



GEOCHEMICAL SURVEY  
FOR

Slocan Development Corporation Limited

ON

THE CED CLAIM GROUP

Watson Lake Mining Division

Yukon Territory

Claim Sheet 105 I - 11

2464-50

BY

Robert W. Nusbaum  
Geologist

July 15th, 1973 - December 18th, 1973

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 2600

*[Signature]*  
Resident Geologist or  
~~Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

*[Signature]*  
Commissioner of Yukon Territory



# TABLE OF CONTENTS

---

INTRODUCTION	.....	Page I
CONCLUSIONS	.....	Page I
RECOMMENDATIONS	.....	Page I
PERSONNEL	.....	Page I
PROPERTY	.....	Page I and II
LOCATION & ACCESS	.....	Page II
SOIL SAMPLING PROGRAM	.....	Page II
SURVEY RESULTS	.....	Page II and III
APPENDIXES	.....	Rear
CERTIFICATE	.....	Rear
LOCATION MAP	.....	Rear
CLAIM GRID MAP 1" to 2000'	.....	Rear
GEOCHEMICAL MAP 1" to 500'	.....	Pocket
CLAIM MAP 1" to 1000'	.....	Pocket

GEOCHEMICAL SURVEY  
FOR  
Slocan Development Corporation Limited  
ON  
THE CED CLAIM GROUP  
Watson Lake Mining Division  
Yukon Territory

Introduction

Slocan Development Corporation Limited acquired the CED claim group in the Spring of 1973, and upon recommendations by the Company Consulting Engineer, a geochemical survey was conducted on the Property by Newcastle Explorations, Vancouver, B. C. in July, of 1973.

Conclusions

The widely scattered anomalous zinc values are probably caused by leaching of the surrounding shales containing abnormally high amounts of zinc, which is then trapped and concentrated in the swampy areas. This is a common geochemical phenomenon and not necessarily indicative of the presence of massive zinc sulfide mineralization. The single anomalous lead value is of no significance.

Recommendations

No further work is recommended for the CED claim group.

Personnel

Newcastle Exploration's Survey Crew:

Larry Sostad	Vancouver, B.C.
Garry Baker	Vancouver, B.C.
Jack Bradley	Vancouver, B.C.
David Munns	Vancouver, B.C.

Property

The Property consists of 26 claims recorded on December 18th, 1972, claim sheet 105 I - 11. The following is a list of the claims and their grant numbers.

### Location & Access

The Property is located on the headwaters of the Pelly River, approximately 80 miles northeast of Ross River, Watson Lake Mining Division, Yukon Territory, Claim Map 105 I - 11.

Access is by fixed wing aircraft to Summit Lake, then to the property by helicopter, or, by helicopter directly to the property from Ross River.

### Soil Sampling Program

Two baselines were cut and measured, and a grid pattern was layed out on the claim group with lines at 400' spacings, and stations at 200' intervals. Soil samples were collected from the top of the "B" soil horizon using a hand auger. The samples were packaged in manilla envelopes, code-marked for identification, and sent to Loring Laboratory, in Calgary, Alberta for analysis. The samples were screened to minus 80 mesh, digested in aqua regia, and analysed for lead and zinc using the Atomic Absorption method.

### Survey Results

Approximately 400 sample results for lead-zinc analysis were received and plotted directly on maps on a scale of 1 inch to 500 feet for contouring and interpretation. A statistical analysis of the results of these samples shows an average background of 16 parts per million in lead. Only one lead value was found, which falls into the anomalous category, that is three-times background, in this case 48 parts per million. This value was 50 parts per million, and located in the northwest area of the claim group. No significance is placed upon this one anomalous lead value.

Average background zinc values are 203 parts per million with values of 609 parts per million falling into the anomalous category i.e. three times the background value.

Contouring of the zinc values greater than 500 parts per million outlines an area approximately 1200 feet by 600 feet in the northwest area of the claim group with grid co-ordinates: 12W 4S, 16W 4S, 20W 2N, to 20W 4S, and 24W 2S. Values within this area ranged from

SURVEY RESULTS

500 to 825 parts per million zinc. A long, narrow area trending east-west for 1200 feet containing four anomalous samples with values ranging from 560 to 725 parts per million zinc was outlined in the northwestern area of the claim grid with co-ordinates of: 44W 2N, 8W 2N, 16W 2N and 20W 2N.

