GEOCHEMICAL REPORT ON A GEOLOGICAL SURVEY

OF THE

SOUP GROUP

OMINECA MINING DIVISION

N.T.S. 94D/8E

56°28'N 126°05'W

OWNER: MRS. ELIZABETH WHITE (et al)

OPERATOR: VITAL RESOURCES LTD.

T. RODGERS, P. ENG.
OCTOBER 1981

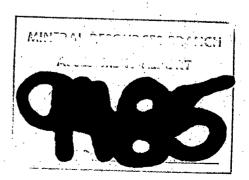


TABLE OF CONTENTS

Introduction	Page	1
Technical Data and Interpretation	Page	3
Costs	Page	5
Certificate of Qualification	Page	6
Rock-chip analyses	Page	7
Analytical Report	Page	8
Index Map (Plan #1)	Page	9 .
Location Map (Plan #2)	Page	10
Geochemical Map (Plan #3)	In Po	cket

INTRODUCTION

(i) The Soup Group consists of the Soup claims (1-10 inc). It was staken by Mssrs. White and McTaggart in 1964; the claims have been kept in good standing since that time. Various companies have examined the property from time to time. Vital Resources Ltd. optioned the property this year and caused to be performed the work described herein.

McTaggart, in his report dated 2nd August, 1965 noted that "on the Soup claims.....oure magnetite rich skarn beds that conform to the stratification of Upper Triassic volcanic rocks. The beds range from 10 to 100 feet thick and at least one appears to have a strike length of at least 8000 feet In addition to iron the deposits evidently contain some copper and gold in unknown amounts. In their present undeveloped and intensely oxidized state the mineralized outcrops are unsuited to significant sampling."

Vital's work was intended to add to the knowledge of the geochemistry of the skarn rocks and to determine the more promising sections for further work.

(ii) The Soup claims are situated on the east side of Kliyul Creek some 15 km. south-south-east of Johannson Lake. The valley containing Kliynl Creek is steep-ly incised so that the surface on the property slopes at an average of 30 degrees to the south west. It is above tree-line and much is covered by talus.

The property can be reached via Aiken Lake or Johannsson Lake, both of which are along the road from Fort St. James. A helicopter is advisable for the last stage from the road.

(iii) One hundred and thirteen rock-chip samples were analysed and a further eighty two soil samples were collected and analysed.

A baseline of approximately three kilometres was laid out and picketted at 25m intervals.

The work was done on Soup 1, 3, 5, 7 and 9.

TECHNICAL DATA AND INTERPRETATION

(i) Tungsten content of skarn rocks.

B.P. Minerals Ltd. in an earlier program chipsampled eleven lines which crossed the strike of the magnetite-skarn formation. These lines were spaced irregularly along the length of the claim group; their exact position being determined by accessibility and available outcrop. Representative fractions of the sampled material were held in storage by the assayer.

With B.P. Minerals' permission, Vital Resources requested that some of these samples be analysed for tungsten. This work was done by Vangeschem Lab Ltd., whose certificates form part of this report. The sample numbers are those allocated by B.P. Minerals and plotted on the plan accompanying their report (q.v.).

The analyses show that the magnetite skarn and its containing wall rocks are almost devoid of tungsten, only three samples containing even 10 p.p.m.

(ii) Orientation survey.

As a basis for future work and to determine the most promising areas along strike, a baseline was established approximately parallel to and 200m downhill from the skarn formation.

Where possible large (500 gm) samples of soil were taken from the B1 horizon at 25 m intervals. The

The samples were analysed for Copper, Cobalt, Silver and Gold by Min En Labs of North Vancouver using methods listed on their analytical report (p 8).

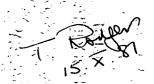
The sampling and line work was done under contract by Amex Exploration Services Ltd., of Kamloops, under the direction of the writer and took five man days. They dug holes to a depth of at least one foot using mattocks. Soil was taken from the Bl horizon and placed in metal free kraft bags.

