-D-2-3 091874

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 \$ 200.00 .

DA Emend

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

ASSESSMENT REPORT

**CAT TRENCHING
ISLAND FRACTIONAL CLAIMS #1 AND #2
(YA93380,81)
Whitehorse Mining District**

**NTS 105D-2,3
Latitude 60 13'N
Longitude 135 0'W
August 29,1986**

**for
ISLAND MINING and EXPLORATION CO. LTD.
706-595 Howe Street
Vancouver, B.C., V6C 2T5**

**by
T.GARAGAN
AURUM GEOLOGICAL CONSULTANTS INC.
1614-675 West Hastings Street,
Vancouver, B.C., V6B 4W3**

TABLE OF CONTENTS

	page
INTRODUCTION	1
CLAIM OWNERSHIP	1
LOCATION, ACCESS AND PHYSIOGRAPHY	1
HISTORY	1
GEOLOGY	1
EXPLORATION	2
DISCUSSION	2
REFERENCE	3

List of Figures

- Figure 1: Location Map: Island Fraction 1 and 2 claims
Figure 2: Claim Map: Ton 1-16, JL 1-80, Island Fraction 1
and 2 claims
Figure 3: Cat Trenching, Island Fractions 1 and 2 Midnite
Gulch

List of Appendices

- Appendix A: Analytical Results and Methods
Appendix B: Aurum Personnel
Appendix C: Statement of Qualifications

INTRODUCTION

This report describes the cat trenching carried out on the Island Fr.1 and Island Fr.2 claims by Aurum Geological Cons. Inc. for Island Mining & Exploration Co. Ltd. of Vancouver. A single cat trench was dug on the claims and two rock samples and one soil sample were taken from the trench.

CLAIM OWNERSHIP

The Island Fr.1 and Island Fr.2 claims(YA93380,81) are owned by Canadian Nickel Company Limited of Copper Cliff,Ontario and are optioned to Island Mining & Exploration Co. Ltd. of Vancouver,B.C. The adjacent Ton 1-16 claims are part of the same option agreement.

LOCATION,ACCESS & PHYSIOGRAPHY

The claims are located in 105D-2 and D-3 of the Whitehorse Mining district at latitude 60 13'N and longitude 135 0'W. The claims are situated between Dickson Hill and Mt.Stevens, immediately west of the Wheaton River and Midnite Gulch (Fig.1&2).

Access is by a 9 km road which leads from the Annie Lake road at Partridge Creek to the claims. Partridge creek is located 29 km along the Annie Lake road from the Klondike highway (highway #2).

The property is located above treeline, at 1500m elevation in a broad saddle between Dickson Hill and Mt.Stevens. Outcrop is sparse and the area is covered by typical alpine vegetation.

HISTORY

Exploration in the Midnite Gulch area has been carried out since 1906 when several trenches and a few adits were dug and blasted. The area has been restaked several times since then and the present adjacent Ton 1-16 and JL 1-80 claims were staked between 1980-1983. The Island fraction claims were recorded September 3,1985.

GEOLOGY

The Island fraction claims are situated near the eastern margin of the coast plutonic complex. The regional geology is described

by Wheeler (1961) and Lambert (1974) and will not be repeated here.

The claims are underlain by blocky dark green weathering Triassic, Lewis River group basaltic and andesitic flows. The volcanics are locally strongly sheared in a northwesterly direction and are intruded along the shears by Tertiary(?) very fine grained felsite to rhyolite dykes. The dykes maybe up to 6 m wide on the Island claims.

The felsic dykes are weakly to moderately silicified and the volcanics are ankerite and occasionally fuschite altered in the shear zone adjacent to the dykes. Mineralization on the adjacent Ton claims occur within the altered dykes and consists of quartz stockwork zones with up to 5% galena with minor sphalerite, pyrite, chalcopyrite and native Au.

