6359

GEOLOGICAL REPORT

Hit 41 to Hit 46
Mineral Claims

Brandywine Area
Vancouver Mining Division

Owner - Doug Hall

Operator - Abaca Resource Industries Inc.

John McGoran BSc
July, 1977

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MAPS

MAP 1

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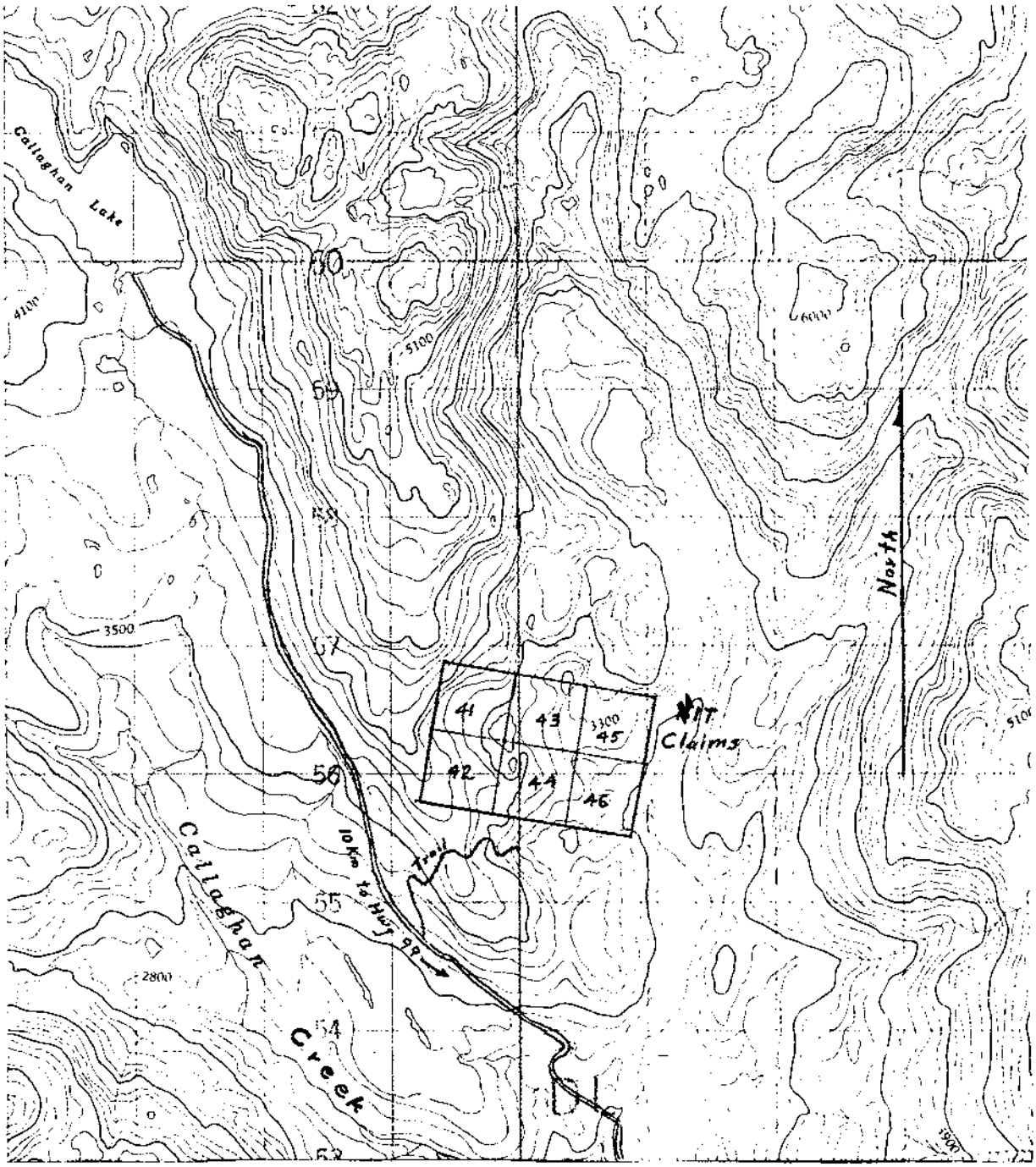
92 J 3

MIT CLAIMS



SCALE 1:50,000

1000 500 0 1000 2000 3000 4000 Metres

J.P. McGuan.
July 1977

ACCESS

Six miles west of Whistler, the Callaghan Lake and Northair Mine road heads north from highway 99. Six miles along the Callaghan Lake road a winding bulldozer trail, when followed 1½ km north east, takes one to within 500 metres of the south boundary of these claims.

GENERAL GEOLOGY

A geophysical and geochemical survey has been recorded as assessment work on the Hit claims in 1974.

Roddick, J.A. and Woodsworth, G.J. describe the rocks in this area in Geol. Surv. Can. paper 75-1 part A.

During part of July, 1976 D. Brown and M. Rutherford mapped a portion of these claims. From June 14 to June 20, 1977, the writer was assisted by M. Sanford, E. Outram and D. Giffen mapping the remainder of the Hit 41 to Hit 46 claims.

METAMORPHIC ROCKS

The oldest rocks are andesitic and dacitic to rhyodacitic flows and tuffs which have been metamorphosed to greenschist grade. These rocks have been partially altered to serecite and chlorite. To differentiate between andesite and dacite in the hand specimine, rocks with more chlorite than sericite have been called andesites, whereas those with more sericite than clorite have been classed as dacites. Near the contact of plutonic rocks either granitization or contact meamorphism has taken place.

The tuffs are water lain, well sorted in places with fragments up to 5 c.m. There is a three-fold elongation of clasts in the direction of foliation. Most flows have 5% to 25% feldspar phenocrysts.

