

THE KING CLAIM GROUP

104 T-4
King Claims
Acc B. Parker Dease Lake

812293

GEOPHYSICAL REPORT

on the

KING CLAIM GROUP

Liard N. D., B. C.

Longitude: 125°55'W

Latitude: 58°10'N

BY

Acc B. Parker & Associates

Mineral Industry Consultants & Contractors
Whitehorse, Yukon.

Work Performed

between

March 1, 1968

and

March 3, 1968

TABLE OF CONTENTS

<u>Item</u>	<u>Page</u>
INTRODUCTION	1
SUMMARY	2
PROPERTY, LOCATION & ACCESS	3
DISCUSSION OF THE SURVEYS:	4
1. Purpose	4
2. Geomorphic Condition	3
3. Control of the Survey	4 - 5
INTERPRETATION OF RESULTS	6
CONCLUSIONS & RECOMMENDATIONS	7
PERSONNEL EMPLOYED ON THE PROJECT	8
COSTS	9
AFFIDAVIT OF COST	10
CERTIFICATE	11
ATTACHMENTS (Maps)	
1. Map showing Location of Survey Area.	
2. A Reconnaissance Magnetic Survey of the KING CLAIM GROUP	

INTRODUCTION

This report outlines geophysical work conducted to date on the KING CLAIN GROUP situated in the Gnat Lake area of northern British Columbia.

The geophysical work discussed in this report was conducted by the management and staff of Ace R. Parker & Associates, Mineral Industry Consultants and Contractors, Whitehorse, Yukon Territory, at the request of E. Asp, current owner of the property.

The geophysical work is summarized in this report and is presented as assessment work in compliance with the British Columbia Mineral Act.

THE KING CLAIN GROUP

Geo R. Parker

SUMMARY

This report outlines the methods, results, and costs of a preliminary ground magnetic geophysical survey conducted during March 1963, on the KING CLAIN GROUP in the Liard Mining Division of northern British Columbia.

Sixteen and four-tenths (16.4) line-miles of survey were completed under winter conditions, utilizing an MF-1 Magnetometer run over hand-cut grid lines spaced at 200 foot intervals, and survey stations located at 200 foot intervals along these grid lines.

The results of said survey are shown on the attached map and indicate a probable "contact environment" between volcanic and granitic rocks, cut by several strong faults.

Additional geologic and geophysical studies are definitely recommended when considering the results of the survey, and the property's close proximity to the recent discoveries of Lytton Minerals in the immediate area.

PROPERTY, LOCATION & ACCESS

The KING CLAY GROUP consists of 26 contiguous and granted mineral claims. ^{A PER?}

These claims are located along a small tributary of Gnat Creek in the Gnat Lake - Dease Lake area, a section of the Lizard Mining Division in northern British Columbia. (125°55'W Long., 58°10' N Lat.). The survey area is located principally on the KING #65, 66, 67 and 68 mineral claims, approximately 3 1/2 miles west of the Cassiar - Stewart Highway, at a point approximately 14 miles south of Dease Lake along the Cassiar - Stewart Highway.

A foot trail approximately 3 1/2 miles long links the property to the Cassiar - Stewart Highway and currently provides the only ground access to the property.

A dogteam transported personnel and supplies to the property during the survey, utilizing the above-mentioned trail.

DISCUSSION OF THE SURVEYS

1 - PURPOSE:

The purpose of the survey was to provide preliminary geophysical exploration of the KING CLAIN GROUP.

2 - GEOMORPHIC CONDITIONS:

The property consists of a block of upland-plateau topography on the east flank of Thenatledi Mountain and covers an area varying from 4,500 to 5,000 feet elevation.

The survey area is vegetated with a modest assemblage of spruce trees of various sizes; and minor "buck" brush.

Local topography suggests the presence of several strong faults within the immediate area. Overburden is of an unknown depth, but is believed to be very shallow in nature.

3 - CONTROL OF THE SURVEY:

A grid, cut by hand methods and shown on the attached map, was used to control the survey. Said grid has a base line 6,000 feet long and 80,600 feet of cross-line spaced at 200 foot intervals along the base line. All lines were cut by E. Asp and Associates.

Magnetic readings were taken at 200 foot intervals along the

DISCUSSION OF THE SURVEYS (continued)

3 - CONTROL OF THE SURVEY: (continued)

cross-lines and diurnal magnetic control stations were established along the baseline.

INTERPRETATION OF RESULTS

The attached map shows the results of the survey and indicates a local magnetic relief of approximately 4,500 gammas in addition to several distinct magnetic depressions.

The survey suggests the presence of a geologic contact between granitic and volcanic rocks and also appears to indicate several fault zones. It is impossible to make a reliable interpretation of the survey until more is known of the local geology, as the ground was covered by four to five feet of snow at the time the survey was conducted, and no supplementary local geologic records were available.

CONCLUSIONS & RECOMMENDATIONS

Possible mineralization in the survey area may be expected within and along the contact of the volcanic rocks with the local granitic intrusion. The magnetic depressions outlined by the survey are of particular importance, since they may possibly indicate the presence of mineralization controlled by faulting.

Due to the magnetic relief of the property and its apparent geologic environment, in conjunction with its adjacent location to the recent discoveries made by Lytton Minerals, a precise correlation should be made with local geology to determine the significance of the results. Only after said correlation has been carried out will it be known if, and what type of, additional exploration is justified to assess the economic potential of the property.

THE KING CLAIN GROUP

Acc R. Parker

PERSONNEL EMPLOYED ON THE PROJECT
(Direct Geophysical Survey Personnel)

<u>NAME</u>	<u>OCCUPATION</u>	<u>FIXED ADDRESS</u>
A. R. Parker	Consulting Engineer	Whitehorse, Yukon
H. Fox	Senior Geophysist	Whitehorse, Yukon
R. Peterson	Draftsman	Whitehorse, Yukon