COMINCO LTD.

EXPLORATION

WESTERN DISTRICT
JUNE 15, 1978

PERCUSSION DRILLING - REG PROPERTY

WORK ON REG 2 & 11, ACE NO. 1 AND CROWN GRANT 1560

GRANDVIEW SKI-HILL-AREA, KNUTSFORD

KAMLOOPS M.D., B.C.

LONGITUDE: 120°19'30" LATITUDE: 50°35'00"

WORK PERFORMED DURING PERIOD MAY 12 - JUNE 15, 1978

INTRODUCTION

This report describes a percussion drilling programme recently conducted on the REG Property in the Iron Mask batholith in south central B.C. This is a porphyry copper prospect of the alkaline variety. Great Plains Development Company of Canada Ltd. owns the property and Cominco Ltd. is the operator under terms of an August 20th, 1977 option agreement.

PREVIOUS WORK

During the early 1970's Great Plains conducted geological and geophysical programs on the I.M. claims which they held under option and their own REG, BYR claims and Crown Grants 1560, 61 and 62 also owned by Great Plains. This work also included considerable diamond and percussion drilling on targets within the above-noted claims and crown grants.

DRILLING TARGETS

Cominco Ltd. tested induced polarization anomalies indicated by the geophysical survey of Great Plains and partially tested by their own drilling. Cominco Ltd. considered the area to be of interest because of the occurrence of favourable host rocks which have been fractured, altered and mineralized. Mineralization occurring in and around incompletely tested I.P. anomalies indicated that further drilling ought to be carried out.

PERCUSSION DRILLING

A total of 488 m (1610 feet) in 7 holes ranging in depth from 61 to 91 m (200 - 300 feet) were carried out on REG 2 & 11 and ACE No.1 M.C.'s and Crown Grant 1560. The cuttings were samples at an interval of ten feet (3.3m)

throughout the bedrock sections. The samples were strained of much of their contained water with the aid of filter bags, then packed in plastic bags and taken to the Vancouver Laboratory of Cominco Ltd. for routine geochem. (A.A) analytical procedures. Selected samples containing better than normal grade copper mineralization were sent to General Testing Laboratory for check assay.

Selected drill cuttings were examined briefly at the drill site using a ten power hand lens. This type of examination is capable of identifying major rock units, alteration, and type and approximate amounts of sulphide present. This data is presented under Rock Description.

ROCK DEFINITION

For the purposes of this report the Cherry Creek and Sugarloaf units are distinguished on "monzonitic" vs "dioritic" appearance. The distinction here applied depends on the relative abundance of pink feldspar (some of which may be plagioclase), since neither of these rocks contain appreciable quartz, and the distinction on the basis of the shape of the mafics (Ken Northcote,personnel communication), is applied with difficulty to cuttings.

ROCK DESCRIPTION

PH REG 78-1 (Elevation: 3400'; Depth: 60.6 m)

Interval	Lithology	Description
0 - 5' (0 - 1.5 m)	Overburden	
5 -100' (1.5 -30.3 m)	Cherry Creek Unit	Monzonitic intrusive, abundant kspar and epidote, 3% pyrite, minor chalcopyrite.
100-110' (30.3-33.3 m)	Sugarloaf Unit	Strongly epidotized, dioritic looking-rock (low kspar). Fairly heavy chalcopyrite. est 0.5 to 0.8% Cu cpy$\gg$py.
110-200' (33.3-60.6 m)	Sugarloaf Unit	Similar to 100-110' but containing only minor chalcopyrite, 1-2% pyrite, generally, but occasionally up to 3% in some samples. Strongly epidotized.

PH REG 78-2 (Elevation: 3390'; Depth: 91 m)

Interval	Lithology	Description
0 - 5' (0 - 1.5 m)	Overburden	
5 -300' (1.5 - 91 m)	Sugarloaf Unit	Dioritic-looking intrusive. Contains minor kspar, has abundant epidote (3%), chloritized matrix. Generally 1% pyrite but pyrite decreases to <½% at the bottom of the hole. 3-4% fine grained magnetite, traces of chalcopyrite.

