EXPLORATION

N.T.S.: 921/10E

WESTERN DISTRICT

DIAMOND DRILLING REPORT

RAG-APOLLO 75-1 GROUP

GREENSTONE MTN. AREA

KAMLOOPS M.D.

OCTOBER 28, 1975

R.U. BRUASET B.Sc.

PERIOD OF WORK

1 SEPTEMBER - 2 OCTOBER 1975

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5673 MAP

IN THE MATTER OF THE

B.C. MINERAL ACT

IN THE MATTER OF A DIAMOND DRILL PROGRAMME

CARRIED OUT ON THE MINERAL CLAIM

RAG 73

OF THE RAG-APOLLO 75-1 GROUP

LOCATED IN THE GREENSTONE MTN. AREA

IN THE KAMLOOPS MINING DIVISION

PROVINCE OF BRITISH COLUMBIA

MORE PARTICULARLY NIS 921/10E

AFFIDAVIT

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

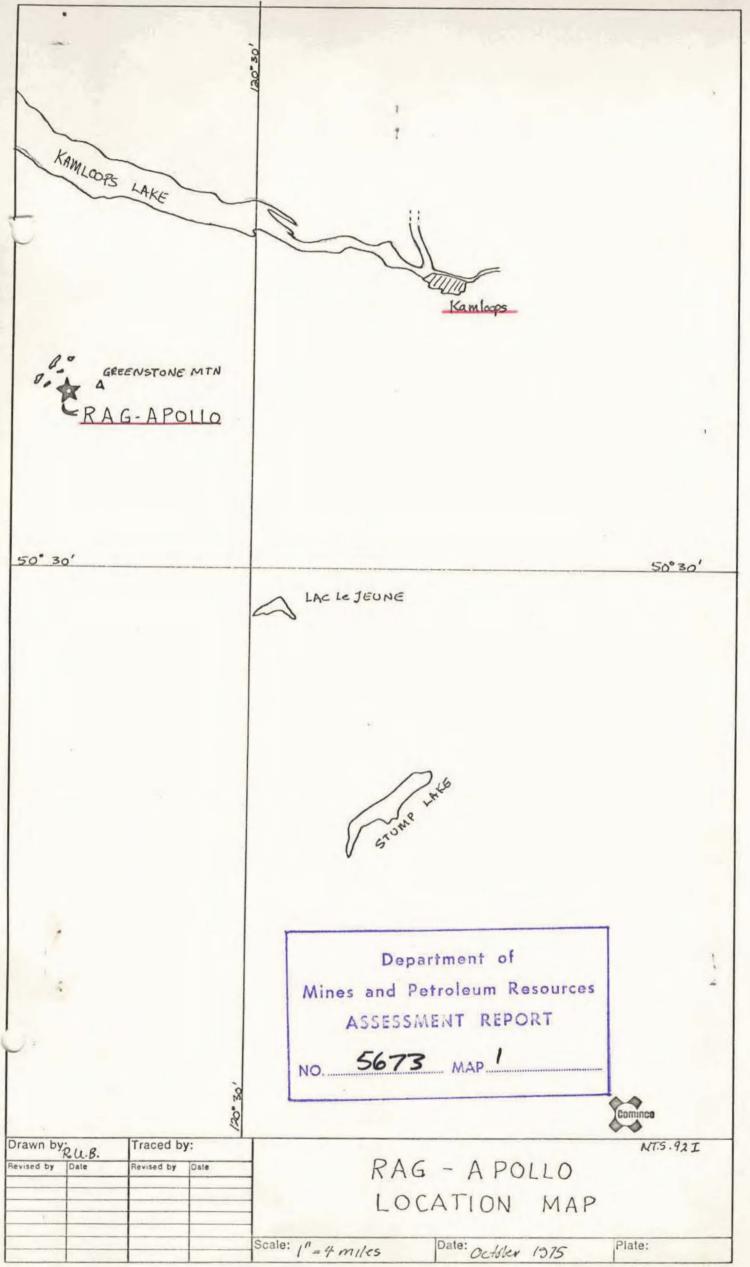
- That I am employed as a geologist by Cominco Ltd. and, as such, have a personal knowledge of the facts to which I hereinafter depose;
- 2. That annexed hereto and marked as "Exhibit A" to this my affidavit is a true copy of expenditures incurred on diamond drilling on mineral claim Rag 73;
- 3. That the said expenditures were incurred between the 1st day of September, 1975 and the 20th day of October, 1975 for the purpose of mineral exploration on the above noted claims.

of British Columbia this 22 nd day of October 1975
October 1975

RAGNAR U. BRUASET

A NOTARY PUBLIC IN AND FOR THE)

PROVINCE OF BRITISH COLUMBIA



EXPLORATION N.T.S. 921

WESTERN DISTRICT 20 October 1975

COST STATEMENT

RAG PROPERTY

GREENSTONE MOUNTAIN AREA

KAMLOOPS M.D., B.C.

