DIAMOND DRILLING REPORT

CLAIR 21 CLAIM

Fort Steele Mining Division

St. Mary Lake Area

GEOLOGICAL BRANCH ASSESSMENT REPORT

Lat: 49<sup>0</sup> 41' 35"

12,126 Long: 116° 11' 19"

Cominco Ltd.

Kootenay Exploration 1051 Industrial Road No. 2 Cranbrook, B.C. V1C 4K7

Work Performed during October to December, 1983

Report by:

P. Klewchuk Geologist

Under the Supervision of:

D. Anderson Project Geologist

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#### COMINCO LTD.

### EXPLORATION

## WESTERN DISTRICT

#### DIAMOND DRILLING REPORT

#### CLAIR 21 MINERAL CLAIM

## Fort Steele Mining Division

#### 1.00 GENERAL STATEMENT

This report outlines the results of a diamond drill hole on the Clair 21 mineral claim.

The work was performed between October 7, 1984 and December 20 1984.

Total expenditures related to the diamond drilling program amounted to \$120,114.28.

#### 2.00 INTRODUCTION

# 2.10 Status of Ownership

The Clair 21 mineral claim is 100% Cominco owned.

### 2.20 Location and Access

The Clair 21 mineral claim is located 15 killometers west of Kimberley, B.C. Access to the drill site as via the St. Mary Lake road, a logging road along Matthew Creek and a 2 kilometer bulldozer road south up a tributary to Matthew Creek.

The collar of DDH C-83-1 is located on Clair 21 mineral claim at latitude  $49^{\circ}$  41' 35" and longitude  $116^{\circ}$  11' 19", at an elevation of 1735 m.

#### 2.30 General Character of the Area

The topography on the Clair 21 mineral claim is moderate adjacent to Matthew Creek and rugged elsewhere. Elevations range from 1500 m to 2200 m. Part of the mineral claim near Matthew Creek has been recently logged. Elsewhere the timber consists predominantly of balsam fir, hemlock, spruce, pine and larch.

#### 3.00 DIAMOND DRILLING

One hole, DDH C-83-1 was drilled to a depth of  $850.0\,\mathrm{m}$  from surface. Core size is HQ to  $617.1\,\mathrm{m}$  and NQ from  $617.1\,\mathrm{m}$  to

850.0 m. Rocks intersected by the drilling are fine grained siliceous metasediments of the Helikian Aldridge Formation and intrusive gabbroic masses interpreted to be sills. Aldridge Formation lithologies present in the core are quartzitic wacke, quartz wacke, quartz arenite and wacke. The sediments are predominantly thin to medium bedded but range from laminated to thick bedded. A metamorphic alteration is present throughout the core and is usually manifested as a biotitic overprint. Narrow zones of tourmalinite occur lower in the hole. Minor sulfides are present; both pyrite and pyrrhotite occur in very minor quantities as disseminations and narrow veinlets. Sphalerite and galena are present in larger fractures at a depth of 120-125 m. No sulphides of any economic importance were intersected by the drill hole.

The drill program was under the direction of P. Klewchuk and supervised by D. Anderson.

Nine Sperry Sun Single Shot orientation survey tests were taken at various depths in the hole. Details are included in the diamond drill log. The core is stored at Sullivan Mine, Kimberley, B.C.

#### 4.00 CONCLUSIONS

DDH C-83-1, drilled on the Clair 21 mineral claim intersected metasedimentary rocks of the Aldridge Formation as well as intrusive gabbro. No sulphide mineralization of any economic significance was cored.

# EXHIBIT "A"

# STATEMENT OF EXPENDITURES

# DIAMOND DRILLING - CLAIR 21 CLAIM

# FORT STEELE MINING DIVISION

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P. Klewchuk - Geologist, Field, planning, supervision & core logging - 24 days @ \$210/day	\$ 5,040.00
P. Klewchuk - Geologist, Report & Map Preparation 2 days @ \$210/day	420.00
Mob/Demob	
Cominco Ltd Kimberley - Hiab	2,170.61
Road Access	,
Cominco Ltd Kimberley - Bulldozer	677.40
W. Barker Contracting Ltd., Kimberley, B.C.	5,965.50
Other	
Supplies - Core boxes, mud etc.	10,296.13
Transportation - 4x4 truck - 24 days @ \$40/day	960.00
Direct	
Longyear Canada Inc., 721 Aldford Avenue Annacis Island, New Westminster, B.C. V3M 5P5	94,584.64

P. KLEWCHUK Geologist Total Cost = \$120,114.28

#### IN THE MATTER OF THE

### B.C. MINERAL ACT

AND

IN THE MATTER OF A DIAMOND DRILL PROGRAMME CARRIED OUT ON THE CLAIR 21 MINERAL CLAIM

ST. MARY LAKE AREA

in the Fort Steele Mining Division of the Province of British Columbia

More Particularly N.T.S. 82F/9

### AFFIDAVIT

- I, P. Klewchuk, of the City of Kimberley, in the Province of British Columbia, make Oath and say:
- That I am employed as a Geologist by Cominco Ltd. 1. and as such, have a personal knowledge of the facts to which I hereinafter depose:
- 2. That annexed here and marked as Exhibit "A" to this my Affidavi: is a true copy of expenditures incurred on a Diamond Drill programme, on the Clair 21 Mineral Claim.
- That the said expenditures were incurred between 3. the 7th day of October, 1983 and the 20th day of December, 1983, for the purpose of mineral exploration on the above noted claim.

P. KLEWCHUK

Klender

Geologist

## COMINCO LTD.

## **EXPLORATION**

WESTERN DISTRICT

## AUTHOR'S QUALIFICATIONS

As author of this report I, Peter Klewchuk certify that:

I am employed by Cominco Ltd. as a geologist active in minerals exploration.

I am a graduate of the University of British Columbia with a degree of Bachelor of Science and a graduate of the University of Calgary with a degree of Master of Science.

I have been continuously engaged in geology and mineral exploration for 12 years.

I am a member of the Geological Association of Canada.

Geologist

Report by:

Geologist

Endorsed by:

D. ANDERSON, P.Eng.

Project Geologist

Approved by:

J.M. HAMILTON,

Chief Geologist

Kimberley

Approved for Release by:

G. HARDEN, Manager Exploration

Western District

Vancouver

Mining Recorder (2 copies) xc: Western District, Exploration Kootenay Exploration

50.1	R t. 10, 1983	District Location Core Size HQ - NQ	Hole No. Tests at Corr. Dip	C-83-1 See Page 29 Collar Dip -90 <sup>0</sup>	Hor. Comp.						į
	c. 20, 1983	0000000	True Brg.		Logged by P.			1	1. 1	å	}
Co-ordinates	igraphic Test		% Recov.	>99%	Date Decem	ber 198	33	Clain	T Brg.	Sollar Flev	
Objective Strat	Igraphic lest							Änal	4	<u>ර කි</u>	<u></u>
Footage	Description					Sample No.	Length	Anai	7513		
From To	1				<del></del>	- ·			П		
	Lithologic abbrevi	ations used in log: SW -				+ -		1	$\vdash$		$\neg$
			Wacke	· · · · · · · · · · · · · · · · · · ·		<del></del>		1	$\Box$	$\neg \uparrow$	_
			Quartzitic Wacke			<del> </del>			1		_
			Quartz Wacke				+	1	1		_
		QAr -	Quartz Arenite				<del>  </del>	1	$\Box$		
Meters						_	†	†	$\vdash$		_
0 - 7.3	Overburden					<del>                                     </del>	+	<del>                                     </del>	1 7		_
						<del>                                     </del>	+	┪━	+-+		_
7.3 - 10.0	Triconed bedrock:	no core: casing to 10.0 m	<b></b>				+-	+-	+-		
	ALDRIDGE FORMATION							+-	+-1		_
10.0 - 25.5	QeW, minor W.						+	┼-	+ +	$\Box$	
	Medium bedded	, few thick beds. 15% is	thin bedded to la	minated. Dark blue-g	ray color	<del> </del>	╅	╅╾	1-		_
	with strong a	lteration evident, Local	ly porphyroblastic	development of serio	ite, biotite	+	┪	+-	+		_
	and po is ev	dent				<del></del>	+-	<del> </del> -	+		_
	Narrow quarts	veins 5 mm - 1 cm wide o	ccur through the i	nterval; typically ru	sty from		+	+-	+		
	surface weat	nering of py and po, both	of which are prese	nt. Core is quite br	oken	-†~		╅┈	+-		_
	through much	of the zone.		<u> </u>					+-	<del>   </del>	_
	16.0 - 16.2	n altered zone of quartz,	po/py and chlorite		<del></del> -			╅╴	+	<del>                                     </del>	_
	24.5 - 25.5	n thin bedded to laminated	with local disrup	tion - folding and nu	merous	_ <del>                                     </del>	<del></del>	+-	+-	+	_
		ragged rip-up clasts. N	arrow zones contai	n soft sediment defor	mation				+	<del>{-  </del>	
	<del>                                     </del>	features, probably due t	o minor slumping.	Grains of aspy to 4	mn	+-	+	-	+-	++	_
\		diameter are developed p	referentially alor	g bedding planes or	laminae.	<u> </u>				1 1	

Deanarts.	District	Hole No. C-83-1	<del></del>			'		
Property	Location	Tests at	Hor. Comp.			' ا	1	1
Commenced	Core Size	Corr. Dip	Vert. Comp.	<u> </u>		- ⊢		۵
Completed		True Brg.	Logged by			-  '		r Dip
Co-ordinates		% Recov.	Date			Claim	8	Collar
Objective				1,		O Anni	<u></u> —	10
Footage	Description			Sample No.	Length		二	工
from To Mete	ers	40° 17.7 m =37°.	21.6 m -45 <sup>0</sup>	Π	_l			
10.0 - 25.5	dont'd Bedding angle 10.4 m -30;	13.7 m -40°; 17.7 m -37°;	21.0 m	1				
	25.0 m -50°.			1	1			
				+-	1	$\top$		
25.5 - 69.5	2 QW & QAr, minor QcW, W.		2 4-14-7	+	+	1-	+-	+
	Western to thick bedded approximately 5% 1	thin bedded - laminated wacke	e, Quartzites	+-	+-	+	1	$\top$
	are tunically light gray colored - more as	argillaceous, wacke-rich sedin	ments are a darker		-	+	+	+
	blue-gray color. A moderately strong alte	teration is evident throughout	It the Hiter Anti-	-	+-	+	+	+
<del> </del>	warma quartzites are typically slightly r	mottled in character with a 1	reticulate network			+-	+	+
<del></del>	of weinlet-like concentrations of mafic m	minerals. Some thick quartzing	ites are faintly		-	+	+	+
	(atomally leminated, Load features - co	onvoluted bedding and flame st	structures are	<del></del>	+-	+-	+-	+
	present at some quartzite-wacke contacts.	. Upper wacke portions of qui	lartzite bous	-+-		+-	+	+
	tumically contain elongate rip-up clasts	and lenses of silt or argill:	Iite.		-	+-	+	+
<b> </b>	26.4 m A 0.5 cn quartz-py vein co	ontains a few grains of galen	18.	+-	$\rightarrow$	+-	+	+
<u> </u>	34.1 - 34.8 m Biotitic laminated zone -	narrow graded beds.			<del></del>	+	+	+
	the same of lowings	ted wacke which is disrupted;	; individual			+	+	+
	49.1 m 10 cm wide zone of familiar	d folded. Minor po is presen	Δt			+	+	+
		nated W and QcW are more comm	mon (15-20%).				+	4
	Below 53.0 m Zones of thin bedded-lamin	s is typically irregular with	h lenses of more				_	-
	Bedding within these and larger	18 typicara,					4	4
	sandy or more argillaceous	, indicated by low bedding ang	wles to core axis.				$\perp$	_
	65.0 - 66.2 m Some folding present here  Bedding angle: 27.4 m -50°; 34.0 m -60°	indicated by ion so	O. 47 3 m =35°			L	Ĺ	

