5729

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 93 A/15

GEOCHEMICAL SURVEY

ON THE CRY AND CAB CLAIMS

CRIN PROPERTY

Work performed between August 1 and December 1, 1975

DECEMBER 5, 1975

NICHOLAS L. SZABO

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GEOCHEMICAL SURVEY

ON THE CRY AND CAB CLAIMS

CRIN PROPERTY

A soil geochemical survey was conducted over parts of the CRY and CAP groups of Cominco's Crin Property. A total of 561 samples were collected at 200 centres along grids, 252 of these were collected on the nine-claim CRY 75-1 group, while the remaining 309 samples were collected on the fourteen claim CAB 75-1 group. Much of the surveyed area on both groups was found to contain anomalous zinc values. Lead values were anomalous over much of the CRY group, but only scattered small anomalies were located on the CAB group. A number of low-grade lead-zinc showings are known to occur upslope from the lead-zinc anomaly on the CRY group, and is probably the cause of the anomaly. On the CAB claims, the anomalies occur in overburden covered areas and are probably related to sub-cropping showings similar in nature to those on the CRY group.

INTRODUCTION

The CRY and CAB claims are located approximately 12 miles north of Germansen Landing in North-Central British Columbia in the Omineca Mining Division. Access to the claims is by four-wheel drive road from Germansen Landing. Germansen Landing can be reached by road year around, or by scheduled flights from Prince George during the summer.

GEOLOGY

The CAB 75-1 and CRY 75-1 groups are underlain by limestone and shales. The "Omineca limestone belt" of Middle Devonian age consists of interbedded arenaceous and argillaceous limestones; dense, crystalline, and crinoidal limestones; dolomites; and dolomitic limestones. The limestones are overlain by argillite and slate. A number of low-grade lead-zinc showings are known to occur in the limestone dolomite formation.

GEOCHEMICAL SURVEY

Method

The soil survey was done by Far Out Enterprises of North Vancouver under the supervision of A.L. MacGregor. The line spacing as well as the sample spacing along the lines was 200 feet. Soils, in general, are not well developed on the property and the material sampled was a poorly developed B horizon on gruss-like material or on talus.

Samples Preparation and Analysis

All samples were oven dried and sieved. The -80 mesh size fraction was then analyzed for hxPb and hxZn in Cominco's Vancouver Research Lab. Analysis was by atomic absorption using 20% hot nitric acid to bring ions into solution. Threshold values were determined by the use of logarithmic probability plots and these values were found to be Pb_t=75ppm, and Zn_t=125ppm.

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Data Presentation

Plate 1	Location Map, Crin Property	Scale	1"=8 miles
2	Claim Map, CRY 75-1 and CAP 75-1 Groups		1"=3/4 mile
3	Soil Geochemistry (Pb ppm) CRY Group		1"=400'
4	Soil Geochemistry (Zn ppm) CRY Group		1"=400'
5	Soil Geochemistry (Pb ppm) CAB Group		1"=400'
6	Soil Geochemistry (Zn ppm) CAB Group		1"=400'

RESULTS

CRY Group

Over much of the northern portion of the grid on the CRY Group, the soils contain anomalous amounts of lead and zinc. This large anomalous area lies downslope from two known low-grade lead-zinc showings occurring on claim CRY #8.

CAB Group

Two large zinc anomalies were located by the soil survey on the CAB Group. Scattered highs of coincident lead values also occur, but the lead anomalies are much more irregular and smaller in size than the zinc anomaly.

CONCLUSIONS

The soil survey on the CRY Group located a large coincident lead-zinc anomaly. This anomaly is located downslope from two known lead-zinc showings, and is probably caused by downslope dispersion from the showings.

Two large zinc anomalies were located on the CAB Group. Associated with the zinc anomalies are scattered highs in lead values. No showings are known in the area, and the overburden cover is extensive. These anomalies are probably caused by sub-cropping low-grade mineralization of the type known to occur on the CRY Group.