Contract Charges 892 feet @ 14.28/foot Shepherd Enterprises Ltd.	\$	12,739
Supervision - R.U. Bruaset Period: Sept. 15-October 20/75 27 days @ 110.00/day		2,970
Domicile		852
Miscellaneous charges: building material, equipment repairs, car rental, telephone, reproduction and material consumed		451
Surface Transportation Truck rental (Redhawk Lease) 36 days @ \$39.25/day		1,413
	-	
TOTAL COST:	\$	18,425
OVERALL COST PER FOOT: $\frac{$18,425}{892!} = $20.66/foot$	ot.	

THIS IS EXHIBIT "A" TO THE STATUTORY DECLARATION OF EXPENDITURE RELATING TO THE DIAMOND DRILLING PROGRAM DECLARED BEFORE ME ON THE ________ DAY OF OCTOBER, 1975 A.D.

A NOTARY PUBLIC IN AND FOR THE PROVINCE OF BRITISH COLUMBIA.

EXPLORATION

WESTERN DISTRICT
20 OCTOBER 1975

STATEMENT OF QUALIFICATIONS

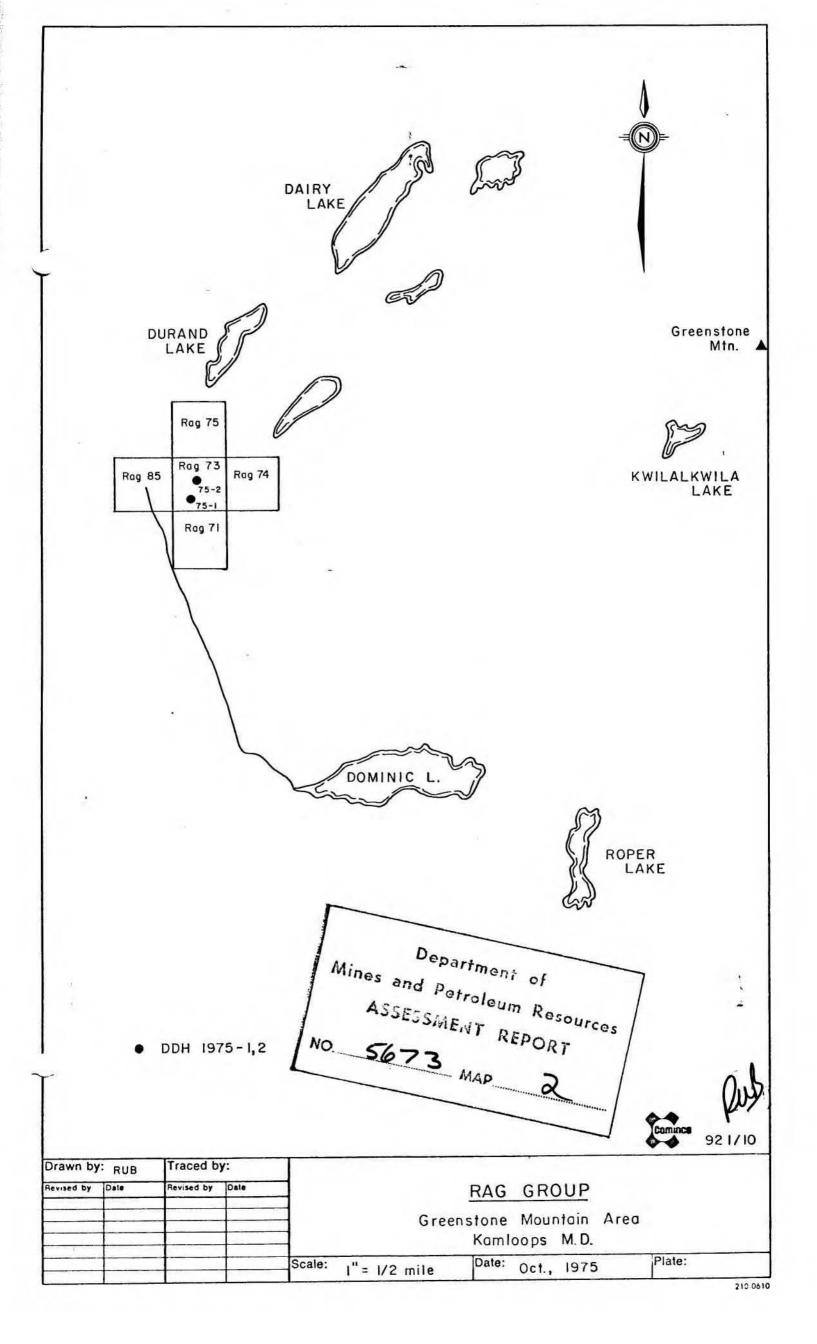
I, R. U. Bruaset, with business address at 2200-200 Granville Square, Vancouver, British Columbia, V6C 2R2, do hereby certify that I have supervised the diamond drilling programme and the logging of the drill core, and have assessed and interpreted the data resulting from said programme on the Rag Property.

I also certify that:

- 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 most 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 Rag property during 1969, 1970 and 1975.