roperty	District	Hole No. C-83-1	<b>◆→</b>	_						
Commenced	Location	Tests at	Hor. Comp.			╛			'	
ompleted	Core Size	Carr. Dip	Vert. Comp.			]		1	'	
o-ordinates		. True Brg.	Logged by			].	1	Ö	'	
bjective		% Recov.	Date			Claim	B <sub>4</sub> 0	Collar Dip	خ	ength
	1-1-1-1					10			Elev.	řě
om Tometers	Description			Sample No.	Length	Anar	alysis	1	<del></del>	_
25.5 - 69.2		5°; 56.4 m -45°; 58.8 m -35°; 61	.6 m - 50°;	1	+		+			$\vdash$
<u></u>		0°; 67.0 m -35°; 69.2 m -50°.		+	+	+	+	-	<del>                                     </del>	
		1 0110 11 00 1 00 1		+	+	+	+	$\vdash$	+	$\vdash$
9.2 - 75.6	WACKE minor QcW, Subwacke		<del></del>		+	_	+	<del>                                     </del>	+	$\Box$
	Thin bedded-laminated, few medium beds	Greenish-grev to dark bluish-g	rav color: strongly	+-	+	+	<del> </del>	<del> </del>		
	altered with local development of smal			1					1	$\Gamma$
-	and thin beds range from <a href="mailto:smrthick">smrthick</a> to				+	+	+-	1		
	Small scale ripple cross laminations a				+	_	+-	$\vdash$		$\Box$
	planar character with individual lamin						$\top$	$\vdash$		
	across the core, changing lithologic (									
	A few local irregular patches of pyrrh									$\overline{}$
	present. Bedding angle: 71.3 m -55°									$\overline{}$
										$\overline{\Box}$
5.6 - 83.5	QW & QAr ~ 10% QcW & W		-							
	Bedding varies from thick bedded quarts	zites to laminated wacke. Medium	gray to medium							
	blue-gray color. Quartzites generally	have a massive, slightly mottled	texture with							$\Box$
	slight mafic segregations along interna			1			$\Box'$			Ē
	developed to form a reticulate network	. QcW & W are only present below	80.8 m where							
	they comprise about 20% of the remaining	ng interval. Laminated wacke & Q	cW zones up to		'					Ĺ
	20 cm thick are interbedded with blue-			$T_{-}$						
	are present within the laminated wacke							['		_
	quartzite units. Bedding angle: 82.0				I		['			Ĺ

Drill Hole Record			Cominco Pi	age 4			}	
Property	District	Hole No. C-83-1						
Commenced	Location	Tests at	Hor, Comp.			]	İ	
Completed	Core Size	Corr. Dip	Vert. Comp.			7		
Co-ordinates		True Brg.	Logged by			]		合
Objective		% Recov.	Date			Ciain Liain	Brg.	Sollar
Footage Description				Sample No.	Length	Anal	<u> </u>	10
83.5 - 117.0 QcW and W	minor OV				1		Γ	_
		dded, with a few thick beds in uppe	er part of interval	1		1	$\vdash$	
		blue gray with some brown biotitic						
		comprised of alternating thin or me		1	1	<del>                                     </del>	†	_
		minated wacke and OcW. Commonly th		<del>                                     </del>	<del>                                     </del>	_	_	<del>,                                     </del>
		ar bedding with lenses and rip-up			1	<del>                                     </del>		<u> </u>
		ching evident along numerous fracti		1	$\top$	1	1	
		dspar within some beds and biotite			1	1	-	
	or pyrrhotite and/or pyrite are pr	•	All Villosof		1	1	1-	
		-55°: 92.4 m -61°: 99.0 m -60°	101 8 m -55 <sup>0</sup>	_	1	1		
- Beac	104 6 m _550 · 107 0	m -50°; 111.3 m -55°; 114.3 m -	-55 <sup>0</sup>	1			T	1
	104.0 1100 , 101.0	111 -00 1 11110 10 10 1 11110 10					1	
117.0 - 150.8 QW, minor	QAr 15% QcW and W							
Medi	um-thick bedded with QcW & W zone	es medium-thin bedded and laminated	i. Quartzites		ļ	<del>  </del>	<u> </u>	_
are	light-medium gray varying to darl	k bluish-gray. Some wacke-rich zon	nes are brownish		ļ	1	<u>L</u>	<b> </b> _
colo	red due to presence of biotite.	Character of quartzites and lamine	ted wacke zones			ļ.,	<del> </del> _	↓
iss	imilar to overlying intervals wi	th mottled-weakly laminated quartz	ites and irregularly	<del>-</del> -		↓	<b>_</b>	<b> </b>
	edded, locally with slump breccis	a wacke zones. At 119.8 m and 124.	4 m, ZnS, PoS and	<del></del>	ļ	<del> </del>	Ļ.	ļ
Po i	n narrow veinlets. 124.7 - 125.9	9 m Sulfides present along fractu	res - ZnS, PbS and	_	<u> </u>	<del> </del>	<del> </del> _	<b> </b>
		gular, some have quartz and chlorite			J	_	<u> </u>	ļ
		wartz and chlorite) Est 2.5% Pb +					1	

Property	District	Hole No. C-83-1				1		'	
Commenced	Location	Tests at	Hor. Comp.					1 '	
Completed	Core Size	Corr. Dio	Vert. Comp.			7		'	
Co-ordinates		True Brg.	Logged by			7		ē '	
Objective		% Recov.	Date			Ę	e Ģ	Collar Dip	
Objective						_ Q		3	Elev.
Footage	Description			Sample No.	Length	Ana	lysis	<del></del> -	_
From To mete	-		21 1 = _50 <sup>0</sup> .	1100	-	+-	+	<del> </del>	+
117.0 - 150.8	dont'd Bedding angle: 118.3 m -60; 118 135.7 m -60°: 142.7 m -60°; 149	8.9 m -00 ; 120.0 -50 , 10.	1.1 m -w ,	+-	+	+	+-	+	+
<del> </del>	135.7 m -00 ; 142.7 m -00 , 140	,4 moo		+	-	+	+	+	+
155 8 155 5				+	+	+	+	+	+
150.8 - 103.0	QeW and W minor QW  Medium bedded; wacke zones are typically lamin	ented and etrongly altered t	niotitic bleaching	+	+	+	+	+	+
	and silicification are common in siliceous zon			+	+	1	1	+	t
	of bedding is evident in the laminated wacke:			+	+	+	+	+	+
	folding common. Small concretions (2x3 cm) wi			+	+	1	+	1	1
	are locally present. Minor po occurs as vein		nd bavvar	1			1	1_	t
	Bedding angle: 153.4 m -50°: 158.2 m -60°:	160 4 m -45°: 164.6 m -65°	. د	1	1			<del> </del> -	
	DOUBLINK MIRADI. 1001-7 III AVVIN III AVVIN III	100, 1,00	<u> </u>		1	1_			t
165.5 - 166.6	CAPPEO			1	T	1_			
165.5 - 100.0	Fine grained, dark green, quite mafic-rich.	Namerous chloritic veinlets	at different			1_			
	attitudes - from 0° to 85° to core axis. Com	ntact at 165.5 m is // to bed	iding at 60°						
	to core axis; contact at 166.6 m, is sharp and						$\mathbf{L}$		
<del> </del>	to c.a. No bedding is recognizable in immedia	ately underlying meta sedime	ents.		$I_{-}$			$\Box'$	1
						$\perp$		⊥_′	1
166 6 - 168.1	META SEDIMENTS			$\Box$		1		<u> </u> '	1
15015	Very strongly altered sediments. Dark gray-b	prown color with bleaching al	long numerous					<u> </u> '	1
	veinlets. Original lithology unrecognizable							'	1
	was probably similar to 150.8 - 165.5 m inter			<u> </u>		$\perp$	1_	<u>↓'</u>	1
	due to alteration but occur at 25-300 to core					<u></u>	<u> </u>	'ـــــــــــــــــــــــــــــــــــــ	1

			COMINGO Page					
Property	District	Hole No. C-83-1				}	}	}
Commenced	Location	Tests at	Hur. Comp.			1	Ì	
Completed	Core Size	Corr. Dip	Vert. Comp.			.]		
Co-ordinates		True Brg.	Logged by			.		å
Objective		% Recov.	Date			Claim	979	rallo.
1				<del></del>	<del>-,</del>	℧	Ε	8
From To meters GABBRO				Sample No.	Length	Analy	/518	
168.1 - 316.6 168.1 - 17	70.0 m Dark green, fine-grained	locally medium grained, chloritie	and biotitic.					
	Dark gray quartz (and fel	dspar ?) are difficult to disting	ish from mafic					
	minerals and the rock app	ears much more mafic in character	than it actually					
	is. Quartz + chlorite +	calcite stringers are present.						Ш
170.0 - 17	0.4 m Dark green to gray-green,	fine medium grained. Moderately	strongly foliated					
	at 50° to core axis. Chi	oritic and biotitic. Some local	irregularity in					
	the foliation - this may	be a flow structure but chlorite	levelopment and					$\square$
	local quartz-calcite veir	ning parallel to foliation indicate	some tectonic					$\Box$
	movement.							
170.4 - 20	5.5 m Dark green, medium-coarse	grained. Dark gray quartz and w	nite feldspar					
	locally provide a speckle	ed texture. Narrow stringers of on	martz + chlorite +					
	calcite + feldspar are pr	resent; most are 1-2 mm wide, rare	ly to 5 mm, and					
	occur at various orientat	ions. At 174 m a 1.5 cm wide chic	oritic zone cuts					
	the core at 25°. At 179.	4 m a 10 cm wide foliated chlorit;	ic zone at 45°					
	contains minor po. Bioti	te and pyrrhotite are common adjac	ent to this					
	foliated zone and minor of	my is present. Typically the gab	pro is hornblendic		J	L		
	(with hornblende altering	to chlorite) with minor biotite;	ind only very	 				<u> </u>
	minor po. At 181.1 a 2	om wide quartz-fp vein at 15° cont	ains biotite		1			$\vdash$
	and minor cov. At 183.8	m a 5-7 cm wide quartz vein occur	at 20 <sup>0</sup> and		<b>_</b>	$\sqcup$		<u> </u>
		d white feldspar, Nargins of the vein 3 cm wide at 55° At 189.3				11		<del></del>

