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GEOLOGICAL, GEOCHEMICAL AND TRENCHING PROGRAM

on the

FIELD PROPERTY

Field 1-8 (YA95914-YA95921)

and Field 9-30 (YA96233-YA96254)

MT. FREEGOLD, YUKON

Whitehorse Mining District

NTS 115I-6

Latitude 62°14'; Longitude 137°57'

By

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

November, 1987

Work done between July 7 to September 12, 1987

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INTRODUCTION

The Field property was staked in August and September of 1986 by Freegold Venture, a project funded by Chevron Minerals Ltd. The property was positioned to cover the source of a gold/arsenic geochemical silt anomaly discovered by the Geological Survey of Canada (GSC). In April 1987, the property was optioned to Big Creek Resources Ltd. (formerly Nordac Mining Corporation) on behalf of Big Creek Joint Venture (BCJV) which consists of Big Creek Resources (66.7%) and Rexford Minerals Ltd. (33.3%). The 1987 program was managed by Archer, Cathro & Associates (1981) Limited with C.A. Main as Project Manager. Field personnel included J.L. Duke, F. Andersen and G. MacIntosh.

PROPERTY, LOCATION AND ACCESS

The Field property consists of thirty contiguous claims registered in the name of Archer, Cathro & Associates (1981) Limited with the Whitehorse Mining Recorder as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Field 1-8	YA95914-YA95921	February 15, 1989
Field 9-30	YA96233-YA96254	February 15, 1989

The claims are located 40 km northwest of Carmacks on NTS map sheet 115I-2 at latitude 62°14' and longitude 137°57'. Direct road access is available across the property using a poorly maintained road branching off the Freegold Road which is maintained by the Yukon Territorial Government.

PHYSIOGRAPHY AND GEOMORPHOLOGY

The property lies between 1,050 and 1,300 m above sea level on a ridge from which small creeks drain south to Seymour Creek and north to Stoddart Creek. Relief is subdued with little outcrop other than at ridge crests. The south-facing slope is vegetated with spruce and poplar while the north facing slopes are thickly covered with moss, buckbrush and stunted fir trees.

GEOLOGY

The property is underlain by the Triassic Granite Mountain Batholith which consists of foliated hornblende-biotite granodiorite. Although Paleozoic(?) Yukon Group biotite-quartz-feldspar schists and feldspar augen gneiss with minor marble and quartzite are mapped just off the property to the south, none of these rocks were seen on the property. The property is located immediately north of the junction between the Big Creek and Miller Creek Faults. A recessive linear depression occurs at the head of the drainage which produced the anomalous GSC sample. This linear was bulldozer trenched but the exposed bedrock was fresh with no indication of alteration.

MINERALIZATION

There is no record of mineralization found on the property and none was found by this survey.

