## COMINCO LTD.

EXPLORATION NTS: 82M/13E

WESTERN DISTRICT

DIAMOND DRILLING - 1981

CK PROPERTY

STRAT 9, CK87 M-C

KAMLOOPS M.D., B.C.

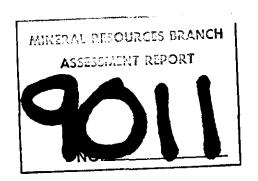
RAFT RIVER AREA

LATITUDE: 51°54'N LONGITUDE: 119°34'W

WORK PERFORMED

26 JANUARY 1981 - 3 MARCH 1981

OWNER AND OPERATOR: COMINCO LTD.



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## ATTACHMENTS

STATEMENT OF EXPENDITURES - APPENDIX "A"

STATEMENT OF QUALIFICATIONS - APPENDIX "B"

LOCATION MAP 1:50,000 - PLATE 1 (In pocket)

DRILL HOLE LOCATION 1: 2,000 - PLATE 2 (In pocket)

DRILL HOLE LOGS CK 81-1 to CK 81-9

\* \* \* \*

### COMINCO LTD.

EXPLORATION NTS: 82M/13E

WESTERN DISTRICT 20 March 1981

#### ASSESSMENT REPORT

DIAMOND DRILLING - 1981

CK PROPERTY

KAMLOOPS M.D., B.C.

RAFT RIVER AREA

### INTRODUCTION

#### Location

The CK group of mineral claims are located in the Kamloops Mining Division, forty-three kilometres northeast of Clearwater, B.C. The property is on either side of the Raft River, centred on the junction of the Raft River with Kowalski Creek. It is 24 km long by 7 km wide.

## ACCESS

The town of Clearwater is located on the Trans Canada Highway, 130 km north of Kamloops. Access from Clearwater to the CK property is by 65 km of excellent gravel logging roads along the Raft River. Several logging roads provide access to some of the showings areas, but much of the property is accessible only by foot or helicopter. Access to the 1981 drill area was by 37 km of good winter logging road from Avola, B.C.

#### TOPOGRAPHY

Much of the CK group of claims consist of fairly steep tree and brush covered side hills. The higher portion is flat to rolling, containing scattered swampy areas.

#### PROPERTY DEFINITION

## (a) History

1973 - Discovery of mineralized boulders and in-place mineralization by Andy Horne, Chase, B.C.

1974, 1975 - Optioned by Rio Tinto - Airborne EM; geochemistry, I.P., minor magnetometer work, and 7 diamond drill holes.

1976 - Sicintine Mines - backhoe trenching on one showing.

1977 - Optioned by Cominco Ltd.

1978	- I.P., magnetometer, VLF, minor geochemistry, Cat trenching,
	diamond drilling (20 holes).
1979	- Geological mapping (1:5,000, 1:10,000), I.P., magnetometer,
	large geochemical program, diamond drilling (18 holes).
1980	- Minor geological mapping and prospecting. I.P. and magnet-
	ometer geophysics on two grids, fill in "blanket" geochem-
	istry (2,000 samples); diamond drilling (15 holes).
	15015 (2,000 Samples), alamotta at 111115 (20 110105).

## SUMMARY OF WORK DONE

B.Q. drilling totalled 664.1 metres in 15 holes during 1981.

### GEOLOGY

The claims are underlain by metasediments and intrusives of the Shuswap Metamorphic Complex. Exposure is quite poor over much of the claim group, but mapping has suggested that limy and siliceous calc-silicates, biotite gneisses, marbles, and pegmatite underlie the extensive overburden. Several showings have been found, most have an associated geochemical expression.

#### PURPOSE OF DRILLING PROGRAM

The diamond drilling program on the CK mineral claims was continued during the winter of 1981. Its purpose was:

- 1. To test for the existence of zinc-lead mineralization in an area of coincident geochemical and geophysical anomalies.
- To test for down dip continuity of mineralization discovered during this drilling.
- To determine the lateral continuity of mineralization between proposed drill sites.
- 4. To determine the structure of the mineralized zone.
- 5. To determine the variability of the grade of the mineralized zone.
- 6. To help determine the economic significance of the mineralization on the property.

## INTERPRETATION OF 1981 DRILL RESULTS

Drilling in 1981 was carried out on the "North Strat" area.

#### (a) North Strat Area

Nine holes, totalling 664.1 metres, were drilled in the North Strat area. Regional mapping had suggested the mineralized horizon was present in this area. "Blanket" geochemical sampling indicated

a long linear anomaly. Follow-up geophysical (I.P.) surveying revealed a linear anomaly almost coincident with the geochemistry. The nine holes are distributed on five sections, which are separated by 200 metre intervals. Six of the nine holes intersected Zn, Pb mineralization, ranging from a hairline of light brown sphalerite, to 1.0 metres of high grade (25.8% combined Pb,Zn). The drilling has shown the mineralization to be fairly flat-lying in this area, and inferences of pegmatite interference can be made locally. Fault-action also apparently displaces the mineralization locally. To date the mineralization has not been discovered in outcrop in the North Strat area, consequently little is presently known of the overall structure and grade variations.

The stratiform Pb/Zn mineralization is associated with a complexly folded realtively narrow belt of calc-silicate gneiss and carbonates enclosed within an overall envelope of metasediments and pegmatite. All form part of the highly metamorphosed Shuswap Metamorphic Complex.

The 1981 program has continued to demonstrate that the mineralization on the CK program to be very extensive, but usually narrow. more drilling and testing is required to determine if portions of the mineralized body can be of economic size and grade.

### ATTACHMENTS

- (a) Appendix "A" Statement of Expenditures (b) Appendix "B" - Statement of Qualifications
- (c) Location Map Scale 1:50,000
- (d) Drill Hole Location Map Scale 1:5,000

Report by:

M.R. Murrell

Project Geologist

Endorsed by:

Z.T. Nikic

Senior Geologist

Approved for Release by:

G. Harden, Manager

Evolution

Exploration

Western District

MRM/skg Distribution Mining Recorder (2)

Western District (1)

## COMINCO LTD.

EXPLORATION NTS: 82M/13E

WESTERN DISTRICT 23 March 1981

## EXHIBIT "A"

## STATEMENT OF EXPENDITURES

Diamond Drilling Program on CK Mineral Claims Kamloops Mining Division, British Columbia Latitude: 51°55'N Longitude: 119°35'W

Dates of Work: This statement covers diamond drilling carried out on the CK property between January 26th, 1981 and March 3rd, 1981.

## 1. Contract Costs

	001101 000 003 03			
	Herb Allen Drilling Ltd. (664.1 m)			\$52,392
2.	Drill Site Preparation (trailer rent, haulage	, etc.)		
	L. Tucker Logging Ltd. Miscellaneous			2,400 681
3.	Assaying		•	200
4.	Staff Time			; )
	7 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	=	\$7,516 4,122	
	2) Z.T. Nikic 4 days @ \$240	=	8,938 960	
	3) S. Weller (drafting) - 2 days @ \$65	<b>=</b>	130	\$10,028
5.	<u>Domicile</u>			
	39 x \$37.50/day			1,462
6.	Transportation			
	Truck Rental - freight, fuel, etc.			2,365
	Total cost of dril	ling =		\$69,528

# Cost of Drilling per metre:

 $\frac{\$69,528}{664.1 \text{ m}} = \$104.69$ 

#### APPENDIX "B"

## STATEMENT OF QUALIFICATIONS

I, MICHAEL RAY MURRELL, hereby declare that I was graduated from the University of Alberta with an Honours B.Sc. in geology during May 1966. During my undergraduate summers I was employed on geological programs by B.A. Oil (now Gulf Oil), and by a small mining company. Upon graduation I joined Cominco Ltd. and have been engaged in many aspects of mining exploration since that time.

Dated the <u>20th</u> day of March, 1981 at Vancouver, British Columbia.

Signed:

M.R. Murrel

Project Geologist

20 MARCH 1981

olout Fiel	Drill Ho	le R	ecord				· Comineo							
	Property C	K PROF	PERTY	District Kamloops M.D.	Hole No.	CK81-1	<b>~ ~</b>							E 13
	Commenced	Feb.	8, 1981	Location North Strat Area	Tests at	128.4 m (-44 <sup>0</sup> )	Hor. Comp.	90.0 m		87		470	E	3.4 S
	Completed	Feb.	15, 1981	Core Size B.Q.	Corr. Dip	-46 <sup>0</sup>	Vert. Comp.	91.5 m		ਲ	9,	,	613	128
	Co-ordinates	3	00S, 32+58E		True Brg.	266	Logged by M	.R. Murre	11		266 <sup>0</sup>	ę e		_
	Objective	To 1	test coincident ge	ochemical and I.P. anomaly	% Recov.		Date Feb. 1	3,14,16,	1981	Claim	T Brg.	Collar	Elev.	ength tole No.
	Footnes mete	ore	Description				,	Sample	Length	Analy		<u></u>	<u></u>	
	From to							No.	m	РЬ		Zn		
	0	10.0	Overburden - Casi	ing		· <del></del>			<u> </u>					
	10.0	26.2	Pegmatite - Coars	se grained cream and white, but q	uite broken	and oxidized. Com	re recovery is very	,	<del> </del> -					
1111				thin sections of fine grained bl					<u> </u>			i†		
				At 24.6 - 25.0 is quite graphitic					·		-			
			in the bio.			<u> </u>								
									l					
	26.2	41.8	Spotted Dyke. Da	ark grey-green with minute white	feldspar spo	ts throughout. Le	ocally bleached							
			to a softer	muddy-grey colour, usually it th	en takes on	a somewhat splotch	hy appearance.		_					_
			28.7 - 32.0	Fault Zone. First 20 cm is pur	e mud after	which it is broke	n, crumbly muddy			<b> </b>		<u> </u>		_
				dyke material.					ļ					_
1111			37.5 - 39.5	Fracture parallel to core - lin	ed with fine	grained quartz.	<u>Very rusty, oxidize</u>	ed		<u> </u>		<u> </u>		
				Becomes more purple-brown and w	hite spotted	over the last me	tre.		<del> </del>		-			
	41.8	42.8	Pseudo-Mineraliza	ed Zone with Pegmatite and Silici	fied biotite	gneiss.						·		
			41.8 - 42.0	Coarse white pegmatite.									i	
			42.0 - 42.2	Pseudo-mineralization - looks v	ery much lik	e typic <mark>al fine g</mark> r	ained brown high		J	<u>  </u>			il	
				grade, but is actually a variet	y of the spo	tted dyke. Has m	inute scattered			ļ			i	
				pyrite grains, and a cross-cutt	ing, patchy	relationship with	the underlying	_	<u> </u>					
				biotite gneiss. Sample 42.0 -	42.2			60536	0.2	<0.	<b> </b>	0.02	iÌ	
										·			<del>  </del>	
									1	_l	<u> </u>	I J	ـــا	