$\overline{}$	Property		District	Hole No. C-83-1	····				1		
ľ	Commenced		Location	Tests at	Hor. Comp.						
ļ	Completed		Core Size	Corr. Dip	Vert. Comp.			]	ł		1
¢	Co-ordinates			True Brg.	Logged by			_]		ģ	
ŀ	Objective			% Recov.	Date			Claim	Bro	Collar Dip	ج ا
-		<del></del>							_!⊢		Elev.
	Footage From To <u>meter</u>	Description				Sample No.	Length	Anar	llysis	_	$\overline{}$
-			chloritic biotitic zon	ne occurs at 45°. Po and minor cp	ov are present. At		1-	+	_	_	+
г	cont'd	cont'd		Coliated zone (probably a minor sh		_	+-	+	+	+	+
۲	DIL'U	Cont u		eining with chlorite and biotite.		<del></del>	+	+	+	+	+
1		+		obro immediately adjacent to the si			+	+	+	+	+
+		<del> </del>		nt within the gabbro elsewhere. A		_	+	+-	+	+	+
+		+		ith po and minor cpy. At 200.6 m :		<del>                                      </del>	+	+	+	+	+
+		+		to 4 cm wide over 15 cm of core w			+	+	+	+	+
+		<del>                                     </del>					+	+-	+	+	+
卜		<del> </del>		tite uniform in texture; medium-compatite folderer At 204 lm 12 cm a		-	+	+	$\vdash$	+	+
+		+		white feldspar. At 204.1 m 12 cm i		+	+	+	+	<del>                                      </del>	+
F				with quartz-chlorite-biotite ve		+	+-	+	+-	+-	+
H		+		O cm wide foliated zone contains	chtorite, retuspat,		+	+	+	+	+
H	•		biotite, minor po and ve		had ad	+	+	+	$\vdash$	+	+
+		205.5 - 208.5 m		- fractured and foliated throughout high angle (50°-80°) contains min		+-	+-	+-	+	+-	+
+		<del>                                     </del>	prominant foliation at 1		nor po, railly		+	+-	+	$\vdash$	+
$\vdash$		200 5 200 4 =		eldspar speckles. Typical coarse	- croined granular	<del></del>	+	+	<del> </del> -	_	+
$\vdash$		208.5 - 229.4 m		At 212.6 m 12 cm wide zone is fol:		+	+	+	+	$\vdash$	+
-	<del></del>	.+		At 212.6 m 12 cm wide zone is 101: ment and minor po with very minor		+	+-	+	+	-	+
-		<del></del>			CDy. Rt a20.0	+	+	+-	+		+
+			1 cm wide quartz-calcite		biotita no &		+	+	+	$\vdash$	+
+		229.4 - 231.0 m		e with 25-30% quartz veining. Min			+	+	1-	$\vdash$	+
F	<del></del>	<del></del>	cpy are present, rollar	tion occurs most prominantly at 6	<u>u .</u>	+-	+	+	+	<del> </del>	+

Completed Core Size Corr. Dip Vert. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinates True Brg. Logged by  Objective %. Recov. Date  Sample Inquir. Sample Inq	Property		District	Hole No. C-83-1	<b>**</b>						
Co-ordinates  True Brg. Logged by  E Co-ordinates  Necov. Date  Sample Recov.  Description  From Yo meters  168.1 - 316.6 231.0 - 243.1 m Granular textured, dark green-white gabbro medium-coarse grained. At 236.1 m  Cont'd 10 cm wide foliated quartz-chlorite zone with biotite, minor po. Foliated from 239.8 m to 240.2 m with quartz-feldspar veining, chlorite, minor po and cpy.  243.1 - 244.7 m Mottled, more fine-grained (medium grained) with chlorite common. Weak foliation at 80°, quartz vein at 242.4 m 10 cm wide with ~ 15% po.  244.7 - 246.3 m Dark green, medium-coarse grained granular texture. Few very narrow quartz and quartz-calcite stringers.  246.3 - 247.4 m Biotitic, weakly foliated with quartz stringers parallel to foliation at 50°.  247.4 - 286.3 m Dark green to dark greenish gray medium-coarse grained, granular texture.  Numerous very narrow quartz stringers, at high angles to core axis (>40°),  locally with minor po and very minor cpy. At 284.6 m 8 cm wide zone of healed brecciation with quartz-feldspar veining. At 287.1 m 30 cm zone of foliated and brecciated (healed) gabbro with minor quartz-feldspar veining.  Minor po occurs along quartz veins. Foliation occurs at about 45°. At 268.6 m 3 cm wide quartz-feldspar vein at 35°; feldspar is light pink in color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with associated apparently irregular masses of quartz development - one of these	Commenced		Location	Tests at	Hor. Comp.				1	-	
Cobjective % Recov. Date    Coolage    Completed		Core Size	Corr. Dip	Vert. Comp.			1				
Description  Footage Footage To meters  168.1 - 316.6 231.0 - 243.1 m Granular textured, dark green-white gabbro medium-coarse grained. At 236.1 m  Cont'd  10 cm wide foliated quartz-chlorite zone with biotite, minor po. Foliated from 239.8 m to 240.2 m with quartz-feldspar veining, chlorite, minor po and cpy.  243.1 - 244.7 m Nottled, more fine-grained (medium grained) with chlorite common. Wask foliation at 80°, quartz vein at 242.4 m 10 cm wide with ~ 15% po.  244.7 - 246.3 m Dark green, medium-coarse grained granular texture. Few very narrow quartz and quartz-calcite stringers.  246.3 - 247.4 m Biotitic, weakly foliated with quartz stringers parallel to foliation at 50°.  247.4 - 286.3 m Dark green to dark greenish gray medium-coarse grained, granular texture. Numerous very narrow quartz stringers, at high angles to core axis (>40°), locally with minor po and very minor cpy. At 264.6 m 8 cm wide zone of healed brecciation with quartz-feldspar veining. At 267.1 m 30 cm zone of foliated and brecciated (healed) gabbro with minor quartz-feldspar veining.  Minor po occurs along quartz veins. Foliation occurs at about 45°. At 268.6 m 3 cm wide quartz-feldspar vein at 33°; feldspar is light pink in color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with associated apparently irregular masses of quartz development - one of these	Co-ordinates			True Brg.			-	1		ä	
Description  To meters  Description  Description  Description  To meters  Description  Descripti	Objective			% Recov.				<u></u>	Brg.	1 -	
Cont'd  10 cm wide foliated quartz-chlorite zone with biotite, minor po. Foliated  from 239.8 m to 240.2 m with quartz-feldspar veining, chlorite, minor po and  cpy.  243.1 - 244.7 m Nottled, more fine-grained (medium grained) with chlorite common. Weak  foliation at 60°, quartz vein at 242.4 m 10 cm wide with ~ 15% po.  244.7 - 246.3 m Dark green, medium-coarse grained granular texture. Few very narrow quartz  and quartz-calcite stringers.  246.3 - 247.4 m Biotitic, weakly foliated with quartz stringers parallel to foliation at 50°.  247.4 - 286.3 m Dark green to dark greenish gray medium-coarse grained, granular texture.  Numerous very narrow quartz stringers, at high angles to core axis (>40°),  locally with minor po and very minor cpy. At 264.6 m 8 cm wide zone of  healed brecciation with quartz-feldspar veining. At 267.1 m 30 cm zone of  foliated and brecciated (healed) gabbro with minor quartz-feldspar veining.  Minor po occurs along quartz veins. Foliation occurs at about 45°. At  268.6 m 3 cm wide quartz-feldspar vein at 35°; feldspar is light pink in  color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with  associated apparently irregular masses of quartz development - one of these		Description			<del></del>		Length	IO A	<u> </u>	<del></del>	 
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foliated and brecciated (healed) gabbro with minor quartz-feldspar veining.  Minor po occurs along quartz veins. Foliation occurs at about 45°. At  268.6 m 3 cm wide quartz-feldspar vein at 35°; feldspar is light pink in  color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with  associated apparently irregular masses of quartz development - one of these	<u> </u>		••			1	1	+	T	+	†
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268.6 m 3 cm wide quartz-feldspar vein at 35°; feldspar is light pink in  color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with  associated apparently irregular masses of quartz development - one of these			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		+	+	+	<del> </del>	+	+
color. Minor po is present. Near 272.9 m 50 cm of core is biotitic with associated apparently irregular masses of quartz development - one of these						+	+	+	-	+-	+
associated apparently irregular masses of quartz development - one of these		+				+	-		$\vdash$	_	+
		-				+	+	+	+	+	+
handered as an on market matter he mitely motive ohl men menonement us				· · · · · · · · · · · · · · · · · · ·		+	+	<del>                                     </del>		+	1
narrow quartz veins within this interval. Concentration of sulphides is	<del></del>	-		· ·		1		_	$\vdash$	$\vdash$	-
1	<del></del>	<del></del>	est. << <u>}%.</u>	<del></del>		+	+	+	+	+-	-

Drill Hole R	ecord -		Cominco Pa	ge 9				
Property	District	Hole No. C-83-1					'	
Commenced	Location	Tests at	Hor. Comp.			4	] '	j
Completed	Core Size	Corr. Dip	Vert. Comp.			4	'	
Co-ordinates		True Brg.	Logged by			4_	<u> </u>	g
Objective		% Recov.	Date			Claim	Bro	Collar
	Description			Sample No.	Length	- <del>  V</del> (	iysis	
	286.3 - 288.1 m Mixed zone of dark green, weak	ble foliated cabbro namine :	to a mattled texture	<del>                                      </del>	+	+	+-	$\vdash$
cont'd	with very large hornblende xts			+	+	+-	+	-
	varies from 35° to 60°.							上
	288.1 - 312.3 m Generally granular textured, m	medium-coarse grained with da	irk green hornblende,		<del></del>	<u> </u>	—'	ــــــــــــــــــــــــــــــــــــــ
	white feldspar and dark gray o	quartz. Locally more coarse	grained, more			<u>_</u>	<u> </u> '	—
	mafic, biotite rich, or foliat	ted. Lighter green chlorite	is usually	<b></b>		Щ'	⊥_′	Щ.
	associated with healed fractur	res. Minor po and very minor	cpy are locally			<b></b> '	↓′	↓_
	present. At 295.7 m 15 cm of	healed foliated gabbro; chlo	ritic with folded	<del></del>	—	4	Щ'	<del> </del>
	and sheared inclusions of blui	ish-gray fine-grained rock wh	ich may be of	<del></del>		<u></u>	<u></u>	↓
	sedimentary origin. Nebulous	elongate masses of quartz ar	e present.			<del> </del>	⊥_′	4
	312.3 - 316.6 m Mafic-rich, dark green gabbro,	, locally up to 40% quartz ar	d feldspar.	<b>_</b>		<del> </del>	<u>↓_′</u>	1_
	Few 3 cm wide quartz veins at	40° to core axis.		<del> </del>		<b></b>	⊥_′	1
						<u> </u>	<u> </u>	↓_
316.6 - 318.0	META SEDIMENTS Gray to gray-green, medium-cos in hornblende; hornblendic nea	arse grained, siliceous and g ar 318.0 m. Granular texture	enerally lacking	-	+	+	<del> </del>	$\vdash$
	foliation present at about 35°			1	1	1	1-7	
						1		
318.0 - 318.4	WARTZ-FELDSPAR VEIN			1				
710.0	Coarse grained biotite occurs along seams	or veins few mm wide at 75°	to core axis	1	1	1	<b> </b>	
	7 cm wide band of 75% medium-coarse graine			1	1			
<u> </u>	vein, at 318.0 m core is broken in this in			1	1	1		
	10211) WE 2223 III 1022 ID 273101	100 1001			;			
" Usta D			<b>*</b> *	<del></del>	· · · · · · · · · · · · · · · · · · ·	<del></del>		   '
Drill Hole Re	cord		Cominco Page	10	!			,
Property	District	Hole No. C-83-1	<del></del>		,	1 1	(-1)	, 1
Commenced	Location	Tests at	Hor. Comp.			1	1 1	<sub>1</sub> 1
Completed	Core Size	Corr. Dip	Vert. Comp.		'	1	1	اما
Co-ordinates		True Brg.	Logged by			1_ 1	1. 1	Collar Dip
Objective		% Recov.	Date			Claim	T Brg.	Collar
				Teample	Length	Analy		<u>د</u>
rom To	description	<u> </u>		Sample No.	Lengui			=
10111					<b>└</b>	<u> </u>	<del>     </del>	—'
201.5								
18.4 - 321.5	ETA SEDIMENTS  Grow siliceous granular medium-coarse g	rained. Some hornblende pres	sent near quartz		<b>—</b>	$\perp$		<u></u>
118.4 - 321.5	Grey, siliceous, granular, medium-coarse g vein at 318.4 m otherwise hornblende-free.	rained. Some hormblende pre	sent near quartz on exists at 450					