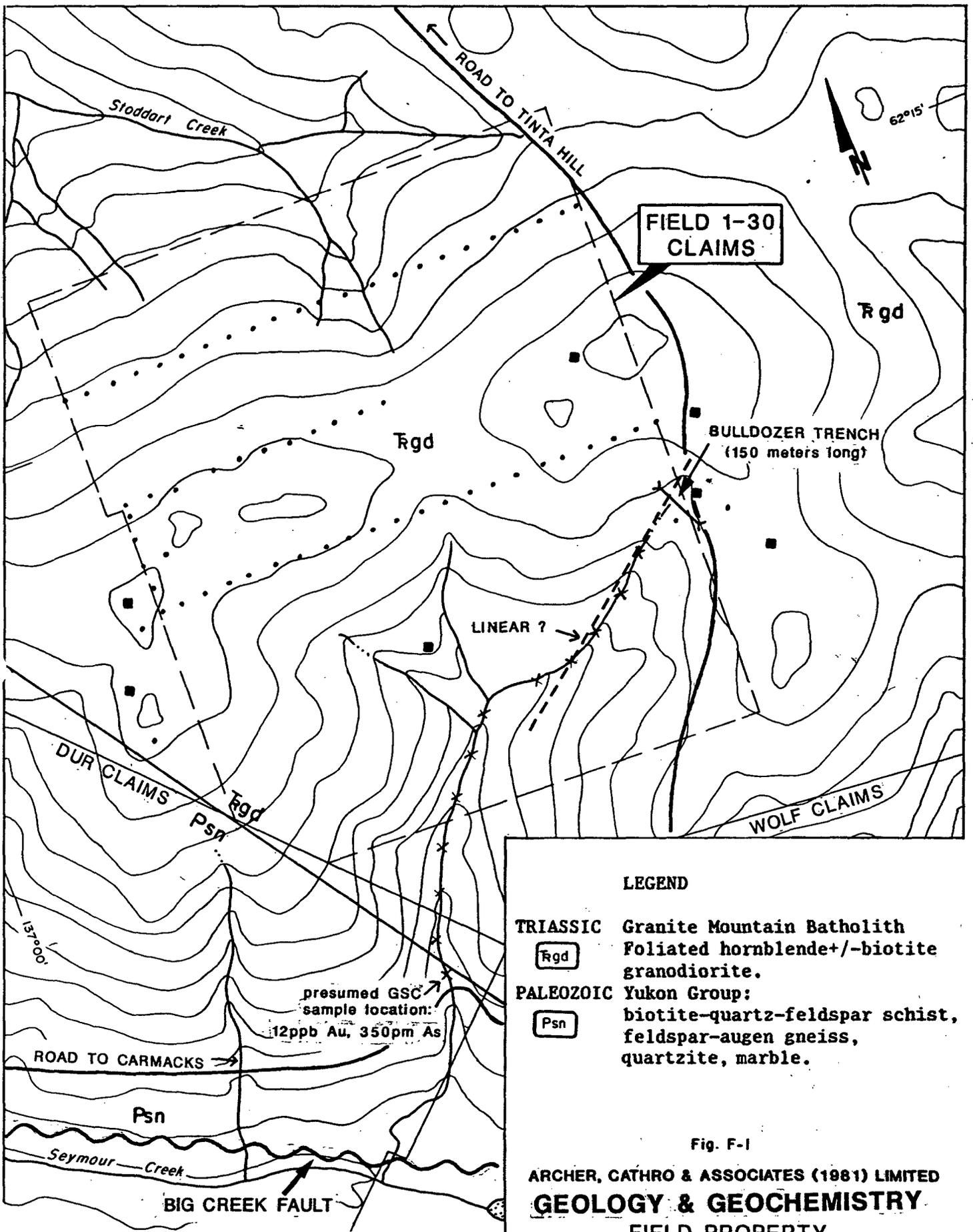
GEOCHEMISTRY

The GSC silt sample taken from the mouth of the main stream which drains south across the Field property returned weakly anomalous gold values (12 ppb Au from two separate analyses) and intensely anomalous arsenic (350 ppm As) - GSC Open File 1220. Twelve silt samples were taken along the anomalous drainage, including a sample from the supposed GSC sample site, as shown on Figure F-1 on the following page. The assays for these samples were all < 5 ppb Au. Sixty-three soil samples were taken at 100 m intervals along prospecting and geological traverses which crossed the property and the assays for these samples were also < 5 ppb Au.

All geochemical samples were collected in numbered kraft bags and analyzed for gold at Chemex Labs Ltd., North Vancouver, B.C. by fire assay followed by atomic absorption measurement for gold content. The samples were not analyzed for any other metal.

TRENCHING

A 150 m long trench was cut by bulldozer to expose a linear depression at the head of the anomalous creek. The bedrock exposed was fresh granodiorite and there was no indication of a vein.



LEGEND

- TRIASSIC** Granite Mountain Batholith
 Foliated hornblende+/-biotite
 granodiorite.
- PALEOZOIC** Yukon Group:
 biotite-quartz-feldspar schist,
 feldspar-augen gneiss,
 quartzite, marble.

Fig. F-1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GEOLOGY & GEOCHEMISTRY
 FIELD PROPERTY

1151/2,7
 BIG CREEK JOINT VENTURE
 1:20,000
 0 200 400 600 800 1000 m

- Soil sample site
 - x Silt sample site
 - Rock sample site
- All samples contained <5ppb gold

DISCUSSION AND CONCLUSIONS

The Field property was staked to cover the apparent up-drainage source of a gold/arsenic silt anomaly discovered during a regional survey conducted by the GSC. Resampling of silt from the anomalous drainage was unsuccessful in reproducing the anomaly. Prospecting, geological and soil sampling surveys which crossed the property were unsuccessful in locating any indications of gold mineralization. A bulldozer trench that was cut to explore a linear depression, which may have indicated a vein, was unsuccessful in locating such a structure.

This property does not warrant any further work.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



C.A. Main, B.Sc.

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APPENDIX I
AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Charles A. Main, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1971 with a B.Sc. majoring in Geological Sciences and Chemistry.
2. I have been actively engaged as a geologist in mineral exploration since 1971 and as a partner of Archer, Cathro & Associates (1981) Limited since June 1, 1981.
3. I have personally participated in or supervised the field work reported herein.



Charles A. Main, B.Sc.