PH REG 78-3 (Elevation: 3400'; Depth: 61 m)

0 - 5' (0 - 1.5 m)	Overburden	
5 -200' (1.5 - 61 m)	Sugarloaf Unit	Dioritic intrusive with very little kspar. Pyrite ½%. Minor epidote. Traces of chalcopyrite.

PH REG 78-4 (Elevation: 3350'; Depth: 61 m)

0 - 5' (0 - 1.5 m)	Overburden	
5 - 70'(1.5 -21.2 m)	Sugarloaf Unit	Fresh dioritic looking intrusive containing ½% pyrite, minor kspar and traces of chalcopyrite.
70 -100' (21.2-30.3 m)	Cherry Creek Unit	Kspar-rich intrusive with 2-3% pyrite.
100-130' (30.3-39.39m)	Cherry Creek Unit	Chloritized mafics. Abundant ksapr <½% pyrite. Trace chalcopyrite.
130-200' (39.39-61 m)	Cherry Creek Unit	Abundant kspar, 1-2% pyrite less towards bottom of hole. chloritic mafics.

PH REG 78-5 (Elevation: 3200'; Depth 61 m)

0 - 25' (0 - 7.6 m)	Overburden	

Interval	Lithology	Description
25 -200' (7.6- 61 m)	Cherry Creek Unit	Abundant kspar, 1% pyrite minor epidote, $<\frac{1}{2}\%$ pyrite, chloritized mafics, trace chalcopyrite.
PH REG 78-6 (Elevation: 3175'; Depth 73 m)		
0 - 14' (0 - 4.2 m)	Overburden	
14 - 60' (4.2- 18 m)	Sugarloaf Unit	Dioritic looking intrusive containing very little kspar, $<\frac{1}{2}\%$ pyrite, minor chalcopyrite, mafics chloritized. Plagioclase possibly kaolinized as drill sludge runs milky white.
60 - 70' (18 -21.2 m)	Sugarloaf Unit	Dioritic intrusive containing heavy chalcopyrite estimated 2% Cu.
70 -200' (21.2- 61 m)	Cherry Creek Unit	Abundant kspar, minor chalcopyrite, 1% pyrite at 110-120'. $<\frac{1}{2}\%$ pyrite by 200', milky white sludge near end of hole.
200-240' (61 - 73 m)	Leucocratic intrusive	Plagioclase slightly altered, very little kspar $\ll\frac{1}{2}\%$ pyrite. Traces of chalcopyrite.
PH REG 78-7 (Elevation: 3100'; Depth: 81.8 m)		
0 -74' (0 -22.4 m)	Overburden	
74 -270' (22.4-81.8 m)	Cherry Creek Unit	Chloritized mafics throughout. Sludge usually is milky white indicating possible kaolinization. $\ll\frac{1}{2}\%$ pyrite, traces of chalcopyrite.

CONCLUSIONS

Short intersections of interesting copper mineralization are encountered in REG 78-1 and 6. Further work is required to determine the structure, the grade and extent of this mineralization. A number of additional

percussion holes are planned for the area between the two above noted intersections, where the I.P. responses are somewhat weaker than the areas drilled. A difference in the relative proportion of pyrite and copper sulphides could explain the indicated differences in I.P. response. Economically significant mineralization could be present if the pyrite content were low.

Report by: R.U. Bruaset, B.Sc.
Project Geologist

Endorsed by: F.L. Wynne, B.Sc.
Senior Geologist

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

RUB:gk

Attachments:

Index Map - Plate 1
Drilling Plan - Plate 2
Statement of Qualifications
Statement of Expenditure
Assay Sheets

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT
June 15, 1978

EXHIBIT "A"

STATEMENT OF EXPENDITURE

(Work Performed May 12 - June 15, 1978)

Alan Miller Percussion Drilling Ltd. 1610 feet (488 m) @ $3.60/foot ($11.88/m)	$5,796.
Miscellaneous Assaying, sample bags, sampling equipment	925.
Salary - R.U. Bruaset - 10 days	1,300.
- F.J. Ferguson - 4 days	290.
Transportation	240.
Domicile	237.
	$8,788.

