

COMINCO LTD.

EXPLORATION
NTS: 104N/14W

WESTERN DISTRICT

DRILLING REPORT ON THE

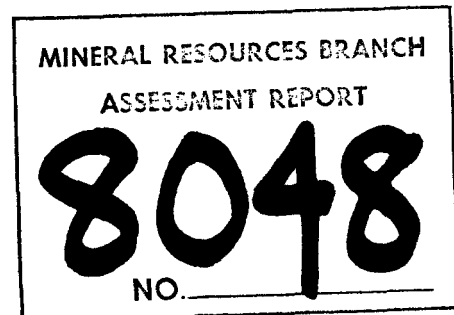
VOL CLAIM

ATLIN M.D.

LATITUDE 59°46'N; LONGITUDE 133°25'W

OWNED BY COMINCO LTD.

WORK PERFORMED: AUGUST 8 TO AUGUST 15, 1979



MAY 1980

B.M. MIODUSZEWSKA

TABLE OF CONTENTS

INTRODUCTION1
DRILLING1
ASSAYS1
CONCLUSIONS2

LIST OF ATTACHMENTS

PLATE 1:	LOCATION MAP	SCALE: 1:250,000
PLATE 2:	LOCATION MAP DDH's	1: 12,500
PLATE 3:	CROSS-SECTION DDH VOL #1	1:5
PLATE 4:	CROSS-SECTION DDH VOL #2	1:5
DRILL HOLE RECORD VOL #1		
DRILL HOLE RECORD VOL #2		
APPENDIX "A"	STATEMENT OF EXPENDITURES	
APPENDIX "B"	STATEMENT	
APPENDIX "C"	STATEMENT OF QUALIFICATIONS	

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WESTERN DISTRICT
13 MAY 1980

DRILLING REPORT ON THE

VOL CLAIM

ATLIN M.D.

INTRODUCTION

The Vol mineral claim lies 24 km north-northeast of Atlin, at the headwaters of Volcanic Creek. Access is by helicopter, or by road from Atlin to Volcanic Creek, then by trail along the creek. The Vol property is in the Yukon Plateau of the system Interior physiographic subdivision.

The Vol mineral claim was staked by Cominco and recorded on June 8, 1978. It is owned by Cominco Ltd. Geological mapping, soil sampling and limited rock sampling were carried out in 1978, and the results were submitted in an assessment report.

DRILLING

A diamond drilling program was carried out from August 8, 1979 to August 15, 1979. Two holes for a total of 96.6 metres were drilled in Volcanic Creek valley within 60 metres of the creek. Both were collared in overburden, then cut basalt, Tertiary sediments and intrusive. Drill hole records of both VOL #1 and VOL #2 are attached. *Core is at the drill site*

Both intervals of Tertiary sediments were assayed, but no values of U above background were obtained.

ASSAYS

<u>Drill Hole</u>	<u>Depth (metres)</u>	<u>U (ppm)</u>
VOL 1	30.18 - 30.79	3.5
VOL 1	30.79 - 31.40	3.4
VOL 1	31.40 - 32.93	5.1
VOL 1	32.93 - 34.45	5.0
VOL 1	34.45 - 35.97	4.4
VOL 1	35.97 - 37.50	3.6
VOL 1	46.34 - 47.86	6.7
VOL 1	47.86 - 49.39	5.3
VOL 2	10.97 - 11.58	0.2
VOL 2	11.58 - 12.19	0.6
VOL 2	12.19 - 12.80	2.8
VOL 2	12.80 - 13.11	0.9
VOL 2	13.11 - 13.72	2.0

<u>Drill Hole</u>	<u>Depth (metres)</u>	<u>U (ppm)</u>
VOL 2	13.72 - 14.02	0.8
VOL 2	14.02 - 14.63	1.6
VOL 2	14.63 - 14.94	1.8
VOL 2	14.94 - 15.55	1.5
VOL 2	15.55 - 16.16	2.0
VOL 2	16.16 - 16.77	2.8

CONCLUSIONS

The Vol property is fairly well situated, geologically speaking, in looking for a "Blizzard-type" uranium deposit. However, the fact that no above background values for uranium were obtained from the probable Tertiary sediments is discouraging.