Submitted by: Nicholas L Szabo
NICHOLAS L. SZABO
Project Geologist
Exploration

Endorsed for
Release by: W.T. Irvine
W. T. IRVINE, P. ENG.
Manager, Exploration
Western District

NLS/dr
December 8, 1975

Distribution: Mining Recorder (2)
Western District (1)
Administration (1)

DOMINION OF CANADA:)
)
PROVINCE OF BRITISH COLUMBIA.) IN THE MATTER OF
)
TO WIT:)

I, NICHOLAS SZABO

of the MUNICIPALITY OF RICHMOND

in the Province of British Columbia, do solemnly declare that

1. Copies of a report regarding a geochemical survey on certain claims situated in the Omineca Mining Division are being filed with the Mining Recorder in Vancouver.

2. Attached hereto, and market with the letter "A" upon which I have signed my name at the time of declaring hereof, is a Statement of Expenditures incurred in connection with the geochemical survey of the said claims showing in addition the period during which those making the said survey performed their work.

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".

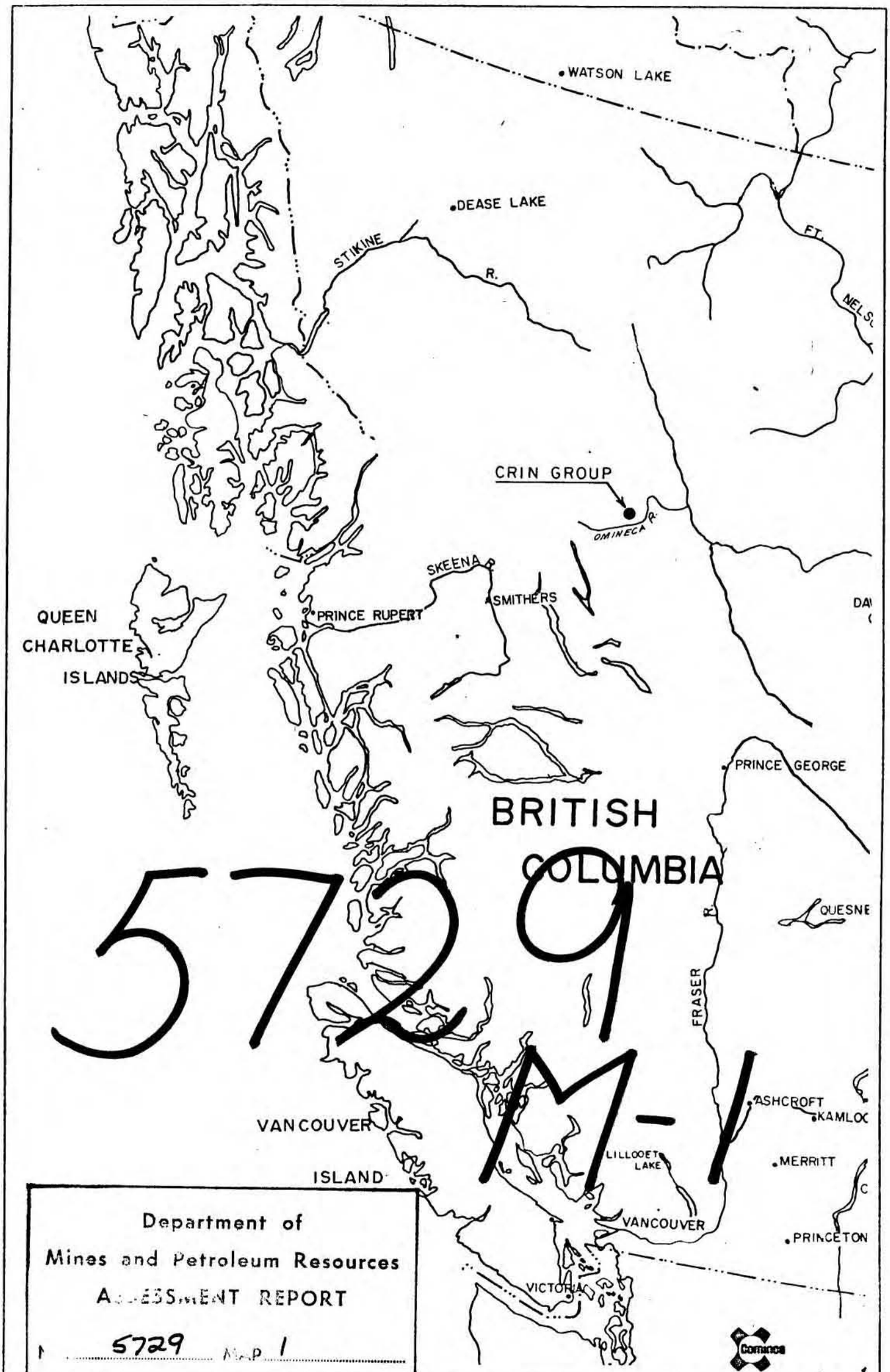
Declared before me at the City)
of Vancouver, in the Province of)
British Columbia, this 9 day)
of December 1975, A.D.)