Ten one-sample anomalies with values ranging from 600 to 1175 parts per million zinc were outlined, scattered mainly in the northwest area of the claim grid.

The grid area containing the scattered anomalous zinc values is underlain by very swampy terrain which traps and concentrates metallic ions. The anomalous values are probably caused by this phenomenon of the entrapment and concentration of zinc ions in the swampy bogs which have been leached from the surrounding shales, which carry abnormally high amounts of zinc. The scattered anomalous zinc values coincident with the very swampy terrain indicate a normal situation commonly found in the area and not necessarily indicative of zinc sulfide mineralization.

*January 4, 1974*

*Robert W. Huslaum  
Consulting Geologist*

CERTIFICATE OF QUALIFICATIONS  
-----

I, Robert Wilson Nusbaum, do hereby certify:

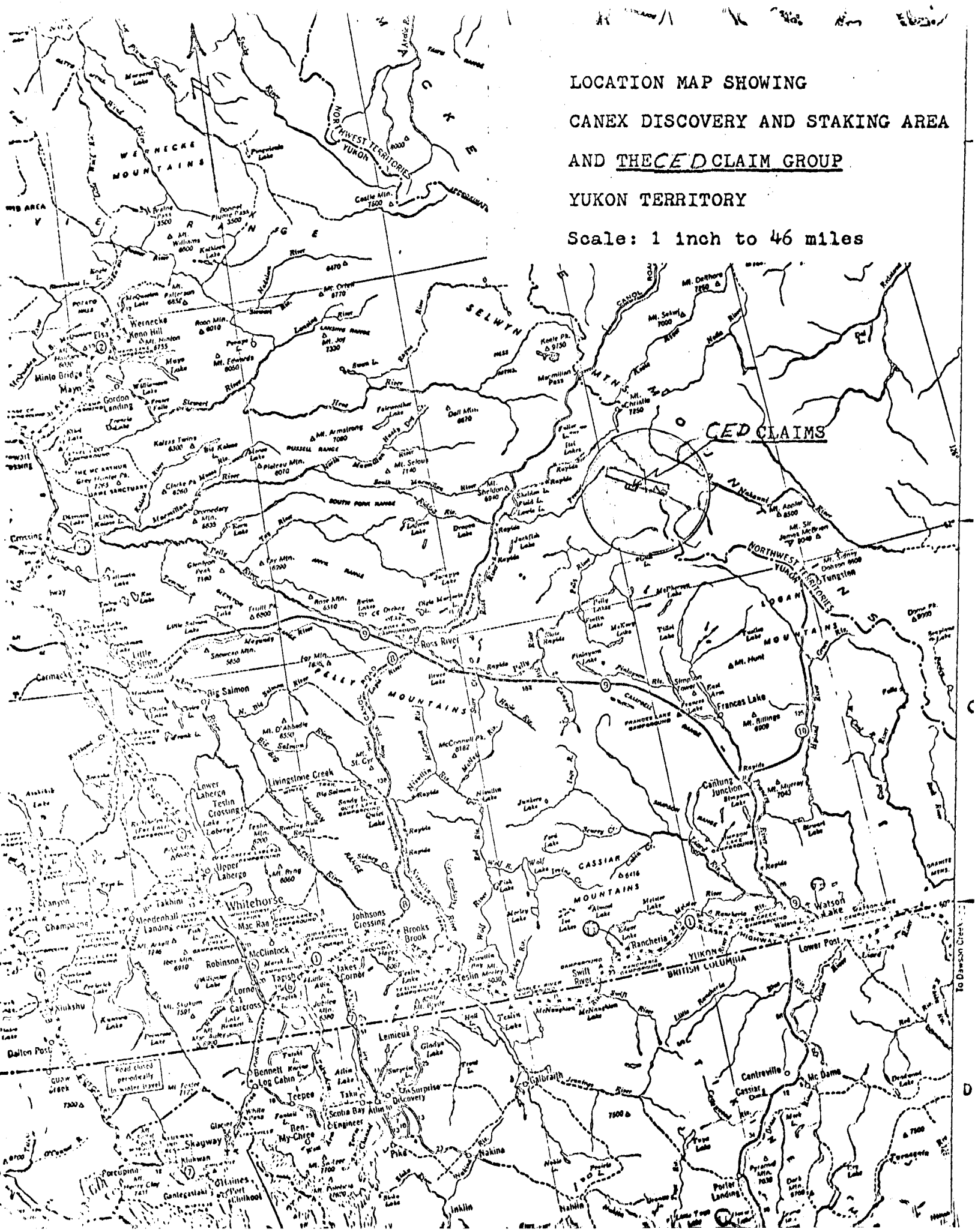
1. I am a practising Consulting Geologist, with residence at 660 Chatsworth Road, Richmond, British Columbia.
2. I am a graduate of the University of Idaho, with a Bachelor of Science Degree in Geology.
3. I have been practising my profession since 1959.
4. The accompanying report is based on analytical data received from Loring Laboratory, Calgary, Alberta, personal experience from working in Yukon Territories, and information received from the contractor, Newcastle Explorations.
5. I have no interest in the Property, nor in the securities of Slocan Development Corporation Limited, nor do I expect to receive any.

