

56-1004-15498

G.C. #2 CLAIM

~~ALBERNI~~ ALBERNI MINING DIVISION

N.T.S. 92F/6E

LAT. 49° ~~49~~ 20.2'

LONG. 125° ~~125~~ 12.8'

PROSPECTING REPORT

Owner/Operator: Leslie O. Allen

by

RON BILQUIST,  
PROSPECTOR

DECEMBER, 1986

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,498

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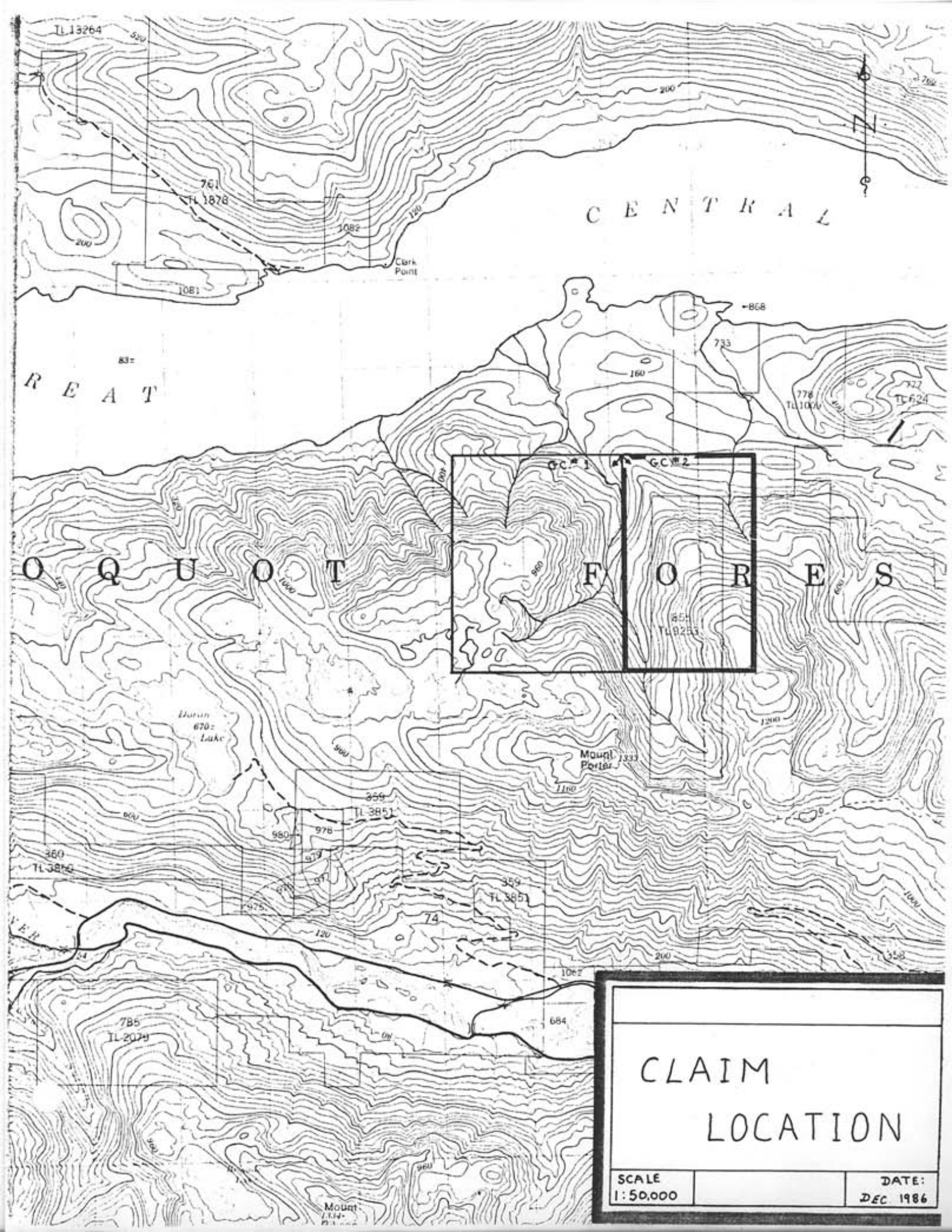


# G.C. CLAIM

- LOCATION MAP -

VANCOUVER ISLAND

	DATE
	DEC. 1986



CLAIM  
LOCATION

SCALE  
1:50,000

DATE:  
DEC 1986

## INTRODUCTION

The G.C. #2 Claim covers an area of interest discovered by S.D. Craig in 1984. Float, anomalous in gold, was discovered in the creeks which drain the area now covered by the G.C. #1 and #2 mineral claims. This report is concerned with the work carried out on G.C. #2 during 1986.

