

COMINCO LTD.

EXPLORATION  
NTS: 116C

WESTERN DISTRICT



GEOCHEMICAL REPORT

on the BALDY CLAIMS 1-22

situated at

140°59' W LONGITUDE: 64°47' N LATITUDE

DAWSON M.D., YUKON TERRITORY

Work period: May 31 - June 3, 1980

090774

JANUARY 15, 1981

E.G. OLFERT

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 \$ 3300.00

*H. H. [Signature]*

Resident Geologist or  
Resident Mining Engineer

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

*[Signature]*  
E. R. BAXTER  
Supervising Mining Recorder

*[Signature]*  
Commissioner of Yukon Territory



475000

1961 JUN 3

JANUARY 1961

COMINCO LTD.

EXPLORATION  
NTS: 116C

WESTERN DISTRICT  
January 15, 1981

GEOCHEMICAL REPORT

ON THE BALDY CLAIMS 1-22

situated at

140°59' LONGITUDE: 64°47' LATITUDE

DAWSON M.D., YUKON TERRITORY

Located Claims on which assessment credits are requested:

<u>Claim</u>	<u>Record #</u>	<u>Date Recorded</u>	<u>Assessment Credit</u>	<u>Amount</u>
Baldy 1	YA49765	May 30th 1980	1 1/2 yrs	\$ 150.
" 2	" 66	"	"	"
" 3	" 67	"	"	"
" 4	" 68	"	"	"
" 5	" 69	"	"	"
" 6	" 70	"	"	"
" 7	" 71	"	"	"
" 8	" 72	"	"	"
" 9	" 73	"	"	"
" 10	" 74	"	"	"
" 11	" 75	"	"	"
" 12	" 76	"	"	"
" 13	" 77	"	"	"
" 14	" 78	"	"	"
" 15	" 79	"	"	"
" 16	" 80	"	"	"
" 17	" 81	"	"	"
" 18	" 82	"	"	"
" 19	" 83	"	"	"
" 20	" 84	"	"	"
" 21	" 85	"	"	"
" 22	" 86	"	"	"
			<u>33 yrs.</u>	<u>\$ 3,300.</u>

Geochemical work was done on these claims between May 31st and June 3rd 1980.

2.

## INTRODUCTION

The Baldy Claims were staked in May 1980 to cover an area along the Yukon/Alaska border containing anomalous soil/silt geochemistry and Cu, Pb, Zn sulphide float. The region is underlain by quartz, muscovite, chlorite schists mapped as the Kondike Schist.

This report is based on results of a grid-soil sampling program conducted between May 31st - June 3rd, 1980. The aim of this program was to define the size of the anomalous area by soil-grid-geochemistry.

Personnel employed during the course of this study include:

Paul Wojdak	2 man days	7th Floor, 409 Granville Street Van. B.C.
Don Dudek	2 man days	" " "
Graham Gill	3 man days	" " "
Al Roberts	2 man days	" " "
Don Coolidge	1 man days	" " "

## LOCATION AND ACCESS

The Baldy claims are located on the Yukon/Alaska border 48 miles west of Dawson City.

The Claims lie within the Dawson Mining Division and are located at 140°59'N longitude and 64°47'W latitude. Access is by helicopter from Dawson City. The Top of the World Highway lies about 1 1/2 miles to the south of the claim group.

## SUMMARY

Assessment work conducted on the claim group includes grid-soil-sampling and prospecting. The grid area has been sampled at 25 m intervals along lines spaced approximately 150 m apart. The most significant result is a coincident Cu, Pb, Zn soil geochemical anomaly adjacent to the international border. This anomaly is approx. 500-600 m long and 100-400 m wide.

## GEOLOGY

The claims are underlain by a sequence of quartz-chlorite schists which trend E/W across the property and dip to the north. Sheared granitic and rhyolitic rocks occur along strike to the East. These above units are underlain by Paleozoic graphitic quartzites, phyllites and minor carbonates of the Nasina Series. Structurally the area has been folded into an overturned syncline with the chloritic schist host rocks occupying the central portion of the fold.

