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RANGER MINERAL CLAIMS

MIDWAY, B.C. AREA

82 E / 2 W

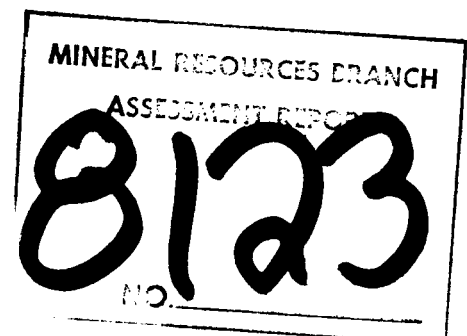
GEOCHEMICAL REPORT

MAY 1980

V. CUKOR, P. ENG

NVC ENGINEERING LIMITED

Vancouver, B.C.



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RANGER MINERAL CLAIMS

MIDWAY, B.C. AREA

1. INTRODUCTION

A geochemical soil survey was conducted over a part of the RANGER CLAIMS at the request of H. Vannerus, Burnaby, B.C.

The survey was conducted by the author, accompanied by G. Kachuk, prospector.

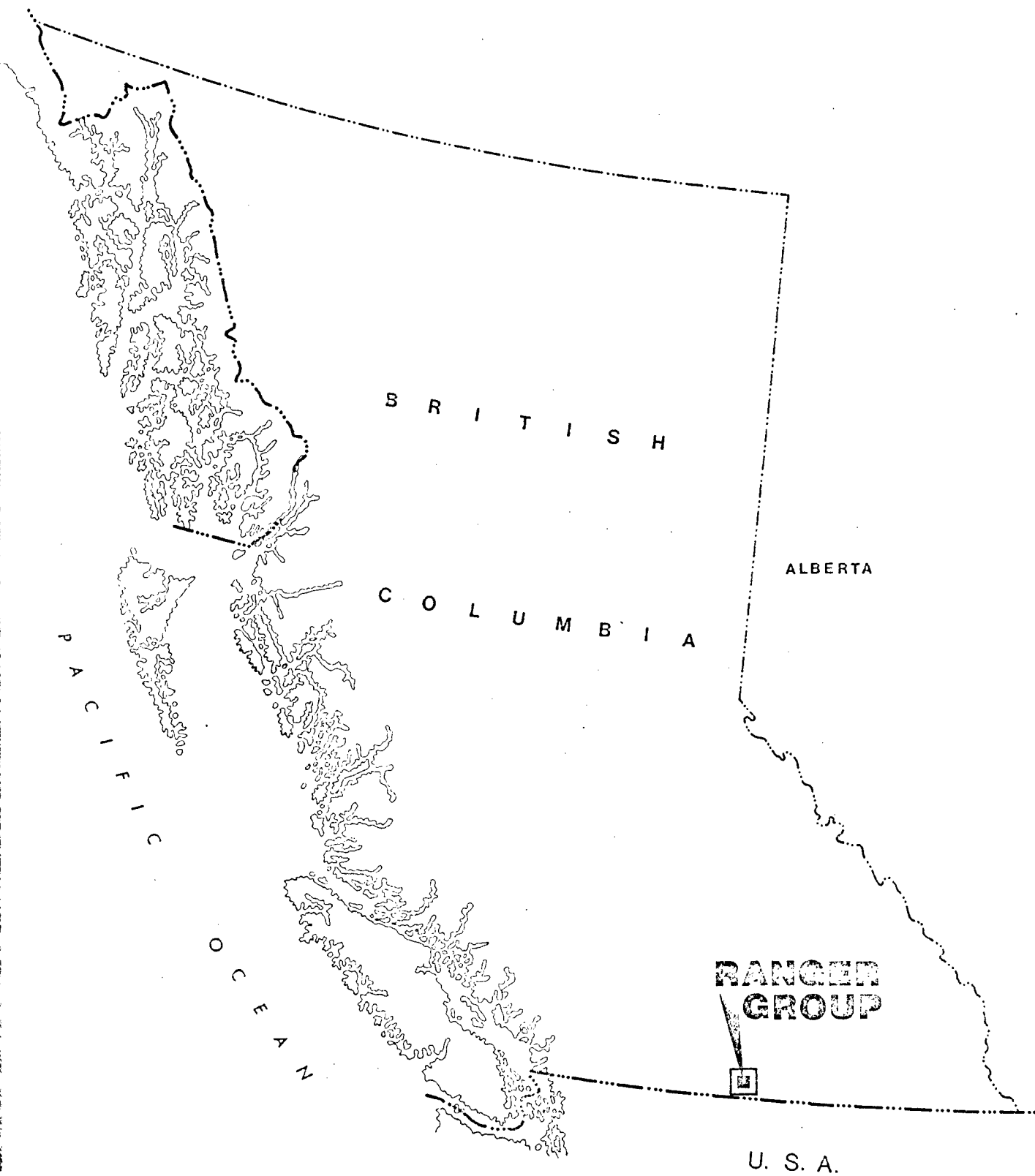
A total of two days was spent in the field in grid surveying and collecting samples which were processed by General Testing Laboratories, Vancouver, B.C.