Cost/foot = $ 5.46

Cost/meter = $18.02

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

IN THE MATTER OF THE B.C. MINERAL ACT
IN THE MATTER OF A PERCUSSION DRILLING PROGRAMME
CARRIED OUT ON THE REG PROPERTY
LOCATED IN THE KNUTSFORD AREA
IN THE KAMLOOPS M.D.
PROVINCE OF BRITISH COLUMBIA
MORE PARTICULARLY N.T.S. 92 I/9W

A F F I D A V I T

I, RAGNAR U. BRUASET, of the City of Vancouver in the Province of British Columbia, make oath and say:

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 "Exhibit A" to this my affidavit is a true copy of expenditures incurred on percussion drilling on the REG Property;

3. THAT the said expenditures were incurred between the 12th day of May - 15th of June, 1978 for the purposes of mineral exploration on the above noted property.

SWORN BEFORE ME AT THE CITY OF VANCOUVER IN THE PROVINCE OF BRITISH COLUMBIA THIS 20th DAY OF June 1978.

A Commissioner for taking Affidavits in British Columbia

RAGNAR U. BRUASET

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

I, RAGNAR U. BRUASET, with business address at 409 Granville Street, Vancouver, British Columbia, V6C 1T8, do hereby certify that I have supervised the percussion drilling programme on the REG Property.

I also certify that:

1. I am a graduate of the University of British Columbia with a degree of B.Sc. in Geology 1967.

2. That I have been involved in exploration work for Cominco Ltd. since 1967 and that I have been involved in all phases of porphyry copper exploration and development since 1968 to the present.

3. That I have been closely involved with the exploration work on the REG Property during the period 1977 to the present.

Respectfully submitted:

R.U. Bruaset, B.Sc.
Project Geologist

REG PROPERTY R. BRUSSET

E.R.LAB JOB NO. 1398 REPORTING DATE 7 JUNE 1978

ROCK SERIES		Cu ppm	(CHECK SAMPLE)	FOOTAGE	
R78 02540	87359	183		5'-20'	
R78 02541	87360	390		20'-30'	
R78 02542	87361	165		30'-40'	
R78 02543	87362	182		40'-50'	
R78 02544	87363	155		50'-60'	
R78 02545	87364	172		60'-70'	
R78 02546	87365	184		70'-80'	
R78 02547	87366	315		80'-90'	
R78 02548	87367	510		90'-100'	REG 78-1
R78 02549	87368	7450	(7500)	100'-110'	OVERBURDEN
R78 02550	87369	270		110'-120'	0-5'
R78 02551	87370	274		120'-130'	
R78 02552	87371	422		130'-140'	
R78 02553	87372	330		140'-150'	
R78 02554	87373	394		150'-160'	
R78 02555	87374	302		160'-170'	
R78 02556	87375	367		170'-180'	
R78 02557	87376	344		180'-190'	
R78 02558	87377	278		190'-200'	END
R78 02559	87378	300	(313)	5'-20'	
R78 02560	87379	306		20'-30'	
R78 02561	87380	164		30'-40'	
R78 02562	87381	324		40'-50'	
R78 02563	87382	184		50'-60'	
R78 02564	87383	368		60'-70'	
R78 02565	87384	516		70'-80'	
R78 02566	87385	670	(686)	80'-90'	
R78 02567	87386	314		90'-100'	
R78 02568	87387	251		100'-110'	
R78 02569	87388	98		110'-120'	
R78 02570	87389	144		120'-130'	
R78 02571	87390	118		130'-140'	
R78 02572	87391	128		140'-150'	
R78 02573	87392	161		150'-160'	REG 78-2
R78 02574	87393	286		160'-170'	OVERBURDEN
					0-5'