Nicholas J Szabo

Joan Turner

A NOTARY PUBLIC IN AND FOR THE PROVINCE OF
BRITISH COLUMBIA

SUB-MINING RECORDER



5729-M-1

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

No. 5729 MAP 1

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

M. L. Szalo

CRIN GROUP
LOCATION MAP

Scale: 1" = 80 Miles | Date: Dec., 1973 | Plate: 1

N

CAB 75-1

CRY 75-1

JEMMA 7-22

Extra Lake

Outline of Detailed Trench Map

CR.N 7-56

CR.N 7-15

JEMMA

NINE LAKE

Nina Creek Bridge
Length - 80 feet

NINA CREEK ROAD

NINA CREEK

GERMANSEN LANDING

Germansen River

ACCESS ROAD

MANSON CREEK

MANSON RIVER

OMINECA

124°45'
56°00'

24°45'
55°45'

MILES 1/2 0 1/2 1 1 1/2 2 2 1/2

SCALE

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5729 MAP 2

M-2
5729

To accompany Assessment Report by N. Szabo

CRIN PROPERTY

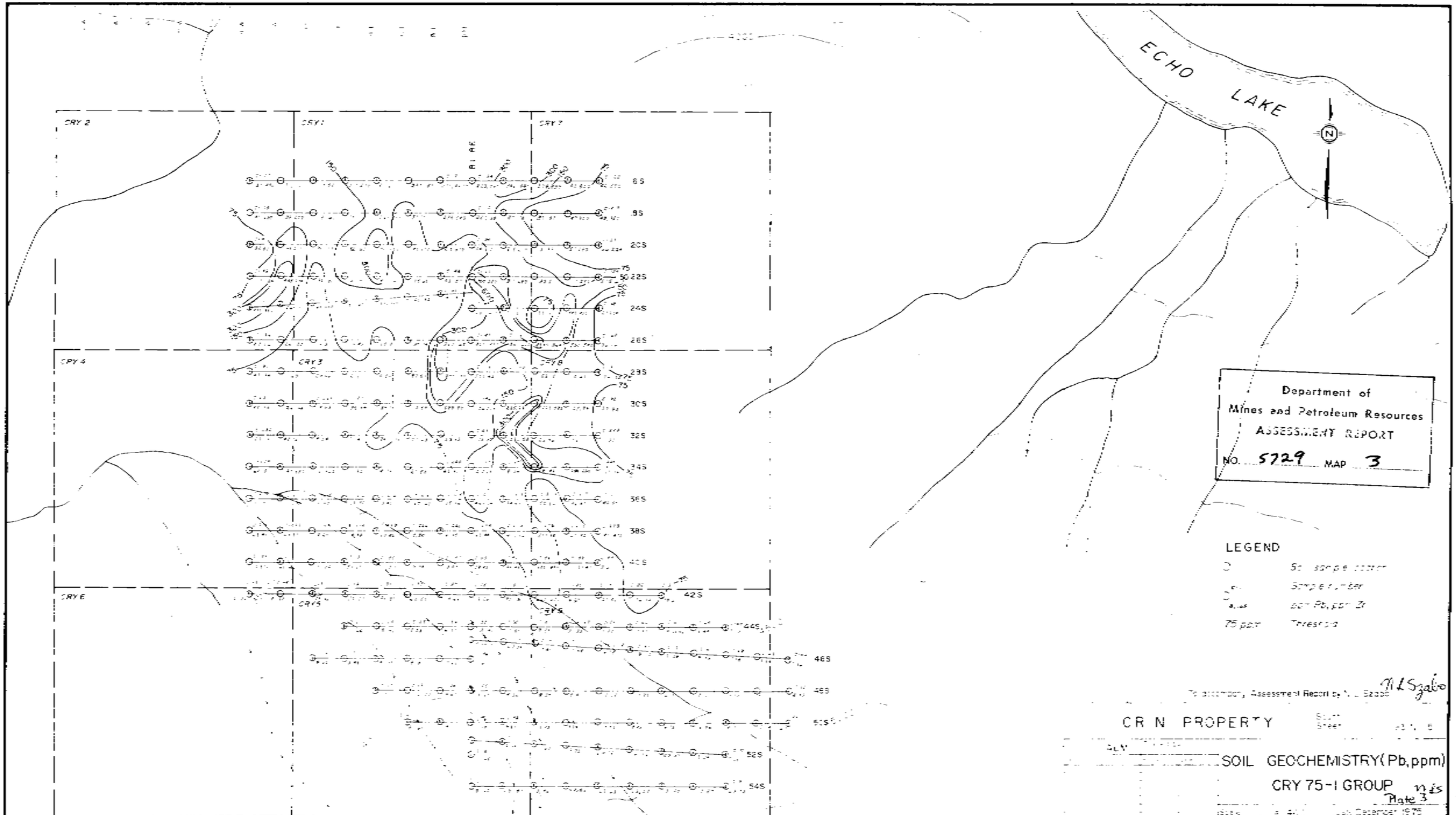
Consolidated 95 M/5

Drawn by: A. L. N.	Traced by:
Revised by: Date	Revised by: Date

LOCATION MAP

CAB 75-1, CRY 75-1 GROUP

Scale: As Shown | Date: October 1975 | Plate: 2



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5229 MAP 3

LEGEND

- Soil sample station
- Sample number
- ppm Pb, ppm Zn
- 75 ppm Threshold

To accompany Assessment Report by N. L. Szabo N L Szabo

CR N PROPERTY

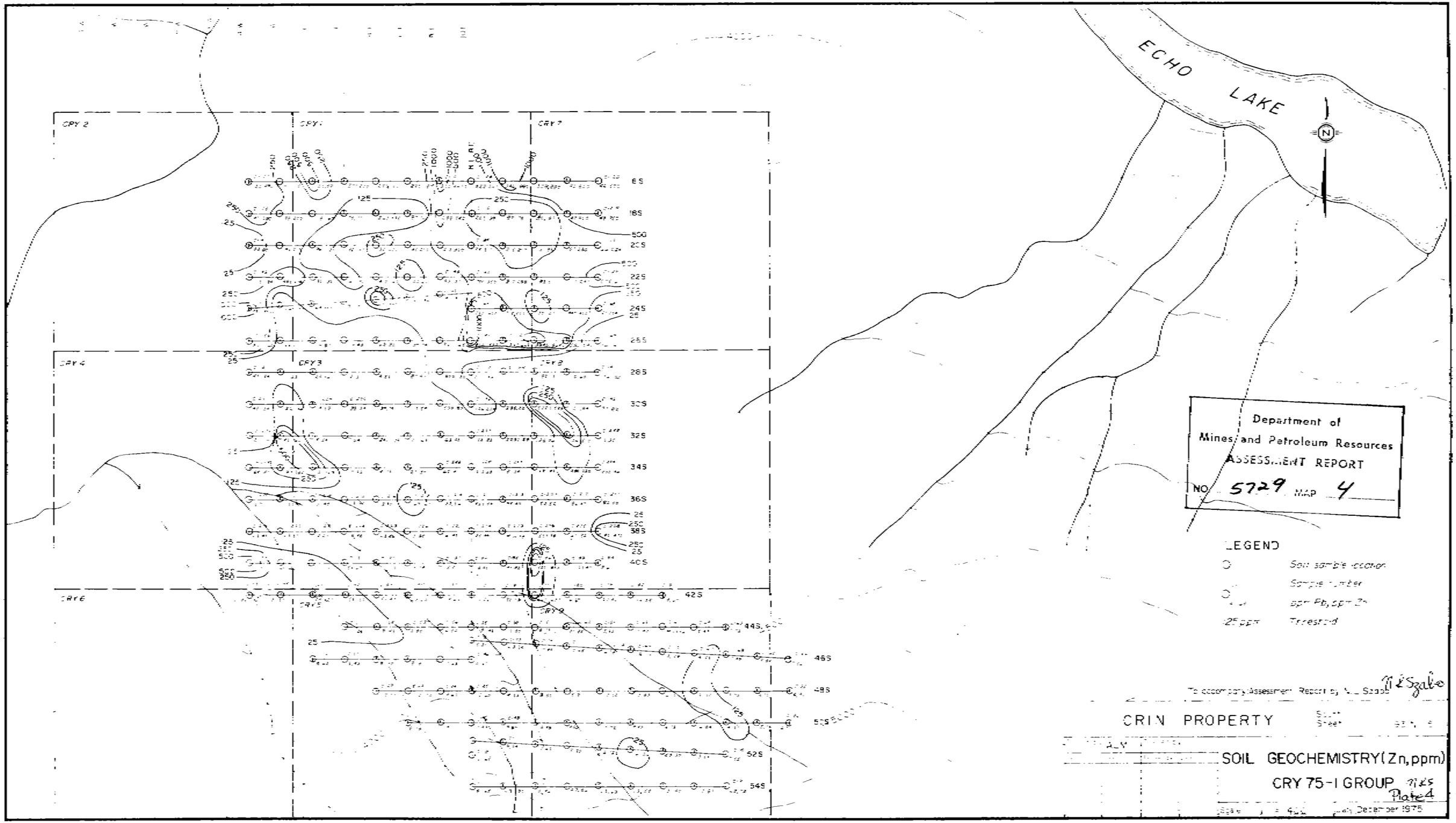
SOIL GEOCHEMISTRY (Pb, ppm)