2. SUMMARY, CONCLUSION, RECOMMENDATIONS

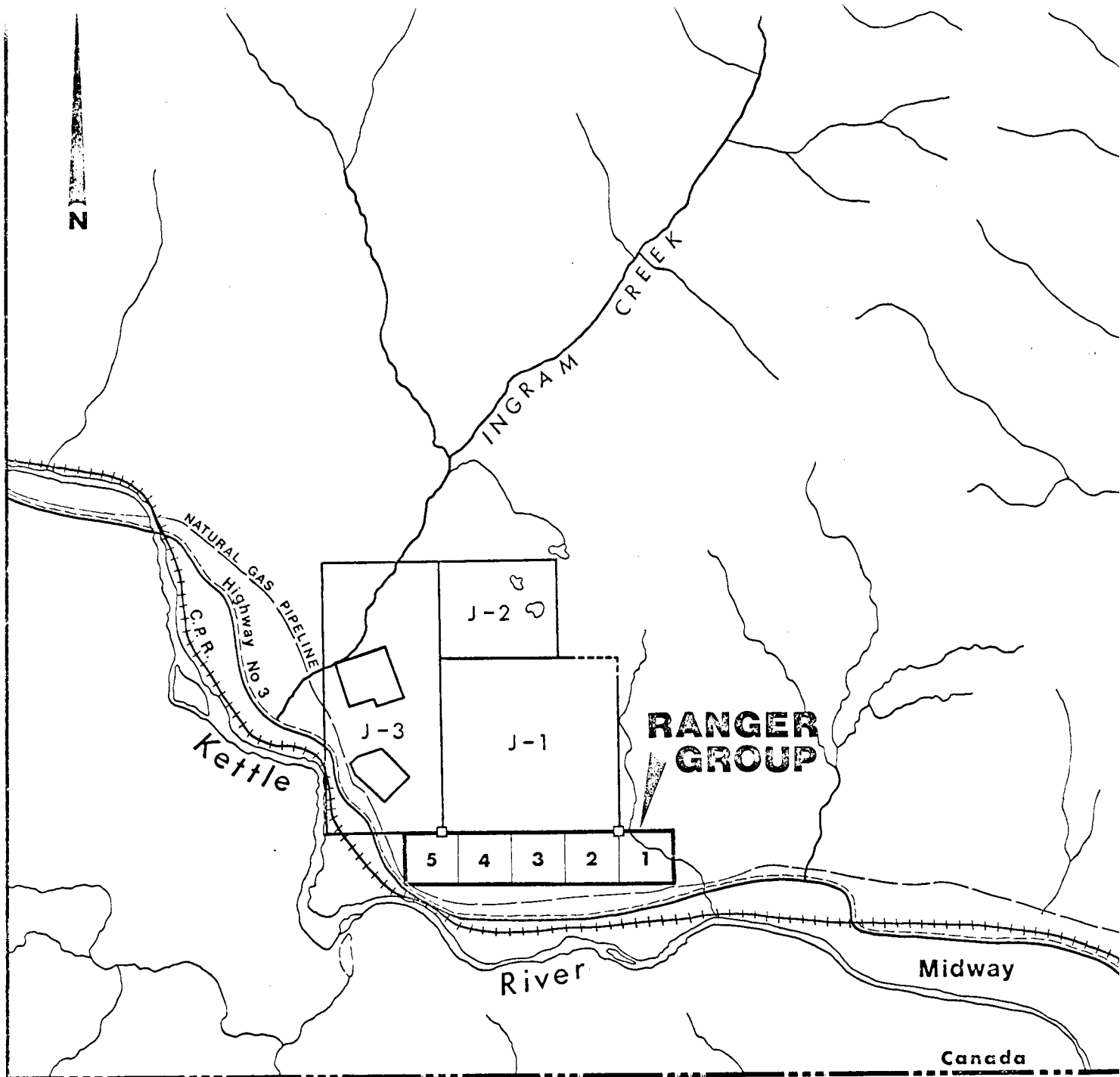
The RANGER CLAIMS flank the south side of the J Claims belonging to Maymac Explorations Ltd., which claims cover a number of copper silver showings.