## LOCATION AND ACCESS

The claims lie in central Vancouver Island, 28 kilometers west of Port Alberni, between Sproat Lake and Great Central Lake. Access is by boat from the east end of Great Central Lake, then by foot along logging roads and a trail to the showings. A logging company has surveyed a road from Doran Lake to the general vicinity of the claims which will give access by road from the Alberni/Tofino Highway.

## OWNERSHIP

The G.C. #2 Claim is owned jointly by S.D. Craig with R. Bilquist and L.O. Allen.

### HISTORY AND PREVIOUS WORK

There has been no known previous work carried out on this specific area prior to the initial discovery by S.D. Craig in 1984. A Prospecting Report dated September, 1986 was filed on the G.C. #1 mineral claim.

### REGIONAL GEOLOGY

Muller (1969) shows the area south of Great Central Lake to be primarily Upper Triassic (and older) volcanic rocks of the Karmutsen Formation which consists mainly of pillow-basalt and pillow breccia, massive basalt flows with minor tuff volcanic breccia. These rocks are shown in various places as being intruded by the Middle to Upper Triassic Island Intrusions, described as being biotite-hornblende granodiorite and quartz diorite.

In the vicinity of the claims the Island Intrusions lie just to the northeast and northwest along the south shore of Great Central Lake. A north trending fault is shown on Mullers map to cut through the vicinity of the main showings. This structure does seem to exist and is evidenced in the field by the intense fracturing and alteration in this area.

PROSPECTING PROGRAM

Purpose: The primary purpose in prospecting G.C. #2 was to establish whether the system of alteration which is found to the west on G.C. #1 extends into G.C. #2. The other two objectives were to determine the general geology of the claim as well as to locate new showings and areas of alteration.

Results & Interpretation: Traverses up the east fork of the main creek which drains the property and along the bluffs above resulted in some interesting discoveries. An area of 'weakly' fractured volcanics was found in which the fractures have been flooded with quartz. There is little other alteration but disseminated chalcopyrite and pyrite was observed in two samples; G.C.-52 and G.C.-53. Epidote was also found with the quartz in a number of places which could indicate a close proximity to an intrusion. Although no major structures were found on the ground, it was noted that the major fractures seem to trend approximately 33° east of north. This would put the area roughly on strike with the 'Box Canyon' on G.C. #1, although there is little other evidence to tie the two areas together. Two other samples from this area, G.C.-54 and 55, were found to have chalcopyrite and pyrite. These were also fractured basalts with quartz and some calcite stringers.

Further south and about 700 meters east of the helicopter pad is a swift flowing stream which flows into the main creek. The outcrop here consists of fractured pillow basalts with numerous quartz



stringers. The main fractures appear to trend about 30° east of north. This is the same trend as noticed at sample G.C. -53.

Interesting float was found during another traverse up the east fork of the main creek. A number of large boulders of quartz/carbonate altered breccia were located. These are similar to outcrops discovered above the 'Box Canyon' showing on G.C. #1. Traces of pyrite were observed in three samples; G.C. -37, 38 and 39. Outcrops in this area were mainly massive basalts. Exposed outcrops in the creek bed had considerable quartz and calcite veining.

Traverses in the northern portion of the claim assisted in delineating the approximate contact of the intrusive with the volcanics. There is not a lot of outcrop in this area and thick second growth makes prospecting difficult.

#### CONCLUSIONS AND RECOMMENDATIONS

Information gathered during prospecting on G.C. #2, though not spectacular, did have some interesting aspects. The area of fracturing with quartz veining and disseminated chalcopryrite was concluded to be the most interesting. The orientation of the main fractures seems to put this area on strike with the 'Box Canyon' showing on G.C. #1. The presence of copper mineralization is also quite significant in that there is a copper/gold correlation at showings on G.C. #1. Further detailed prospecting is recommended for this area to determine the extent of mineralization and whether it is related to the occurrences to the west. A contour soil sample line below the outcrops would also be useful in defining the target. Sample spacing would be best at 20 meters.