*January 4, 1974*

*Robert W. Nusbaum  
Consulting Geologist*

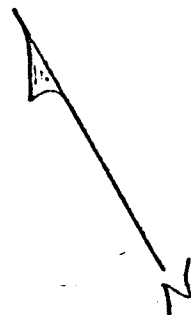
LOCATION MAP SHOWING  
CANEX DISCOVERY AND STAKING AREA  
AND THE CED CLAIM GROUP  
YUKON TERRITORY

Scale: 1 inch to 46 miles



10	8	6	4	2
9	7	5	3	1

26	24	22	20	18	16	14	12
25	23	21	19	17	15	13	11



Slocan Development Corporation  
 CED #1-26 Claim Group  
 Yukon Territory, 105 I-11

Geochem Grid 400' line spacing, 200' stations  
 Scale 1" to 2000' November, 1973 R.W.N.

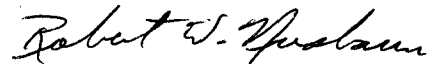


CERTIFICATE OF QUALIFICATIONS

I, Robert W. Nusbaum, do hereby certify:

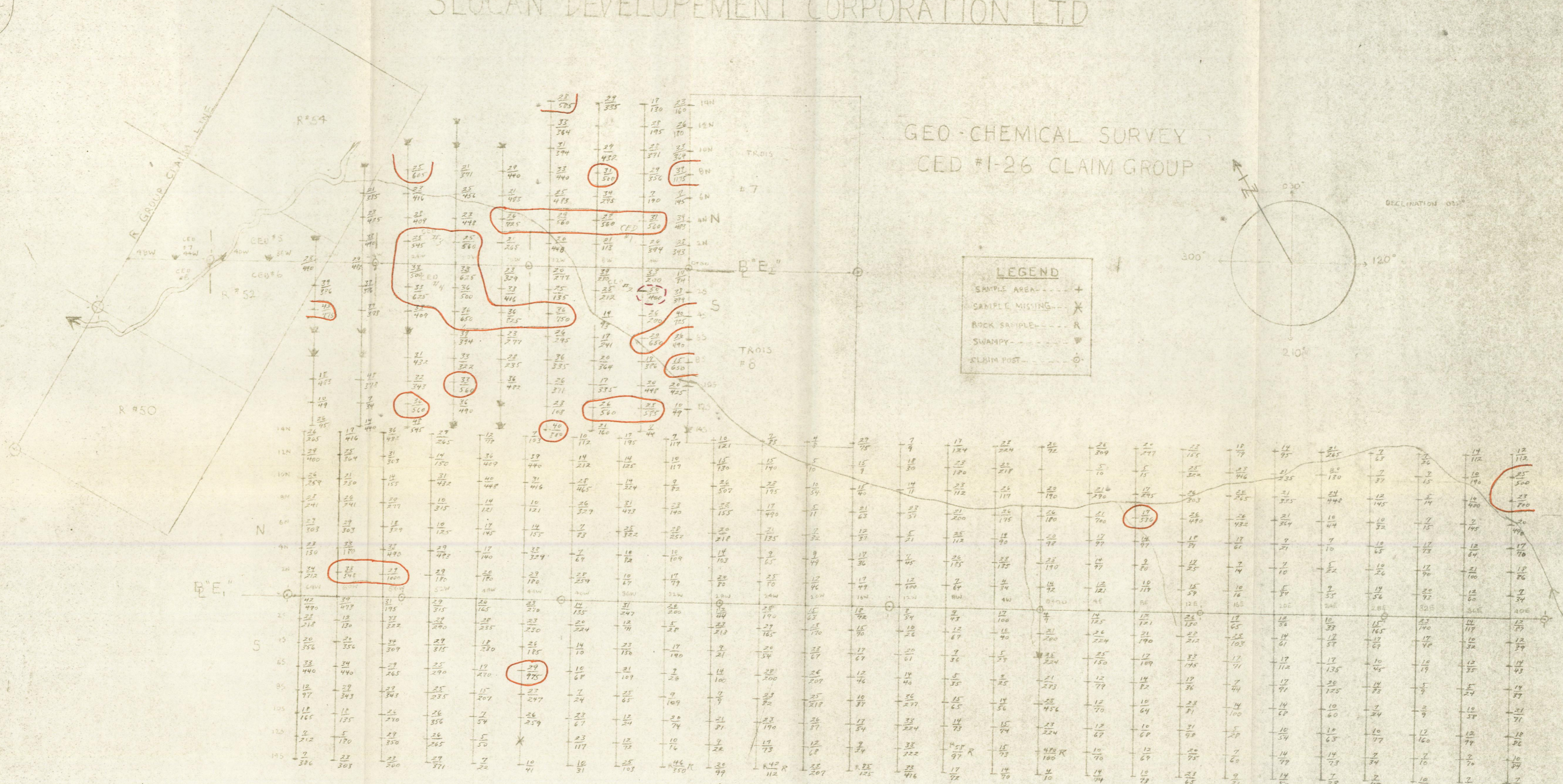
1. I am a practising Consulting Geologist with residence at, 660 Chatsworth Road, Richmond, B.C.
2. I am a graduate of the University of Idaho, with a Bachelor of Science Degree in Geology.
3. I have been practising my profession since 1959.
4. The accompanying Report is based on analytical data received from Loring Laboratory, Calgary, Alberta, personal experience in Yukon Territory and information received from Newcastle Explorations.
5. I have no interest in the Property, nor do I expect to receive any.

January 8th, 1974  
Vancouver, B. C.

  
Robert W. Nusbaum  
Consulting Geologist

# SLOCAN DEVELOPEMENT CORPORATION LTD

## GEO-CHEMICAL SURVEY CED #1-26 CLAIM GROUP



SCALE: 1 inch = 500 feet

Values in ppm  $\frac{Pb}{Zn}$

Average Background Values 16 ppm lead  
Average Background Values 203 ppm zinc

L.R.W.S.