Respectfully submitted:

R.Ú. Bruaset Project Geologist



DRILL DATA FOR DIAMOND DRILL HOLES

ON THE RAG-APOLLO GROUP

HOLE	LOCATION	CLAIM GROUP	DIP	BEARING	DEPTH	CORE	UNIT	TOTAL	CREDITS
75-1	RAG 73	Rag-Apollo 75-1	-90°		370	BQ	\$20.66	7644.20	38.22 years
75-2	RAG 73	Rag-Apollo 75-1	-90°		522	BQ	\$20.66	10784.52	53.92 years
				Total:	892			\$18428.72	92.14

All drill cores are stored in core shack on RAG 73 M.C.

The locations of the holes have been determined by chain and compass and the elevation of the holes have been determined by altimeter.

Approved for

Release by:

W. T. Irvine, P.Eng.

RUB/pm

28 October 1975

Property RAG	GROUP	District Kamloops M.D.	Hole No.	75-1	Cominco		R	1			
Commenced Se	eptember 22, 1975	Location Grid 1	Tests at	Not tested	Hor. Comp.	_	62	2 ~			
Completed Se	eptember 27, 1975	Core Size BQ	Corr. Dip		Vert. Comp.	370	**	7	. 5	-90,	180
	5 + 25E 3+10N Relat		True Brg.	-		R.U.Bruas	get	RAG	did	46	
		to the 270 - 300' foot leve		87%	Date Sept. 23	A SER PASSA		_	T Brg. Collar D	Elev.	Lonoth
Footage From To	Description					Sample No.	Length	A			
0 - 116.5	Overburden. No s	secondary copper minerals su	uch as malachite,	azurite, etc. at }	sed rock overburder	.1					
	interface. Overh	burden drilled with mud. No	special problem	in overburden. Re	emainder of hole						
		h mud. Very difficult drilli									
			1								1
116.5 - 252	Generally fine gr	rained greenish grey Nicola	volcanics. Massiv	e. Probably flow	includes variously						1
		on with angular fragments us									
		tain abundant magnetite betw									
		pyrite. Copper content is									T
		cur as disseminations and fr									1
											1
											1
		Sec. 1996						1			-
	Z minute		WW-940				1				
						1	1	+	1	-	+
						+	-	+		+	-
								1-1	-	-	+
								1-1		-	+
-						-	-				-
				3		_		-		-	-
											_
								-			
Carlotte and the second	\	Association of the second seco									

Drill Hole Record Colour Plot & Dips Shart Hole No. District Property RAG GROUP 75-1 Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Dip Pole No. Co-ordinates True Brg. Logged by Length Brg. Collar Claim TEXTURE MAGNETISM Date Elev. GRAIN SIZE A = NONAnalysis A = APHANITIC CORE ANGLE MAGNETIC Sample Length B = FINE No. bn/MoS2 OF B = WEAKHABIT OF GRAINED ABSENTOR C = MODERATE MINERALI-MINERALI-RECOVERY C = MEDIUM CDY:DY FOOTAGE PRESENT ALTERATION D = STRONG NOTE ZATION ZATION Generally C, Occasionally Fracture fills + dissemina-5°, 15° 4.5 4.5 1:3 No/No 116.5 - 121Plagioclase 4775I soft to D, (seams and clotts of magnetite (200, 700) knife. tion. Maric altered to chlorite. Soft Plagioclase B 50° 2:1 11.5 - 132.5 11.5 4776I 121 No/No relative to knife, mafics chloritized Calcite gangue with secondary brown biotite in heavily mineralized interval 121-122. Disseminated Local 7.5 C - Dcpy shows brecciation 4777I 7.5 132.5 - 140No/No 1:4 with angular fragments of affinity toward adjacent rock calcite & magnetite. Cpy in matrix срух ру

scale Drill Hole Record Colour Plot Sheat Property RAG GROUP District Hole No. 75 - 1Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Hale No.75-Collar Dip Co-ordinates True Brg. Logged by Length T Brg. Claim Date MAGNETISM TEXTURE GRAIN SIZE A = NONAnalysis A = APHANITICCORE ANGLE MAGNETIC Sample Length 116.5 - 252 Cont'd) OF B = FINE bn/MoS2 No. B = WEAK HABIT OF GRAINED ABSENTOR MINERALI-C = MODERATE MINERALI-RECOVERY C = MEDIUM FOOTAGE PRESENT CDY: DY ZATION ALTERATION D = STRONG ZATION NOTE Chloriti-zation of Dissemina-ted euhedral 140 140 - 150 10 C to 144. No/No 4778I 10 рy pyrite. No brecciation then B only. mafics. Plagioclase over 6". fracture soft to knife. Bleaching (unmineral-zed). control along fractures. Epidote ** fractures begin to appear at 144. No cpy or py with epidote. cpy shows Epidote Dissemin-- 158 8 develop-Fe₃ 04 in breccia. 150 B. Generally 10:1 No/No ated cpy + affinity to 4779I py in breccia brecciated ment in breccia with fragments breccia. where of adjacent rock. A few ground magnetite occurs with K-spar occurs in mass fragments are pink. or without veinlets. More calcite (possibly due to fine K-spar where the gangue. grained hematite in local copper content is highest. plagioclase) Between fragments occurs finer grained fragments and magnetite. *** ****