No visible mineralization was found in the scarce outcrops and copper-silver geochemical values were uniformly low over the entire grid area. However, a number of very interesting gold results were obtained. These justify the recommendation of further exploratory follow-up work.

The geochemical soil sampling should be extended over the entire claim area wherever suitable soil conditions exist. This should be followed by geophysical surveys, probably EM-16 and magnetic surveys. Any anomalous areas should be diamond drill tested.



<b>RANGER GROUP</b>		
<b>LOCATION MAP</b>		
GREENWOOD M.D., B.C.		82 E / 2W
V. UKOR, P. Eng. - NVC ENGINEERING - VANCOUVER, B.C.		
DATE: MAY 1980	SCALE: 0  100 Miles	FIG. 1



**RANGER GROUP**

**CLAIM LOCATION**

GREENWOOD M.D., B.C.

82 E / 2W

V.CUKOR, P.Eng, - NVC ENGINEERING - VANCOUVER, B.C.

DATE: MAY 1980

SCALE: 0  1 km

FIG. 2

3. PROPERTY, LOCATION, ACCESS

The property consists of five contiguous mineral claims located on the two post system. The claim names, record numbers and anniversary dates are as follows:

<u>Claim</u>	<u>Record No.</u>	<u>Anniversary Date</u>
Ranger 1 - 5	1177 - 1181	June 23

The claims are located immediately north of Hwy #3 opposite the sawmill in the community of Midway, B.C. The property is on NTS Sheet 82E/2W at approximately north latitude  $49^{\circ}$  and west longitude  $118^{\circ}50'$  at an elevation of approximately 2,000 to 2200 ft. above sea level and occupies a south facing slop. Topography is locally rugged and locally the claims cover a gently sloping grass covered hillside.

The Ranger Claims are accessible by Hwy #3. A natural gas pipeline runs along the southern part of the claims and the Canadian Pacific Rly. is located between the Kettle River and the highway immediately south of the property.

4. GEOLOGY

The sediments of the Mesozoic Anarchist group, covered partially by the younger, tertiary Kettle River sediments and volcanic flows underlay the claim area. These are criss-crossed by the felsic dykes. However, most of the area is covered by a light overburden cover and soil outcrops are exposed for examination along the steep bluffs.

No sulfide mineralization of any kind, except for some pyrite was found so far on the claims.