Report by: Bartana Mioduszevska
B.M. Mioduszevska
Geologist

Endorsed by: R.Y. Watanabe
R.Y. Watanabe
Senior Geologist

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

BMM/gmk

List of Attachments:

Plate 1:	Location Map	Scale: 1:250,000
Plate 2:	Location Map DDH's	1: 12,500
Plate 3:	Cross-Section DDH VOL #1	1:5
Plate 4:	Cross-Section DDH VOL #2	1:5
Drill Hole Record VOL #1		
Drill Hole Record VOL #2		

Appendix "A" Statement of Expenditures
Appendix "B" Statement
Appendix "C" Statement of Qualifications

COMINCO LTD.

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WESTERN DISTRICT
13 MAY 1980

APPENDIX "A"

STATEMENT OF EXPENDITURES

TIME:

BMM - field	7 days	\$ 994.00
- office	2 days	284.00
- travel	1 day	142.00
RKS - field	7 days	609.00
- office	2 days	174.00
- travel	1 day	87.00

DRILLING:

Direct Costs (Contract)	10,810.80
Helicopter Moves	6,872.02

ACCOMMODATION:

(Atlin-Ruby Creek)	66.67
Travel to & from Atlin	107.79
Supplies (including food)	280.33

TRUCK:

Rental	143.81
Gas & Repairs	130.42

ASSAYS:

73.15

SUPERVISION:

RJN - 1 day	170.00
RYW - 1 day	190.00
	<u>\$21,134.99</u>

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WESTERN DISTRICT
13 MAY 1980

APPENDIX "C"

STATEMENT OF QUALIFICATIONS

I, B.M. Mioduszevska, with business address at 700-409 Granville Street, Vancouver, British Columbia, do hereby certify that I have supervised the drill program and have logged the drill core obtained from the said drilling which was carried out on the VOL PROPERTY during 1979.

I also certify that:

1. THAT I graduated from the University of British Columbia with a B.Sc. in Geology in 1970;
2. THAT I have practised in British Columbia and the Northwest Territories since 1970;
3. THAT I am a Fellow of the Geological Association of Canada.

Respectfully Submitted:

Bartara M. Mioduszevska
B.M. Mioduszevska, Geologist

COMINCO LTD.

EXPLORATION
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WESTERN DISTRICT
13 MAY 1980

APPENDIX "B"

IN THE MATTER OF THE B.C. MINERAL ACT AND
IN THE MATTER OF A DRILLING PROGRAM CARRIED OUT ON THE
VOL MINERAL CLAIM
LOCATED IN THE ATLIN MINING DIVISION
OF THE PROVINCE OF BRITISH COLUMBIA

S T A T E M E N T

I, BARBARA MARIA MIODUSZEWSKA, OF THE CITY OF VANCOUVER, IN THE PROVINCE OF BRITISH COLUMBIA, HEREBY DECLARE:

1. THAT I am employed as a geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked as Appendix "A" to this statement is a true copy of expenditures incurred on a drilling program carried out on the Tay mineral claims;
3. THAT the said expenditures were incurred for the purpose of mineral exploration of the above noted mineral claims between the 8th day of August and the 15th day of August, 1979.

Barbara M. Mioduszevska
B.M. MIODUSZEWSKA, GEOLOGIST

Drill Hole Record



Colour Plot & Dips

104-11-14

Property	VOL	District	Atlin	Hole No.	DDH VOL 1
Commenced	August 9, 1979	Location		Tests at	Hor. Comp.
Completed	August 11, 1979	Core Size	BQ	Corr. Dip	-90° Vert. Comp.
Co-ordinates				True Brg.	Logged by RKS & BMM
Objective				% Recov.	69 % Date August 11/79

Claim

T Brg.