Scale Drill Hole Record Cominco Colour Plot & Dips Property RAG GROUP District Hole No. 75 - 1Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Dip Co-ordinates True Brg. Logged by Holy No Length Collar Brg. Claim MAGNETISM TEXTURE Date Elev. GRAIN SIZE A = NONCORE ANGLE A = APHANITICAnalysis MAGNETIC Sample Length 116.5 - 252 Cont B = FINE bn/MoS2 OF B = WEAK No. HABIT OF GRAINED ABSENTOR C = MODERATE MINERALI-MINERALI-RECOVERY C = MEDIUM FOOTAGE PRESENT ZATION ALTERATION CDY: DY D = STRONGZATION NOTE 60° core angle of C to D magnetite Softening of plagioclase Dissemin-158 - 169 11 No/No срууру 4780I 11 ated cpy breccia, chloritizseams with and small contact cpy ation. associated clotts. in fracture 300. сру. 169 - 177 8 No/No сру))) ру As above. Epidote As above. 8 As above. 4781I fractures. 170 - 177 of breccia of plague contact 500 lase and chloritiza-Softening of plagioc- D Core angle - 185 8 Breccia as No/No сруу ру As above. 8 Calcite 4782I 150 - 158. vugs. tion of with cpy @ mafics epidote is common. K-spar development noted increasingly Cpy diss-emination Generally Fracture @ Secondary 185 - 199 14 B. Minor No/No 700 срууру K-spar 4783I | 14 brecciation in areas of K-spar, apparently on the magnetite and calcite increase. in narrow sections of brecciation

Scale Scale Colour Plot A Dips Scale Colour Plot A Dips	Drill Hole R	ecord				.,		4	Co	minco	
Pri o	Property RAG (GROUP		District			Hole No.	75-1	~	~	
	Commenced			Location	1		Tests at	500	Ho	or. Comp.	
	Completed			Core Siz	ze		Corr. Dip			ert. Comp.	-11
	Co-ordinates						True Brg.			gged by	
			TEXTURE					MAGNETISM		ate	
			GRAIN SIZE					A = NON			
	116.5 - 252 Con	-'d.	A = APHANIT B = FINE	rc	bn/MoS2	CORE ANGLE OF		MAGNETIC B = WEAK	HABIT OF		Sample No.
	FOOTAGE		C = GRAINED MEDIUM	сру:ру	ABSENTOR PRESENT	MINERALI- ZATION	ALTERATION	C = MODERATE	MINERALI- ZATION	NOTE	
	199 - 210	11	Mainly breccia.	сру≫ру	No/No	30°	Strong epidote	D	Dissemin- ated	202':a two	47841
			Individual sections a few feet thick			ę.	Strong epidote development in breccia. Some secon-			inch brecci fragment cu by K-spar fractures	a
			separated by medium		1		Some secon- dary brown biotite development			prior to brecciation	1.
			grained volcanic rock.				Softening of plagio- clase and			Unmineral- ized.	
						3 20 1	chloritiz- ation of mafics.				
	210 - 220	10	As 199-210	срууру	No/No	-	Similar to 199-210 well as	D	Dissemin- ated.		47851
							local bleaching.				
									 		
	220 - 230	10	Various medium	сру≫ру	No/No	Fracture @ 400.	Bleaching.	D	Mainly as dissemin-		47861
							K-spar development epidote.	•	ated cpy with magnetite in	i.	
								Part any a	brecciated		
								THORE .	as well as		
						-	-		fractures.		
		-+5									