The skarn is known to contain sporadic copper and gold. The analyses for these metals reflect this fact and most are anomalous ccompared with regional background values. However taking contiguous samples containing in excess of 100 p.p.b. Au or 1000 p.p.m. Cu as being of special significance, three sections of the skarn warrant detailed investigation.

Silver and cobalt analyses show that these metals are not present in significant amounts.

COSTS

Sample collection (including	camp cost	and		
road mobilisation)			\$	988.68*
Rock chip analyses				423.75
Soil analyses				881.50
Helicopter access				,001.20**
Report preparation			· <u> </u>	200.00
	·		\$ 3	,495.13



- * This work was done as part of a larger job based on the nearby Klisum Group.
- ** Includes pro-rated proportion of mobilisation costs to and from main camp to road access.

CERTIFICATE OF QUALIFICATION

I, Terence Rodgers of Suite 1900 - 355 Burrard Street, Vancouver, B.C. V6C 2J3 certify that:

- (i) I am a professional geologist and a practising Professional Engineer in the Province of British Columbia.
- (ii) The report contained herein describes work done under my direction and/or supervision.



T. Rodgers, Ph. D., P. Eng.

Vancouver, B.C.

October 15th, 1981



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA V7P 2S3

TELEPHONE: 986-5211

AREA CODE: 604

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Vital Mines Ltd. 1900 - 355 Burrard St

Vancouver, B.C.

V6C 2J3

Attention:

Report No:

81 01 002

Specialising in Trace Elements Analyses ●

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Samples Arrived: BP file

Report Completed: Feb. 3, 1981

For Project:

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Invoice# 6044 Job# 81 011

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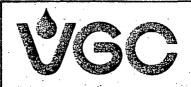
. 1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million-

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA V7P 2S3

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Certificate of Geochemical Analyses

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Vital Mines Ltd.

Attention:

Report No: 81 01 002 Page 2 of 3

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REMARKS:

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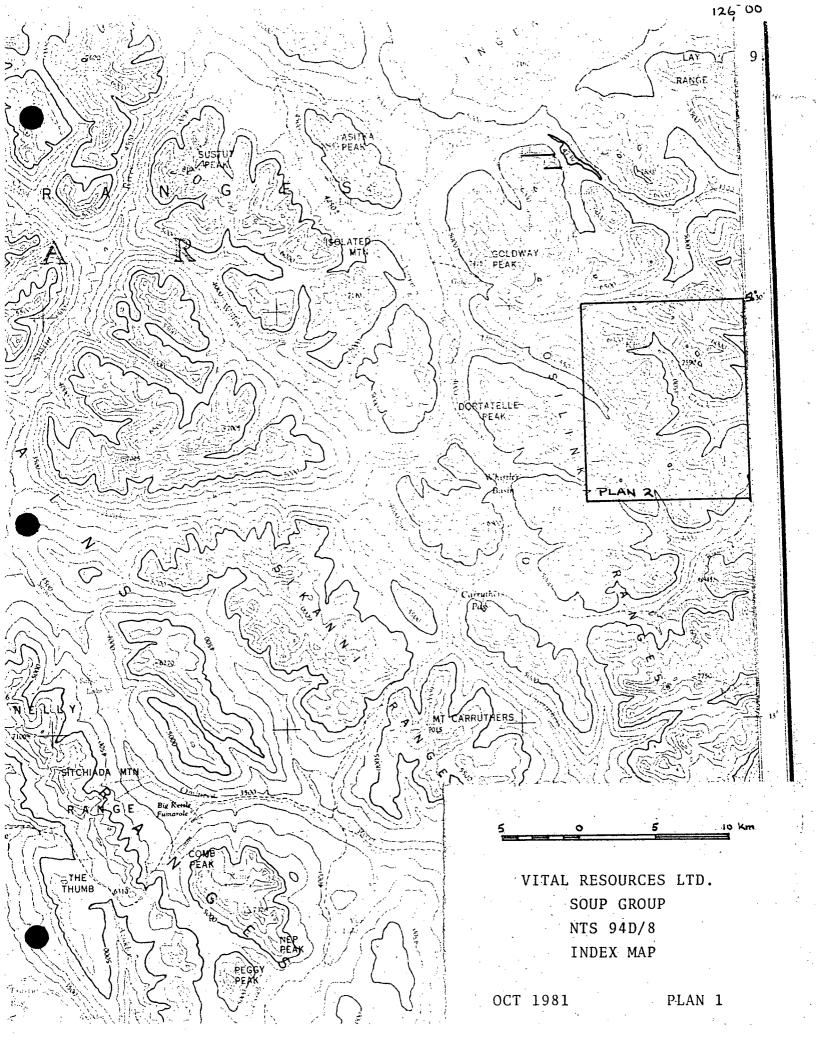
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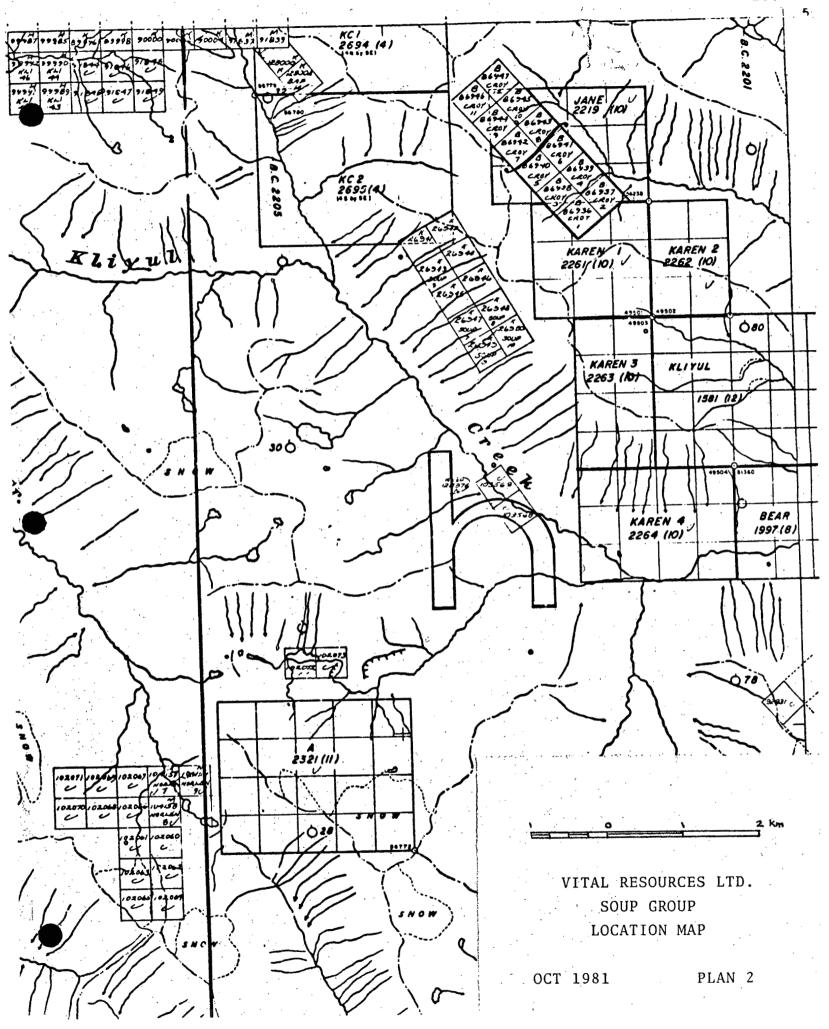
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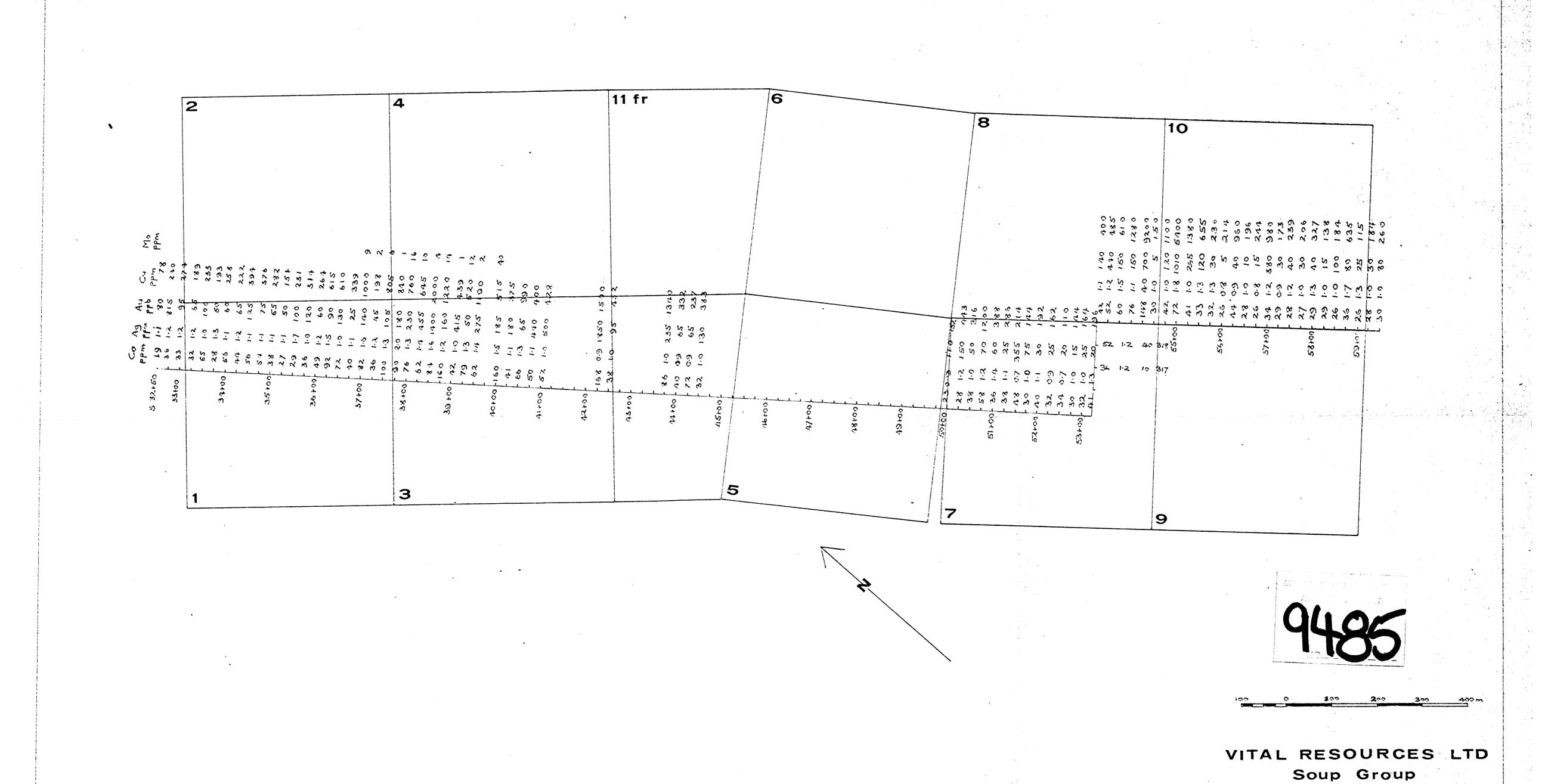
705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

File No	1-636	Date	samples received	Aug.5/81.
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Company:	Vital Min	ies		
Report on:		82 soils		Geochem samples
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Geochemistry

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Oct.'81