			• •				i	1	1	l
Property	District	Hole No. C-83-1					1	ļ	1	
Commenced	Location	Tests at	Hor. Comp.			4	İ	1		
Completed	Core Size	Corr. Dip	Vert. Comp.			4	}			
o-ordinates		True Brg.	Logged by			4	1.	g		ءِإ
Objective		% Recov.	Date			Claim	F Brg.	Collar	Etev.	dione
			<del></del>	η	T	Ana		10	<u>u</u>	Ŀ
ootage	Description			Sample No.	Length		1	$T^{-}$	I	Г
rom To										I
<u> 18,4 - 321,5</u>	META SEDIMENTS		cont near querty	1			1			Γ
	Grey, siliceous, granular, medium-coarse	grained. Some morniblesse pre	on eviete et 450	1	-	1	1-	t	1	T
	vein at 318.4 m otherwise hornblende-fre	e. A weak to moderate icilati	On exists at 45		<del></del>	1	+	1	$\vdash$	t
	to 60° to core axis. Some variation in		banding at 60	<del>- </del>	<del> </del>	+	+	+	1	t
	to core axis but no distinctive bedding	features are present.		<del></del>	+	+	+	+	<del>† –</del>	t
					+-	┼	+	┼─	<del>}</del>	t
321.5 - 392.1	GABERO			<del></del>	+-			+-	┼—	+
	321.5 - 322.6 m Gray-green, granular, medium	-coarse grained feldspar about	30%, Numerous		<del></del>	<b>-</b>	+-	┿	┼—	+
<u> </u>	very narrow quartz veinlets.				$\bot$	-	ֈ	+	┼—	+
	322.6 - 340.2 m Dark gray-green granular med	hum-coarse grained, feldspar co	ntent variable			1		<del></del>	<b>↓</b> —	1
	but low est 10%, locally as	high as 30%. Generally more m	afic in appearance.			<u> </u>	<del> </del>	↓_	↓	1
	Very narry quartz veinlets	are common, few quartz veins o	of 3-4 cm are			1_		$\bot$	↓	1
	procent - these usually carr	y minor or very minor po and v	very minor cpy.					$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	┷	4
	Attitude of veins and veinle	ets is most commonly about 60°	to core axis.			↓_	$\perp$	$\perp$	$\downarrow$ _	1
	Minor handed cheers are loss	ally present - usually only 2-3	3 cm wide,			$\perp$				1
	minor heated shears are local	minor po and cpy. At 335.4 m	30 cm core			1_	1_	1	↓_	1
	Chieffite, occasionativ with	to core axis. light-medium a	rrav green in						$\perp$	1
	is moderately foliated at 8	vein at 85° to core axis is pre	sent.					1_		1
	color. A 3 cm wide quartz	WHILE OF TO WAR BOAR TO MA	est 25% local							
<del> </del>	340.2 - 345.7 m Similar gabbro with slightly	v increased feldspar content -	10 cm of			1		7	Т	T
	small scale variations in to	exture are present. At 340.9 m	n TO QII QA	1	1	1	1	1	$\top$	T
		th 40% quartz yeining, minor x	and CDV.			$\top$	1	1	$\uparrow$	1
1	at 50° to core axis.							—		_

7 .		2.00	Cominco Pag	,				' '	1
Property	District	Hole No. C-83-1				-	'	1	1
Commenced	Location	Tests at	Hor. Comp.		<del></del>	-		'	
Completed	Core Size	Corr. Dip	Vert. Comp.			4		1	1
Co-ordinates		True Brg.	Logged by			٦.	1_	Collar Dip	
Objective		% Recov.	Date			- E	ō		10€
				Ta ala	I	10		<u> </u> \$	回
Footage From To	Description			Sample No.	Length			$\Box$	工
321.5 - 392.1	345.7 - 392.1 m Similar gabbro with decreased feld	ispar content est. 5-10%	locally as much	Τ		L		<u>'</u>	
cont'd	as 30%. Dark gray-green color. A			T					
	minor chloritic foliation at 50° to								
	vein at 35° to core axis. Locally			Τ					
	10 cm wide quartz vein at 50° to c					I			$\Gamma$
	7 mm wide quartz vein at 15° to co			Τ		L	$\prod$		$\prod$
	At 376.5 to 376.8 m Foliated chlor			Ι		L	L		floor
	cpy and a greyish mineral, possible				$\mathbb{I}_{-}$	$\perp$		<u>.                                    </u>	$\perp$
						1		'	퇶
392.1 - 393.9	POSSIBLE META SEDIMENTS			<u> </u>		$\perp$		'	Ļ
	Medium gray-green color, non-horalmendic, sili	iceous, chloritic. If th	nese are metasediments				1_	<u>↓</u> ′	$\perp$
<u> </u>	they are intensely altered. Moderate foliation			<u>l</u>			$\perp$	<u>'</u> ــــــــــــــــــــــــــــــــــــ	$\perp$
	35-55° to core axis. Locally miner po and cpy			Ι				Ш'	$\perp$
	in chloritic foliated zones.							⊥'	$\perp$
}						L	<u></u>	<u></u> '	L
393.9 - 425.5	GARRO					L	$\bot$	<u> </u>	L
	393.9 - 423.0 m Dark gray-green granular, medium-o	marse grained. Feldspar	r content variable	]				′	$\perp$
	but low-averages about 15-20%. At							<u></u> '	L
	at 50° to core axis. At 407.9 m 1	15 cm of moderately folia	ated gabbro with			上		Щ'	Ļ
	minor quartz veining (to 1 cm wide	a) at 40° to core axis.	At 416.0 m 6 mm	<u> </u>		1_	丄	Щ'	1
· · · · · · · · · · · · · · · · · · ·	wide quartz vein at 20° to core ax			эпе		$\perp$	1_	↓′	1
···-	at 50° to core axis with minor qua					_ـــــــــــــــــــــــــــــــــــــ		'ـــــــــــــــــــــــــــــــــــــ	$\perp$

Property	District	Hole No. C-83-1	Cominco Pa	ge 12	•			
Commenced	Location	Tests at	Hor. Comp.			1		1
Completed	Core Size	Corr. Dlp	Vert, Comp.			1	'	
Co-ordinates		True Brg.	Logged by			1		a
Objective		% Recov.	Date			Ē	Đ.	olia,
						O	<u> </u>	8
Footage De	scription			Sample No.	Length	Anal	73.3	
393.9 - 425.5 42	3.0 - 425.5 m Medium-dark gray color gr	unular, medium-coarse grained, o	nuite massive.		T			П
Cont'd	<del></del>	low est <5% a weak foliation is		1				
	much of the core, at 40°							
<del> </del> -				<del> </del> -	1	1		П
425.5 - 427.1 BI	OTITE-RICH ZONE, POSSIBLE META SEDIMENTS			<del> </del>	1		1	
1 1 1 1 1 1	Dark black color medium-coarse grained	Lest 75% highlia 20% guarte I	W. Falderer	1		Т		
	minor irregular quartz veining is pre-			1	1	1	Т	
	gabbro appears gradational.	to to the said, water	WE HALL	T	1	1		
	Barry Horas Brazilia				1		1	
427.1 - 428.4 ME	TA SEDIMENTS							
	Gray to gray-green and brownish-gray,	medium-grained, granular textus	e. Hornblende is					
	rare; biotite common. Needle-like gra	uns of black tourmaline occur r	mear 427,1 m - 1-2%					
	concentration with no apparent prefer							
	biotitic, strongly altered. A vague of	compositional banding, possibly	relict bedding.				<u> </u>	
"	occurs at 65-70° to core axis. Narrow	veinlets are fairly common, wi	th a prominant			<u> </u>	<u>L</u> .	$\square$
	attitude at a high angle ~ 750 to core		·			1_	<u> </u>	$\bigsqcup$
				┧		<u> </u>	_	$ldsymbol{ldsymbol{ldsymbol{eta}}}$
128.4 - 486.9 JA	REFIC					$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\bot}}}$	<u> </u>	Ш
12	8.4 - 429.9 m Medium-dark gray comparati	vely low feldspar content - est	. 5% medium-coarme	<b>_</b>		↓_	<u> </u>	igspace
	grained, granular texture.	Numerous very narrow quartz v	einlets and zones	1.	1		l	