EXPLORATION

A cat trench was dug on the Island Fractional 1&2 claims in an attempt to expose a 5-10m wide altered and mineralized felsic dyke which had been exposed in trenches to the east on the Ton claims (Fig.3). Bedrock was exposed in only 10% of the trench due to permafrost, hence the large dyke was not exposed.

The outcrop consists of ankerite altered and sheared andesite which is cut by 2 thin sericitized rhyolite dykes. The dykes are cut by thin quartz veins. Two rock samples were taken from the altered dykes and a soil sample was taken from a small gossan. The samples were analysed for gold and silver. The sample results and location are plotted in figure 3 and the sample and results are listed in Appendix A. The geochemical values are low with the best value being 56 ppb Au and 0.4 ppm Ag in sample # 3T1041.

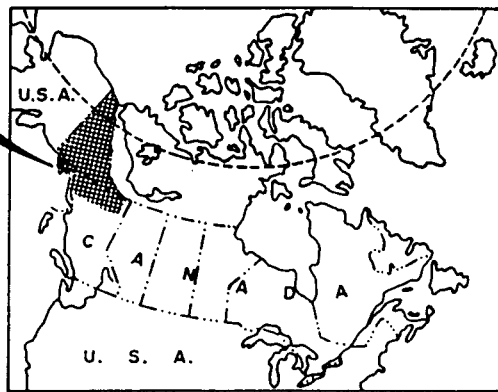
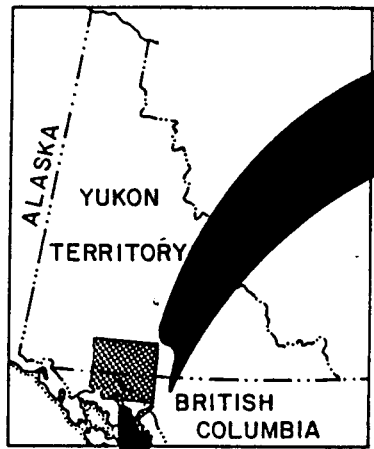
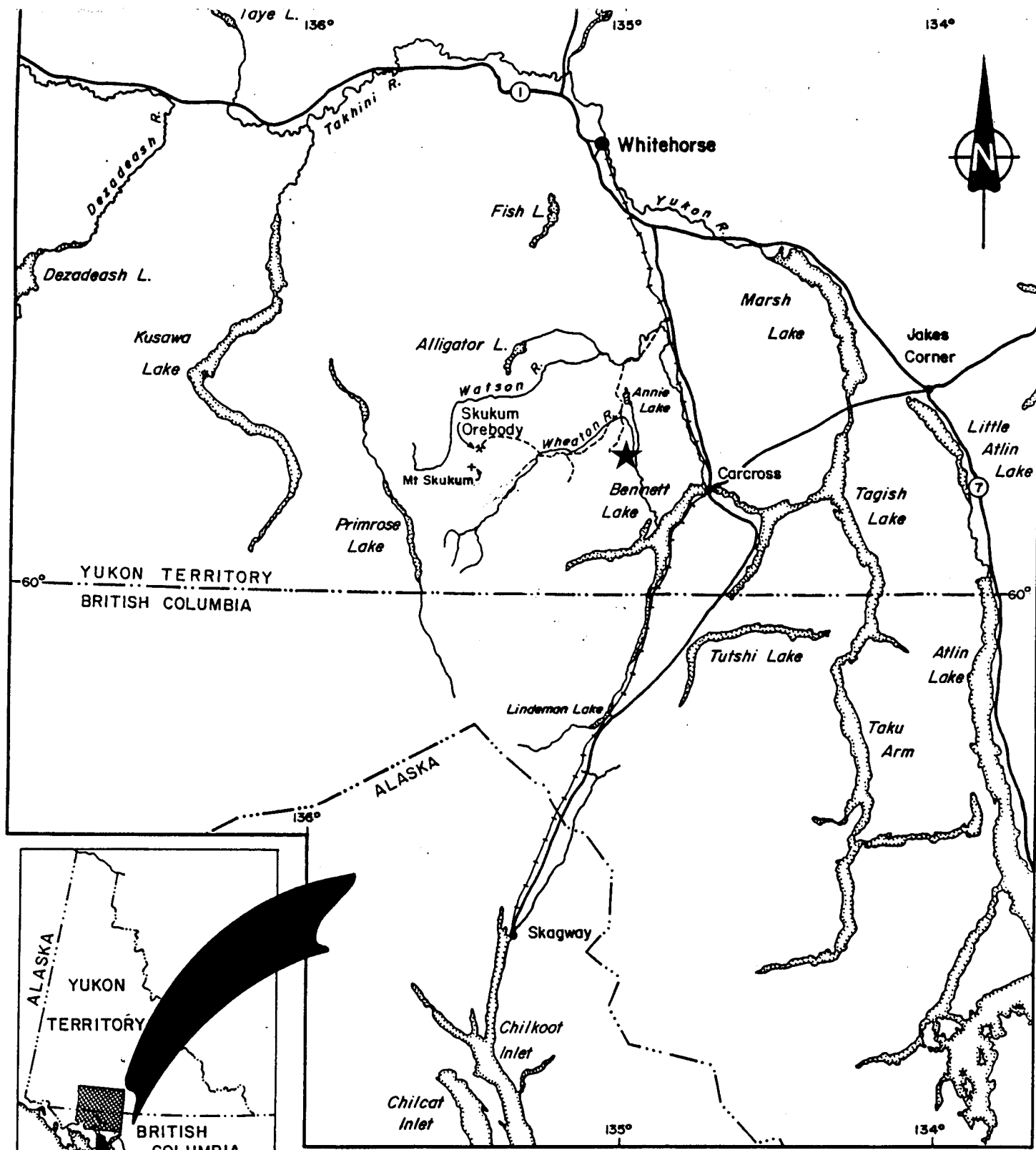
DISCUSSION