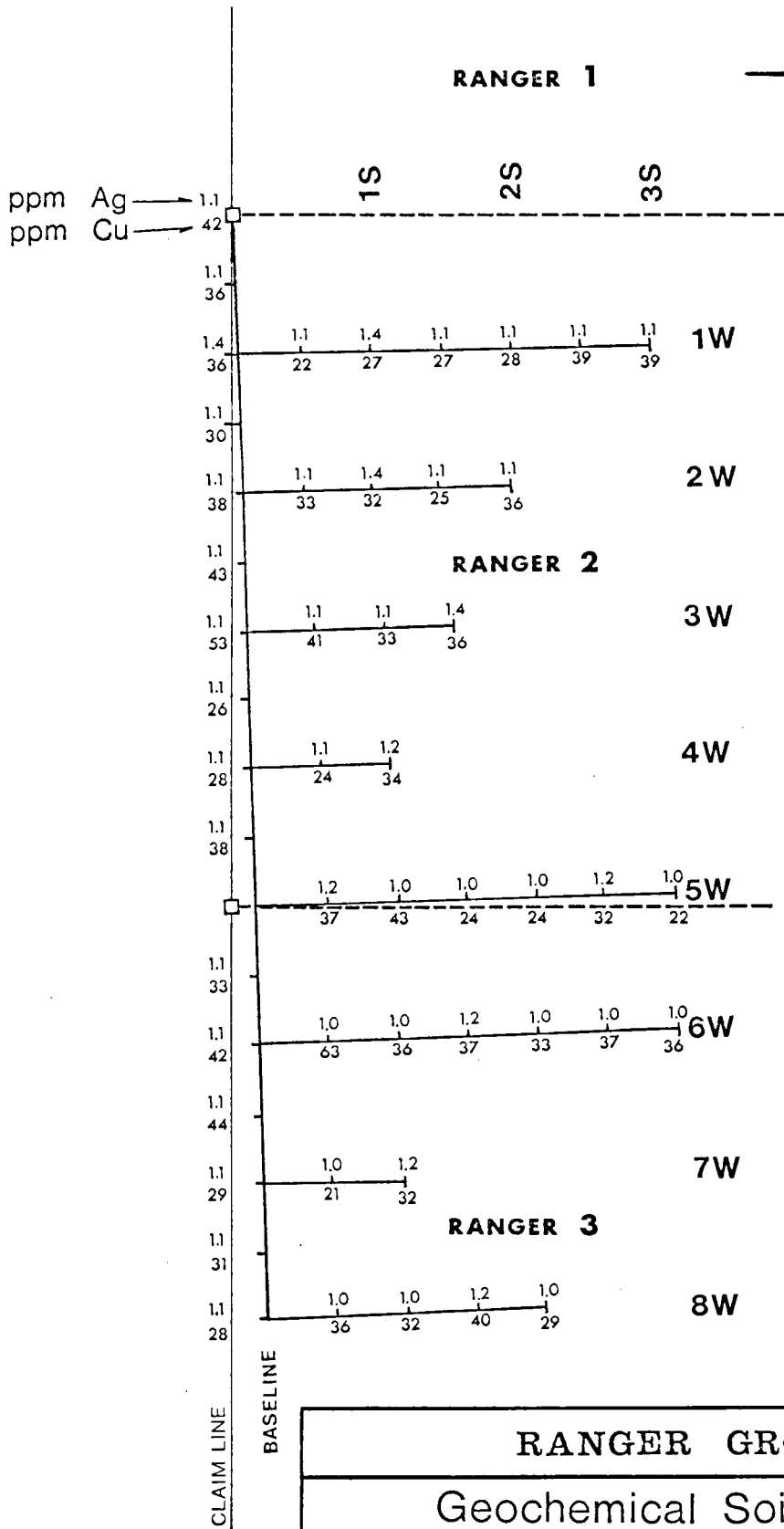


5. GEOCHEMICAL SOIL SURVEY

A total of 49 soil samples were collected along the east-west baseline and the short north-south grid lines. Compass and chain method was used to survey the grid, which was picketed and sampled at 50 meter intervals. The grid lines were spaced at 100 meters.

All samples were collected from the shallow holes, preferably from the "B" horizon, although locally the soil horizons were very poorly developed. In such locations, any available soil was collected. Samples were packed in kraft envelopes, marked, partially dried and submitted to General Testing Laboratories, Vancouver, B.C. to be assayed for copper, silver and gold.

Copper and silver assays were obtained by the standard procedure. Two grams of - 80 mesh fraction was dissolved in nitric acid and processed by atomic absorption spectrometry method employing a Jarill Ash 850 instrument. A different method was used for gold. From a 15 gram sample of - 80 mesh fraction, a bead was produced by fire assay and then pro-



**RANGER GROUP**

**Geochemical Soil Survey  
SILVER and COPPER Plot**

GREENWOOD M.D., B.C.