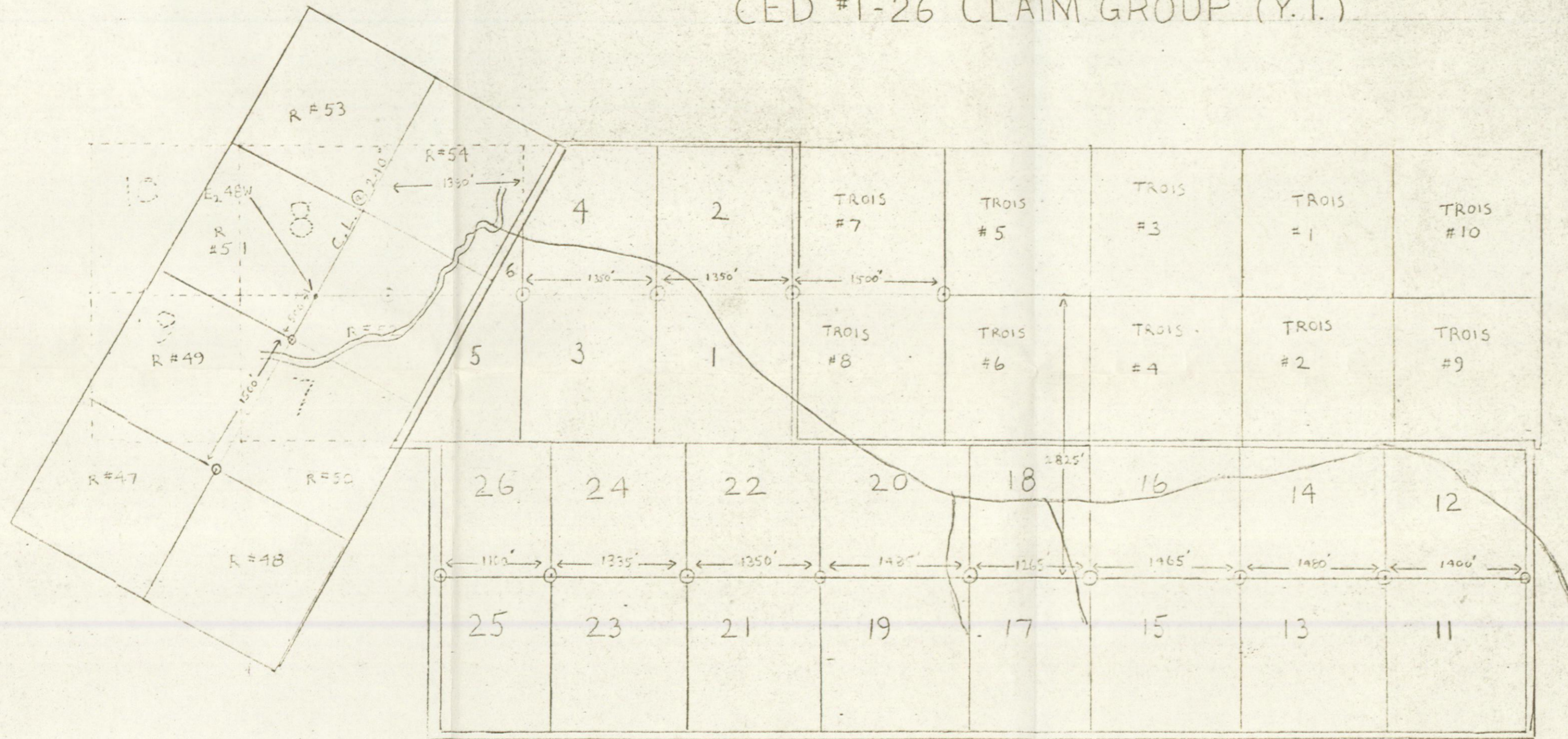
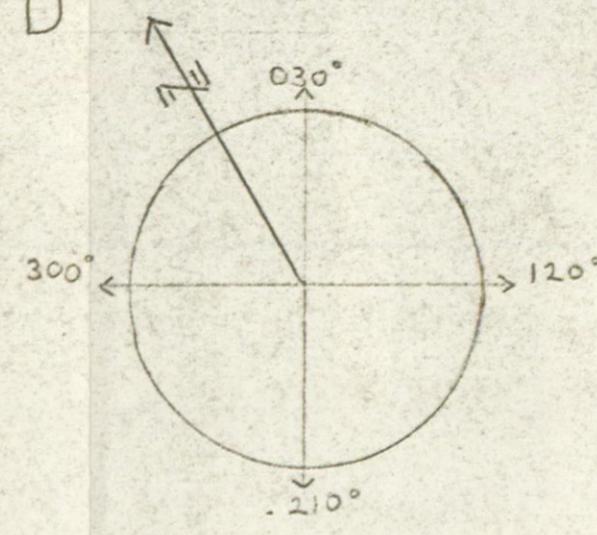
Contour Intervals

Greater than 48 ppm lead     
Greater than 500 ppm zinc   

CLAIM SHEET 105 I-11 & 105 I-12

Data compiled, plotted and  
contoured by R.W. Neubaum

SLOCAN DEVELOPEMENT CORPORATION LTD  
 CLAIM SURVEY  
 CED #1-26 CLAIM GROUP (Y.T.)



26	24	22	20	18	16	14	12
← 1100' →	← 1335' →	← 1350' →	← 1420' →	← 1265' →	← 1465' →	← 1480' →	← 1400' →
25	23	21	19	17	15	13	11

NAH CLAIM GROUP

L.R.W.S.

SCALE :- 1 inch = 1000 feet