3.

### MINERALIZATION

Some pyritic Cu, Pb, Zn float has been found in a creek bed as shown on the attached maps. The mineralization occurs as stratiform disseminations of sphalerite, chalcopyrite, galena and pyrite in quartz, muscovite, chlorite host rocks. One sample submitted for assay contained 1.44% Zn, 0.3% Pb, 0.1% Cu, 0.2 oz/t. Ag and 0.002 oz/t. Au. Minor disseminated galena in chlorite schist has also been found in slumped talus along the creek bank. All the mineralized float occurrences are located in the area containing the coincident Cu, Pb, Zn soil-geochemical anomaly.

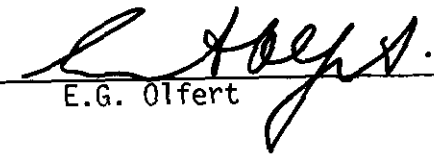
### GEOCHEMISTRY

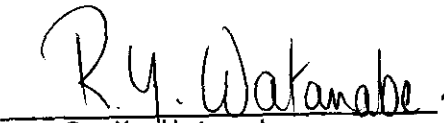
Approximately 350 grid-soil-samples were collected and analyzed for Cu, Pb, Zn using the atomic absorption method. One significant anomalous area was detected and is located adjacent to the Alaska/Yukon border. This area is approximately 500-600 m. long, 100-500 m wide and is anomalous in Cu, Pb and Zn. Pb is the most anomalous element with values commonly in the 100-200 ppm range; background values are approx. 10-25 ppm. Two samples contained over 700 ppm Pb. Anomalous Zn values are in the range of 100-200 ppm with background values of 50-75 ppm. Anomalous Cu values are in the range of 25-100 ppm with background values of 10-15 ppm. Elsewhere on the grid area a few small scattered anomalies do occur, however, they are restricted to a small number of anomalous samples, and these samples are usually only anomalous in one element.

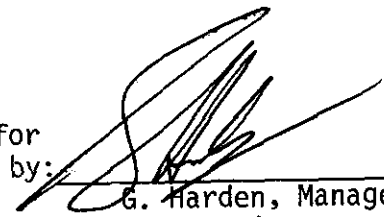
### CONCLUSIONS AND INTERPRETATION OF RESULTS

- 1) This property contains a significant coincident Cu, Pb, Zn geochemical soil anomaly.
- 2) Low grade strata-controlled Cu, Pb, Zn mineralization has been found as float in the area containing the above geochemical anomaly and is suggested to be the source for the anomaly.
- 3) The Cu, Pb, Zn mineralization is hosted within the same stratigraphic sequence as the Boundary prospect located about 1 mile to the west across the Alaska border.

4.

Report by:   
E.G. Olfert

Endorsed by:   
R. Y. Watanabe  
Senior Geologist

Approved for  
Release by:   
G. Harden, Manager  
Exploration  
Western District

ATTACHMENTS:

1. Location Map 1:250,000
2. Claim Map 1"=1/2 mi.
3. Pb Geochemistry Map 1:5000
4. Zn Geochemistry Map 1:5000
5. Cu Geochemistry Map 1:5000

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

I, Ernest Olfert, with business address at 409 Granville Street, 7th Floor, Vancouver, British Columbia, do hereby certify that I have supervised the field work and have assessed and interpreted the data resulting from this geochemical survey.

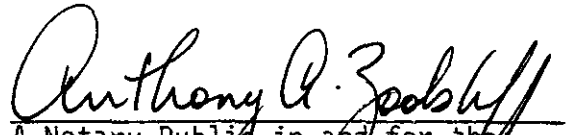
I also certify that:

1. I am a graduate of the University of Calgary, Alberta, where I received a B.Sc degree in Honours Geology in 1970.
2. I am engaged in mineral exploration and have been a permanent employee with Cominco since 1971.