Collar Dip -90°

Elev.

1,400 m

Length

49.39 m

Hole No. DDH VOL 1

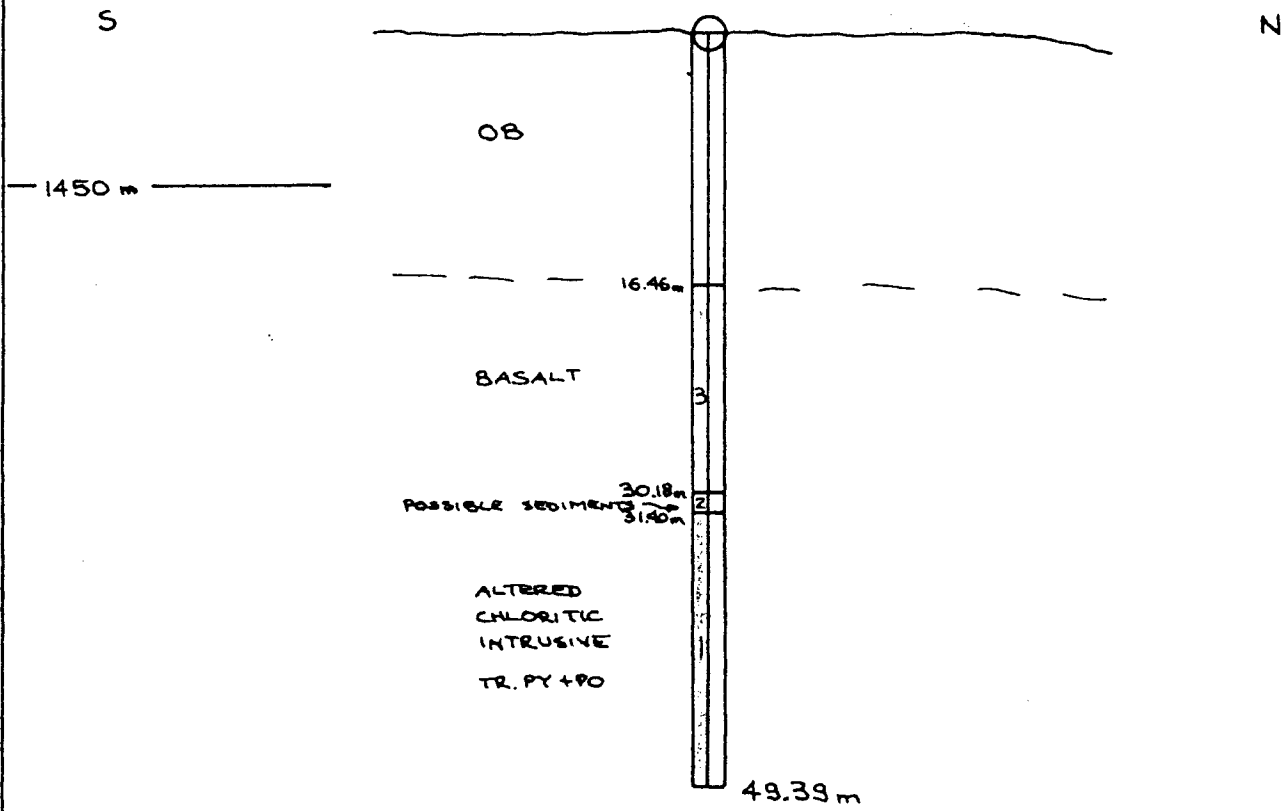
Sheet 1

From	To	Description	Sample No.	Length m.	Analysis
0	16.46	Overburden. Mixture of boulders and gravel; variety of rock types. Basalt to intrusive			Ultram
16.46	30.18	Basalt, dark grey-black, fine grained, massive with scattered ~10-15% small (1-2 mm Av) vesicules. Trace olivine. Occasional fracture. Recovery ~95%.			
30.18	31.40	Possible sediments, altered intrusive fragments, slightly oxidized, especially last 20 cm, with small amounts of sandy material between fragments. To be sampled 30.18-30.88 m and 30.88-31.40 m. Recovery ~50%.		30.18-30.74 30.74-30.77 31.40	35 34
31.40	49.39	Altered intrusive, a granite by composition with pronounced chloritic alteration ~25-30% dark green chlorite. Very finely fractured with chlorite and/or very fine py and po - total ~1-2%. Trace amounts of calcite also along fractures. Recovery ~69%. To be sampled: 31.40-32.93 m, 32.93-34.45 m, 34.45-35.97 m, 35.97-37.50 m.		31.40-32.93 32.93-34.45 34.45-35.97 35.97-37.50	5.1 5.0 4.4 3.6
				46.34 47.80 47.84 49.39	6.7 5.3

BMM

8048

VOL #1



LEGEND

- 3 BASALT, FLOWS, CINDERS
- 2 TERTIARY SEDIMENTS ?
- 1 INTRUSIVE

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8048
NO. _____



Drawn by: BMM		Traced by: RKS	
Revised by	Date	Revised by	Date

VOL PROPERTY

BMM

Drill Hole Record



Colour Plot & Dips

Property	VOL	District	Atlin	Hole No.	DDH VOL 2
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size	BQ	Corr. Dip	-90°