Property	District	Hole No. C-83-1	<del></del>					
Commenced	Location	Tests at	Hor. Comp.	<del></del> .		- 1		J
Completed	Core Size	Corr. Dip	Vert. Comp.			-		
Co-ordinates		True Brg.	Logged by			4	.	ģ
Objective		% Recov.	Date			Claim	T Bro.	Collar
- L ,				T <sub>Sample</sub>	li anno	Analy		<u>ŏ</u> _
From To Descript	don			Sample No.	Length			<del></del>
428.4 - 486.9 429.9 -	- 465.7 m Dark gray-green medium-c	coarse grained, locally very coarse	grained granular					
Cont'd		ent varies but averages about 25%.						
	of quartz are common; th	hese occur at various attitudes but	most commonly	$\bot$			$\sqcup$	
	at fairly high angles to	o core axis 60-70°. From 434.8 - 4	36.3 m irregular					
		grained amphibole and feldspar deve						, <b></b> _
		.0 m narrow (2-3 mm wide) quartz-fe			<u> </u>			
	at 35° to core axis with	h minor po & cpy. At 449.4 m 3-4 cr	m wide chloritic	· ·				
	foliated/sheared zone wi	ith minor quartz veining. Notable :	increase in	<del></del>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		
	biotite content adjacent	t to this shearing, at 50° to core	axis. From	↓		$oxed{oxed}$		
		one chloritic, locally biotitic; mi				ota		
	veining. Foliation occu	urs at 45° to core axis with minor	drag folding evident.		<u> </u>			
465.7	- 467.4 m Foliated zone-more bioti	itic and less hornblendic than adja	cent gabbro; may		$\perp$			
	be very strongly altered	d meta sediments. Upper and lower	contacts are both	<del>]</del>		$\bot$	_	
	quite sharp; upper one s	at 80°, lower one at 65°. Contacts	represent a distinct					
		, feldspar-bearing gabbro to biotit			<del>                                     </del>	4		
	granular feldspar. Text	tures are similar; medium-coarse gra	ained, granular	<del> </del>	<b>↓</b>	$\perp$		_
		ar center of this zone 1-6 cm wide;		↓	↓	4		
	40° to 90° to core axis	and have coarse grained biotite and	d minor po associated	<u> </u>	$\bot$	1		
	with them. Other narrow	w veinlets and chloritic zones are	also oriented at			1		_
	high angles to core axis	s. At 466.8m, a 4 cm wide quartz v	ein is strongly	┷	<del> </del>	1	_	
	sheared with biotite (?)	) and po smeared along fracture plan	nes - quartz		<del> </del>	4	$\dashv$	
	"augea" are developed ir	n a matrix of soft black or brown for	ault gouge.			<u>'L</u>		

Drill Hole Record			<b>Cominco</b> <sub>P</sub>	age 14				
Property	District	Hole No. C-83-1				1		
Commenced	Location	Tests at	Hor. Comp.			1		
Completed	Core Size	Corr. Dip	Vert, Comp.			1		
Co-ordinates		True Brg.	Logged by			1		ä
Objective		% Recov.	Date			Claim	g.	Solla
<u> </u>			·	1	<del></del>	<u> </u> 0	Ь.	<u>8</u>
From Tometers Description		·		Sample No.	Length	Anal	yais	1
428.4 - 486.9 465.7 - 46	7.4 m Where slickensides are d	eveloped this gouge has a graphiti	c appearance but					Г
Cont'd Cont'd	may be just sheared biot:				1	1		1
467.4 - 47	8.8 m Dark grav-green medium-co	carse grained, granular texture.	Feldspar content					
		est. 15-20%. A number of quartz			1	1		
		re present, most commonly at about						
						1 .		
478,8 - 48	5.4 m Dark gray-green - change	to finer grain size (medium grain	ed) and very low	1	1	1		$\Box$
		% veinlets and chloritic alteration				$\top$		
		At 480.2 m, 3-6 mm wide quartz ve				1		$\sqcap$
-		axis. At 482.3 m, isolated rectan		1	1			
		x 1 cm in cross sections. Dissem			1			
	cpy occurs around the fr	inges of this pod. No associated	quartz veining					
	sits isolated within mafi	ic gabbro.				Ī		
485.4 - 48	6.9 m Contact zone. Fine-mediu	um grained biotitic gabbro minor d	isseminated					
	po is present. Narrow qu	wartz veinlets and healed "alterat	ion fractures"			I		
	are common, and occur mos	st prominently at 75-80° to core as	ds. Core is			Į		
	a bit broken with narrow	chloritic shears present.						
	_							
486.9 - 490.9 META SEDIM	ENTS					[		

Property	District	Hole No. C-83-1	<u> </u>					
Commenced	Location	Tests at	Hor. Comp.			╛		
Completed	Core Size	Corr. Dlp	Vert. Comp.			]		
Co-ordinates		True Brg.	Logged by			]		å
Objective		% Recov.	Date			Cain	Bro.	Collar Dip
				-, -		14		3
Footage Descripti	on			Sample No.	Length	Anal	iysis	т
486.9 - 490.9 cont'd	heterogeneous contact zor	ne. 5-10% is quartz veining - some	as nebulous		$\top$	1	_	
	masses, typically with as	ssociated coarse grained biotite, lo	ocally with			1	1	
	coarse amphibole. Other	than composition, no sedimentary fe	eatures are		1	$\top$		
	recognizable. Top 45 cm	is siliceous annealed breccia. Cor	re is more		1	+	1	
	broken than in gabbro, pr	articularly in uppermost 60 cm. Min	nor po & very		+	+-	_	
	<del></del>	sociated with quartz veining.			+	+		$\vdash$
			-			1		
490.9 - 496.3 META SE	DIMENTS							
Ho	derately strongly altered. Predomi	inantly QcW, minor QW and W. Thin b	pedded, frw medium					
an	d thick beds. About 30% is compris	sed of "couplets" of wacke and QW/Qc	₩ - 2-3 cm wide					
ba	nds. Much of this unit is made up	of irregular lens-like beds with pi	inchouts and scour					
st	ructures evident. Locally small cr	ross-cutting irregular "fractures" a	ure present.			$\square'$		
Di	sseminated po and py are common ove	er 10 cm of core at 492.4 m - est 4%	6 by volume.					
		ong small fractures and locally po is						
in	the sediments. Bedding attitude:	490.9 m -60°; 492.7 m - 40°; 493	3.0 m −50 <sup>0</sup> ,					
49	3.9 m -50°. At 496.0 m minor shee	aring is present with foliation at 3	10° to core					
ax	is. Lower contact is in broken cor	re but appears to be a fracture cont	act with					
an	attitude of 25° to core axis.							
496.3 - 567.5 GABBRO								
496.3 -	498.2 m Medium-dark gray, fine gr	rained gabbro, quite homogeneous. M	lany very narrow					
		s, most commonly at ~ 25° to core ax			1 ;			

Commenced Location  Completed Core Size  Co-ordinates  Objective	Corr. Dip True Brg.  % Recov.	Hor. Comp.  Vert. Comp.  Logged by			ł	ļ
Co-ordinates Objective	True Brg.				4	1
Objective		LOGGEG DY			1	dia
				_	á	0
Description	% Necot.	Date			Brg.	zello?
Footage Description From To meters		Sampi No.	e Len	4 -	alysis	_1.~
496.3 - 567.5 496.3 - 498.2 m wide quartz vein at 497.9	m is at 30° to core axis, mar	gins of this yein				<u> </u>
cont'd cont'd are chloritic.					$\perp$	
498.2 - 501.8 m Dark green-gray, medium gr	rained, granular texture. Low	feldspar content -			_	
	einlets vary in attitude from 2				$\perp$	
axis, with no preferred at						
501.8 - 567.5 m Variable color from gray g	reen to dark green. Medium-co	arse grain with	_		_	
	ined, feldspar-rich (to 30%) ir				Ц.	$oldsymbol{\perp}$
	rain granular texture than the	ı				$\perp$
488.9 m which was coarser	grained. From 507.0 - 507.3 m	sheared chloritic				<del></del>
	ining parallel to foliation whi				4_	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
axis; minor pyrite is pres	sent. At 509.1 m, narrow shear	zone with dark gray	_		$\perp$	4—
fault gouge, minor quartz	veining; at 20° to core axis.	From 518.0 - 518.6 m,			$\bot$	4_
	O to core axis. Dark grav fau		$-\!$	-	$\bot$	4
veining and about 3% by vo	olume py are present. Narrow.	2-3 mm wide quartz	_		<u> </u>	↓
veins with chloritic margi	ins are scattered through the 1	nterval typically	-		-	┵
at 40-60° to core axis.				_	_	<del>↓</del> _
				_	<u> </u>	┷
567.5 - 569.5 ALTERED SEDIMENTS					4	↓_
Contact with gabbro at 567.5 m is shee	ared over 8 cm with chlorite de	velopment, minor		<u> </u>	┿	$\perp$

			<b>◆</b> ◆						
Property	District	Hole No. C-83-1							
Commenced	Location	Tests at	Hor. Comp.		<del></del>	1			l
Completed	Core Size	Corr. Dlp	Vert. Comp.			1		ا يو ا	l
Co-ordinates		True Brg.	Logged by			1_	à	ē.	
Objective		% Recov.	Date			Claim	Bro	Collar Dip	Elev.
<u></u>	Description		···· · · · · · · · · · · · · · · · · ·	Sample	Length	Anal	<u>l⊢</u> Iysis	10 1	<u>w</u>
Footage From To meter				No.		$\blacksquare$	$\vdash$		Γ.
567.5 - 569.5	Minor quartz veining is present, locall	y with minor pyrrhotite. Pyrrh	otite is also		<del></del>	<del> </del>	↓_	Ш	L
cont'd	locally disseminated within the siliceo	us seds, especially near 569.1 m	n. Seds are		$\perp$	_	<u> </u>	<b> </b>	
	now quite siliceous - original litholog	y was probably QcW or QW.		$\perp$	<u> </u>	<u> </u>	<u> </u>	<u>                                     </u>	_
	ALDRIDGE FORMATION					<u> </u>	$\perp$		
569.5 - 573.6	OcW and W						L		L
	Thin bedded to laminated; QcW and W are	interbedded (sand-shale couple	ts?) with the			$oxed{oxed}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	Ш	
	bedding being typically irregular on a								Ĺ
	folds and small zones of small ragged c					<u> </u>	1_	igspace	_
	present also: 575.3 - 573.2 m bedding d			<u> </u>		<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	Ш	L
	through to 0° and back to 40°. Bedding					<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}$		Ĺ
	20-25 <sup>0</sup> .				<u> </u>		L	Ш	
									ĺ
573.6 - 575.9	OW .				1		Ī		Ī
313.0 - 313.2	Thick bedded, dark blue-gray to medium	blue-gray colored. Only 4 beds	recognized with	T			Π		
	narrow QcW or W tops. Alteration is st			1					Π
	Bedding angle 574.1 m -45°: 575.6 m -						$oxed{oxed}$		
ļ- <del></del>	Detailing to the second								
575.9 - 579.6	Cew and W						L		
313.5 - 010.0	Thin bedded to laminated; few medium th	ick beds. Medium blue-gray colu	or with brown				L		
	wacke-rich zones (biotite alteration).				1		L		
·	lensing and small elongate rip-up clast								
	-65 <sup>0</sup> to 579.6 m.				<u> </u>	乚	<u></u>		L
									_
b-m Hala F	la a a m d		<b>•</b> ••						ĺ
Drill Hole F	lecord		COMINCO Pa	Se 19			1		ı
	District	Hole No. C-83-1	••				Ì		ł
Property		Tests at	Hor, Comp.			ì			
Commenced	Location	Corr. Dip	Vert. Comp.			1			İ
Completed	Core Size	True Brg.	Logged by			1	1	qio	
Co-ordinates		% Recov.	Date			Ē	Đ.	I - I	١,
Objective		76 NGC01.				Clain	<b>-</b>	3	Ele.
	Description			Sample	Length	Ana	lysis	т—	1
Footage From Tometer				No.	+-	†	+	+	$\vdash$
	LAMPROPHYRE				+	┼─	+-	+	$\vdash$
579.6 - 580.5	Dark brown, fine-grained, biotitic, fel								