Drill Hole Re	Abentu	CVO1 1	Cominco							, iet
Property CK PRO	District	Hole No. CK81-1	<del></del>						1 1	Sheet
Commenced	Location	Tests at	Hor. Comp.						1	
Completed	Core Size	Corr. Dip	Vert. Comp.					اما	i	
Co-ordinates		True Brg.	Logged by				١.	ă		-   g
Objective		% Recov.	Dale			Claim	Brg.	Collar Dip	Elev.	Hole No.
The state of the s	Description		· · · · · · · · · · · · · · · · · · ·	ī		Ö Anal		O_	<u>.</u>	ı İţ,
From to	Description			Sample No.	Length		1			
	42.2 - 42.8 Pegmatized sil. bio. gne	lss. Overall light grey-green	to white slightly banded							
	at 40°, but variable.	Speckled with chloritized biot	ite grading to horn-							
	blende. (May be an amph	ibolite). Sharp contact with u	nderlying dyke material.							
					·					
42.8 50.9	Spotted dyke. Dark green-black, fine to me	dium grained, much as previous.	Often becomes							
	coarser grained, dark green and almos	t amphibolite looking (i.e. from	m 47.5 on). Contains		Ì					
	a 0.5 m section of typical coarse peg	natite at 46.6 - 47.1. Probable	e minor faulting at							
	50.5 - 50.9.									
50.9 53.9	Pegmatite - Very quartzitic, almost looks	like a fine grained grey quartz	ite locally. Otherwise					]		
	coarse grained grey and white with mi	nor patches of mottled slightly	limy calc-silicate.							
	Colour is dark green and light green	irregularly mottled to slightly	foliated, almost paralle	1						
	to the core.				1		T			
					1					
53.9 54.8	Mottled limy calc-silicate. Overall med. t	o dark green with irregular pat	ches of feldspar ±					1		
	garnets. Few scattered cream coloure	d spicules, and some patchy coa	rse pegmatite. No							
	foliation present.									
					1					
54.8 86.6	Dyke rock as previous. Contact with over1	ying calc-silicate is at $30^{0}$ to	core axis.				1			
	Variable is 2-4 metre lengths as to c	olour, grain size, competency,	etc., but are likely	1	Ţ·					
	reflecting overall chemical variation	s as well as later tectonic fea	tures such as fault zone:		1					
	and associated brecciation, rehealing	, oxidation, etc. Main muddy g	ouge zones at: 64.5, 65.3	,	1	<u> </u>	1			
<u> </u>	68.7-68.9, 72 - 72.4, 77.8 - 79.9, 81	.0 - 82.0, 83.8 - 84.6, 84.9 - 6	86.6					`		111-0437

Drill Hole F		District	Hole No.	Guinnet						
Property LK PRI		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.			1			
Co-ordinates		Out Size	True Brg.	Logged by			-[		a	İ
			% Recov.			· · · · · · · · · · · · · · · · · · ·	E	5	5	١.
Objective			% Necov.	Date			Claim	Brg	Collar	Elev.
Roolegex meters	Description		.,		Sample No.	Length	Anal	<u>.                                    </u>	Г	T
	71.5 - 78.0	- Extremely broken coan	rse pegmatite section.				J			
					ļ		<u> </u>			
86.6 89.1			bleached intrusive. Overall cream				<b>.</b>	ļ	ļ	
	biotite spi	cules some of which are	chloritized. Few thin fractures a	re healed with quartz.				]	.]	
	No foliatio	n			ļ	<u> </u>	ļ		ļ	<u> </u>
					ļ	_	-	<u> </u>	ļ	<del> </del>
89.1 103.9			ections very from a metre to two in				<b> </b>	1	<b></b> -	↓
	89.1 - 91.7		e very limy, but slightly silicious				J	<u> </u>		<del> </del>
		'	garnet, and a few quartz filled cro	oss fractures.	<b></b>	_	.	<u> </u>		_
		Foliation well develop	· · · · · · · · · · · · · · · · · · ·				.	ļ	.	<b> </b>
	91.7 - 92.6		sugary texture (med. grained), with			<u> </u>	↓	<u>  </u>	.\	1
			iopside disseminated throughout. F			_		<u> </u>	<u> </u>	ļ
,	92.6 - 96.3		inly banded limy calc-silicate, but		<u> </u>	ļ	.]		<u> </u>	-
		·	en granular amphibolite, a few band		<del> </del>			ļ	ļ	_
			band of fine grained intrusive ort	hogneiss (93.9 - 94.3)	_	_	-		.	
		and a smattering of mo				<del> </del>		-		igapha
	96.3 - 99.0	· · · · · · · · · · · · · · · · · · ·	intrusive followed by dirty coarse	<del></del>				<u> </u>	<u> </u>	- -
			omes dirtier, diopside rich, and ba	inded toward the bottom.	_	_	-	ļ		-
1	1	Foliation at 65°.			1		1	1	1	1

Drill Hole Record CK PROPERTY CK81-1 Hole No. District Property Location Tests at Hor. Comp. Commenced Core Size Corr. Dip Vert. Comp. Completed Collar Dip True Brg. Logged by Co-ordinates T Brg. Objective % Recov. Date Analysis Description 5000000 meters 100.4 - 102.2 Coarse marble. Slightly dirty, silicified. Contains, at the end, two 20 cm wide bands of very fine grained (muddy) marble resembling thin sections seen in the Raft Synform area just above mineralization. 102.2 - 102.3 Very dark green fine grained pyritic amphibolite. 102.3 - 103.9 Pegmatite - chloritic, with an overall light greenish cast to it broken and rehealed over the first half, but very broken and rubbly over the remainder. 108.0 | Coarse biotite gneiss. Very coarse black bio. grains, but some has been bleached to muscovite 103.9 (minor). Local minor interbanding with pegmatite, but no pronounced segregation banding. Foliation well developed throughout at 65°. Pegmatite. Very coarse grained grey and light green colouration. Is this light green cast indi-108.0 111.7 cative of high Pb content?? Last 30 cm is finer grained, chloritic. 114.8 | Marble. Silicified and diopside speckled but otherwise clean, white, medium grained. 111.7 111.7 - 112.2 Mottled green-orange, and cream limy calc-silicate with a grey quartz vein. 112.2 - 113.0 White marble. 113.0 - 114.8 Dirty green speckled diopside marble actually transitional to a limy calc-silicate. Foliation fairly constant through these units at  $60^{\circ}$ .

Property CK Property	ty District	Hole No. CK 80-1	• •						
Commenced	Location	Tesis at	Hor. Comp.						
Completed	Core Size	Corr. Dip	Verl. Comp.			Ì		· '	
Co-ordinates		True Brg.	Logged by					g D	
Objective		% Recov.	Date			Clarin	9.G		Elev.
FEMOREX Meters Desc	ription			Sample No.	Length	Anal		<u>o</u>	<u>w</u>
	terbedded marble and pegmatite			-	<del></del>			-	_
111.0 122.3	114.8 - 115.4 Massive grey quartz	itic pegmatite, with minor blots	te flecks and minor patch	,					
	chlorite.		oc Treeks and minor pocen	`-					
	115.4 - 116.5 Marble. Mainly whi	te-grey sugary, with minor diops	ide as scattered grains						
		ned intrusive.					_	<del></del>	
	116.5 - 118.3 Orthogneiss - Light			1				[	
	at 65 <sup>0</sup> .			T					
	118.3 - 119.8 White marble. Fine	to medium grained. Only very mi	nor diopside scattered						
	throughout.			<u> </u>				<u> </u>	
	119.8 - 120.7 Mainly medium to co	arse grained greenish pegmatite,	but contains a few	<u> </u>	_	<u> </u>		<u> </u>	
	narrow bands of mar	ble.							
	120.7 - 121.2 Dyke - fine grained	dark grey, with greenish feldsp	ar grains.			<u> </u>		ļ <u>.</u>	
	121.2 - 122.3 Marble - Very fine	grained white grading to greyish	, muddy looking, with			ļ	<u> </u>	<u> </u>	
	The second secon	diopside, and a few wisps of gre	y graphite. Foliation		<u> </u>	ļ		<u> </u>	
	at 55 <sup>0</sup> .	Commence and the commence of t			-				
122.3 128.4 Dyl	ke - Mainly fine to medium grained da		<del></del>			<u> </u>		<u> </u>	
	grains of feldspar and quartz. Mi	nor quartz - calcite fractures.	Last 20 cm is fault with			<u> </u>	ļ	ļ	
	pegmatite.					.			l

Property CK	PROPERTY	District Kamloops M.D.	Hole No. CK81-2	•••					0	
Commenced Fe	b. 16, 1981	Location North Strat Area	Tests at 76.2 m (-49 <sup>0</sup> )	Hor. Comp. 49	0.0 m				-500	E
Completed Fe	b. 18, 1981	Core Size B.Q.	Corr. Dip -49.5 <sup>0</sup>	Vert. Comp. 58.	2 m		CK87	750		1648
Co-ordinates 3	3+945, 34+21E		True Brg. 272 <sup>0</sup>	Logged by M.R.	Murrel	1		2	Collar Dip	1
Objective To t	est for Zn/Pb mineral	ization beneath a coincident	% Recov.	Date Feb. 18,	1981		Clain	Brg.	llar	Elev.
	hemical and I.P. anon	naly					<u>U</u>	لــــــــــــــــــــــــــــــــــــــ	გ	<u></u>
кжжжых meters From To	Description				Sample No.	Length	Anal	ysis		
0 6.	Casing - Overburd	en								
							<u> </u>			
6.1 19.	B Pegmatite. Overa	ll is very coarse grained cream	white and grey with a few lo	ocal short fine		_	<u> </u>	<u> </u>		<sub></sub>
	grained sect	ions. Core recovery quite good.	4 1		<u> </u>		ļ			1
	6.1 - 8.	O Mainly the finer grained vari	ety. Biotite content low a	t the start, but		1	ļ			ļ
		higher at the end. Foliation	at various angles.		1	<u> </u>				
	8.0 - 13.	O Very coarse grained, but has			h	<u> </u>		ļ		<u> </u>
		at 80 <sup>0</sup> foliation. Some chlor	itization of biotite, and m	inor amounts of	ļ		ļ	L		<u> </u>
		muscovite present.			<u> </u>			<u> </u>		<u> </u>
	13.0 - 13.	7 Fine grained muscovite - biot	ite pegmatite. Some bleach	ing, fracturing.		_				
, <u> </u>	13.7 - 16.	6 Very coarse grained, with pat	chy coarse muscovite.			_	l	ļ		ıl
	16.6 - 17.	5 Fine grained, chloritized so	it takes on a greenish colo	uration.			<u> </u>	1		
	17.5 - 18.	7 Mainly coarse grained. Green	ish cast due to chloritizat	ion, or possibly due	ļ <u>.</u>	<u> </u>	.			
		to Pb rich feldspar grains.	Broken and oxidized.					1		
	18.7 - 19.	8 Fine grained, greenish as pre	vious. Trace pyrite on fra	ctures.	<u> </u>		-	·		
19.8 24	.3 Silicified calc-s	ilicate. Overall mottled but ba	nded dark green, light gree	n and orange, soaked	<del> </del> -	<del> </del>				
		ith grey - white fine grained qu								
		8 Mainly dark green with patchy		variable over the						
		first 30 cm, then is constant		<u> </u>	]					
					1	7	1	1	,	, - 7

