

810399

92-L

A REPORT ON THE  
"G.K.S." claim group  
NORTHERN VANCOUVER ISLAND  
NANAIMO MINING DIVISION

Stokes Exploration Management Co.  
Jan 12/70 L.L. Storey, Geologist

A REPORT ON THE  
'G.K.S.' CLAIM GROUP  
NORTHERN VANCOUVER ISLAND  
NANAIMO MINING DIVISION

Lat. 50°25'N

Long. 127°38'W

by

L. L. STOREY  
Geologist

STOKES EXPLORATION MANAGEMENT CO. LTD.

January 12, 1970.

## INTRODUCTION

This is a report recommending the acquisition, by staking, of a property located in the Port Hardy area, Vancouver Island. The property, known as 'G.K.S. GROUP', consists of 19 mineral claims. An outline is given of general setting of this property and an exploration program is proposed.

## LOCATION AND ACCESS

The 'G.K.S.' property is located near the headwaters of Kloutchlimmis (Ingersoll) Creek, Northern Vancouver Island. The claims are about five miles south of Quatsino Sound, where elevations range between about 500 and 1500 feet above sea level. Geographically, the property is situated at latitude  $50^{\circ}25'N$  and longitude  $127^{\circ}38'W$ .

The claims area may be reached either by helicopter, based in Port Hardy, 25 miles to the northeast, or via an old trail which follows Kloutchlimmis Creek from tidewater.

## CLAIMS AND OWNERSHIP

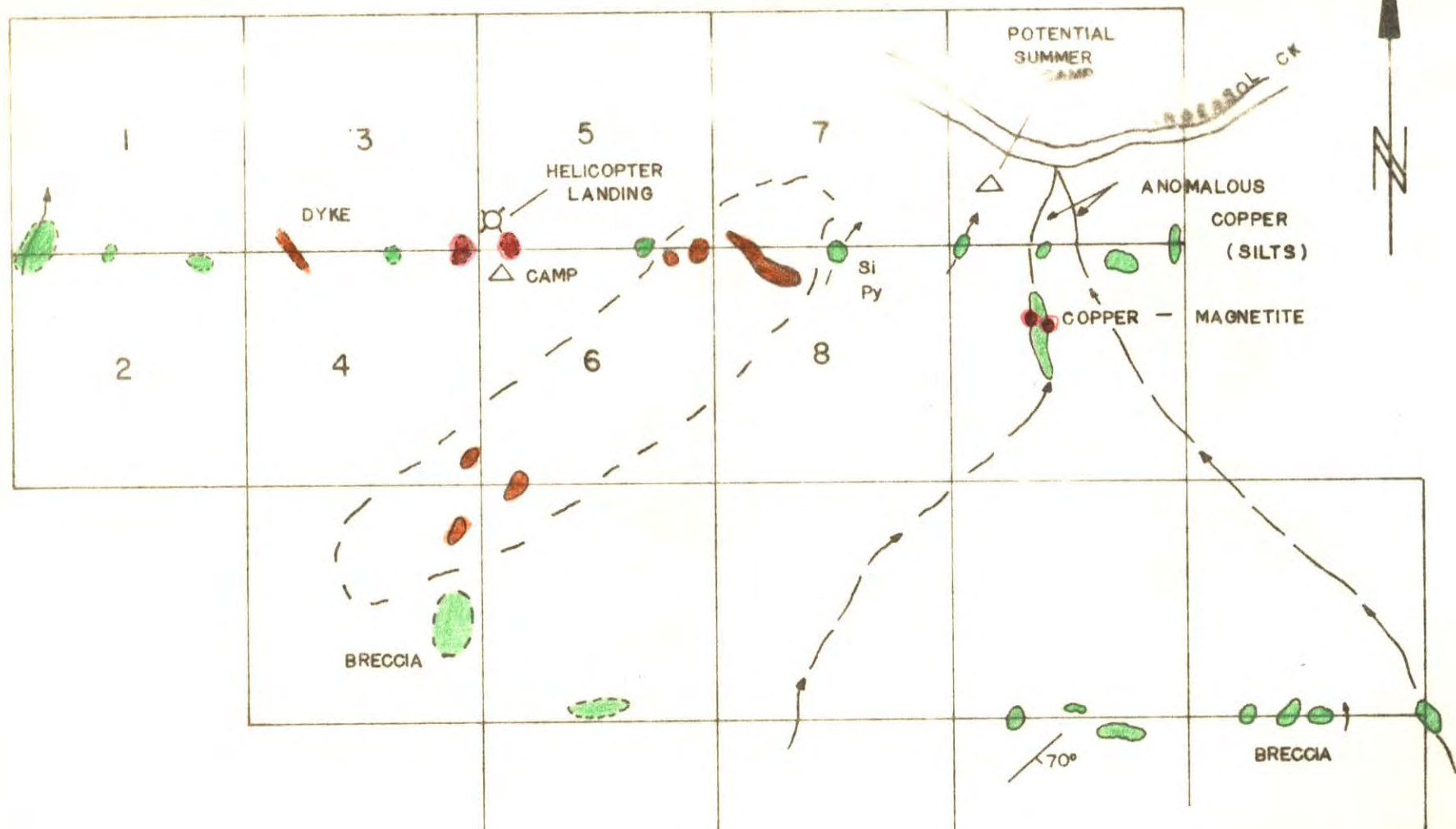
The 'G.K.S.' claims were staked by Spartan Explorations Ltd. in July and August of 1968. The 19 claims comprising the 'G.K.S. GROUP' were allowed to lapse the following year.