Respectfully Submitted:

  
\_\_\_\_\_  
E.G. Olfert, B.Sc. Honours

This is Schedule A referred to  
in the Statutory Declaration  
of ERNEST G. OLFERT  
declared before me this 18th day  
of December, 1980

  
A Notary Public in and for the  
Province of British Columbia.


STATEMENT OF EXPENDITURES

BALDY GROUP

DAWSON M.D., Y.T.

MAY 30th, 1980 - JUNE 3rd, 1980

SALARIES (10 man days) . . . . .	\$ 822.00
REPORT WRITING E. Olfert (1 day) . . . . .	126.00
TRANSPORTATION (Helicopter 2 hrs. at \$400/hr. . . . .	800.00
GEOCHEMISTRY Cu, Pb, Zn 380 samples at \$3.25/sample . . .	1,235.00
DOMICILE (Food & equipment) 10 man days at \$15/m.day . .	150.00
	<u>\$ 3,133.00</u>
ADMINISTRATION 10% . . . . .	313.30
TOTAL	<u>\$ 3,446.30</u>

  
Ernest G. Olfert  
Geologist, Exploration  
Cominco Ltd.

C A N A D A

YUKON TERRITORY

TO WIT:

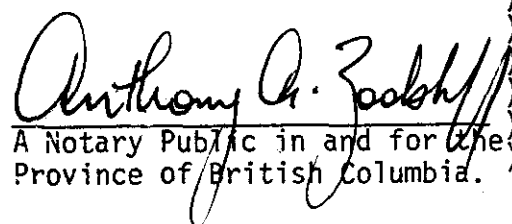
STATUTORY DECLARATION


I, ERNEST GEORGE OLFERT, of the City of Vancouver, in the Province of British Columbia, do solemnly declare that;

1. I am employed as a geologist by Cominco Ltd. and, as such, have a personal knowledge of the facts to which I here in after depose;
2. Annexed hereto and marked as Schedule A is a true copy of expenditures on the geochemical survey carried out on mineral claims BALDY 1-22.
3. The said expenditures were incurred between the 31st of May and the 3rd of June 1980 for the purpose of mineral exploration on the above noted claim group.
4. This Statutory Declaration is made in support of an application for a Certificate of Work pursuant to the Yukon Quartz Mining Act.

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at the  
City of Vancouver in the  
Province of British Columbia  
this 18th day of December 1980.

  
A Notary Public in and for the  
Province of British Columbia.