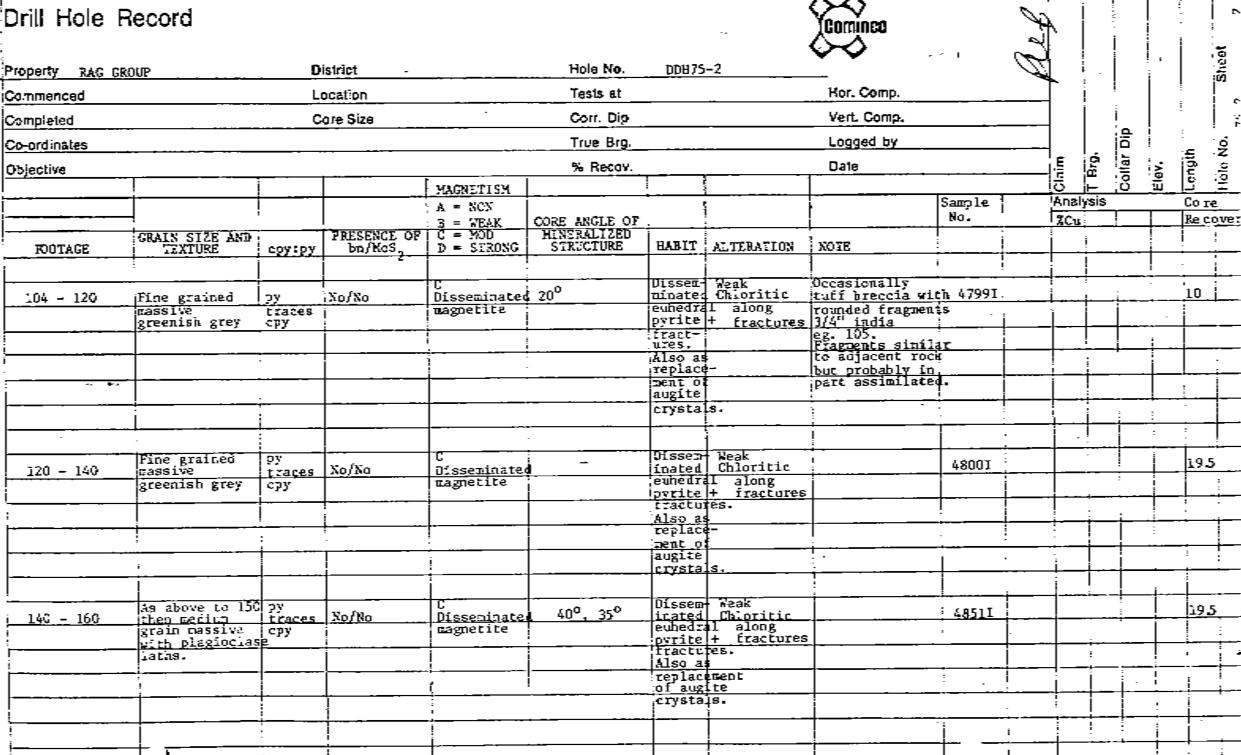
Property RA	AG GROUP		District			Hole No.	75-1				67	5		
Commenced			Location	n		Tests at		Н	or. Comp.		-	4		
Completed			Core Si	ze		Corr. Dip		V	ert. Comp.					
Co-ordinates		,		-		True Brg.	J=0.0 = 1	L.	ogged by					Dip
		TEXTURE					MAGNETISM	D	ate			Claim	Brg.	Collar
		GRAIN SIZE					A = NON					Ö	-	ပိ
		A = APHANIT B = FINE	IC	bn/MoS2	CORE ANGLE		MAGNETIC B = WEAK	HABIT OF		Sample No.	Length	Anal	ysis	
FOOTAGE	DECOVERY	GRAINED C = MEDIUM		ABSENTOR	MINERALI-	AT TER ATTON	C = MODERATE D = STRONG	MINERALI- ZATION	NOTE					
FOOTAGE	RECOVERT	C - MEDION	сругру	PRESENT	ZATION	ALIERATION	D = SIRONG	ZATION	NOIE				-	
300 - 309	5	С	007/107	No/No	10°, 30°	Pink K-spar development	C	Fracture filling &	304-309:	47931	9			
300 - 309	-	C	срудру	NO/NO	10,50	Very heavy	.0	dissemin-	shearing @ 20°.Calcite					1
						pyrite at contact.		ation	and hematit and heavy	e		-	-	-
									fine graine	d			+	+
~ **	15				-		Marie Salate	-	pyrite at contact.		-	+	-	-
					<u> </u>				Little or	,	-		1	+
									no shearing in the rock below		-		+	
									suggesting		-	4-	-	+
					1200				that the dyke rock 309-370 is					-
									controlled by this					
									by this fault.	A STATE OF THE STA				
		************							14446					1
309 - END	Medium g	rained porph	yritic o	uartz dio	rite dyke roo	k characteri	zed by round o	uartz eyes	(1/8-1/4")					
							en in colour							
					The state of the s	7.00	sseminated pyr							1
					or the first									
	- Incly buch	100 00 01000							1				1	T
		-			1 2 2 2					1				
									· 	-	+	-		-

¥

Property R	AG GROUP		District			Hole No.	75-1	\Diamond	\(\)		7	5			
 Commenced	AG GROUP		Location			Tests at	75-1	Н	lor. Comp.		a	2			
Completed		er-witter	Core Siz	ATC SE		Corr. Dip			ert. Comp.	-		-			
Co-ordinates	-0.0		00.00		****	True Brg.			ogged by			1		Dip	
GO Ordinates	1	TEXTURE				True Brg.	MAGNETISM		ate			E	Brg.	ar [
		GRAIN SIZE					A = NON		,410			Claim	T B	Collar	Flov
		A = APHANIT	IC		CORE ANGLE		MAGNETIC			Sample	Length	A 1	ysis		-
		B = FINE		bn/MoS2	OF		B = WEAK C = MODERATE	HABIT OF	-	No.	-	-			
FOOTAGE	RECOVERY	GRAINED C = MEDIUM	сру:ру	ABSENTOR PRESENT	MINERALI- ZATION	ALTERATION	D = STRONG	ZATION	NOTE			-		-	-
		Porphyritic			0			The same of the sa					-	-	-
309 - 320		Quartz diorite	сружсру	No/No	30 Molybd-	Lath shaped Mafic	A	Dissemin-	A few calcite	47941		-	-	-	+
		diorite				altered to sericite or chlorite. Pinkish		sulphides generally	veinlets	-		-		-	+
						chlorite.		generally	cut dyke.					1	
						ground man									
***						is probably due to fine grained									
	_					grained		-			-		1	1	T
	_	-	-			hematite inclusions.		-				-		+	-
-						Staining reveals	·				-	-	-	+-	-
						essentially						-	-	4-	-
						essentially no K-spar. Pink									
						colorations of rock fad	es								
		1		-		to light grey furthe				0.					
177 199			-			away from the fault	r		-		_		1	-	+
		ļ	-			the fault	-		-	-	-	-	-	4	+
						suggestion							-	4	-
						that this is a hemati	te								_
						effect rath	er								
						alteration Euhedral (½"by ½")									
					7	(날"by 날") plagioclase									
	-		1			crystals altered to				i i					- 1
		-				soft green material.								-	+