No definite flow top or graded bedding was observed on these claims. Tops in the general area are to the east.

These rocks are cut by granite dykes quartz veins and recent volcanic dykes.

Minor pyrite was observed in all the metamorphic rocks.

GRANITIC ROCKS

The plutonic rocks are medium grained and vary from diorite to granodiorite. Near the gradational contact with the older volcanic rocks there appears to be assimilation of the volcanic rocks giving the plutonic rocks a darker and greenish appearance. These rocks are cut by dykes of recent volcanic rocks.

RECENT VOLCANIC ROCKS

Fine grained to porphyritic basalt to andesite of fresh appearance intrude both the older volcanic and plutonic rocks. These are probably part of the Garibaldi Group.

J. P. McGoran.

John McGoran BSc

QUALIFICATIONS

1. I graduated from Carleton University in 1972 with a BSc in Geology.

2. I spent twelve years prospecting for economic minerals prior to 1972.

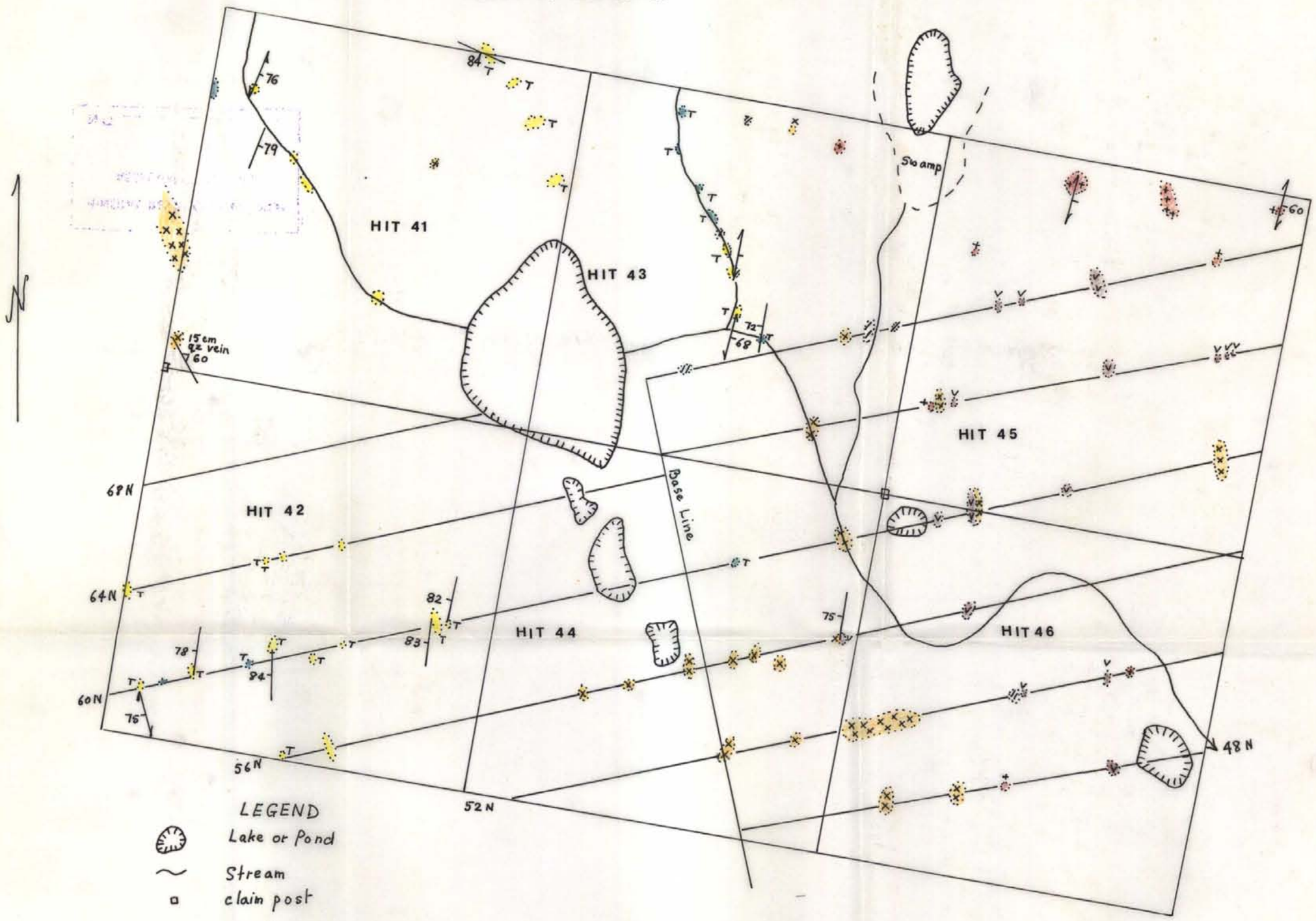
3. I have supervised four joint ventures which were financed by major mining companies.

4. I have practiced as a geologist for the past six years.

John McGoran BSc

MAP 2

GEOLOGY HIT 41—46



LEGEND

- Lake or Pond
- Stream
- claim post

Geology

- Garibaldi Group: basalt to andesite
- Coast Plutonic Rocks
- Diorite
- Quartz Diorite to Granodiorite
- Gambier Group
- Dacite to Rhyodacite (tuff)
- Andesite (tuff)
- Granitized volcanic rocks
- bedding or contact
- foliation
- vein
- outline of outcrop

SCALE

1 : 4800

Feet: 0, 400, 800, 1200, 1600

Metres: 0, 100, 200, 300, 400, 500

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To accompany Geology Report
Hit 41 to Hit 46 claims
July 1977

J. P. McGoran

John McGoran