		Cu ppm	(CHECK SAMPLE)	FOOTAGE	
R78 02575	87394	559		170'-180'	
R78 02576	87395	200		180'-190'	
R78 02577	87396	200		190'-200'	
R78 02578	87397	550		200'-210'	
R78 02579	87398	336	(326)	210'-220'	
R78 02580	87399	170		220'-230'	
R78 02581	87400	162		230'-240'	
R78 02582	87401	110		240'-250'	
R78 02583	87402	194		250'-260'	
R78 02584	87403	113		260'-270'	
R78 02585	87404	780		270'-280'	
R78 02586	87405	225		280'-290'	
R78 02587	87406	200		290'-300'	END
R78 02588	87407	380		5'-20'	
R78 02589	87408	615		20'-30'	
R78 02590	87409	510	(520)	30'-40'	
R78 02591	87410	586		40'-50'	
R78 02592	87411	1160		50'-60'	
R78 02593	87412	1130		60'-70'	
R78 02594	87413	412		70'-80'	
R78 02595	87414	340		80'-90'	
R78 02596	87415	630		90'-100'	REG 78-3
R78 02597	87416	575		100'-110'	OVERBURDEN
R78 02598	87417	537	(505)	110'-120'	0-5'
R78 02599	87418	457		120'-130'	
R78 02600	87419	373		130'-140'	
R78 02601	87420	650		140'-150'	
R78 02602	87421	580		150'-160'	
R78 02603	87422	535		160'-170'	
R78 02604	87423	386		170'-180'	
R78 02605	87424	324		180'-190'	
R78 02606	87425	247		190'-200'	END
R78 02607	87426	320		5'-20'	
R78 02608	87427	290		20'-30'	
R78 02609	87428	780		30'-40'	
R78 02610	87429	645	(680)	40'-50'	
R78 02611	87430	840	(840)	50'-60'	
R78 02612	87431	1500		60'-70'	REG 78-4
R78 02613	87432	446		70'-80'	OVERBURDEN
R78 02614	87433	465		80'-90'	0-5'
R78 02615	87434	560		90'-100'	

REG PROPERTY		Cu ppm	(CHECK SAMPLE)	FOOTAGE	
R78 02616	87435	560		100'-110'	
R78 02617	87436	710		110'-120'	
R78 02618	87437	870		120'-130'	
R78 02619	87438	1470		130'-140'	
R78 02620	87439	1520		140'-150'	
R78 02621	87440	800		150'-160'	
R78 02622	87441	710		160'-170'	
R78 02623	87442	2290		170'-180'	
R78 02624	87443	1570		180'-190'	
R78 02625	87444	670		190'-200'	END
R78 02626	87445	316		25'-40'	
R78 02627	87446	307		40'-50'	
R78 02628	87447	324		50'-60'	
R78 02629	87448	325		60'-70'	
R78 02630	87449	566	(560)	70'-80'	
R78 02631	87450	1700		80'-90'	
R78 02632	87451	296		90'-100'	
R78 02633	87452	406		100'-110'	REG 78-5
R78 02634	87453	550		110'-120'	OVERBURDEN
R78 02635	87454	400		120'-130'	0-25'
R78 02636	87455	450		130'-140'	
R78 02637	87456	385		140'-150'	
R78 02638	87457	510		150'-160'	
R78 02639	87458	345		160'-170'	
R78 02640	87459	296	(318)	170'-180'	
R78 02641	87460	222		180'-190'	
R78 02642	87461	327		190'-200'	END
R78 02643	87462	218	(209)	14'-30'	
R78 02644	87463	500		30'-40'	
R78 02645	87464	647		40'-50'	
R78 02646	87465	1440		50'-60'	
R78 02647	87466	41000	(37600)	60'-70'	
R78 02648	87467	1690		70'-80'	
R78 02649	87468	1170		80'-90'	
R78 02650	87469	760		90'-100'	
R78 02651	87470	335		100'-110'	
R78 02652	87471	200		110'-120'	
R78 02653	87472	377		120'-130'	
R78 02654	87473	285		130'-140'	REG 78-6
R78 02655	87474	193		140'-150'	OVERBURDEN
R78 02656	87475	254		150'-160'	0-14'