Proper	ty RAG	GROUP		District			Hole No.	75-1		~		12			
Comme	enced			Location	1		Tests at	100000	Н	or. Comp.		A	1		
Comple	eted			Core Siz	ze		Corr. Dip		Ve	ert. Comp.					
Co-ord	inates		AND DESCRIPTION OF THE		n=====================================		True Brg.		Lo	ogged by					Oip
			TEXTURE					MAGNETISM		ate			E	G	Collar
			GRAIN SIZE					A = NON					Claim	T Brg.	Col
		7	A = APHANIT B = FINE	-	bn/MoS2	CORE ANGLE OF		MAGNETIC B = WEAK	HABIT OF		Sample No.	Length	Analy		
FO	OTAGE	RECOVERY	C = GRAINED MEDIUM	сру:ру	ABSENTOR PRESENT	MINERALI- ZATION	ALTERATION	C = MODERATE D = STRONG	MINERALI- ZATION	NOTE					
320	- 330	9.5	As above	py only	No/No	-	As above	A	Dissemin-		47951	10			
						¢	except that		ated pyrite.						
							ground mass has given								
-	••						ground mass has given way to a light one								-
330	- 340	10	As above	pv only	No/Yes	30° Molyb-	As above	A	Trace		47961	10			+
						30° Molyb- denite slip at 336'	except that a pink		dissemin- ated						
							has given way to a		Molybdenit	e					
							light one						-	-	-
340	- 355	15	As above	py only	No/Yes	_	As above	A	Trace		47971	15			
							except that		dissemin- ated MoSa						
							except that a pink ground mass has given way to a light one		ated MoS ,343-344 2						
		-					light one		 -	-	-		-	-	+
355	- 370	15	As above	py only	No/Yes	20° Molybd- enite slip	As above	A	Trace		47981	15			-
		-				enite slip	pink color-		disseminat MoS ₂						
							ation of ground mass			1 4 16					
							returns but fades to					-)			
	370 END						fades to light grey again.								

Property Rag	Group	District	Kamloops, M.D.	Hole No.	DDH75-2			17	2				Sheet
Commenced	September 27, 1975	Location	Grid 1	Tests at		Hor. Comp.		-	3 4	,	006	0797	522
Completed	October 4, 1975	Core Size		Corr. Dip	*	Vert. Comp.	522		10	. 1	1	97	1
Co-ordinates	7+30N, 27E	- 1	Relative to 27E 10N	True Brg.	93%	Logged by	NOTE !		Rao		Ö		ج و
Objective				% Recov.		Date Sept.	27 - Oct.	4/75	Claim	Brg.	Collar Dip	Elev.	Length Hole No.
ootage	Description		-				Sample No.	Length	10 V 62 J 12 P	lysis	1		Core Recov
rom To 0 - 95	Overburden (drilled	d with mud)					110.		//Cu				Recov
0 - 73	Overburden (dillied	d with mad).											
95 - 104	Reamed (no core rec	covered)											
			•									×	
104 - 183	Generally fine gra	ined massive	to medium grained mas	ssive Nicola	a volcanics pro	bably mainly flows				-			
	and grayish green :	in colour of	ten containing dissem	inated pyri	te. Augite pher	nocrysts occasional	1у		-	-			-
												1	1
	noted. Feldspar la	aths common	150 - 178 and noteably	y softened	relative to kni	fe.	_	-	-	-	-	-	SHT
	Possibly due to ka		150 - 178 and noteably	y softened	relative to kni	fe.			-				
			150 - 178 and noteably	y softened	relative to kni	fe.							
			150 - 178 and noteably	y softened	relative to kni	fe.							
			150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe.							
			150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe,							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened i	relative to kni	fe.							
		olinized.	150 - 178 and noteably	y softened i	relative to kni	fe.							