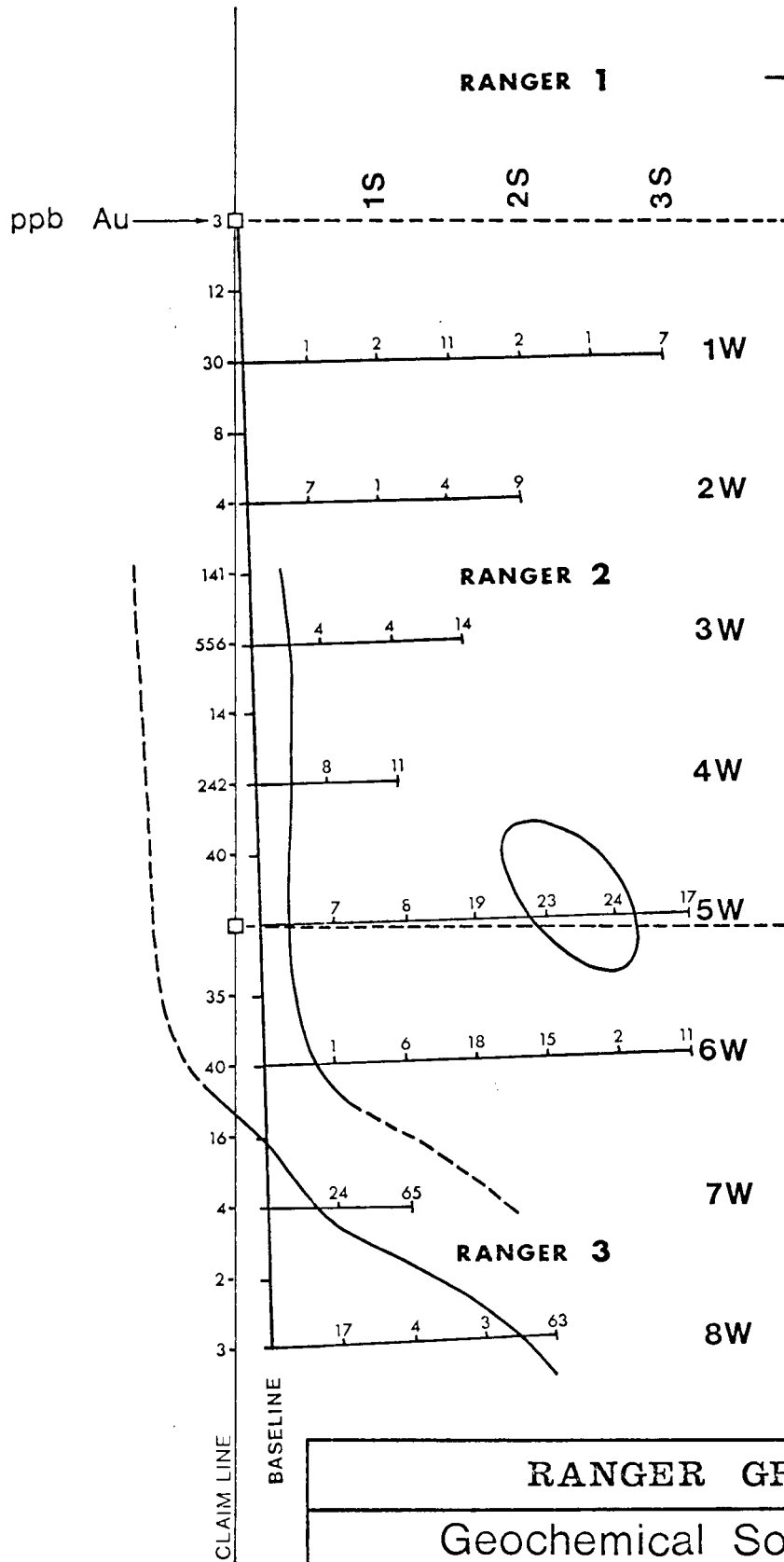
82 E / 2W

V. CUKOR, P. Eng. - NVC ENGINEERING - VANCOUVER, B.C.

DATE: MAY 1980

SCALE: 0 50 100

FIG. 3



<b>RANGER GROUP</b>		
Geochemical Soil Survey GOLD Plot		
GREENWOOD M.D., B.C.		82 E / 2W
V.CUKOR, P.Eng. - NVC ENGINEERING - VANCOUVER, B.C.		
DATE: MAY 1980	SCALE: 0 50 100 m	FIG. 4

5. GEOCHEMICAL SOIL SURVEY (Cont'd)

cessed by Nutron Activation Analysis.

All assay results were shown on the attached plans (Figs. 3 and 4). Silver and copper values are uniformly low over the entire grid area. However, the gold assays produced some attractive results. Not sufficient samples had been collected for proper statistical evaluation of the results. From previous experience on the adjoining property, values of over 15 ppb Au are considered anomalous and over 20 ppb Au significantly anomalous. A total of 12 samples fell into this category with the peak value reaching 556 ppb Au.

Respectfully submitted,



V. Cukor, P. Eng

May 1980

CERTIFICATE OF COSTS

FIELD WORK:

V. Cukor, P. Eng	2 days	@ 250.00	500.00
G. Kachuk, Prospector	2 days	@ 100.00	200.00
Motel			48.00
Truck Rental			90.00
Food			60.00
Assaying			367.50

REPORT:

V. Cukor, P. Eng	2 days	@ 250.00	500.00
Drafting			175.00
Typing, Printing & Binding			120.00

\$2,060.50

*V. Cukor*

CERTIFICATE

I, VLADIMIR CUKOR, of 2841 West 18th Avenue, Vancouver, B.C.  
do certify that:

1. I am a Consulting Geological Engineer with business address as above
2. I graduated from the University of Zagreb, Yugoslavia in 1963
3. I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers in the Province of British Columbia
4. I have practised my profession as a Geological Engineer for the past 17 years both in Yugoslavia and Canada
5. I have no interest, direct or indirect in the property nor do I expect to receive or acquire any.

May 1980

  
VLADIMIR CUKOR, P. ENG.