The discovery of angular boulders of quartz/carbonate altered volcanic breccia in the east fork of the main streak was also interesting. This material is similar to outcrops found above the 'Box Canyon' showing. Although it is too early to connect the two areas the rocks are strikingly similar in appearance. Due to the angular nature of the boulders and that carbonates tend to break up more quickly as they work their way downstream, it is concluded that they have not traveled very far. It is recommended that more prospecting be carried out in this area to locate the source of the boulders.

No further work is recommended at this time in the vicinity of the north contact of the intrusives with the volcanics. Samples from this area will be analysed and if they turn out anomalous then more prospecting will be recommended .

It is also recommended that geochemical silt sampling be carried out at 100 meter intervals on all drainages. This exercise could assist in defining more areas of interest as well as establishing cut-offs to these areas.

Respectfully Submitted,

Ron Bilquist

Prospector

ROCK SAMPLES

Sample No.	Type	Description
G.C.-37	float	Qtz/Carb. alt. breccia; Py.
G.C.-38	float	Qtz/Carb. alt. breccia; Tr. Py.
G.C.-39	float	Angular Qtz. in volc.
G.C.-41	grab	Alt. volc.
G.C.-42	grab	Intrusive granodiorite
G.C.-43	float	Volc. breccia
G.C.-44	float	Basalt
G.C.-45	float	Volc. breccia
G.C.-51	grab	Dark green basalt
G.C.-52	float	Fractured basalt; qtz. veining, dissem. chalco.
G.C.-53	grab	Basalt with qtz. veing; chalco. & epidote
G.C.-54	float	Basalt; qtz. veining, Py. and Tr. Cu.
G.C.-55	grab	Basalt; qtz. veining, Py. and chalco.

R.J. Bilquist

December 1986

STATEMENT OF QUALIFICATIONS

1. I have worked in the mining exploration business for a period of 18 years employed by:
  - a. Stokes Exploration Management Company from 1969 to 1975 as field technician, party chief and prospector.
  - b. D.G. Leighton and Associates Ltd. from 1975 to 1981 as prospector.
  - c. Minequest Exploration Associates Ltd. 1982 to 1986 (intermittently) as a prospector.
2. I have written an exam to qualify for the prospectors assistance grants. This took place at the Department of Mines and Petroleum Resources office in Nanaimo in 1975, supervised by W.C. Robinson, P. Eng.
3. I, Ronald John Bilquist, prospector, hereby certify that the above is a true representation of my experience and education as a prospector, and submit the above as my statement of qualifications to the Department of Mines and Petroleum Resources of British Columbia.

Ron Bilquist,

Prospector

STATEMENT OF COSTS

G.C.#2

March 1986 to November 1986

## FEES AND WAGES:

L.O. Allen.....2 days prospecting @ \$125/day.....	\$250.00
R. Bilquist.....3½ days prospecting @ \$125/day.....	\$437.50
S.D. Craig.....2 days prospecting @ \$125/day.....	\$250.00
J. Drinkwater....2 days prosp. assist. @\$100/day.....	\$200.00

## DISBURSEMENTS:

Vehical Rental.....4 days truck @ \$50/day.....	\$200.00
Fuels & Lubridants.....	\$ 87.14
Meals & Accomodation.....	\$ 15.79
Equipment Rental....Boat & Mtr. 4 days @ \$25/day.....	\$100.00
Photocopies & Maps.....	\$ 3.75
Ferries & Boat Launch.....	\$ 19.10