The target of the cat trench (approx 6m wide dyke) was not reached due to permafrost. The trench should be deepened during the 1987 season after the exposed permafroset has had more time to melt.

REFERENCES

LAMBERT, M.B. 1974: The Bennett Lake Cauldron Subsidence Complex,
British Columbia and Yukon Territory. G.S.C.
Bull. 227.

WHEELER, J.O. 1961: Whitehorse Map Area, Yukon Territory.
105D. G.S.C. Memoir 312.



ISLAND MINING & EXPLORATION Co.Ltd.			
ISLAND Fraction 1 & 2			
LOCATION			
Aurum Geological Consultants Inc.		January, 1986	
Drawn by N.H.	Checked by	Scale 1:1,000,000	FIGURE 1



LEGEND

- Road
- Diamond drill hole location

NOTES - claims surveyed by MBW Surveys Ltd.
 - CC 43, 44 government survey monuments
 - topography from Dept. of Energy, Mines and Resources 1:50,000 scale map 105D/2/3
 - contour interval 100 feet
 - magnetic declination 30°E (1985)

ISLAND MINING & EXPLORATION CO. LTD.

CLAIM MAP

TON 1-16 MINERAL CLAIMS
 WHEATON RIVER-CARCROSS MAP SHEETS, NTS 105D/2,3
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY

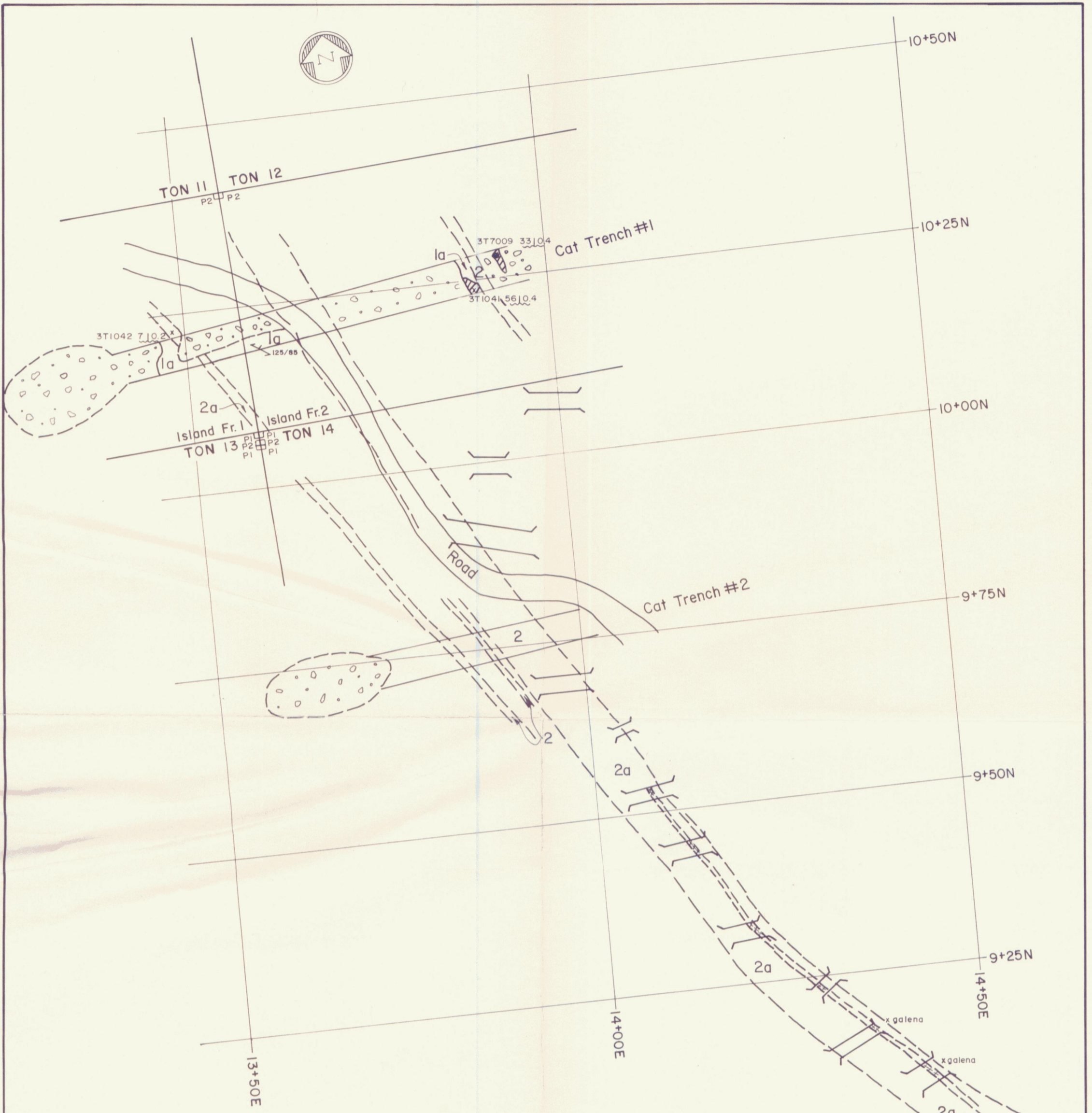
SCALE 1:5,000



by AURUM GEOLOGICAL CONS. INC.
 adapted from
 AMERLIN EXPLORATION SERVICES LTD.