23.4 - 24.3 Mottled, mainly orange, minor light green diopside. Minor calcite.  Last 15 cm is vesuvianite (?), dark ochre-yellow.  24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,	~					Sheet
Completed Core Size Corr. Dip Vert. Comp.  Co-ordinates True Brg. Logged by  Objective % Recov. Date  Extrace meters room 10 23.4 - 24.3 Mottled, mainly orange, minor light green diopside. Minor calcite.  Last 15 cm is vesuvianite (?), dark ochre-yellow.  24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,						177
Co-ordinates  True Brg. Logged by  Objective  % Recov. Date    RXXNe meters   Description   Sample No.			1	. '		0
Objective % Recov. Date    Recov.   Date   Sample   No.		1				ı
RNAME meters Description  23.4 - 24.3 Mottled, mainly orange, minor light green diopside. Minor calcite.  Last 15 cm is vesuvianite (?), dark ochre-yellow.  24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,	Ì	1		ò		ر فِي
23.4 - 24.3 Mottled, mainly orange, minor light green diopside. Minor calcite.  Last 15 cm is vesuvianite (?), dark ochre-yellow.  24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,		Claim	Brg.	Collar	Elev.	Length Hole No. CK81-2
Last 15 cm is vesuvianite (?), dark ochre-yellow.  24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,	Length M	Anal Pb	_	Žn		<u> </u>
24.3 24.8 Mineralized zone - straddles a contact between the sil-calc-silicate and pegmatite.  24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,						
24.3 - 24.45 Typical high grade ZnS mineralization. First half is slightly coarser,				_		
		<del> </del>	<del> </del>			
doubt have the block state of the state of t						
dark brown to black, with 35% quartz and feldspar eyes. Second half						
is more typical (un-remobilized) fine to very fine grained brown to oxide-						
brown high grade ZnS mineralization with 15% quartz eyes.		<u> </u>	<u> </u>	<u>                                     </u>		
Sample 24.3 - 24.45 60537 0	0.15	2.15	1	2680		
24.45 - 24.70 Coarse grained bleached pegmatite. Oxidized over the first half.				J		
Sample 24.45 - 24.75 60538 0	).25	0.01	1	0.03	1	
24.70 - 24.80 Patchy limy calc-silicate with an irregular band of fine grained brown			_			
sphalerite, patchy fine grained pyrrhotite, and fine grained granular						
galena, central to a fine green versuvianite band.		<u> </u>	_			
Sample 24.70 - 24.80 60539 0	0.10	4.00	]	4.60	<b>1</b> '	
24.8 36.0 Pegmatite - Very coarse grained light green and grey, with a few very minor scattered sections			$\vdash$	-		
of finer grained material. (i.e. 24.3). No biotite is present, but streaky to patchy						
muscovite - chlorite is sometimes apparent. Several broken zones (minor faults) at 30.0 -			1			
31.2, 31.6 - 32.0, 32.5 - 33.0, 34 - 35.7.			1			
36.0 36.8 Spotted Dyke - Dark grey - black at the centre, but with chilled light green margins. Sprinkled		-				
through with darker green grains.		1				\ <b> </b>

Drill Hole Record CK81-2 CK PROPERTY District Hole No. Property Location Commenced Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Co-ordinates True Brg. Logged by Brg. Oblective % Recov. Date Analysis Foodson meters. Description Length 36.8 38.6 Pegmatite - Made up of a variety of grain size sections. Varies from coarse to fine. Coarse material often has muscovite bands, finer material has chlorite. No foliation. Orthogneiss - Overall is fine grained grey, with minute biotite flakes speckled throughout. 38.6 48.6 Some have been altered to muscovite. Weak foliation at 550 is usually discernable. Locally (but minor) is coarser grained to become a medium grained muscovite pegmatite. Pegmatite - Medium grained grey and dark grey with short fine grained sections (as above). 48.6 Minute biotite (muscovite) grains disseminated in minor amounts, usually in the finer grained sections. Foliation very weak, but suggested at 550. Pegmatite - Very coarse grained light green and dark grey. Has short sections of fine grained 54.0 biotitic pegmatite that increase in abundance down the hole. Overall biotite content increases down section so that the last metre of section is a mixture of coarse and fine grained, both rich (10%) in biotite.

Silicified Calc-silicate. Semi-mottled to slightly foliated dark green (hornblende), light

Foliation somewhat variable, but often about 50°. Last 50 cm has blebby grains of

pyrrhotite and is more "soaked" in quartz.

green finer diopside grains, minor orange garnet. Ratio changes throughout this section so that sometimes it looks like amphibolite, other times almost like limy calc-silicate.

62.3

65.1

Property CI	CPROPERTY	District	Hole No. CK81-2							
Commenced	· · · · · · · · · · · · · · · · · · ·	Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dłp	Vert. Comp.						
Co-ordinates			True Brg.	Logged by					ä	
Objective			% Recov.	Dale			Claim	T Brg.	Collar Dip	Elev.
From To	Description				Sample No.	Length	Anal	l⊢ ysis	<u>10</u>	ш_
<del></del>	6.3 Orthogneiss	- Fine grained grey with 5% (	ninute biotite grains scattered t	hroughout. Foliation		<del></del>		-	<del> </del>	
	<del></del>	eakly developed.							-	
							1	1	1	
66.3 7	0.0 Silicified	calc-silicate - Gradually char	nges from dark green amphibolite	looking to light green					1	ļ — -
	diopsi	de rich. All is quartz soake	d. Cream coloured grains often d	isseminated. Minute						
		tite grains also locally pres	ent in trace amounts. Foliation	moderately developed a	t					
	40 <sup>0</sup> .			······································						
						_		<u> </u>	ļ	ļ
70.0 7	1.5 Orthogneiss	- Light grey with minute bio	tite grains. Moderate foliation	at 50°.		_			-	ļ
71.5 7	4.5 Peqmatite -	Very coarse grained, slightly	y green-white, with coarse biotit	e grains scattered	_		·	<del> </del>	-	
	<del></del>	larly throughout.								
				· · · · · · · · · · · · · · · · · · ·			<b>-</b>	↓		<u> </u>
74.5 7	6.2 Orthogneiss	- Much like previous - Folia	tion at 55°.	41 )		-		<del> </del>		
	END OF HOLE	- 76.2 m						-	-	
	Mineralized	Section - 24.3 - 24.8   M	ainly 15 cm of fine grained brown	ZnS.		<u> </u>	-	$\vdash$	-	
			.5 m @ 9.0% Zn, 1.5% Pb					1	1	

211-9437

Propert	v CK PR	OPERTY	District Kamloops M.D.	Hole No.	CK 81-3								
	nced Feb.	18, 1981	Location North Strat Area	Tests at	none	Hor. Comp. 66	.2 m				450	E	
Comple		20, 1981	Core Size B.Q.	Corr. Dip	-45 <sup>0</sup>	Vert, Comp.66	.2 m		] <sub>m</sub>	ام		,635	
Co-ord	nates 35+9	96S, 34+58.5E		True Brg.	270 <sup>0</sup>	Logged by M.I	≀. Murrel	1	CK87		å		
Objecti	ve To tes	t for Zn, Pb mine	ralization beneath an area of	% Recov.		Dale Feb. 20	,21, 1981	i	Ē	T Brg.	1 - 1	٠	4,000
	coinci		and I.P. anomalies								3	E ev	٩
76/6X/16/3 From	Metres To	Description					Sample No.	Length	Anal	ysis			Γ
	3.8	Casing - Overbu	rden						. [				L
3	1.8 11.7	Mixed coarse an	d fine pegmatite. Quite broken a	nd oxidized, b	ut good core r	ecovery. Sections	_	_	.				_
		are ½ to 1	m long. Coarse is typical cream	white and gre	y with scatter	ed chloritic grains			.l				
		and patche	s. Fine is dark green grey, chlo	ritized. Does	not resemble	the orthogneiss seen				<u> </u>			
		in other h	oles. No foliation.				<u> </u>	-	_	<u> </u>			-
11	.7 20.0		ined pegmatite. Cream white and						- 	<del> </del>			-
			ctions of dark green ine grained re randomly scattered. Lower bou			or tine grained				<del>                                     </del>			ļ
20	0.0 24.0	Pegmatized sili	cious biotite gneiss. Resembles	a dirty orthog	neiss. Grey,	with brownish and				厂			ļ
		1	ks and flakes disseminated throug			chloritized. Few	_			↓			L
		short (20	cm) sections of very coarse pegma	tite. Foliati	on at 45°.		_		-	-	ļ		-
24	1.0 26.5	Biotitic pegmat	ite with minor semi-pegmatized si	licious biotit	e gneiss. No	chloritization as							
•		biotites a	re crisp black, ranging from 4-5%	in the pegmat	ite to 10% in	the gneiss.		- <del> </del>	-	₩			Ļ
26	5.5 46.0	Pegmatite - Ver	y coarse grained cream white and	dark grey with	a slight yell	ow-green cast through	h_		+				
		out. No m	afic minerals. Locally small gar	nets are prese	nt in trace am	ounts, sometimes wit	'n						
		+	orite. Muscovite patches also pr			·							
								<u> </u>	-1	7			T