CRY 75-1 GROUP

Plate 3

December 1975

VANCAL B


ECHO LAKE
N
CRY 2
CRY 1
CRY 7
CRY 4
CRY 3
CRY 8
CRY 6
CRY 5
CRY 9
ES
18S
20S
22S
24S
26S
28S
30S
32S
34S
36S
38S
40S
42S
44S
46S
48S
50S
52S
54S
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5729 MAP 4
LEGEND
Soil sample location
Sample number
ppm Pb, ppm Zn
25 ppm Threshold
To accompany Assessment Report by N. L. Szabo
CRIN PROPERTY
SOIL GEOCHEMISTRY (Zn, ppm)
CRY 75-1 GROUP
Plate 4
December 1975

5729

COMINCO LTD.

EXPLORATION — WESTERN DIVISION

STATEMENT OF QUALIFICATIONS

I, I. Szabo was responsible for conducting the geochemical survey described herein. Mr. Szabo has a Bachelor's degree from the University of Connecticut and expects to receive his Ph.D. in the coming academic year from the University of New Brunswick. He has worked with the Mineral Deposits Branch and the Geological Survey of Canada, and I consider him a competent and experienced geochemist.

Signed: _____
O. Richardson, P. Eng.

LEGEND

- Soil sample location
- Sample number
- ppm Pb, ppm Zn
- 75ppm Threshold

CRIN PROPERTY — Center Sheet 93 N/15

SOIL GEOCHEMISTRY (Pb, ppm)
CAB 75-1 GROUP
To accompany Assessment Report by N.L. Szabo

Drawn by: ALM — Traced by: — Revised by: — Date: —

Scale: 1" = 400' — Date: December 1975 — Plate: 5

Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5729 MAP 5

CAB 1

CAB 2

CAB 4

CAB 8

CAB 9

CAB 16

CAB 11

CAB 13

CAB 18

CAB 17

CAB 20

CAB 19

CAB 22

CAB 21

JEMIMA CLAIMS 1-7

CRINOID CREEK

4500

5000

4000

LEGEND

- Soil sample location
- Sample number
- ppm Fe, ppm Zn
- 125 ppm Threshold

Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5729 MAP 6

CRIN PROPERTY

Center Sheet 93 N/15

Cominco

Drawn by: A.L.M. | Traced by:
Revised by: Date | Revised by: Date

SOIL GEOCHEMISTRY (Zn, ppm)
CAB 75-1 GROUP
To accompany Assessment Report by N. L. Szabo

Scale: 1" = 400' | Date: December 1975 | Plate 6