Condinates

True Brg. Logged by

N. Racov. Date

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Property	Record  District Hole No. C-83-1	uge 19					
Commenced	Location Tests at Hor. Comp.						
Completed	Core Size Corr. Dip Vert. Comp.			$\dashv$			
Co-ordinates	True Brg. Logged by			$\dashv$		ے ا	1
Objective	4.0	·		┧╸	ا	r Oip	1
	% Recov. Date			- je	Brg	Collar	1
Footage	Description	Sample	Length	<del>-   Y</del> -	alysi:		ļu
from To mete		No.				<b>—</b>	1
597.6 - 603.2	QW, QcW, minor W					$\perp$	Ĺ
<u> </u>	Medium bedded, few thick beds; thin bedded-laminated wacke zones. Sandy beds here are						1
<u> </u>	thicker and more siliceous than in overlying interval. Laminated to thin bedded wacke			L.			
ļ	zones (with minor QcW) which occur between the sandy beds are similar. Bedding angle:						Τ
<del></del>	598.2 m -65°; 601.2 m -60°.						T
						T	Τ
603.2 - 617.1	QcW & W, minor QW					1	T
	Medium bedded and thin bedded to laminated. Thin beds of QcW or QW alternate with zones						1
<u> </u>	of thin bedded to laminated wacke and minor QcW. Hany bedding plane contacts are planar	1		1	†-	†	十
	but much of the laminated zones is irregular with lensing, rip-up clasts, small scale slump	<b>—</b>	1	1	$\top$	1	†
	folding. Disseminated po is common in many of the QcW and QW beds and po is also present	1	+	+-	+-	+-	+
	in a few scattered narrow quartz veins. From 615.5 - 617.1 m, disseminated po occurs	+	+	+	+	+-	+
	concentrated in 3 narrow zones, each about 1.5 cm wide. These may originally have been	+	<del> </del>	+	+	+-	+
	po laminations which have become discontinuous due to alteration. Considerable biotite	+	+	+-	+	+	+
	alteration is present throughout the interval. Bedding angle: 605.2 m -60°; 608.2 m -65°;	+	+	+-	+	+-	╀
<del></del>	612.8 m -60°; 618.8 m -65°.	+	+	+-			<del> </del>
	NOTE: Drilling interrupted at 617.1 m on Oct. 25, 1983 (End of Oct. 24, 1983 night shift).	+	+	+-	+	-	+
	Drilling re-commenced Nov. 25, 1983 after reducing to NQ. (Some cave experienced	-	┿	┼	-	ļ	╀
	at bottom of HQ hole at 617.1 m on reducing to NQ: Part of H hole had caved.)	<del> </del>	—	↓_	┷	<u> </u>	L
	Part of H hole had caved.)		<del> </del>	1	<u> </u>	<u> </u>	L
		<b> </b>	ļ	<u> </u>			
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Dell Hala F	<b>♦</b> •		<del></del>				
Drill Hole F		e 20	·				
Drill Hole F	Record  Comince Page  District Hole No. C-83-1	e 20	<del></del>				
	C-83-1	e 20					
Property	Olstrict Hole No. C-83-1	e 20					
Property Commenced Completed	District Hole No. C-83-1  Location Tests at Hor. Comp.	e 20				Dip	
Property Commenced Completed Co-ordinates	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.	e 20		ωi	Brg.	ollar Dip	94.
Property Commenced Completed	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by	e 20			T Brg.	1.	Elev.
Property Commenced Completed Co-ordinates Objective	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date	e 20	Length		Č. Č.	Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective	District	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly	Sample	Langth			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly  planar with depth; less irregularity present; narrow light gray argillaceous (wacke)	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to  617.1 m. Minor small quartz veins with po along veins are scattered through the interval.	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to  617.1 m. Minor small quartz veins with po along veins are scattered through the interval.  634.2 - 634.5 m. W with chloritic alteration and 55% irregular blebs of po. Bedding	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to  617.1 m. Minor small quartz veins with po along veins are scattered through the interval.	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to  617.1 m. Minor small quartz veins with po along veins are scattered through the interval.  634.2 - 634.5 m. W with chloritic alteration and 55% irregular blebs of po. Bedding	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Minor small quartz veins with po along veins are scattered through the interval.  634.2 - 634.5 m, W with chloritic alteration and 5% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Hole No. C-83-1  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly  planar with depth; less irregularity present; narrow light gray argillaceous (wacke)  beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone  parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to  617.1 m. Minor small quartz veins with po along veins are scattered through the interval.  634.2 - 634.5 m, W with chloritic alteration and ~5% irregular blebs of po. Bedding  angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.	Sample	Langth			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Winor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and \( \sigma \) irregular blebs of po. Bedding angle: 619.5 m \( -70^{\circ} \); 622.9 m \( -65^{\circ} \); 628.0 m \( -65^{\circ} \); 631.1 m \( -60^{\circ} \); 634.2 m \( -65^{\circ} \).	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m, Minor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and 5% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.	Sample	Length			Coltar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m, Minor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and 5% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.  LAMPROPHYRE (?)  10 cm length of core is biotitic, chloritic, with ~ 10% disseminated irregular blebs of po. Small light blue-gray elongate crystals of secondary chlorite (?) are randomly developed within the zone. These also occur a short distance into adjacent altered	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by Recov. Date  Description  W and QcW Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m, Minor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and 5% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter 617.1 - 634.5	District  Location  Tests at  Hor. Comp.  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  Recov.  Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Minor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and \( \frac{1}{2}\) irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.  LAMPHOPHYRE (?)  10 cm length of core is biotitic, chloritic, with \( \cdot 10\) disseminated irregular blebs of po. Small light blue-gray elongate crystals of secondary chlorite (?) are randomly developed within the zone. These also occur a short distance into adjacent altered sediments both above and below the "lamprophyre".	Sample	Length			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage Foot 7 o meter 617.1 - 634.5	District  Location  Tests at  Hor. Comp.  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  Recov.  Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Winor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and %% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.  LAMPROPHYRE (?)  10 cm length of core is biotitic, chloritic, with ~ 10% disseminated irregular blebs of po. Small light blue-gray elongate crystals of secondary chlorite (?) are randomly developed within the zone. These also occur a short distance into adjacent altered sediments both above and below the "lamprophyre".	Sample	Langth			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter 617.1 - 634.5	Location  Tests at Hor. Comp.  Core Size  Corr. Dip Vert. Comp.  True Brg. Logged by  Recov.  Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Minor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and %% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.  LAMPROPHYRE (?)  10 cm length of core is biotitic, chloritic, with ~ 10% disseminated irregular blebs of po. Small light blue-gray elongate crystals of secondary chlorite (?) are randomly developed within the zone. These also occur a short distance into adjacent altered sediments both above and below the "lamprophyre".  W - QcW Fairly massive with internal laminations - not distinctively bedded. Medium-dark blue-gray.	Sample	Langth			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To meter 617.1 - 634.5	District  Location  Tests at  Hor. Comp.  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  Recov.  Date  Description  W and QcW  Thin bedded to laminated, very few medium beds. Bedding style becoming increasingly planar with depth; less irregularity present; narrow light gray argillaceous (wacke) beds more common. Biotite alteration still strong. At 619.8 m a 2 cm wide zone parallel to bedding contains est. 20% disseminated po, similar to zones from 615.5 to 617.1 m. Winor small quartz veins with po along veins are scattered through the interval. 634.2 - 634.5 m, W with chloritic alteration and %% irregular blebs of po. Bedding angle: 619.5 m -70°; 622.9 m -65°; 628.0 m -65°; 631.1 m -60°; 634.2 m -65°.  LAMPROPHYRE (?)  10 cm length of core is biotitic, chloritic, with ~ 10% disseminated irregular blebs of po. Small light blue-gray elongate crystals of secondary chlorite (?) are randomly developed within the zone. These also occur a short distance into adjacent altered sediments both above and below the "lamprophyre".	Sample	Langth			Collar Dip	Elev.

Property	District	Hole No. C-83-1				ĺ		
Commenced	Location	Tests at	Hor. Comp.					
Completed	Core Size	Corr. Dlp	Vert. Comp.			]		
Co-ordinates		True Brg.	Logged by			]		å
Objective		% Recov.	Date			Claim	T Brg.	Collar
Footage From To meter	Description			Sample No.	Length	Anal		lŏ l
637.8 - 650.3			·					-
	Thin bedded to laminated. Interval is	characterized by bed couplets con	sisting of 1)				L	
	Light gray, argillaceous or wacke bands	s (bed tops?) varying from few mm	to few on thick					
	and 2) more siliceous - QcW, possibly i	zones, blue-gray in color, commo	only with some					L]
	internal lamination, locally with small	cross lamination and with moders	ite to strong					
	biotitic alteration throughout. These	more siliceous zones vary in thic	kness from					
<u> </u>	<1 cm to about 15 cm max. thickness. I	From 638.7 - 639.0 m, 2 en echelor	quartz veins					
	1 cm to 3 cm wide, at 20° to core axis.	. At 639.5 m, 1.5 cm wide biotite	-rich band with	1	1			
	est. 10% dissem, po occuring as irregul			1				
	interval as fine disseminations and as							
	638.4 m -70°; 643.3 m -55°; 647.9 m	-50°; 650.0 m -50°.						
650.3 - 654.0	QW and QcW, minor W							
	Medium to thin bedded. Quartzite units	show strong alteration with smal	l irregular					
	clots of biotite and possibly graphite	developed along a preferred attit	ude parallel				_	
	to bedding. Narrow wacke or subwacke b	ands are soft, slightly green, lo	cally with	<del></del>	-			$\sqcup$
	chlorite. Lowermost 40 cm of this inte	erval is of a dull gray-green colo	r but of	<del>                                     </del>	↓			<b>  </b>
	QcW composition. Bedding angle 50-550	throughout.		-	-		_	
CEA D CEE D	QcW and W with Graphite				+			$\square$
604.0 - 600.2	Laminated and thin bedded QcW and W. C	rephite occurs through all of the	interval but	1	†			
	in variable concentration. A very narr			<del>                                     </del>	<del>                                     </del>		┌	

Property .	District	Hole No. C-83-1							
Commenced	Location	Tests at	Hor. Comp.			_			١
Completed	Core Size	Corr. Dip	Vert. Comp.			_]			l
Co-ordinates		True Brg.	Logged by					Ö	l
Objective		% Recov.	Date			Claim	e e	Oltar	١,
							<u> </u>	8	ÿ
From To meters				Sample No.	Length	Anal	ysis		Т
	s the uppermost graphite recogn	ized. Within the interval graphite	e occurs 1) as		1				T
		ly associated with biotite-rich zon			1				t
<del>                                     </del>		el and sub-parallel to bedding (con		<del>-  </del>	1	1			t
<del></del>		ances), and 3) as irregular veins t			1	1			t
<del></del>		here minor shears are developed				1			t
		tain slicken sided graphite. Beddi	ing angle 650						İ
l i	ghout.					<del> </del>			t
ţin cu	gnouv.				†	T		$\vdash$	t
655.2 - 665.5 QcW and W					<del> </del>	<del> </del>			İ
	and medium bedded, medium-dark	blue-gray color. Dense, fine-grain	ned, siliceous -						l
quite	strongly altered. Biotite alt	eration common. A number of narrow	zones contain up						
to 10	% disseminated irregular blebs	of po, usually with biotite. From	664.9 - 665.5 m						
alter	ration is of a tan-gray, slightl	y greenish color, somewhat similar	to the narrow		•	<u> </u>			
zone	immediately overlying the 654.0	- 655,2 m graphitic zone. Bedding	angle: 655.5 m						ĺ
	658.5 m -65°; 663.1 m -60°;					1	L		
						<u> </u>			ĺ
665.5 - 665.9 W and QcW	with Graphite								
Graph	ite occurs in a narrow zone of	laminated W and QcW, as thin lamina	tions, locally			<u> </u>			1
	a studitic character and in n	arrow more massive zones, parallel	to bedding and						
with	a styllitic camaciti, ma in a				1	T .	I	l I	ĺ
		Core is broken where graphite is	more massive and					الل	Į