Drill Hole Record Hole No. CK81-3 Property CK PROPERTY District Location Tests at Commenced Hor. Comp. Completed Core Size Corr. Dip Verl. Comp. Collar Dip Co-ordinates True Brg. Logged by Brg. % Recov. Objective Date Analysis Sporage metres Description Length PБ Possible small fault at 42.1. A few short finer grained sections are present over the last few metres. Pegmatized silicious biotite gneiss. Fine to medium grained. Speckled black and grey with 46.0 47.7 bleached zones giving a greenish colouration. (biotite -> chlorite, muscovite). No foliation. Pegmatite. Typical very coarse grained, white and grey, irregular grain boundaries. 47.7 3-4 patches of coarse biotite, otherwise is mafic-free till 54.5. From 54.5 - 54.8 is biotite rich sil. biotite gneiss, with bleaching to muscovite. Foliation at 550. From 54.8 - 56.1 there are numerous large patches of black biotite. Pyritic silicified biotite gneiss and pegmatite. 56.1 56.1 - 56.7 Pyritic black and dark green biotite gneiss. Fine grained and moderately to well banded at 650-700. Pyrite minor at start, about 10% at end. 60540 0.6 <0001 Sample 56.1 - 56.7 56.7 - 57.2 Typical coarse grained pegmatite 57.2 - 57.9 Altered silicified biotite gneiss. Likely a fault at the base of this section, so that the rock is bleached, chloritized and softened. Foliation at  $30^{\circ}$ . Pegmatite. Very coarse grained grey and white. No mafics, but has a few scattered muscovite 57.9 64.1 grains. Otherwise quite typical to previous.

 Drill Hol				Cominco								
 Property C	K PROF	ERTY District	Hote No. CK81-3				ĺ					
Commenced		Location	Tests at	Hor, Comp.			]					
Completed		Core Size	Corr. Dlp	Vert. Comp.				1	ł			
Co-ordinates			True Brg.	Logged by			]		ä		_	
Objective			% Recov.	Date			taim miss	T Brg.	Collar	Elev.	Length	
Frakma me te	r <b>s</b>	Description			Sample No.	Length	Anal		1 <u> </u>	<u>w                                    </u>	<u></u>	
64.1	73.9	Pegmatized silicious biotite gneiss transi	itional to orthogneiss. Most is me	dium grained grey,		l		<u> </u>	1			
		with up to 15% biotite as small even	ly disseminated flakes. Local shor	t sections are more	- <del> </del>				1			
		biotitic and resembles more the norma	al silicious biotite gneiss. Patch	y to stringy pyrite			†					•
		is present at 69.1 - 69.7, would run	4%. Foliation constant at $50^{\circ}$ .									_
73.9	75.5	Pegmatized silicious calc-silicate, mixed	with pegmatized sil. bio. gneiss.	Overall is inter-	-		-	-		-		•
		layered light green (diopside); orang	ge (garnet), white (feldspar), grey	(quartz) and black								
		(blotite), with local minor stringy p	pyrite. Some bleaching to give a p	ourple-grey colour			1		1			
		locally. Could this represent the ca	alc-silicate mineralized band seen	in CK 81-2?	1		1					
		Foliation constant and consistent at	45 <sup>0</sup> .									
75.5	79.5	Pegmatite and orthogneiss. Changes from m	medium grained pegmatite (with musc	covite - biotite	-		-					-
		flakes) to orthogneiss at 76.6, but i	is actually quite a gradual change.	Orthogneiss			1				_	
		changes from grey to overall white, a		nets. Muscovite -						П		
		biotite layering common. Foliation (	consistent at $60^{\circ}$ .									
79.5	90.3	Silicified biotite gneiss, with a few mino	or sections of sil. calc-silicate a	and minor coarse	<del>                                     </del>	-	-	-	-			_
		biotite gneiss.				1						
		79.5 - 80.8 Alternating 20-30 cm wid	de bands of light green sil. calc-s	ilicate and fine		1						
		grained black to black a	and white sil. biotite gneiss.			]						
		80.8 - 84.0 Coarse biotite gneiss.	Banded black and white (segregation	on banding) crenulated		T						
					1	· T ·	1	7	i	1		

and contorted. Muscovite and minor sillimanite. Local disseminated pyrite

Property CK PROF	PERTY District	Hole No. CK81-3							
Commenced	Location	Tesis al	Hor. Comp.					1	
Completed	Core Size	Corr. Dip	Verl. Comp.					'	1
Co-ordinates		True Brg.	Logged by					Q.	
Objective		% Recov.	Date			Claim	Brg.	Collar	Elev.
	Description			Sample	Length	Ö Anal		<u> 8</u>	<u> </u>
From To	(-i) Ovite mode	tional to the underlying unit.				·	<b></b>	<del> </del>	
		coarse biotite gneiss and sil. bio.	oneiss ending in	<del></del> -		·		ļ'	-
	orthogneiss.	coarse brothe guerss and sir. oro.	gierss, chang in					1	
	86.0 - 86.6 Coarse pegmatite.			<del> </del>				1	-
	· · · · · · · · · · · · · · · · · · ·	. Black and white segregation bandi	na .	<del> </del>					1
	87.0 - 87.3 Pegmatite.	Bluck and wive Segregation barro.	119.	1	·	1		1	T
		dium grained, mainly black. Foliati	on at $40^{\circ}$ .						<del>                                     </del>
	87.7 - 88.0 Pegmatite.								1
	88.0 - 88.9 Sil. biotite gneiss.	Foliation at 30°.				1			1
		d sil. bio. gneiss. Central 40 cm i	s very well developed						
		white calc. silicate, with moderate				_		-	-
90.3 93.6	Pegmatite - Typical very coarse grained	cream-green and grey with scattered	t coarse biotite.	_					1
	Is orthogneiss between 92.3 - 93.2	2. Last section is pegmatite.				-		<del> </del>	-
	END OF HOLE - 93.6 m					-	ļ —	-	_
	No mineralized intersection.					-		<del> </del>	- -
					<del> </del> -	.			-

Properly Commence Completed	F-1	District Kamloops M.D.  21. 1981 Location North Strat Area 22, 1981 Core Size B.Q.	Corr. Dip -45 <sup>0</sup>	Hor. Comp. 52 Vert. Comp. 52			CK 87	278 <sup>0</sup>	-450	,610 m	13.8 E
Co-ordinate	es 36+4	S, 35+30E	True Brg. 278 <sup>0</sup>	Logged by M.R.	Murrel	1		1	ō	7	.
Objective	To test	for Zn, Pb mineralization beneath a coinciden	t geo- % Recov.	Date Feb. 23,	1981		Ē	Brg.	Collar	lev.	
		l and I.P. anomaly				<del>,</del>	Ö Anal		ß	<u> </u>	3:
топ жинию	ters	Description			Sample No.	Length	Allai	7518			-1
0	2.6	Casing - Overburden									
************											
2.6	10.9	Pegmatite - Typical very coarse grained, crea	om yellow-white and grey. Minor oxid	ation, but							
		several fractures. Contains one 10 cm s	section of coarse biotite gneiss.								
10.9	13.2	Mixed limy and silicious calc-silicate with m	minor diopside marble, minor sil-bio.	gneiss.		ļ		L			$\perp$
		Quite variable from semi-mottled green-c	orange calc-silicate, green-speckled r	marble, soaked							_
		dark green and white-grey sil-calc-silic	cate, semi-foliated biotite gneiss. I	Foliation				ļ		L	$\perp$
		constant and consistent at 45°.									
						ļ		ļ	ļ	-	_
		Dogmatite - mainly white folders at the eta-		arained at	1		1	L			
13.2	14.1	regnative - mainly write reluspar at the star	rt changing to more typical med-coarse	e granned at	<del></del>		+				
13.2	14.1	the end, with minor oxidation.	rt changing to more typical med-coarse	e gramed at				<u> </u>	_		
		the end, with minor oxidation.						_			_
13.2	14.1	the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light	green and white with occasional red-o	orange							
		the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light garnet, and yellowish diopside (?) or ep	green and white with occasional red-obidote (?). Contains a central 20 cm	orange							
		the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light	green and white with occasional red-obidote (?). Contains a central 20 cm	orange							
14.1	16.5	the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light garnet, and yellowish diopside (?) or egrained greenish pegmatite. Few tr. pyri	green and white with occasional red- oidote (?). Contains a central 20 cm ite specks. Foliation at 55 <sup>0</sup> .	orange section of fine							
		the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light garnet, and yellowish diopside (?) or egrained greenish pegmatite. Few tr. pyr	green and white with occasional red- oidote (?). Contains a central 20 cm ite specks. Foliation at 55 <sup>0</sup> . I-calc-silicate. Overall is fine gra	orange section of fine ined black and							
14.1	16.5	the end, with minor oxidation.  Silicious calc-silicate. Semi-banded, light garnet, and yellowish diopside (?) or egrained greenish pegmatite. Few tr. pyri	green and white with occasional red- pidote (?). Contains a central 20 cm ite specks. Foliation at 55 <sup>0</sup> . I-calc-silicate. Overall is fine gra Contains a few minute stringers of	orange section of fine ined black and							•