October, 1986

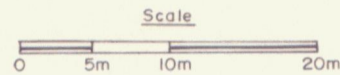
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LEGEND

- Claim line
- Grid line
- Claim post
- Cat trench
- Previous existing trenches
- Overburden
- Gossan
- xxx Vein & brecciated vein
- x Rock sample
- Soil sample
- Tertiary?
- 2 Fine grained felsite - rhyolite
- 2a: Silicified & sericitized rhyolite
- Triassic Lewis River Group
- 1 Metabasalt - andesite
- la: carbonate altered & sheared volcanics with occasional fuschite

* Assays recorded in this manner: Au(ppb) | Ag(ppm)



ISLAND MINING & EXPLORATION CO. LTD.		
CAT TRENCHING ISLAND FRACTIONS 1,2 MIDNITE GULCH		
Aurum Geological Consultants Inc.	Scale: 1:5,000	
Drawn by: H.D.P.	Date: 86/10/23	Figure:

APPENDIX A
ANALYTICAL RESULTS AND METHODS

Results

type	sample_#	Au(ppb)	Ag(ppm)
rock	3T1041	56	0.4
rock	3T1042	7	0.2
soil	377009	33	0.4

Methods

The analyses were carried out by Acme Analytical of Vancouver. The soil sample was dried and sieved to -80 mesh and a split is analysed. Rock samples are pulverized and a split of the -200 mesh fraction is analysed.

Gold analyses are by fire assay techniques, but after preparation of the bead, it is dissolved in acid and the gold content is determined by atomic absorption spectrophotometry.

In silver analyses the sample is dissolved in hot aqua regia and analysed by atomic absorption spectrophotometry.

APPENDIX B

AURUM PERSONNEL
1614-675 West Hastings Street
Vancouver, B.C. V6B 4W3

T. Garagan, B.Sc.

**Director,
Geologist.**

**Project
supervision
mapping,
sampling.**

APPENDIX C

STATEMENT OF QUALIFICATIONS

I, THOMAS GARAGAN, hereby certify that:

1. I am a geologist with Aurum Geological Consultants Inc. of 1614 675 West Hastings Street, Vancouver, B.C. and that I caused to be preformed the work described in this report.
2. I obtained a Bachelor of Science degree with Honours in Geology from the University of Ottawa, Ontario, in 1980.
3. I am a fellow of the Geological Association of Canada (F3819) and a memnber of the Mineralogical Association of Canada.
4. I have been engaged in mineral exploration and geological survey mapping on a full and part time basis for 9 years, of which 6 have been spent on mineral exploration programs in the Yukon Territory.
5. I have no interest in the claims or securities of Island Mining and Exploration Co. Ltd., nor do I expect to obtain any.

DATED at Calgary, Alta., this 6th day of November 1986.



Thomas Garagan,
Geologist

ISLAND FRACTION 1 and 2 (YA 93380, 81)



Cat Costs

D7 tractor with ripper on loan from Shakwak Exploration Co. Ltd: August 29 = 1.5 hrs @ \$125/hr (includes fuel) (invoice from Shakwak to Island Mining dated September 5)

Total cat costs: \$187.50

Geochemical Costs

Geochemical analyses by Acme Analytical:

2 rock samples (3T1041/42) for Au/Ag analysis = 2 x \$10.50 \$21.00

1 soil sample (3T7009) for Au/Ag analysis = 1 x \$8.25 8.25

Total geochemical costs 29.25

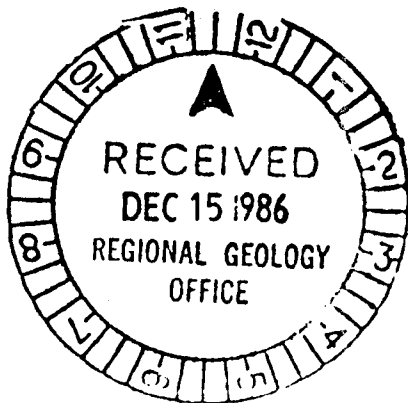
Geological Supervision and Mapping

T. Garagan, B.Sc., FGAC: 1/2 day @ \$200/day - August 29 - Aurum Geological Cons. Inc. invoice 86-84 100.00

TOTAL COSTS FOR ASSESSMENT PURPOSES \$316.75

Summary of Fee Calculations and Claim Renewal

Renew ISLAND FRACTION #1 and #2 from September 3rd 1986 to September 3rd 1987 = 2 claims for 1 year/1 month late = \$15.00 x 2 \$ 30.00



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