Total

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 \$1563.28
 

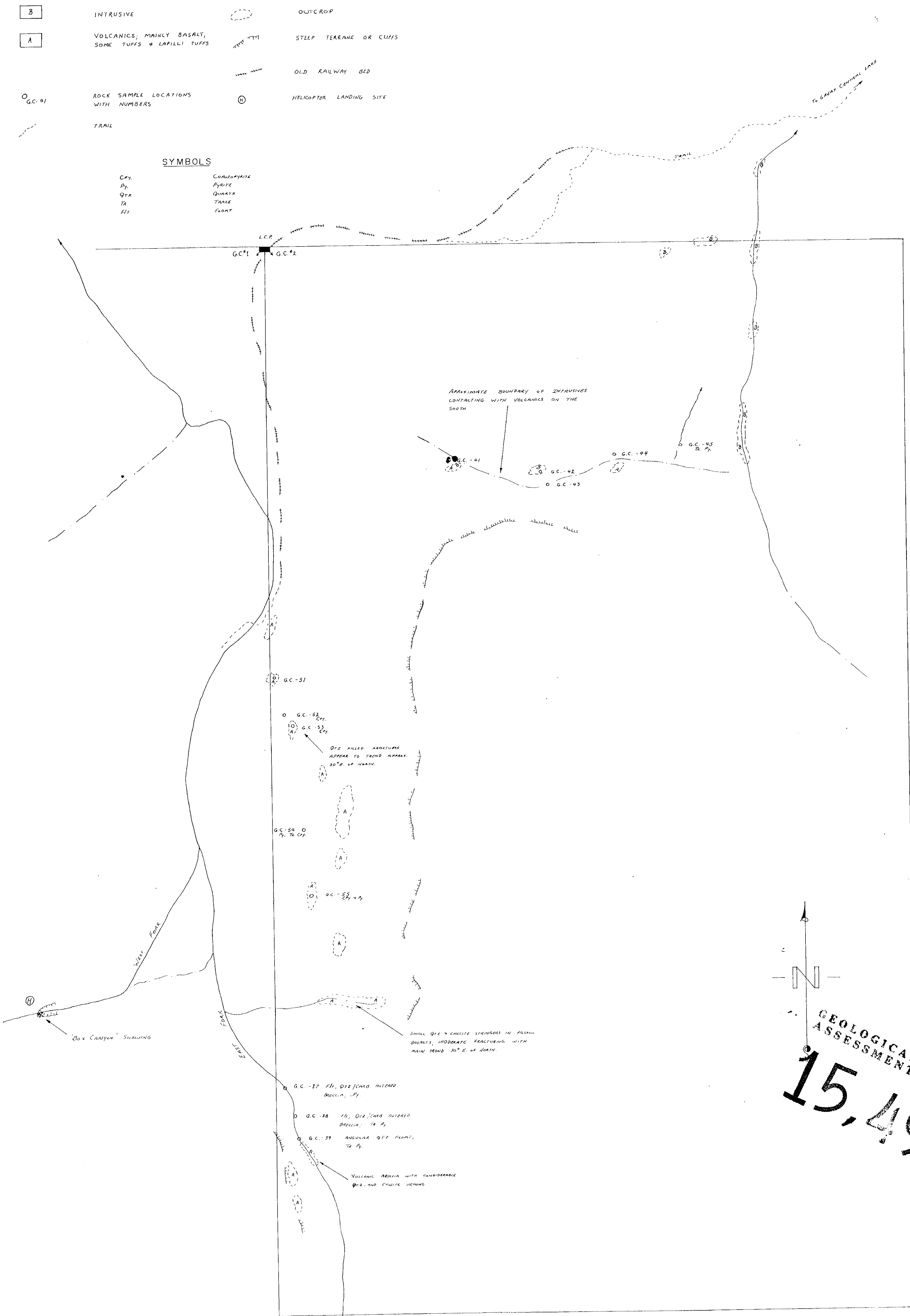
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LEGEND

- B INTRUSIVE
- A VOLCANICS, MAINLY BASALT, SOME TUFFS + LAPILLI TUFFS
- GC #1 ROCK SAMPLE LOCATIONS WITH NUMBERS
- TRAIL
- OUTCROP
- STEEP TERRACE OR CLIFFS
- OLD RAILWAY BED
- H HELICOPTER LANDING SITE

SYMBOLS

- CPY. CHALCOPYRITE
- Py. PYRITE
- QTZ. QUARTZ
- TR. TRACITE
- Flt. FLINT



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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,498

G.C. #2 CLAIM	
PROSPECTORS	
LOCATION MAP	
SCALE: 1: 5000	DATE: DEC. 1986

Drawn By: R. BIRDUST