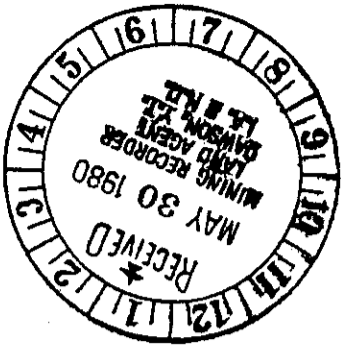
  
Ernest G. Olfert



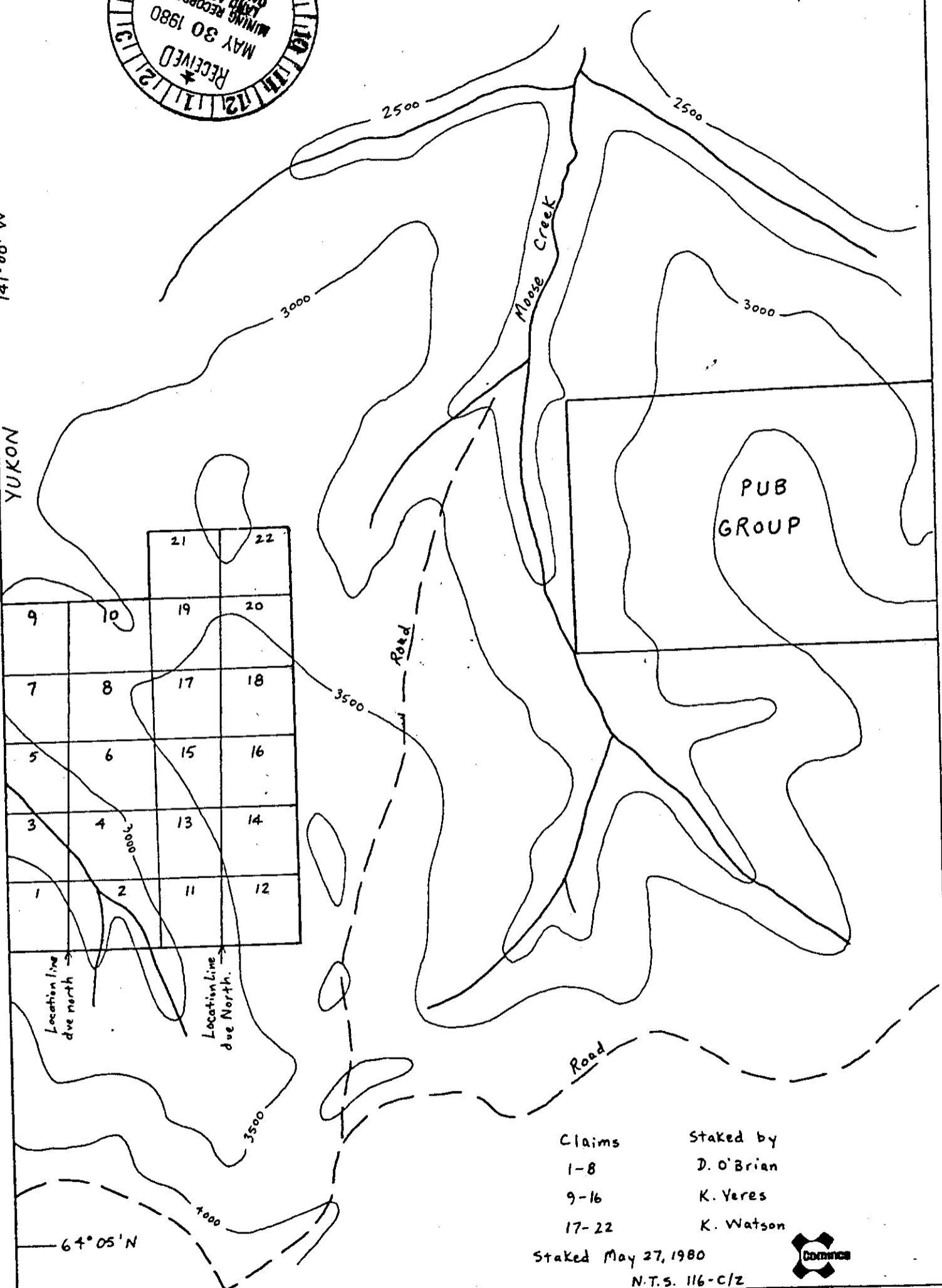
Drawn by:	Traced by:
Revised by	Date
Revised by	Date

# LOCATION MAP

Scale: 1" = 32 Mi.      Date:      Plate: **1**



ALASKA  
YUKON  
141°00' W



PUB  
GROUP

Location line  
due north →

Location line  
due North. ↑

Claims      Staked by  
 1-8          D. O'Brien  
 9-16        K. Veres  
 17-22      K. Watson  
 Staked May 27, 1980  
 N.T.S. 116-C/2