	Drill Hole F Property Commenced Completed Co-ordinates Objective	District Hole No. C-8:  Location Tests at  Core Size Corr. Dip  True Brg.  % Recov.	Gaminea  Hor. Comp.  Vert. Comp.  Logged by  Date	Page 23		Claim	T Brg.	Collar Dip	Elev.	ength	tole No. Sheet
	Footage	Description		Sample	Length	Anal			<u> </u>		<u> -</u>
ı	From To meter			No.	-			-	<u> </u>		
	665.9 - 668.3	·····			<del> </del>	├		<u> </u>	-		
ļ		Thin bedded, becoming increasingly silicified, brecciated, ar			-	-	-		-		-
ļ		in character as contact with gabbro at 668.3 m is approached			-	├	H	<u> </u>	$\vdash$		-
ļ		veinlets in lower part of interval is common. Bedding angle	is 75-80° in upper part of		<del> </del>	<b>├</b> —		<u> </u>			_
ļ	<u> </u>	zone.			+	<del> </del>		<b> </b>	$\vdash$		-
ļ					╂	<b> </b>	$\vdash$	<b> </b>			H
	668.3 - 686.6	GARBRO		-	-	<u> </u>		├—	H		$\vdash$
ļ		Upper contact at 70° to core axis,			1	<b> </b>		<u> </u>	-		
ļ		668.3 - 676.5 m Fine-medium grained, quite massive in character,			<del> </del> -	<b> </b>		<u> </u>	_		-!
ļ		Numerous quartz and quartz-calcite veins and vein			<del> </del>			Ŀ			_
ļ		various attitudes but preferentially at relative					Ш		-		_
Į		at relatively low angles (5-10°) to core axis.	linor po and very minor		<u> </u>		Ш		Ш		_
L		cpy are locally associated with quartz veining.			ļ	_	Ш				L
L		676.5 - 686.6 m Darker green somewhat brownish-colored from press	ence of biotite. Weak to		-	<u> </u>	$\dashv$			$\Box$	L.
ļ		moderately strong layering is developed at 75°-80	to core axis. Few quartz		<b>├</b> ─	<b> </b>					l
Ļ		veins with minor calcite are present. Minor po		_	-		-+			_	<b>—</b> .
Ļ	<u>.                                    </u>	present. Lower contact at 686.6 m is at ~75° to		<del></del>	<del> </del>				Н		<b>-</b>
L		in gabbro parallel or closely sub parallel to unc	lerlying bedding.		<del> </del>	-					H.
L											⊢!
L					<b>↓</b>	Ш	$\longrightarrow$		$\sqcup$		<u> </u>
L					<del> </del>	<u> </u>	$\sqcup$		$\sqcup$		-
					<u> </u>	;					L.
	<del></del>									<b>2</b> 11- <b>4</b> 43	7
1	Drill Hole R	ecord  District Hole No. C-8	Comince 33-1	Page 24							Sheet
ŀ	Commenced	Location Tests at	Hor. Comp.			'					1
ŀ	Completed	Core Size Corr. Dip	Vert. Comp.								;
ŀ	Co-ordinates	True Brg.	Logged by				l. I	Ď		_	٥
ŀ	Objective	% Recov.	Date			Cleim	T 8rg.	Sollar Dip	Elev.	ength	Hole No.
ŀ	•	Description .		1	T	Ö Anah	E	ŏ	<u>u</u>	5	Ĭ
ļ	Footage From Te meters	Description ALDRIDGE FORMATION		Sample No.	Longth	A) (B)					Г
r	686.6 - 690.5										Γ

	Property	District	Hole No. C-83-1								İ
	Commenced	Location	Tests át	Hor. Comp.			ַן י				
	Completed	Core Size	Corr. Dip	Vert. Comp.			. ↓		1. 1		
	Co-ordinates		True Brg.	Logged by			1		å		L
	Objective		% Recov.	Date			E S	Brg.	) aller	ž	d do
	Co-ordinates Objective  Description From VermetersALDRIDGE FORMATION 686.6 - 690.5 QcW and W  Thin bedded to laminated, few medium Minor annealled brecciation adjacent present along some fractures. Beddit 690.5 - 691.5 LAMPROPHYRE  A 6 cm wide coarse grained quartz we is dark brown to black, greenish and quartz vein), Fine-medium grained, included. A foliated fabric at 10-1			T	1	Anah	<u> </u>	ا ق	₫		
	rom To meter	ALDRIDGE FORMATION			Sample No.	Longth					Γ
•	686.6 - 690.5	QcW and W			l	I					
•		Thin bedded to laminated, few medium thi	ck beds. Quite strongly altered	-silicified.							Γ
		Minor annealled brecciation adjacent to	gabbro. Locally strongly bleach	ed. Kinor po							[
		present along some fractures. Bedding a	ngles 688.1 m -65°; 689.0 m -7	5°.					$i \square$		Γ
											Γ
	690.5 - 691.5	LAMPROPHYRE '			<u> </u>	<u> </u>					Ĺ
		A 6 cm wide coarse grained quartz vein a	t 80° to core axis occurs at 690	.5 m. Lamprophyre							
		is dark brown to black, greenish and chl	oritic at upper contact at 690.6	m (adjacent to							
		quartz vein). Fine-medium grained, stro	ngly biotitic with a few felsic	porphyroclasts					]		
		included. A foliated fabric at 10-150 t	o core axis is evident. Parts of	f this zone are		1			Ш		L
		broken with chloritic slickensides on fr	acture surfaces.			<u> </u>					L
											L
	691.5 - 765.5	QcW and W						Ш			L
		Thin bedded to laminated, a few medium t	hick beds. Alteration is variable	le from moderate		<u> </u>		Ш			L
		to weak with silicification and developm	ent of biotite common. Bleaching	is usually		<u> </u>		Ш		_]	
		present with silicification. Beds chara	cteristically display internal la	minations with			<u> </u>	Ш	<u></u>		L
		light grey argillaceous or subwacke band	s common throughout, varying from	n a few mm to a	<u> </u>	ļ	<u> </u>	Ш			L
		few cm in thickness. At 696.5 m, 3 cm b	and with 10-15% irregular patchy	po and minor cpy.		<u> </u>					-
		3 cm wide quartz vein with aspy below po	and cpy. At 696.8 m, 4 cm wide	band with 15-20%		ļ	<b> </b>	Ш	,I		L
		irregular patchy po and more laminated p	yrite, with minor cpy. At 700.6	m, 5 cm wide zone	<del>-</del>	—	╙	Ш			L
		with irregular patchy po - est. 10% by v	olume. Py is common along fracts	ures near 699.1 m.				ш			L

	District -	Hole No. C-83-1							
Property	Location	Tests at	Hor. Comp.				i		
Commenced	Core Size	Corr. Dip	Vert. Comp.					_	
Completed	COLA SIGN	True Brg.	Logged by					å	
Co-ordinates		% Recov.	Date			Claim	979	allo.	
Objective		<u> </u>				Q.		8 1	ŭ.
	escription			Sample No.	Length	Analy	313	$-\tau$	-
rom To meters	•		2 6 m 15 cm length						
391.5 <i>- 7</i> 65.5	Minor fracture po is fairly common th	roughout much of the interval.	anners win	+				$\Box$	_
cont'd	of core contains ~ 7% po as ragged pa	tches, mainly associated with min	eta unia						
	development. At 730.5 m, 20 cm of br	oken core; fractured blue-gray qual	rtz vein.		+ -				
	From 740.2 - 740.6 m, healed fracture	√ // to core axis with minor (~:	on) orrset		<del>                                     </del>	1-		1	_
	of beds. From 749.4 - 752.7 m, same	cross laminations developed in th	in beds.		<del> </del>	╁	<del>                                     </del>		_
	Bedding angle: 697.3 m -80°; 701.2	m -55°; 705.8 m -70°; 711.9 m -	-65°; 716.5 m -70;		-	┢╌	-	-	
	722.6 m -75°; 728.7 m -70°; 736.0 m	1 -80; 740.9 m -75; 747.0 m -	80°; 751.5 m -80 ;		┼	├		$\vdash$	-
	754.6 m -80°; 759.1 m -80°; 764.9 m					├		┞╼╅	_
			<u> </u>		┼	╁	-	╁	
765.5 - 782.2 Q	eW, minor QW and W				+	<del> </del>	<del> </del> −	<del>  </del>	_
700.0 100.2	Medium bedded, few thin beds. General	illy a medium blue-gray color, loca	lly brown.			<b>├</b> -	-		_
	Considerably altered with bleaching a	und silicification evident. Some	of the brownish		-	┼	├	<del>  </del>	
	colored patches are very hard and may	be weakly tourmalinized. Cross 1	aminations are		-	┼	<del> </del>		_
	present in narrow bands scattered this	rough the interval-locally these a	re brownish	_		┼-			
	(mossibly tourmalinite) - one such or	currance at 772.3 m sampled for t	hin section.			╄	╀┷╌		_
	From 772.6 -772.9 m core is a mottled	i pink - brown color from alterati	on. Minor po		<del> </del> -	┼	-	<del>  -</del> -	H
<del></del>	occurs as disseminations along lamina	ations (locally cross-laminations)	and as small			-	╁		L
	fracture veinlets, often associated	with small quartz veins. At 770.4	m core is		<b>-</b>	-	₩-	<del> </del>	┝
<del>   </del>	broken over 30-45 cm, to quite small	fragments. Possible fault or sha	ttered zone.		<b>_</b>	╄	<b>├</b> -	<del> </del>	┡
<del></del>	At 776.2 m, pyrite encrusts fracture	s associated with quartz veining.	At 780.8 m		<b>_</b>	<b></b>	-	<del>                                     </del>	L
ļ <del>  </del>	6 cm length of core with est. 10% po	as irregular blebs associated wit	h biotite.			4—	↓	<del>  -</del>	-
<u> </u>	8 di length of care with 5501 250 p					<u> </u>	1_	<u> </u>	
L			<b>**</b>	00			1		-
Drill Hole R	ecora		Cominco Pa	#8e 70					١
	Pot-aut-a	Hole No. C-83-1	▼ ▼						ļ
Property	District	Tests at	Hor. Comp.						
Commenced	Location	Corr. Dip	Vert. Comp.						
Completed	Core Size		Logged by					ä	1
Co-ordinates		True Brg.	Date	<del></del>		Ē	ė	Collar	
Objective		% Recov.	Agra			Ctaim —	T Bro	8	
							alysi		