Co-ordinates				True Brg.	Logged by BMM
Objective				% Recov.	Date

Claim
T Brg.
Collar Dip -90°
Elev.

XXXXX METRES Footage From To	Description	Sample No.	Length	Analysis
0 - 7.32	Overburden			(Lppm)
7.32-10.98	Basalt scoraceous, vuggy (no olivine, no amygdules) ~19% recovery.			
10.98-14.94	Overburden - tertiary sediments. Boulders of intrusive (granite, granodiorite), weathered rusty orange colour; also boulders of basalt - small pieces left now 1-1½ cm to 3 cm. Some skarn? small pieces 1 cm. Orange coloured cinders, 1 cm-5 cm, and fine grained reddish sandstone.			
	To be sampled: 10.97-11.58 m Basalt pebbles, cinders and sandstone		0.2	
	11.58-12.19 Intrusive, pebbles, rusty, basalt		0.6	
	12.19-12.80 Intrusive boulder		2.8	
	12.80-13.11 Sandstone, reddish colour, pebbles		0.9	
	13.11-13.72 Granodiorite boulders		2.0	
	13.72-14.02 Mixture of pebbles - intrusive sandstone & (skarn?) & volcanics		0.8	
	14.02-14.63 Granodiorite, rusty coatings on surface, pebbles of sandstone		1.6	
	14.63-14.94 Weathered, fractured granodiorite could be bedrock surface.		1.8	
	Recovery 35%			
14.94-47.26	Granodiorite medium grained equigranular scattered fractures, more core near top with rusty coatings and/or chlorite			
	To be sampled: 14.94-15.55		1.5	
	15.55-16.16		2.0	
	16.16-16.77		2.8	

8048

BMM

Length
Hole No. VOL 2
Sheet

VOL #2

S

N

1450 m

BASALT
OUTCROPS
CREEK

OB

7.82m
BASALT 3
10.98m
MIXTURE OF OB,
TERTIARY SEDIMENTS,
INTRUSIVE BOULDERS 2
14.54m

GRANODIORITE 1

47.26 m

1400 m

LEGEND

3

BASALT, FLOWS,
CINDERS

2

TERTIARY SEDIMENTS ?