Drawn by: EGO		Traced by: APR	
Revised by	Date	Revised by	Date

BALDY CLAIM GROUP

Scale: 1" = 1/2 miles

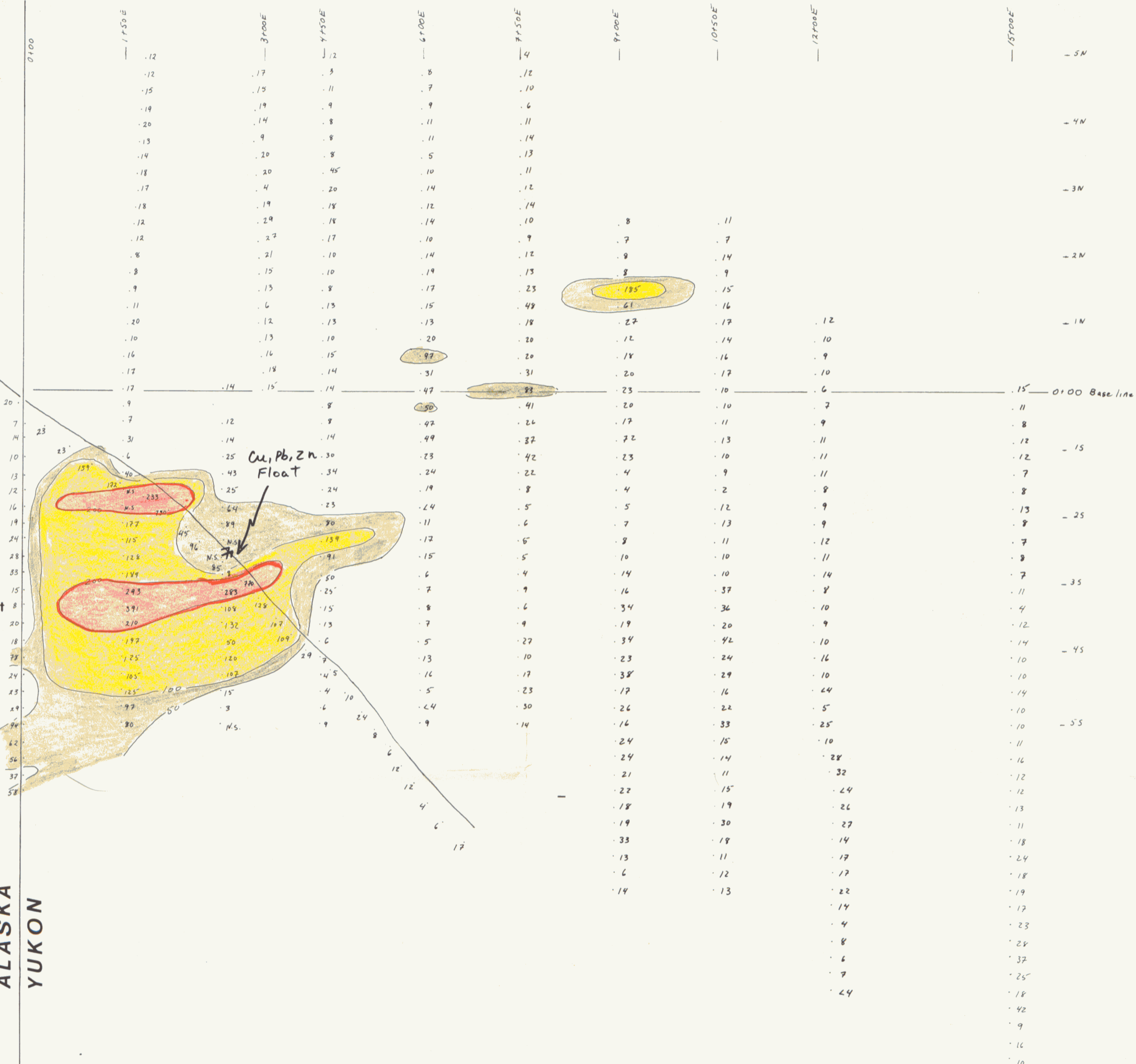
Date: 30-5-1980

Plate:



Boundary Prospect 1.5 km. west

ALASKA  
YUKON



### LEGEND

- > 200 ppm Pb.
- > 100 ppm Pb.
- > 50 ppm Pb.