Drill H	lole R	ecord		•	Comineo								
Property	CK P	ROPERTY	District	Hole No. CK81-4									
Commence	ed e		Location	Tesis at	Hor. Comp.								l
Completed	 ქ		Core Size	Corr. Dip	Vert. Comp.								Ì
Co-ordinat	tes _			True Brg.	Logged by					Ö	1	_	
Objective				% Recov.	Date	· · · · · · · · · · · · · · · · · ·		Claim	T Brg.	Cotlar	Elev.	ength-	
ғы <b>лықы</b> те		Description				Sample No.	Length	<del>-</del>	lysis	ĪQ	<u> </u>	<u></u>	
17.9	10 19.0	Dogmatite Do	ossibly a pogmatized sale si	licate. Aphanitic white and cream	hackground with <5%	-			<del> </del>				
17.9	19.0	l		olite. No pattern nor foliation.	buckground with 13%	-{	·	·	-				
		Olack, IC	Total J Chilor to Lead green, b	no pattern nor rorration.			-		-		} <b>-</b>		
19.0	25.0	W		a siliaified grow with nounded area	n diancida cnacklas	-}							
13.0				s silicified grey with rounded gree		- <b> </b>			-	ļ			
	-			<pre>/ "dirty", impure marble. Some area : spl tchy to mottled. Very locally</pre>		<del>-  · · · · · -</del>		ļ	+				
				nogneiss at 22.3 to 22.9 and the mar		┪		<del> </del>	+	<del> </del>			
		<del> </del>	<del></del>	ogners are the second	ore to peginatize de	1		-	+	╁	l		,
	<del> </del>	23.5 - 24	<del>• • • • • • • • • • • • • • • • • • • </del>	<del></del>		-	<b></b>	1	1	<del> </del>			
25.0	30.3	Silicious calc	c-silicate. Gradually chang	ges from massive light yellow-green	with lenticular	·		\ <del></del>	1				
		+- <del></del>		ed to banded) orange, green and whit				ļ		]			
			ey marble. Foliation varies										
30.3	35.7	Orthognoics	r fine erained intrusive	ight grey-white, speckled with rand	omly oriented biotite		-	├-	-	<del> </del>			
30.3	33.7			or pyrite and sericite in fracture s									
35.7	37.4	Pegmatized mai	rble (??). Aphanitic white	non-calcareous matrix with streaky	to patchy light to								_
		medium gi	reen diopside (15%) with rai	ndom healed cross-fracturing. Folia	tion well developed								_
		at 45°.				<b></b>			_			ļ	
37.4	39.0	Orthogneiss o	r fine grained intrusive - 1	thite matrix with 25% biotite flakes	, with no foliation.		<u> </u>	ļ	_ _		ļl	L	_
		Few rando	om cross-cutting bleached z	ones (5 cm wide). Few broken zones,	but no faulting	_		ļ	_	.	<b> </b>		-
		suggested	d.			<u> </u>		<u> </u>		_l		L	

	K PROPERTY	District	Hole No.	CK81-4				]			
Commenced		Location	Tests at		Hor. Comp.						
Completed		Core Size	Corr. Dip		Vert, Comp.			_			
Co-ordinates			True Brg.		Logged by					5	-
Objective			% Recov.		Date			Claim	T Brg.	Elev.	
	1					T	T	ō	-	<u>3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	
rom To	Description					Sample No.	Length M	Pb	7	n T	
39.0 42.	3 Pegmatite - Coarse	grained grey and creamy	grey white, taking	on a slight grey-gree	n colouration.						
	Few patchy ch	nlorite areas at the star	t. Few fractures w	ith oxidation at 41.8	- 42.5.						
42.3 42.	9 Silicious Calc-sil	licate with the Mineraliz	red Zone								
	42.3 - 42.6	White feldspar and qua	irtz with coarse darl	k green hornblende and	d disseminated						
		patchy pyrite and a fe	ew specks of brown f	ine grained sphalerit	2.					_	
		Sample 42.3 - 42.	.6			60541	0.3	0.01	C	1.35	
	42.6 - 42.9	Two zones of mineraliz	zation. First could	have been 10 cm wide	, but is						
		broken, ground up, and	d some core is obviou	usly lost. It consis	ted of				<u>                                     </u>		
		typical coarser grains	ed brown to black his	gh grade mineralizati	on. Next is	_	_				
		10 cm of mixed diopsic	de and vesuvianite, w	with minor speckles o	f brown ZnS.						
		This is followed by 10	cm more of typical	high grade brown, fin	grained						_
		ZnS, with intermixed o	grains of lime-green	vesuvianite and feld	spar. The	<u> </u>	_				
		typical quartz eyes as	s seen in many other	mineralized intersec	tions, are						
		missing here.		,				_[]			
		Sample 42.6 - 42.	.9			60542	0.3	1.13	'	1600	_
							_	_		_	
42.9 45.	2   Pegmatite - Coarso	e grained. Most is yello	ow-cream and grey wi	th no lineations. Th	e first metre		_		ļļ		
		ew bands of hornblende -		calc-silicate, with f	oliations			_			_
	suggested at	45 <sup>0</sup> . Broken and oxidize	ed over last metre.	······································		-		-		_	_
				and a support of the second of		[		_		_	
							.]	J			J

Drill Hole Record Colour Plet CK81-4 CK PROPERTY District Hole No. Property Commenced Location Tests at Hor. Comp. Corr. Dip Core Size Vert. Comp. Completed ä True Brg. Logged by Co-ordinates Collar r Brg. % Recov. Date Objective Analysis ndage meters Description Sample White marble - Appears coarse granular, and is quite clean except for a few random specks of 45.2 48.0 diopside-chlorite and pyrrhotite. First metre is slightly broken and has minor oxidation. Contains one 10 cm section of coarse pegmatite. Silicious calc-silicate - Mottled to semi-banded dark green, light green, white and minor orange. Minor disseminated pyrrhotite locally present. Foliation at  $40^{\circ}$ . 48.6 Pegmatite - Most is coarse grained light green-white with grey. Contains a fine grained central section (poss. orthogneiss?) about 1.5 m long and a few thin (10 - 15 cm) of fine grained silicious biotite gneiss with foliations at 50°. Last metre has patchy chloritized sericitized muscovite patches. Pegmatite continues to 65.5, but has several short intersections of bleached coarse biotite gneiss These sections are 10 - 15 cm wide. Foliation is at  $35^{\circ} - 40^{\circ}$ . A large fault is present at 62.2 - 62.5 - much fault gouge. Last 3/4 metre is actually a bleached orthogneiss. Mixed pegmatite and coarse biotite queiss. Interbanded at 20 - 30 cm bands, but pegmatite 65.5 70.3 becomes less abundant down the section. Gneiss is fairly typical medium to coarse grained, somewhat segregated banded. Fair amount of muscovite development. Foliation starts off at  $40^{\circ}$ , ends at  $50^{\circ}$ .

Property CK PR	PERTY District	Hole No. CK81-4	•						1	
Property CK PRI	Location	Tests at	Hor, Comp.				'		[	1
Completed	Core Size	Corr. Dip	Vert. Comp.	·		1				İ
Co-ordinates	0016 025	True Brg.	Logged by		<del></del>			ā	1	I
Objective		% Recov.	Dale			ε	Brg.	ia i	ļ.	
00/201115						Claim	H B	Collar	Elev.	
Exited metres	Description			Sample No.	Length	Anal			T	Ī
<u></u>			· · · · · · · · · · · · · · · · · · ·					-		١
										1
70.3 71.0	Silicious calc-silicate-pyrrhotitic. Dark	green and grey. Semi-banded in	narrow ( <i bands.<="" cm)="" td=""><td></td><td></td><td> </td><td></td><td></td><td></td><td>١</td></i>							١
	Pyrrhotite is disseminated in irregula	r stringy bands parallel to bed	ding - can be up							1
	to 5% locally.									1
					_	<u> </u>				
71.0 72.5	Pegmatite - medium grained white and grey.	Scattered flakes of biotite sc	attered at 3-4%			<u> </u>		ļ		1
	throughout.		· · · · · · · · · · · · · · · · · · ·		J		<u> </u>	<u> </u>		1
				<u> </u>			<u> </u>	ļ		-
72.5 73.8	Mixed silicious biotite gneiss and siliciou	s calc-silicate. Dark green ar	d light green	.	_		ļ			
	soaked in dark grey quartz. Moderatel							ļ		
	(most is lost). Fault brings the seds	. against a lower pegmatite (10	cm).			ļ			<u> </u>	-
				-		ļ <u>.</u>	<del> </del>	ļ	<del> </del>	ļ
	73.8 - END OF HOLE.		***						<del> </del>	1
	Mineralized section. 42.6 - 42.9 - T	wo 10 cm wide high grade bands	@ 16.0% Zn, 1.13% Pb.							
			· · · · · · · · · · · · · · · · · · ·	·		·	-	<del> </del>	<del> </del>	-
				<del> </del>	<del> </del>	ļ	+		+	1
				<del> </del>				├		
				-		1-		<del> </del>		1
ļ						1	1		1—	-

Drill Hole	e Record			Gawinca					į	ı
Property	CK PROPERTY	District Kamloops M.D.	Hole No. CK81-5	<b>*</b>						
Commenced	Feb. 22, 1981	Location North Strat Area	Tests at 63.1 m (-63 <sup>0</sup> )	Hor, Comp. 27.7 m		6		1		E
Completed	Feb. 24, 1981	Core Size 8.Q.	Corr. Dlp -64 <sup>0</sup>	Vert. Comp.56.7 m	··· //-	₩			=	63.1
Co-ordinales	38+4S, 35+30E		True Brg. 278 <sup>0</sup>	Lagged by M.R. M	urrell	STRA	2780	Dip -650	1,647	
Objective To	test for extension of	high grade Zn, Pb mineralizatio	on % Recov.	Date Feb. 25, 1	981			_	- 13	ength
di	scovered in hole CK81-	4.				15	J⊢ [	Collar	KIĐ.	Ę
From To	s Description			San No.	nple Length	Analy	ysis			
	4.6 Casing - Overbur	edon		140.		<b> </b> -		j		
	4.0 Casing - Overbur	uen .				·				
4.2 1	3.7 Pegmatite - Coar	rse grained grey and white. Qui	ta broken throughout Passible	a minor faulting		-				
4.2		e is apparent. Several fracture		e minut fauturing		-∤				
	but no gouge	e is apparent. Several fracture	s sent-pararies to core axis.			-				
12.7	C 0 C11/2/2000 1/20/4/		d bits and live Mineral			·{		<u> </u>		
13.7		te gneiss. Fine grained black a		<u></u>				$\vdash$		
	and a few st	treaks of 1 cm wide pegmatite.	Foliation locally moderately d	eveloped at /U .		<b>- </b> -		<del>                                     </del>		
16.0	10.0 Hamble and Family	Too Moutle to district annuals								
16.0 1		Zone. Marble is dirty granula	· · · · · · · · · · · · · · · · · · ·							
		Major fault zone at 17.4 - abou				<u> </u>				
		Fracturing on either side is	semi-parailel to core suggesti	ng a steep angled			ļļ			
	fault.					.		<u> </u>	_	
						-l		$\vdash \vdash$	[	
18.9		silicate. Mottled to semi-bande	. Liu aliana kalandara kalandara kalandara kalandara kalandara kalandara kalandara kalandara kalandara kalanda					$\vdash$	$\dashv$	
		lar orange. Quartz is very fine		nt as irregular						
	grey-white	lenses. Foliation weakly develo	ped at 65°.			- <b> </b>		<del> </del>		-
						-l				
21.9		ium to coarse grained, creamy ye	llow to grey-white. No mafics	. Several oxidized			<b>[</b> .			
	fractures at	t low angles to core axis.				.				
								<u> </u>		
26.7		e in pegmatite, and underlain by					ļ	$\sqcup$		
	typical fine	e grain brown, but is not well l	ayered as usual. Instead it a	ppears contorted,				ll	1	