1

INTRUSIVE

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8048
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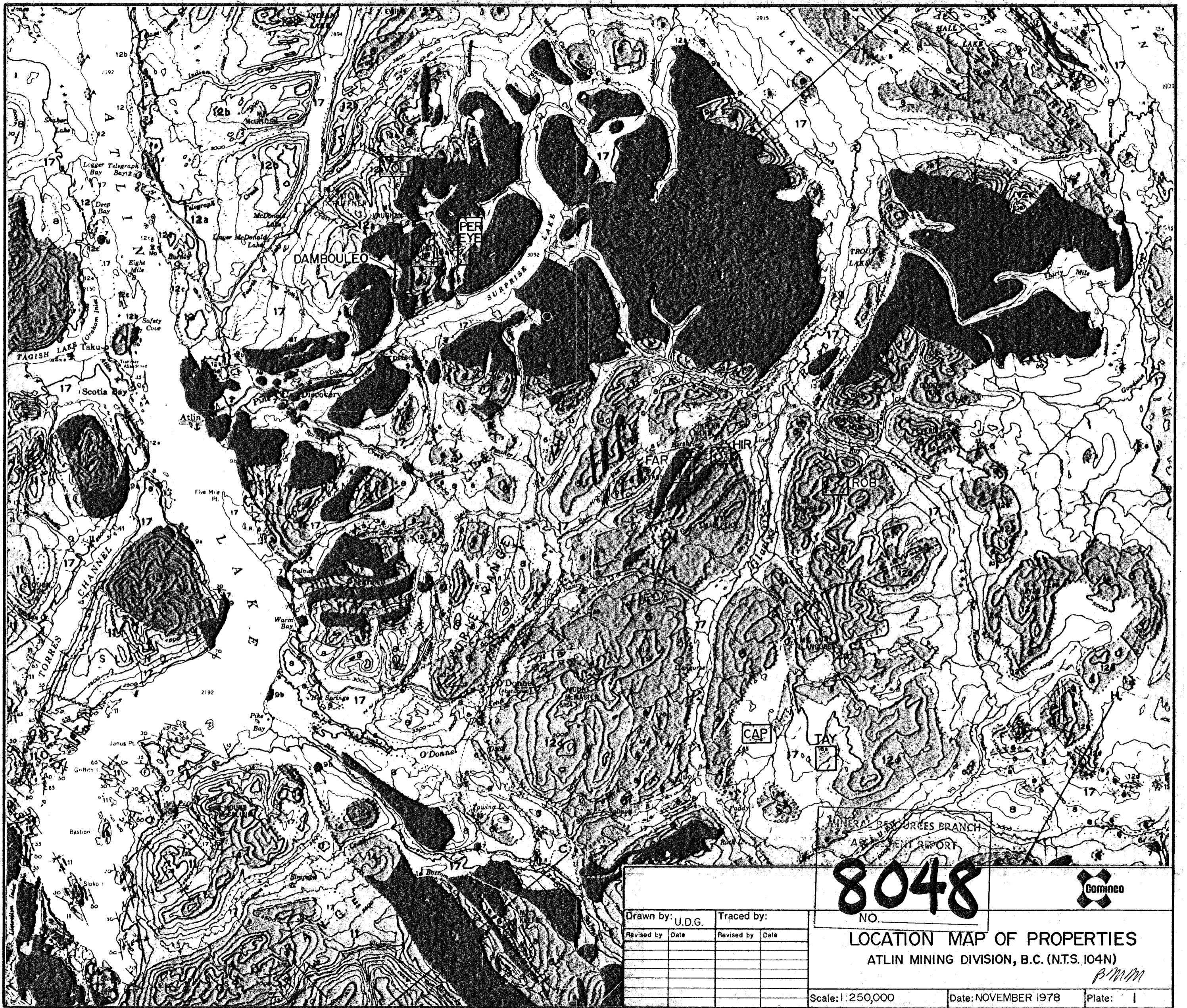
Drawn by	RKS	Traced by	
Revised by	Date	Revised by	Date

VOL PROPERTY

BMM

Scale 1:5

Date AUGUST 29/79 Sheet 4



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

8048
NO.



Drawn by:	U.D.G.	Traced by:	
Revised by	Date	Revised by	Date

LOCATION MAP OF PROPERTIES
ATLIN MINING DIVISION, B.C. (N.T.S. 104N)

BMM

Scale: 1:250,000

Date: NOVEMBER 1978

Plate: I