operty RAG G	NO UI		strict - ocation		Hole No. Tests at	DDH75-2		Hor. Comp.		M	-			
ompleted		C	ore Size	•	Corr. Dip			Vert. Comp.			į			
o-ordinates					True Brg.			Logged by				Oip	2	Length
					% Recov.			Date		Ξ	Brg.	Collar	>	Length
bjective	T			MAGNETISM						Claim	-	O	Elev.	Lei
				A = NON B = WEAK	CORE ANGLE OF	-			Sample No.	_	nalysi Cu	3		Core
FOOTAGE	GRAIN SIZE AND TEXTURE	сру:ру	PRESENCE OF bn/MoS2	C = MOD D = STRONG	MINERALIZED STRUCTURE	HABIT	ALTERATION	NOTE				-		
					As above	As above.			48521		-			19
160 - 180	As above.	traces	No/No	C	AS above	above.			10322				1	
								No.			-		4	
183 - 431	Generally lapil											-		
					ntrations of ma					-	-	A		-
	brecciated sect	ions in	75-1. Augite	phenocrysts	common. Chlor:	tic dev	velopment per	vasive.			-	-	+	
	Sulphides almos											-	-	-
	core. Greenish	grey in	colour.								-	-	-	
180 - 200	Lapilli tuft	pyrite	No/No	С	30° for	As above		183 apparent	4853I					20
100	Hapitit Co-C	traces	inopine .		magnetite seam			bedding with core angle of 700. Apparent crystal settling			-	-	-	
								on lapilli tuft						
						As							_	17.5
200 - 220	Same as above	pyrite traces	No/No	,c	35° for magnetite seam	above	Chloritic rock.	209-211 faultin @ 25° gauge.	g 48541				1	17.5
		сру			-	As	Chloritic.	200	/0557		-			19
220 - 240	Same as above	-	No/No	С	ļ	above.	Epidote fractures begin to	238 traces of dissemination cpy.	48551					19
	-						appear.)					



Hole No. DDH75-2 District Property RAG GROUP Hor. Comp. Tests at Location Commenced Vert. Comp. Corr. Dip Core Size Completed Hole No. Logged by True Brg. Length Co-ordinates Brg. Collar Claim Elev. Date % Recov. Objective MAGNETISM Analysis Core Sample A = NONRecovery No. B = WEAK CORE ANGLE OF MINERALIZED C = MODPRESENCE OF bn/MoS GRAIN SIZE AND TEXTURE HABIT NOTE STRUCTURE ALTERATION D = STRONG FOOTAGE сру:ру As 9 4856 Epidote C As 220 - 240 No/No above 240 - 260pyrite infractures traces also chlorite. CDY As 4757 above 260 - 280 *-As 220-240. pyrite No/No C traces сру 20 288' minor 4858 00 Chloritic above No/No 280 - 300As above but pyrite fault @ 45°. alteration. medium grained traces Augite phenoсру crysts common. Chloritic 9.5 306' minor cpy with pyrite in fracture @ 25°. 4859 above alteration B-C No/No As 220 - 240. pyrite 300 - 320As 9 4860 Heavy pyrite in fractures @ 60 0. Chloritic No/No B-C above As 220 - 240. pyrite 320 - 340alteration traces CDY As 220 - 240. 340 - 360pyrite As traces 19.5 348-358 Massive 4861 Chloritic No/No Heavy pyrite above B-C CDY dark grey nonin fractures (20° + associated alteration lapilli tuft. Nicola with heavy dissemination epidote alteration pyrite.

211-9437

Property RAG	GROUP	Di	strict		Hole No.	DDH75-	-2	~~ .		03					
Commenced		Lo	ocation		Tests at			Hor. Comp.							200
Completed		C	ore Size	•	Corr. Dip			Vert. Comp.		W		=	ā.		
Co-ordinates	<u> </u>		· ·		True Brg.	1000 1000 1000		Logged by				ic	2	1	
Objective					% Recov.			Date		!	Claim	l Brg.	<u>ā</u> .	Length	
				MAGNETISM					Level		U H		Colla Elev.	Le	
				A = NON B = WEAK	CORE ANGLE OF				Sample No.	1 1	Analys	sis		Re	re
FOOTAGE	GRAIN SIZE AND TEXTURE	сру:ру	PRESENCE OF bn/MoS2	C = MOD D = STRONG	CORE ANGLE OF MINERALIZED STRUCTURE	HABIT	ALTERATION	NOTE			二	寸		Rei	
360 - 380	As 220 - 240.	pyrite	No/No	B-C	-	As above	Pervasive	374 Minor	4862		+	\dashv	+	19	_
A		traces cpy					chloritizati 366 minor epidote.	374 Minor on Fault @ 40° 376 Minor fault @ 20°.						i -	
						As					1	#			
380 - 400 *-	As 220 - 240.	pyrite traces cpy	No/No	В-С	-	above	Pervasive chloritization	382-397 Fault n@ 500. Gauge & sheared rock.	4863					12	A THE P
400 - 420	As 220 - 240.		- No/No	В-С	401: Fractures				4864		•		-	20	
400 - 420	AS 220 - 240.	pyrite - minor cpy 418-420		B-C	@ 55° with pyrite 413 heav		chlorite development 410 minor		4004						
C =11 a tr		418-420			fracture @ 30°		epidote 415 small pat	ch						-	
	-						of K-spar enrichment 1" x 15".	,		-	-	_		-	