		Cu ppm	(CHECK SAMPLE)	FOOTAGE	
R78 02657	87476	645		160'-170'	
R78 02658	87477	1120		170'-180'	
R78 02659	87478	460		180'-190'	
R78 02660	87479	490		190'-200'	
R78 02661	87480	426		200'-210'	
R78 02662	87481	248	(235)	210'-220'	
R78 02663	87482	474		220'-230'	
R78 02664	87483	266		230'-240'	END
R78 02665	87484	144		74'-90'	
R78 02666	87485	172	(168)	90'-100'	
R78 02667	87486	231		100'-110'	
R78 02668	87487	173		110'-120'	
R78 02669	87488	138		120'-130'	
R78 02670	87489	159		130'-140'	
R78 02671	87490	116	(121)	140'-150'	
R78 02672	87491	98		150'-160'	
R78 02673	87492	87		160'-170'	REG 78-7
R78 02674	87493	87		170'-180'	OVERBURDEN
R78 02675	87494	102		180'-190'	0-74'
R78 02676	87495	114		190'-200'	
R78 02677	87496	94		200'-210'	
R78 02678	87497	128		210'-220'	
R78 02679	87498	118	(117)	220'-230'	
R78 02680	87499	132		230'-240'	
R78 02681	87500	123		240'-250'	
R78 02682	87501	100		250'-260'	
R78 02683	87502	103	(100)	260'-270'	END

REG PROPERTY RU BRUAS JT

E.R.LAB JOB NO. 1398

ROCK SERIES

		Ag ppm	Au ppb	Mo ppm	PERCUSSION HOLE NO.
R78 02702	R78 2540-48	<.4	<10	2	REG 78 - 1
R78 02703	R78 2550-58	<.4	<10	3	REG 78 - 1
R78 02704	R78 2559-2587	<.4	20	3	REG 78 - 2
R78 02705	R78 2588-2606	<.4	<10	6	REG 78 - 3
R78 02706	R78 2607-2625	<.4	<10	3	REG 78 - 4
R78 02707	R78 2626-2642	<.4	<10	6	REG 78 - 5
R78 02708	R78 2643-46	<.4	<10	4	REG 78 - 6
R78 02709	R78 2646-2664	<.4	<10	25	REG 78 - 6
R78 02710	R78 2665-2683	<.4	130	<2	REG 78 - 7

Consult attached General Testing Laboratory's Certificate of Assays No. 7806-0850 dated June 9, 1978 for further check samples.

GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD
1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:
COMINCO EXPLORATION RESEARCH LAB.
1486 East Pender Street
Vancouver, B.C.