n.t.s.: 116-C-2

## BALDY CLAIMS (Boundary)



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

### PB. SOIL GEOCHEMISTRY

Scale 1:5000

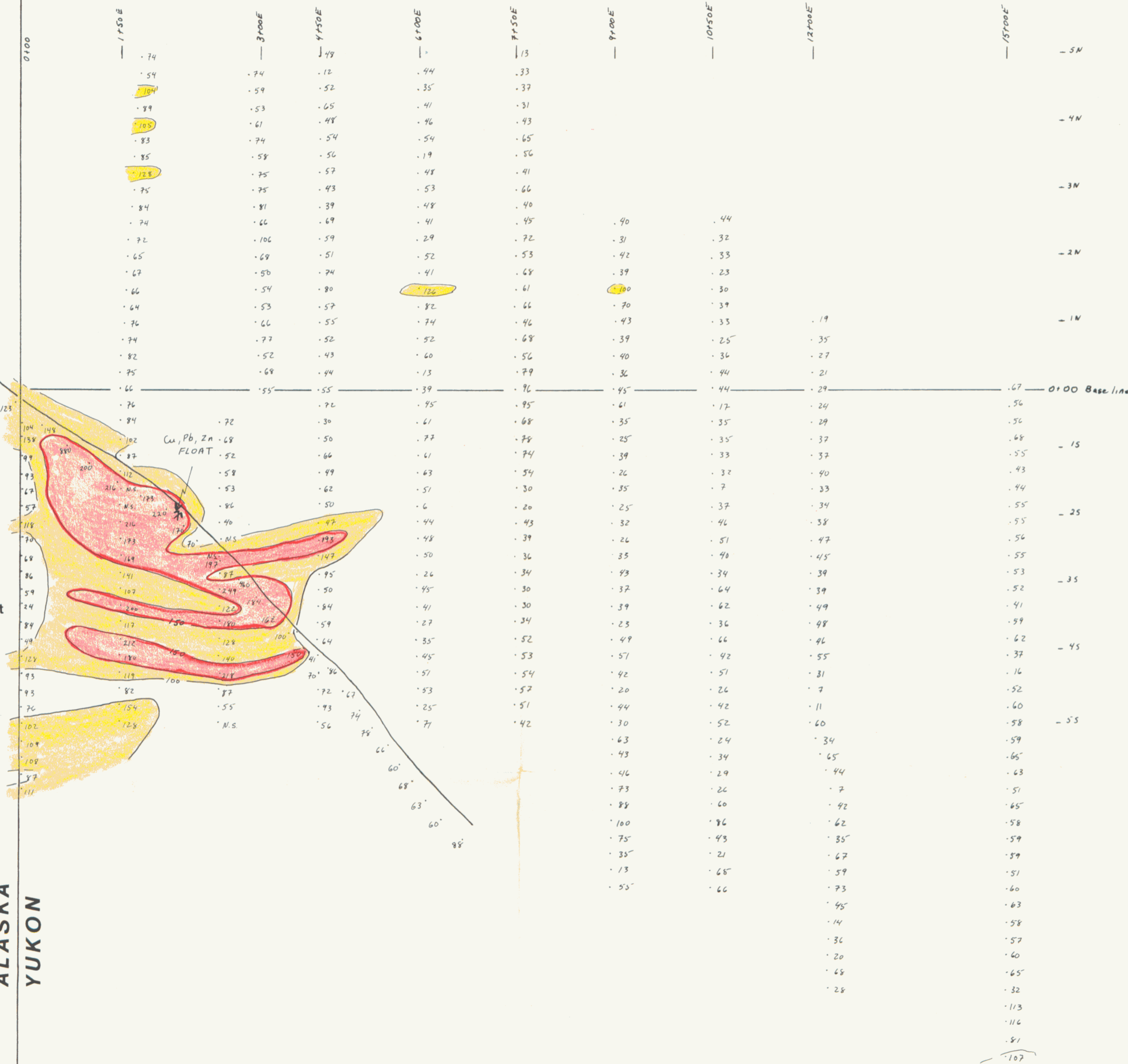
Date

Plate 3



Boundary Prospect 1.5km. west

ALASKA  
YUKON



### LEGEND

- >150 p.p.m. ZN.
- >100 p.p.m. ZN.

*Exp*

n.t.s. 116-C-2

## BALDY CLAIMS (Boundary)



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

### ZN, SOIL GEOCHEMISTRY

Scale: 1:5000

Date:

Plate: 4