Drill	Hole	Record
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Cominco

Property District Hole No. RAG GROUP DDH75-2 Hor. Comp. Commenced Location Tests at Core Size Vert. Comp. Completed Corr. Dip Collar Dip Logged by Co-ordinates True Brg. Hole No. Length Brg. Claim Objective % Recov. Date MAGNETISM Analysis Core A = NONSample CORE ANGLE OF No. Recover B = WEAK GRAIN SIZE AND TEXTURE PRESENCE OF bn/MoS C = MODMINERALIZED STRUCTURE D = STRONGHABIT ALTERATION FOOTAGE NOTE сру:ру 10 Bleaching 429-431, the 4865 420 - 431As 220 - 240 pyrite No/No B-C rock becomes a minor light grey or whitish grey colour from a CDY dark greenish grey above. Contact is gradational. Appears to be a bleached equivalent of the rock above Chalcopyrite Generally massive, fine-grained and aphanitic generally light grey volcanic rock. 431 - 522 becomes relatively more abundant in this section than in the rest of the hole. Occasionally a little bornite is noted also as well as chalcocite possibly. Hapilli tuff as 183 431 occasionally noted. Alteration and sulphide mineralization appears to improve with depth. Disseminated Bleaching.
pyrite Some quartz
fractures 20° 30° 50° 448-455 Fault @ 20° 457 traces of bornite and 431 - 4584866 Yes/No Generally fine pyrite grained & + сру aphanitic Dissem introduction. Chalcocite inated Local chlorite 463-465 fine cpy development. grained bornite occasionally Core + chalcocite. occasionally medium grained as quartz generally stringers soft to knife.

Property Rag	Group		elstrict		Hole No.	DDH75-				B					Sheet
Commenced Location Completed Core Size					Tests at			Hor. Comp.				1			
Co-ordinates	7016 2128		Corr. Dip	Vert. Comp.					a						
		====			True Brg.			Logged by					Oip	E	S.
Objective	T				% Recov.			Date			Claim	Brg.	Collar	Elev. Length	Hole
				MAGNETISM A = NON							O Analy	-	<u>ŏ</u>	ت اع	Ĭ
	CDATM STZE AND		DDECENCE OF	B = WEAK C = MOD	CORE ANGLE OF										
FOOTAGE	GRAIN SIZE AND TEXTURE	сру:ру	PRESENCE OF bn/MoS ₂	D = STRONG	MINERALIZED STRUCTURE	HABIT	ALTERATION	NOTE			N.				
						Dissem-									
458 - 470	As 183 - 431	py +	Yes/No	A-B		inated pyrite	Chlorite alteration	463-465 Bornite as dissemination	4867					13	2
						+ сру	pervasive ne epidote res alteratio	in bleached section.	.15						
						fractu	res alteratio	section.							_
470 - 480	As general	pyrite	No/No	В		DOWNER	ivo		4868					10	+
	description	+ cpy	1107110			pervas chlori altera	te		4000					10	-
						+ epid	ote							+	+
480 - 490	As general	pyrite	No/No	В	-	Disse- minated	pervasive chlorite		4869					10	0
		+ cpy				pyrite + cpv	pervasive chlorite alterations + epidote			1	-				
						hairlí fractu	ne								
								· .		24	AURCO			1	
490 - 500	As general	pyrite	No/No	В	-	Disse-	pervasive		4870					10	0
	description	сру				t cpv	chlorite alterations	Н							1
						hairlí fractu	ne + epidote								
	-				The state of the s	Dissem-	508 Fault @				2111111				
500 - 515	As general description	pyrite cpy	Yes/No	В		pyrite	508 Fault @ 450 5000 minor fine		4871		H			1:	5
<u> </u>		-				# cpy +	grained e chalcocite		27. 27.				≨ _{11 .}		_
						fractur	es + bornite		L						
					NATIONAL DESIGNATION OF THE PROPERTY OF THE PR				24%						

Drill Hole I	Record						0+6	Cominco		S				,		9
Property RAG	GROUP	D	istrict _		Hole No.	DDH75-	2	~ ~	• * *	9						Sheet
Commenced Location			Tests at			Hor. Comp.		P						S		
Completed Core Size			. Corr. Dip				Vert. Comp.			- 1					75-2	
Co-ordinates					True Brg.			Logged by					Dip			0.
Objective				24.74	% Recov.			Date		E.		T Brg.	Collar Dip	>	Length	Hole No.
				MAGNETISM		C= t				- Sign			ဝိ	Elev.	Len	운
2300	- COLIN CIZE AND		Dancewer of	A = NON B = WEAK	CORE ANGLE OF				Sample No.		naly Cu	sis			Cor	e over
FOOTAGE	GRAIN SIZE AND TEXTURE	сру:ру	PRESENCE OF bn/MoS ₂	B = WEAK C = MOD D = STRONG	CORE ANGLE OF MINERALIZED STRUCTURE	HABIT	ALTERATION	NOTE				_		-		
515 - 522	As general description.	pyrite + cpy	No/No	C	-	Disseminated pyrite	Chloritizati and epidote development ine res.	on .	4872						7	
						+ hair fractu	ine res.									-
END						-										
														1		
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