CERTIFICATE OF ASSAY

No.: 7806-0350 DATE: June 9/78

We hereby certify that the following are the results of assays on: Pulp

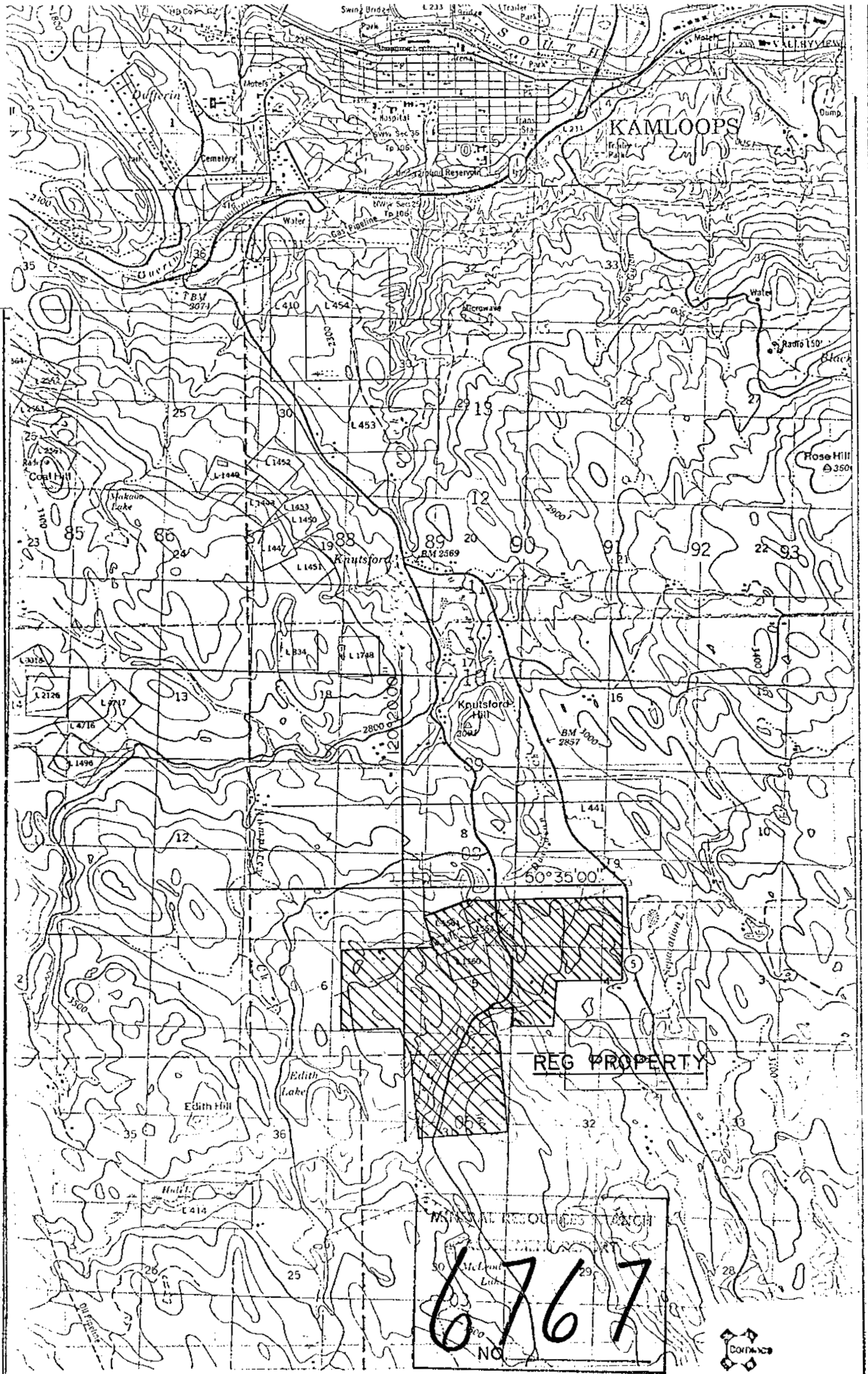
MARKED	xxxxxxxxxx		Copper	xxx	xxx	xxx	xxx	xxx
			Cu (%)					
2549			0.74					
2646			0.14					
2647			3.78					
2648			0.16					
2649			0.11					
2619			0.15					
2620			0.16					
2621			0.09					
2622			0.08					
2623			0.23					
2624			0.16					

Reg Property
Job 1398 R
R V Bruneau

E: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

L. WONG
PROVINCIAL ASSAYER

COPY



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

N.T.S. 92 I/9W.

REG PROPERTY

GRANDVIEW SKI HILL AREA - KAMLOOPS M.D., B.C.

INDEX MAP

Scale: 1:50,000 | Date | Plate 1

120° 20'00" W

50° 35'30"N

0 Baseline

50 S

REG 10

L 1561

L 1562

REG 4

REG 6

REG 8

old drill hole

Road

REG 78-5

old drill hole

ACE No 1

REG 78-6

REG 7

REG 9

BYR 9

BYR 8

R-8-77-3

R-8-77-2

R-8-77-1

REG 78-4

REG 2

REG 78-3

REG 3 Fr

L 1560

REG 5

1 P REG 1

REG 78-1

REG 78-2

BYR 10

BYR 7

VARIOUSLY IM 58, EL, AND 40

REG 14

REG 12

Road

REG 78-7

REG 11

BYR 4

1 P REG 13 Fr

REG 13

BYR 5

BYR 2

BYR 3

BYR 1

S.W. CORNER OF THE LOT 1561 S.E. END OF EDITH LAKE IS 2000m at 204°

• Percussion drill hole

SCALE

0 400 800

METRES

L 40 W

0+00

L 40 E

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6767

REG - BYR OPTION

Cominco 92 I/9W

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

Claim Map

Scale: 1" = 1000' | Date: AUGUST, 1977 | Plate: 2