Drill Hole F			Cominco					i İ	
Property CK F	PROPERTY District	Hole No. CK81-5							
Commenced	Location	Tests at	Hor, Comp.			.]		i İ	
Completed	Core Size	Corr. Dip	Vert. Comp.				) }		
Co-ordinates		True Brg.	Logged by			_		ig	
Objective		% Recov.	Dale			Claim	arg.	Collar	<u>11</u> •
Rockspex metres	Description			Sample No.	Length	Anal			
26.7 26.9	distorted, and possibly remobilize	ed during pegmatization. Contains lar	go "blocks" of		- m	<u>Pb</u>		Zn_	
	pegmatite.	during pegnatization. Contains (a)	ge blocks of		·				— <b>-</b>
	Sample 26.7 - 27.0			60543	0.2	2.49		1400	
26.9 28.95	Orthogneiss or fine grained intrusive.	Overall grey white matrix with fine	minute biotite		<b></b>				
·	speckled throughout. No foliation	·			<del> </del>	-			
28.95 29.1	Silicified non-calcareous quartzite (F	Possibly was a muddy marble) with a 1	cm wide band of	<del></del>	-	-	-		
	fine grain brown sphalerite. Foli								
	Sample 28.95 - 29.0			60544	0.05	0.07		9.60	
	Note: This is possibly <u>not</u> minera	lization. It is fine grain and brown	, but doesn't really						
	look like ZnS when split.	It resembles more the intersection of	"Pseudo" minerali-		<u> </u>	1			
	zation as seen in CK81-1.				ļ				
29.1 32.3	Orthogneiss. Overall fine grain grey flakes to 8%, but no foliation.	and locally bleached white. Dissemin	ated black biotite			-			
					†				
32.2 34.6	Pegmatite and pyrrhotite rich siliciou	· · · · · · · · · · · · · · · · · · ·							
		ections of silicious biotite gneiss w			-			<u> </u>	ļ. ——
		cate. All have disseminated to strin					<b> </b>		
	ranging to 25% over short 10 cm se	ctions. Trace chalcopyrite seen at 3	4.0. A thin 2 cm		.l				_

Drill Hole Record Colour Plot CK PROPERTY CK81-5 Hole No. Property District Location Tests at Hor, Comp. Commenced Core Size Corr. Dip Vert. Comp Completed Co-ordinates True Brg. Logged by T Brg. Objective % Recov. Date Analysis motive metres Description Length Pb m 0.22 34.6 33.0 - 34.3 60545 0.02 32.2 Sample 1.3 0.08 1.50 34.3 - 34.6 60546 0.3 White Marble - Overall granular white, coarse grained. Few areas of greenish diopside. Contains 34.6 35.3 a few specks of reddish ZnS in the first 10 cm. Foliation moderate at  $55^{\circ}$ 35.3 Orthogneiss - White with black biotite, to white with greenish specks due to local irregular 38.6 chloritization zones. Foliation moderate at 650 Mineralized Zone. A 1 m wide band is topped by 10 cm of white marble and bottomed by slightly 38.6 40.7 mineralized pyrrhotitic pegmatite. 38.7 - 39.7 High grade coarse black (remobilized?) ZnS, with greenish eye like quartz, enclosing a 15 cm band of orange mottled limy calc-silicate, and a 10 cm band of diopside-calcite 2390 1.92 60547 1.0 Sample 38.7 - 39.7 39.7 - 40.7 Mixed greenish pegmatite and silicious cal-silicate with pyrrhotite to ZnS. 0.67 [0.01]Sample 39.7 - 40.7 60548 1.0 Pegmatite - Coarse grained grey and white, typical. Slight greenish tinge to the feldspar. 40.7 48.2 Minor fractures at  $35^{\circ}$ . Has several 2-3 cm wide biotite areas. Cut the core at  $55^{\circ}$ .

Drill Hole Record CK PROPERTY District Hole No. CK81-5 Property Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Co-ordinates True Brg. Logged by Clai Analysis Brg. Objective % Recov. Dale TONINX metres Sample Description Length 48.2 56.1 Biotite gneiss and minor pegmatite. Gneiss is medium to coarse grained black and white with variable segregation banding. Locally gradational to silicious fine grain biotite gneiss. llas several short pegmatite sections at the start including orthogneiss from 50.3 to 51.3. Foliation fairly consistent at 550. 63.1 Banded silicified pyritic calc-silicate. Layered to banded (<1 cm wide bands of grey and 56.1 green-white to locally brownish-purple soaked in whitish to grey quartz. Disseminated to stringy pyrite-pyrrhotite found throughout at 3-4% as disseminated grains, but also emphasize the foliation. Likely this zone is sufficient to give an I.P. anomaly. Contains coarse pegmatite at 60.6 - 61.7. Foliation changes gradually from 60° at the start to 70° at the end. END OF HOLE 63.1 m. Mineralized section - actually several - the main one is 1 m of coarse high grade between 38.7 and 39.7 m. @ 23.9% Zn, 1.92% Pb

Drill Hole Record Colour Plat District Kamloops M.D. CK PROPERTY Hole No. CK81-6 Property Localion North Strat Area Tests at  $61.0 \text{ m} (-89^{\circ})$ Commenced Feb. 24, 1981 Hor. Comp. 0 m 1,647 Corr. Dip -900 STRAT Completed Feb. 25, 1981 Core Size B.Q. Vert. Comp. 61.0 m Co-ordinates 38+45, 35+30E True Brg. N/A Logged by M.R. Murrell T Brg. Objective To test for extension of significant In, Ph intersections % Recov. Date Feb. 25, 26, 1981 found in holes CK81-4, CK81-5 Analysis Description Sample koolooe metres 0 2.0 Overburden - Casing Pegmatite - Coarse grained grey and white. Few short medium grained sections. Ouite broken, 2.0 17.4 but contains no evidence of faulting. Silicious calc-silicate. Overall light yellow-green semi-mottled to banded. Central metre is 17.4 20.4 mottled light and dark green with orange, but changes to the yellow green aphanitic type with grey-white lens-like quartz at 18.6. Contains a few limy fractures. Foliation weakly to moderately displayed at  $70^{\circ}$  -  $80^{\circ}$ . NOTE: Last 40 cm is a dirty grey granular marble. 20.4 25.0 Pegmatite and Orthogneiss -20.4 - 21.3 Typical coarse grained yellow-green and grey pegmatite. Patchy biotite locally. 21.3 - 22.3 Possibly pegmatized marble (non-calcareous now). Basically a white aphanitic matrix with streaky to patchy semi-foliated chlorite. Resembles that seen in previous holes. Foliation at  $40^{\circ}$  -  $60^{\circ}$ . 22.3 - 22.8 Medium coarse pegmatite with minor chlorite. 22.8 - 23.8 Orthogneiss. Light grey white matrix with disseminated, foliated, biotite flakes throughout. Sporadic bleaching. Foliation at  $70^{\circ}$ . 23.8 - 25.0 Pegmatite rounded grains - creamy light green; grey quartz matrix. Last 10 cm. is clean - light green quartzite (?). Contains a few specks of pyrite.

Drill Hole	Record		·	Cominco							·
Property	CK PROPERTY	District	Hole No. CK81-6	•							heet
Commenced		Location	Tests at	Hor. Comp.					İ		Ŵ
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates			True Brg.	Logged by					ă		, o.
Objective			% Recov.	Date			Claim	Brg.	Collar	Ge	Hote No.
IXXXXX metres	Description				Sample No.	Length M	Analy P5		Zn [	<u>u  </u>	
25.0 26.	2 Mineralized Zone w	ithin a silicious calc-	silicate zone.	····							
	25.0 - 25.35	Two bands (10 cm and	15 cm) of fine grained brown typic	al high grade							
		mineralization, with	greyish quartz eyes, separated by	black "muddy"							
		pyrrhotite and quart	z (fine grained). <u>Looks</u> like a se	diment. Pyrrhotite							
		could be 60% of the	rock as minute wispy fine grain be	d-like layers. Very							
		magnetic. Foliation	n at 80 <sup>0</sup> .				<u> </u>				
		Sample 25.0 - 2	25.35		60549	0.35	0.90		5.00		
	25.35 - 25.60	Dark semi-banded sil	icious calc-silicate. Overall "mo	ttled" dark grey-			<u> </u>				
		green to almost blac	k, with small patchy lighter green	throughout.				L_			
		Completely shot thro	ough with wispy to disseminated fin	e grain pyrrhotite		<u> </u>					
		and the occasional s	tringer of fine grain brown ZnS.							l	
		Sample 25.35 -	25.60.	· · · · · · · · · · · · · · · · · · ·	60550	0.25	0.60		0.62		
	25.60 - 25.70	Two thin bands of ma	issive to patchy fine grain typical	high grade ZnS with			<u>                                     </u>				
		pyrrhotitic siliciou	ıs calc-silicate.		_		ļ				
		Sample 25.60 -	25.70		76301	0.10	0.26	ll	1700		
	25.70 - 26.20	Banded silicious cal	c-silicate. Banded black, white a	nd light green.		<u></u>				_	
		Black, white pertion	is actually a biotitic portion wh	ereas the light		<b>.</b>	<u> </u>				
		green is aphanitic o	quartz & feldspar. Has a 2 cm wide	ZnS, pyrrhotite				ļl			
		patch centrally.				J	<u> </u>				
ļ		Foliation is at	. 75".			<b></b>	<u> </u>				
		Sample - 25,70	- 26.20	<del></del>	76302	0.50	0.01		0.70		
						1				]	

Drill Hole Record Property CK PROPERTY CK81-6 Hole No. District Location Tests at Commenced Hor. Comp. Core Size Corr. Dip Completed Vort. Comp. Co-ordinates True Brg. Logged by T Brg. Objective % Recov. Date Analysis Description Sample Length movement metres 26.2 29.9 Orthogneiss or fine grained intrusive - fine grained matrix of grey-white with up to 20% fine biotite flakes disseminated evenly throughout. Foliation very weak, but can be deciphered locally at  $80^{\circ}$ . No alteration zoning. 29.9 Pegmatite. Very coarse grained feint green (white) and grey. Few scattered biotite flakes, 35.2 sometimes chloritized. Contains a 30 cm band of coarse biotite gneiss at 33.5 to 33.8 with foliation at  $50^{\circ}$ . 35.2 39.6 Mixed pegmatite and coarse biotite gneiss. Pegmatite is typical coarse grained white and grey with a very slight greenish cast to it. Biotite gneiss is overall black and grey, coarse, and shows very slight segregation banding. Muscovite very common in the gneiss. Foliation is somewhat variable as is common in coarse biotite gneiss, but overall would average 70<sup>0</sup>. 39.6 44.7 Coarse biotite gneiss. Much the same as the gneiss described above. Pegmatite in narrow bands common over the first metre, but absent thereafter. The last metre is finer grained, less segregated (approaches silicious biotite gneiss) and has up to 8% pyrrhotite disseminated evenly throughout. Foliation at  $70^{\circ}$  -  $75^{\circ}$ . 44.7 50.2 Silicious pyrrhotitic banded calc-silicate. Identical to that seen in the bottom of hole

CK81-5. Starts off darker green, but changes to light grey-white and minor green by 46.0.