## GENERAL GEOLOGY

The project area is underlain by Triassic age Bonanza subgroup volcanic and related rocks. A small intrusive stock was noted on the property, which is probably quartz-monzonite in composition. The stock (see accompanying geological sketch map) is elongate in outline with a northeast-southwest trend. Overburden in the area is extensive and outcrops are rare.

Magnetite showings covered by the claims have been known for many years. These showings are described in Iron Ores of Canada, Volume I, G.S.C. - Economic Geology Series #3, 1926, p. 236. The magnetite described is located near the Initial Posts of G.K.S. #5 and #6.

Anomalous copper values in silts suggest the possibility of a pyrometasimatic type copper deposit.



- VOLCANICS
- INTRUSIVE
- MAGNETITE
- AREA OF OUTCROP
- CONTACT ASSUMED

<b>G.K.S. GROUP</b> N. VANCOUVER ISLAND		
<b>GEOLOGY,</b>		
SCALE 1" = 1000'	DATE 10 JAN 70	DRAWN BY SEMCO

## RECOMMENDATIONS

The writer recommends that the 'G.K.S. GROUP' be restaked and the following two-stage program be undertaken to evaluate the area:-

### Staking

1. Restake the original G.K.S. 1-19 mineral claims.

### Stage I

1. Soil sample the entire claim group for copper on lines spaced 400 feet apart and with sample interval of 100 feet.
2. Using a Sharpe MF-1 magnetometer or equivalent instrument perform a magnetometer survey of the entire property on the 400 foot spaced lines with readings at 500 foot intervals. This survey should be useful in establishing the position of intrusive contacts, magnetite-bearing skarn zones and possibly other structures.

### Stage II

If the geochemical and geophysical surveys give sufficient encouragement a second stage should be undertaken.

As the probable target will be relatively small and readily defined an initial allowance of 2,000 feet of diamond-drilling (AQ wireline) is suggested. The location and depth of the holes should be determined on the basis of the results of Stage I.

'G.K.S.' BUDGET

Staking

Wages: 2 men - 7 days (winter)	\$ 700
Radio Rental	30
Camp and Food	120
Mobilization and Demobilization - (including helicopter)	400
Supervision	100
Recording Fees	<u>100</u>
	\$ 1,450
	<u>145</u>
Contingencies @ 10%	
Staking - Total	\$ 1,595

Stage I

25 miles of line (chiefly ribboned)	\$
Soil sampling & magnetometer survey	
All contemporaneous	2,800
3 men - 25 days	250
Magnetometer Rental	250
Radio Rental	1,200
Soil Sample Analysis	2,200
Transportation	800
Camp and Food	400
Mobilization and Demobilization	800
Supervision (intermittent)	900
Engineering, etc.	<u>900</u>
	\$ 9,600
	<u>960</u>
Contingencies @ 10%	
Stage I - Total	\$10,560

(Continued)

IG.K.S. BUDGET (Cont'd)Stage II

Diamond drilling 2,000 feet AQ @ \$12/foot	\$24,000
Transportation and Radio	3,400
Geology and Supervision	2,500
Camp and Food	1,800
Mobilization and Demobilization	1,800
Engineering, Assaying, etc.	<u>3,200</u>
	\$36,700
Contingencies @ 10%	<u>3,700</u>
Stage II - Total	\$40,000
 TOTAL - 'IG.K.S.' BUDGET	 <u>\$52,555</u>

Respectfully submitted,

STOKES EXPLORATION  
MANAGEMENT CO. LTD.

L. L. Storey, Geologist.

January 12, 1970.