Property CK I	PROPERTY District	Hola No. CK81-6	· • • • · · · · · · · · · · · · · · · ·						
Commonced	Location	Tests et	Hor. Comp.						İ
Completed	Care Size	Corr. Dlp	Verl. Comp.						
Co-ordinates		True Brg.	Logged by				.	Ö	
Objective		% Посоч.	. Dala			Clain	B.7g.	Collar	Elev.
CRRRY metres	Description	-		Sample No.	Longih	Anal		<u>3</u>	Ü
44.7 50.2								_	
(cont'd.)		ands are present, yet subtle, usuall							·
(cont a.)		te is evenly disseminated in foliate			-	<del></del>			
		(<1 cm) bands of irregular marble ar			·-	<del> </del>			·
		maximum). Foliation constant at 70		-	-	·[	·		-
<del></del>		o metres re: colour and mineral rat			-	·	1		-
	orange garnet patches, ore area of	intense pyrrhotite (49,2 - 49.5).		-	-	├─	<del> </del>	-	-
50.2 - 52.9	Pegmatite - Mainly feldspar, only minor	grey quartite Overall light gree	n colour Has	-		<del> </del>		-	-
30.2 - 32.3		oritized biotite.				1			1
	Several intersection patents of City	or review of ordered			-	-			1
52.9 59.3	Orthogneiss - Typical white to grey with	abandunt black biotite flakes, but	with no definite						
	orientation. Possibly is a fine gr	ained intrusive. Has several patchy	bleached zones so					_	
·	that the biotite is chloritized.			_	<u> </u>	.	.		<u> </u>
					<del>- </del> -	-		<del> </del> _	-
59.3 61.0	Silicified pyrrhotite calc-silicate with	minor biotite gneiss and pegmatite,	Dark grey to light	_	_	-			-
		<u>Disseminated stringers_of_pyrrhotite</u>	_at_3%_throughout	_		-	-	-	-
	especially the first 0.5 m (15%).					-	-		-
						-			-
	END OF HOLE - 61.0 m				-			·	-
					_		.		J

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ole laur Flat Dipe	Drill Ho	ole R	ecord					Cominco							1
· + 1 11 ·	Property	CK PR		District	Kamloops M.D.	Hole No.	CK81-7	····						E	Sheet
	Commence			Location	North Strat Area	Tests at	ni l	Hor. Comp.			1		450	,610	 ∞ ``
	Completed			Core Size	B.Q.	Corr. Dip	-45 <sup>0</sup>	Verl. Comp.			CK87	2700	'	1,6	4
	Co-ordinate	39+9	6S, 33+30.5E	~		True Brg.	2700	Logged by		e11		2	ä		- 9 <u>-</u>
	Objective	To tes	t for Zn, Pb minera	alization be	neath a coincident	% Recov.		Date Feb.	28, 1981		aim	r Brg.		Elev.	Length Hole No. CK81-7
				maly, 200 m	<u>south of a signific</u> an	t <u>intersect</u>	on.		<del></del>	<del></del>	Ö Anai		ပိ	<u> </u>	<u> </u>
	Robtope metr	res	Description						Sample No.	Length	Allai	y 5 i 5			
	0		Casing - Overburd	en											
	8.0	9.0	Pegmatite and sil	icious calc-	silicate. Poor core	recovery.	Pegmatite over	the first part is							
			broken, coar	se grained o	ream-white and grey	with chlorit	ized biotite p	atches.							
			Calc-silicat	e is light a	nd dark green and ac	tually trans	itional into t	he underlying unit.							
			Coarse grain	ed, with pat	chy tremolite or sil	limanite. F	ractured and h	ealed with calcite.							
					ut variable.					]					
	9.0	17.3	Muscovite - Tremo	lite dyke.	Very coarse grained.	Medium to	dark green and	silver-white			]				
			throughout.	White radia	lly patterned patche	s may actual	ly be actinoli	te. No development o	f				<u> </u>		
1111			this thickne	ss has been	seen before. In the	New Showing	, a few patche	s of apple-green							
1111			tremolite we	re seen, but	nothing to this deg	ree. The ap	ple-green colo	ur is present in a							
1111			few instance	s here.						<u>.</u>	1				
			11.8 - 11.9	Apple green	tremolite										
					coppery coloured mu	scovite. So	ftish			_					l
					tremolite							L	<u> </u>		
					resent at 16.3 - 16.						_				
					is been lost over thi										<b> </b>
			17.3. Much	is lost at t	he start.					-l	-		ļ		<b>  </b>
	17.3	10 0	Silicious cala si	licate mine	l with cilicious bist	ito anaiss	First 20 cm i	s typical orthogneiss		<del> </del>			<u>-</u>		
	17.3	10.9	1		No foliation. Res			<del></del>	-	<del> </del>	-		ļ		<del>                                     </del>
	L		or tine grat	in therusive.	no rorración. Res	t is right g	reen and udrk	green colour showing	!		ــــــــــــــــــــــــــــــــــــــ	<b>I</b>	I		

Property CK PRO	PERTY District	Hole No.	CK81-7	<b>*</b>		1					
Commenced	Location	Tests at		Hor. Comp.						}	
Completed	Core Size	Corr. Dip		Vert. Comp.			l		1 1		
Co-ordinales		True Brg.		Logged by			1		ä		
Objective		% Recov.		Date			Claim	Brg.	1. 1	ا ز	Length
							ō	<b> -</b> -	ខិ	E e	<u>ڌ</u>
Francisco metres	Description				Sample No.	congui	Anal Pb_	ysis	Žn		
17.3 18.9	segregation banding with fine grain grey quar	tz and felds	spar. Crenulation	folding verv			LW				
	common throughout this section, but overall for		• • • • • • • • • • • • • • • • • • • •			1					
<del></del>		· · · · · · · · · · · · · · · · · · ·	-								
18.9 21.5	Orthogneiss or fine grained intrusive. White to g	rey matrix w	vith disseminated b	iotite showing		·					
	no preferred orientation. Numerous bleached				<u> </u>	-					
	towards the end of the section. Has a 20 cm										
	biotite gneiss showing foliation at 60°.		·· ··			1		1			
	3	andronistation, per experience of the									
21.5 25.3	Silicious calc-silicate, with minor limy sections.	Could be a	marker type horiz	on, for it has							
	been seen in holes CKB1-5, 6. Overall is lig										
	banded; contains a few short coarser orange s	ections. Qu	uartz is fine grain	ed to lensoid			]				
	parallel to bedding. Minor coarse dark green	hornblende	locally. Speckled	marble occurs in							
	two irregular 10 cm wide bands. (i.e. 23.4 -	23.5). Foli	iation 45 <sup>0</sup> .								
	23.6 - 23.9 Silicious banded biotite gneiss	- black and	white. Foliation	at 60 <sup>0</sup> .							
	23.9 - 24.2 Pegmatized biotite gneiss (?) -	Resembles a	chloritized orthog	neiss.							
	24.2 - 24.9 Hornblende rich sil calc-silicat	e				<u> </u>				,	
	25.2 - 25.3 Aphanitic greenish quartzite wit	h eye-like f	feldspar and quartz	grains - as	<u></u>	<u> </u>					
	· seen in other holes.	s s o to see			<u> </u>						
25.3 25.6	Massive Mineralized Zone. Fine grained brown ZnS	mineralizati	ion with minute eye	s of feldspar	<u></u>						
l											

Drill Hole Record CK PROPERTY CK81-7 Hole No. Property District Location Tests at Commenced Hor. Comp. Core Size Corr. Dip Completed Vert. Comp. True Brg. Co-ordinates Logged by T Brg. Objective % Recov. Date Analysis manax metres Description Sample Length Pb 25.6 26.2 Silicious Calc-silicate. Pyritic and semi-pegmatized. Grey and dark grey with minor light and dark green. Semi-banded, with locally up to 10% pyrite as fine grained, disseminated to streaky wisps and blebs parallel to foliation. Contains a 3 mm wide high grained ZnS band at 26.1. 76304 0.6 D.16 0.75 Sample 25.6 - 26.2 26.2 Pegmatite. Coarse grained, mainly white to grey-green feldspar with rounded to intestitial 41.8 quartz. Mafics almost non-existent, but a few black biotite patches are present. Locally minute garnet and muscovite is seen. Contains a bleached orthogneiss zone at 30.0 - 30.6. Broken zone (pass. fault) at 35.7 - 37.3, 39.3 - 39.5. END OF HOLE 41.8 m. Mineralized Zone is 25.3 - 25.6 - Typical fine grained brown. - 0.3 m @ 29.8% Zn, 1.25% Pb

Property CK PROPERTY District Kamloops M.D.	Hole No. CK81-8	Cominee						
Commenced Feb. 28, 1981 Location North Strat Ar	rea Tests at none	Hor. Comp						E
Completed March 1, 1981 Core Size B.Q.	Corr. Dip -900	Vert. Comp.	60.0 m		СК87		-90	619
Co-ordinates 39+96S, 33+30.5E	True Brg	Logged by M.R	. Murre	11	١٥	'	oio d	-
Objective To test for extension of Zn, Pb mineralization fr		Dale March 1			Ε	Brg.	ar C	
45° CK81-7 hole drilled from the same collar					Clai	ĕ	Collar	Elev
RODUNG Metres Description			Sample No.	Length	Analy	/sis	+	
0 4.4 Casing - Overburden		· · · · · · · · · · · · · · · · · · ·						
4.4 13.9 Orthogneiss - Light grey-white matrix with s	small flakes of highite discomina	tod evenly throughout						·· -
at 5-10%. No foliation. Cut by numero								
broken and sericitized - possible fault							ļ	
oxidized at 10.5 - 11.5 m.	ting. Angles in mactures at 25	. Broken and						-
				<del> </del>				-
13.9 14.3 Muscovite - tremolite dyke as seen in larger	r amounts in CK 81-7 First half	is dark connerv						
coloured biotite-muscovite. Second par								
actinolite. No apple coloured tremolit		published transfer =						-
				·				
14.3 17.4 Bleached silicious biotite gneiss. Muddy gr	rev-green, slightly silvery colour	r overall likely		ļ				_
was a biotite gneiss, but short pieces								
chunks throughout. Moderate foliation				† <del></del> -				
17.4 19.9 Orthogneiss - Much as previous, but bleachin	ng is much more pronounced. Faul	t at 18.3 is indicated						
						_		
by sericitized gouge. No foliations ov					1			
by sericitized gouge. No foliations ov last 30 cm.					1 1	- 1	1 1	,
last 30 cm.				ļ		• • • • • •		
		be the mineralized						

Property CK PR	PERTY District	Hole No. CK81-8	<b>*</b>						
Commenced	Location	Tests at	Hor. Comp.						
Completed	Core Size	Corr. Dip	Verl. Comp.						ĺ
Co-ordinates		True Brg.	Logged by	···		_		ä	
Objective		% Recov.	Date			Claim	T Brg.	Collar	Elev.
FREMEN metres	Description			Sample No.	Length M	Anal Pb_	ysis	Zn_	<u> </u>
19.9 21.5	calc-silicate, followed by	10 cm of very chalk-white and orange mottl	ed (pegmatized marble?)						l
		pegmatite is typical to bleached orthognei			1				
	The last 10 cm is a pyritic dark green and grey silicious calc-silicate that very much					]			
		beneath the mineralization in CK81-4. Her			1				
	35 cm of bleached, spotted	orthogneiss. (Foliation 55°).				]			
	Sample 21.4 - 21.5	(Pyritic calc-silicate)		76305	0.1	0.0	<b> </b>	0.12	
21.5 46.1	Pegmatite - Coarse grained whit	e and grey, with short sections medium grai	ned. Some sections				-	-	
	are rather quartz poor.			1		1		1	
	22.3 - 22.4 Silicious cal	c-silicate. Light grey and green, with cre	amy spicules.						
		te gneiss with pegmatite and one minute wis							
	of brown ZnS.	**************************************							
	Sample 2	3.4 - 23.5		76306	0.1	<00	1	1.70	
	24.4 - 24.5 Silicious bio	gneiss. No foliation						[	
	30.9 - 31.5 Orthogneiss								
	38.5 - 40.0 Broken Zones,	likely not faulting, however.				-			
46.1 57.3	Limy calc-silicate with minor m	arble and pegmatite. Banded light to mediu	m green diopside, white						
	granular calcite, creamy q	uartz(?), with local minor orange garnet.	Patchy coarse dark						
	green hornblende common over	er the first metre, very minor thereafter.	Marble from 46.9 -						
1	47.3, and somewhat random	thereafter. Usually is granular grey and g	reen, often intimately		1	1	1		

Drill Hole	Hecord			Cominco							
Property CK PRI	PERTY	District	Hole No. CK81-8								
Commenced		Location	Tests at	Hor, Comp.							
Completed		Core Size	Corr. Dip	Verl. Comp.							
Co-ordinates			True Brg.	Logged by			]		ģ		
Objective			% Recov.	Date			Claim	Brg.	Collar	Elev.	
Rockace metres	Description				Sample No.	Length		lysis		<u> </u>	I T
46.1 57.	3 foliation	i is consistent at 80°.					-		-		1
			11 TO THE STATE OF THE SECOND STATE OF THE SEC		1		1	-	1		ľ
57.3 60.	O Silicious biot	ite gneiss - fine grained	overall black, with dark grey matrix	t. Central 🗐 is				1			Ť
	coarse pe	gmatite. Locally bio-gnei	ss is gradational to silicious calc-	silicate - dark and			1	1	1		1
	light gre	en. Small fuzzy garnets s	omewhat locally developed. 1 cm of	almost massive pyrit	e		~			1	1
	at the ba	ise of the pegmatite. Last	piece of core is gouge-like. Folia	tion is constant			1				1
	at 65 <sup>0</sup> .					1	-		-		1
	END OF HOLE -	60.0 m					-	<del> </del>		-	-
	No significant	t intersection, but a pyrit	ic zone that underlies the zone in h	nole CK81-7 is	<del> </del>			-	-	-	+
			so a hair's width of ZnS was seen wi		-	+	-}	+	1-	<del> </del>	1
-			S has been "pegmatited" out in this		-	-	1-	+	-	-	ŀ
	_ <b>}</b>		7% Zn, <0.01% Pb				1		1	1	1
											I
		<u> </u>			_	_				ļ	-
					_		-		-	-	
					_	_	-	-	-		-
			<del></del>		<del>-  </del>						+
					+	-			<del> </del>	-	

_ C	Orill Hole F	Record			Comineo							
P	roperty CK	PROPERTY	District	Hote No. CK81-9								
C	commenced		Location	Tests at	Hor. Comp.				1			
c	Completed		Core Size	Corr. Dip	Vert. Comp.			]	1			
C	o-ordinales			True Brg.	Logged by					g		Ĺ
<u>o</u>	bjective			% Recov.	Date			Haim.	Brg.	Collar	Elev.	enath
	xxxxxx metres	Description				Sample No.	Length	Ana		T	<u> </u>	-  -
1	13.2 50.5	28.0 - 31	.O Patches and intergrowth	ns of black biotite, locally chlo	ritized, may have pyrite							ĺ
-				ch over the first 10 cm, then alm			1		-	1		
			Foliation suggested at							1		-
-		37.6 - 40	.2 Orthogneiss - typical,	with no foliation. Has zones of	bleaching, and becomes							
1			coarser grained over th	ne last half of this section.								
		41.5 - 41	.8 Broken Zone.									L
		44.0 - 44	.3 Broken Zone.									
-		44.3 - 50	.5 Mixed medium and coarse	grained pegmatite, locally look	ing more like a fine		<u> </u>			L		L
			grained intrusive. Pat	tchy fine biotite suggests this m	ay have been (locally)		<u> </u>			1		L
-			originally a biotite gr	neiss.		<u> </u>	-	-	-		<u> </u>	-
-	50.5 56.0	Orthogneiss, w	ith a thin silicious bioti	te gneiss unit.						-		-
		50.5 - 52	.4 Whitish to cream white	(bleached?) orthogneiss with fin	e to medium grained		l		]		<u> </u>	
			granular matrix and ver	ry low mafic content. Small musc	ovite flakes throughout			.			<u> </u>	
-			in minor amounts. Qui	te broken.								
		52.4 - 52		fine grained silicious biotite	gneiss, showing minor		<u> </u>	_	<u> </u>			Ļ
			local bleaching. Fol	iation moderate at 60°.			-		-		-	{-
-	56.0 66.1	Pegmatite - Co	arse grained and fairly ty	oical, but is quite biotite rich	as large grains, and					-		-
- [		1		ons of bleached biotite gneiss of	minor orthogneiss or			J		1		-
		pegmatize	d biotite gneiss. Foliatio	on at 55 <sup>0</sup> where apparent.	manufacture and the second sec	_		ļ		J		1
		66.1 - EN	D OF HOLE - No mineralize	ed intersection.			1	_		1:		<u>J.</u>

211-9437

Drill Hole R				6		90	E	E 0	Sheet -
Commenced March		6.7 m		_		-450	,655	-:	
	0	6.7 m	<del></del>	STRAT	266	<u>a</u>		99	O)
00 0.0	995, 35+45E True Brg. 266 <sup>0</sup> Logged by M.R		11		l	r Dip	.	<b>s</b>	įκ
Objective To fur	ther test the I.P. anomaly encountered on line % Recov. Date March 3	, 1981		Claim	Brg.	Collar	Elev.	ength	Hole No.
36+005		Sample	Length	Analy		<u>o</u>	<u>w  </u>	<u>. ]:</u>	<u> </u>
rom to	Description	No.	Lengin,						
0 4.2	Casing - Overburden						ļ		
			ļ	1			ıJ		
4.2 8.1	Pegmatite - Medium to coarse grained, grey and white, with disseminated chloritized biotite		.	ì		ļ!	jl		
	flakes locally. Some oxidized fractures due to surface oxidation. No foliation.			<u> </u>					
			<u> </u>	ļ		<b> </b>	<u> </u>	_	
8.1 8.9	Coarse biotite gneiss - altered and bleached so most mica is now silvery muscovite. Cut through		ļ		_				
	by several fractures semi-parallel to core, all with rusty oxidation products. Foliation		ļ	ļ					
	at 40 <sup>0</sup> .		ļ.—	ļ		ļ	<u> </u>		
			.						
8.9 11.2	Pegmatite - Very coarse grained creamy yellow-white and grey. Mafics are absent. Several			<b> </b>					
	fractures at 60°.		<u> </u>	.					
			ļ	ļ		<u> </u>	ļ!		
11.2 13.2			ļ	.		ļ			
	to a silvery-grey, with random undulatory foliations. Pegmatite is usually "interbedded,		ļ		ļ	-	<b> </b> '		
	but can also be obviously cross-cutting. Foliation - variable 45° - 30°.			.			ļ		
			<b></b>	.	ļ	<u> </u>	<b> </b>		
13.2 50.5	Pegmatite - Very coarse grained grey and white. Quite typical of much that is present throughout	<b> </b>	<del> </del>	.	ļ	ļ			
	the property. Core is fairly much the same throughout its length, but varies locally in a	<b> </b> _			ļ				
	few features:	. <del></del> -	<b></b>	<u> </u>					
	19.0 - Possible small fault zone	ļ	<del> </del>		ļ	ļ	<u> </u> _		
	19.4 - 22.0 Orthogneiss, or fine grained intrusive. Weak foliation at 65°.	ļ	<b>-</b>	-	<del> </del>		ļ		
	25.0 Takes on a feint greenish tinge.	<u> </u>		.L	<u></u>	1	L	1	