$\neg$			•					
Property	District	Hole No. C-83-1					-	
Commenced	Location	Tests at	Hor. Comp.			1	- [	-
Completed	Core Size	Corr. Dip	Vert. Comp.			1	۾	-
Co-ordinates	-	True Brg.	Logged by			ا ہا	٥	-
Objective		% Recov.	Date			Claim	Collar	100
				Sample	Length	Analys		
Footage From To Meter	Description			No.	Cango	ŢŢ.	工	工
10111		and 781.4 m. Bedding angle:						$\downarrow$
765.5 - 782.2	765.9 m -85°; 769.2 m -75°; 772.0 m	-75°: 775.3 m -75°: 779.3 m	-90°.					$\perp$
cont'd	705.9 m -85 ; 709.2 m -15 ; 772.0 m	10,11010 11 12,11010 11						$\prod$
782.2 - 790.2	W and QcW  Thin bedded to laminated, light gray	to dark blue-gray color: alterna	ting ligther gray					$\Box$
	Wor SW bands and darker blue-gray, o	often intermally leminated Ocw b	ands. Disseminated		1			
<u> </u>	W or SW bands and darker blue-gray, o	ten internally imminue, also occur	rs as small fracture			T		
	po is common, usually slightly concen	itrated along lantinae - also com	present locally		1			Т
	fillings. 785.8 - 786.4 m, few xtals	of light gray arsenopyrite are i	Ones ongle:		1			$\neg$
	concentrated along laminae. Biotitic	alteration common throughout.	Core sugre.		-	1-1	$\neg$	7
	782.6 m -85°; 786.0 m -85°; 789.9 m	<u>a -85°</u>		<del></del>	┪	1 1	_	寸
				<del></del>		╂┈╅	$\dashv$	$\dashv$
790.2 - 792.4	TOURMALINITE AND TOURMALINIZED METASEDIMEN	MTS, QUW AND W		<del></del>	+	╀╾┼		-
	Medium-thin bedded where bedding plan	nes are recognizable: much of the	tourmalinite	<del></del>	<del></del> -	+	-+	$\dashv$
	is finely laminated without distinct	bedding planes. Generally dark	blue-gray color,		—		+	
	appenitic and quite dense in appearar	nce. Degree of tournalinization:	appears variable			+		
	with tournaline apparently restricted	d (locally) to narrow zones paral	lel to bedding;			$\bot$		_
\	these do not appear as distinct beds	From 791.2 -792.2 m is all tou	rmalinite, dark		<b>↓</b>	$\downarrow \downarrow \downarrow$		_
	blue-gray and finely laminated. Low	ermost 12 cm of core is light blu	ish-gray, mottled		_	1		
ļ <u>-</u>	and appears to be a fine-grained quar	ertzite which is partly and irregu	larly		_	1_1	$\dashv$	_
	tourmalinized. Locally small irregu	ular whitish porphyroblasts (?) ar	re developed - may			1		
	be feldspar. Bedding angle is 85°-9	no throughout. Thin sections: 7	791.0 m, 791.5 m,			1 1	$\perp$	
	be feldspar, beginning angle to do	J HIIOUGANO.			_1			

Property	District	Hole No. C-83-1				1			i	i
Commenced	Location	Tests at	Hor, Comp.							i
Completed	Core Size	Corr. Dip	Vert. Comp.				1	1_1		i
o-ordinates		True Brg.	Logged by			ļ		ģ		E
bjective		% Recov.	Date			Claim	B Cp	Collar	Elev.	ength
				10	1,	Ö Anai		<u>\d</u>	_ ث	<u>"</u>
otage om To	Description			Sample No.	Length	-				二
	MASSIVE BIOTITIC WACKE					<u> </u>		igsqcup		_
30.1 10010	Quite homogeneous in appearance, li	ttle internal fabric with some lam	inations evident in		<u> </u>	_	<del></del>	<b>↓</b>	$\sqcup$	_
	the top and bottom 20 cm, with a fer	w vague internal laminations. Med	ium blue-gray color	1	<del> </del>		↓_	┦		
	with ubiquitous biotite speckling.	Disseminated po also occurs through	ghout. May be a		<u> </u>	<u> </u>	↓	┷		
<del></del>	massive to weakly laminated wacke w				<del></del>	<u> </u>	—		<b> </b>	-
	biotite throughout. From 793.0 - 7	93.3 m, 1 cm wide po veinlet at 10	to core axis			ـــــ	<del> </del>	<b> </b>	Ш	-
	contains a few grains of light gray	arsenopyrite and minor cpy. Thin	section at 794.4 m.	<del> </del>	<del> </del>	├	┼		$\vdash$	_
700.0	TOURHALINITE AND TOURMALINIZED SEDIMENTS				1		士			Ē
90.8 - 198.0	Very fine grained, dense, faintly 1	aminated to banded, medium gray to	dark blue-gray							<u>_</u>
	color, locally blackish with a brow	n hue. Tourmaline content appears	to vary with some				<u> </u>			L_
	narrow zones being very hard. Biot	ite and biotite-pyrrhotite spottin	g are common -				<u> </u>		Ш	<u>i</u>
	individual "spots" are irregular in	outline and about 1-3 mm diam. A	few elongate			<u> </u>	$\perp$			١
· <del>-</del>	whitish flakey crystals, probably m	uscovite, are locally associated w	ith the biotite			<u> </u>				<b>—</b>
	spotting. Core is broken from 798.	2 - 798.8 m but parts of the fragm	ents contain		↓	L	↓			<b>—</b>
	very hard bands believed to be tour	malinite. Po occurs as irregular	blebs and : mall	J	<del> </del>	<u> </u>	↓_	↓	<u> </u>	₩
<del></del>	veinlets near 798.2 m. Bedding ang	le 85° throughout.			<del> </del> _	닏	ـــــ	<b>↓</b>	Ш	⊬
					<del> </del>	<del> </del> —	—	ļ	ļ	<del> </del> —
798.8 - 802.4	QcW, minor W			<del></del>	<del> </del>	<del> </del>	—	╁		
	Medium and thin bedded, medium-dark	blue-gray color. A few thin (1 c	m) bands from	_	<del> </del>	⊬	┼	—		$\vdash$
	798.8 - 800.0 m are cuite hard and	may contain tourmaline. Minor dis	seminated po is		<del> </del>	┼	┼	<del> </del> —	-	-
	locally present. Core is broken fr	om 798.8 to 799.5 m (> 50% core lo	ss here).		<del>اـــــ</del>	<u></u>	<u> </u>	Ц_		<u> </u>

Property	District	Hole No. C-83-1	Cominco P					
Commenced	Location	Tests at	Hor. Comp.			╛		
Completed	Core Size	Corr. Dip	Vert. Comp.					] .
Co-ordinates		True Brg.	Logged by			]		ď
Objective	<u> </u>	% Recov.	Date			Claim	9.0	Collar
-	10					10		8
Footage From To	Description			Sample No.	Length	Anai	ysis	<del></del> -
798.8 - 802.4	Bedding angle is 85-90°.				1		Г	
Cont'd						1	1	
802.4 - 804.9	W and QcW				1	1		
	Thin bedded - some beds are internall	y laminated. Light gray to dark b	lue-gray in color.			İ		
	Disseminated po is common, aspy grain	s occur near 802.9 ~ 803.4 m, loca	lly concentrated					
	along laminations. A few veinlets of	po with minor cpy are present. B	dotite alteration					
	is common. Bedding angle is 85-90° t	hroughout.						
804.9 - 809.1	QcW and QW, minor W					1		
	Medium bedded, a few thin and thick b	eds. Medium-dark blue-gray in col	or with					
	considerable siliceous alteration and	local bleaching. A number of qua	rtz veins are				L	
	present with associated po, biotite a	nd minor pyrite. At 808.8 m over	10 cm of core			<u> </u>		
	irregularly disseminated clots of pyr		- a few aspy		<u> </u>			
	grains occur here too. Bedding angle	is 80-85°.	<u></u>					
809.1 - 850.0	W, minor QeW							
	Thin bedded to laminated, few medium	thick beds. Little variation is p	resent with a		ļ <u> </u>	ļ		
	banded light gray to medium blue-gray	<del></del>			—	ļ		Щ
	scour features and load structures ar	e scattered through the interval.	Disseminated		<b>↓</b>	1		

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			Cominco Page	e 29		1		ĺ		
roperty	District	Hole No. C-83-1				•				1
ommenced	Location	Tests at	Hor. Comp.			_			ı İ	
ompleted	Core Size	Corr. Dip	Vert. Comp.			1			. 1	
o-ordinates		True Brg.	Logged by			ļ	İ	g		_
bjective		% Recov. Date					T Brg.	I - I	Elev.	
	Description		<del></del>	Sample	Length	E Ö Anal		ŏ j	<u>ش ا</u> ۽	<u>-</u>
om Tometers			<del></del>	No.	+	-	-			
9.1 - 850.0	Biotite alteration is common with it developed				<del> </del>	<del> </del>				
ont'd	From 808.2 - 809.5 m is predominantly medium 1			<del></del> -		<del> </del>	<u> </u>			
	of whitish irregularly shaped small (1-2 mm di			ļ	4-	<u> </u>		L		_
	mica occur near 849.1 m over 20 cm of core. I			<del> </del>	<b></b>	<u> </u>	<u> </u>		-	
	820.1 m -85°; 824.7 m -85°; 829.3 m -90°; 8	833,8 m -80 <sup>°</sup> ; 838,4 m -8	30 <sup>0</sup> : 843.0 m -85 <sup>0</sup> :	<del> </del>	<del> </del>	<del> </del>	L			
	846.0 m -85°; 849.4 m -85°.			1	<del> </del>	-			$- \downarrow$	
850.0	END OF HOLE			+	+	<del>                                     </del>	-		-	
	CORE STORED AT SULLIVAN MINE, KIMBERLEY,			<u>l</u>						
	Sperry-Sun down-hole directional surveys								- !	
	Hole depth Azimuth Dip									
	note depth Azmidth Dip					1		i	:	
	15.2 m 151° -89.4°	<del></del>			1	1				_
_	15.2 m 151° -89.4°			<del> </del>				1	i	
	15.2 m 151° -89.4°				-	-				_
	15.2 m 151° -89.4° 101.2 m 157° -87.5°					-			_	_
	15.2 m 151° -89.4°  101.2 m 157° -87.5°  159.8 m 126° -87.0°  250.0 m 131° -86.4°  391.5 m 149° -86.6°									_
	15.2 m 151° -89.4°  101.2 m 157° -87.5°  159.8 m 126° -87.0°  250.0 m 131° -86.4°  391.5 m 149° -86.6°  476.2 m 138° -87.1°					,				_
	15.2 m 151° -89.4°  101.2 m 157° -87.5°  159.8 m 126° -87.0°  250.0 m 131° -86.4°  391.5 m 149° -86.6°  476.2 m 138° -87.1°  556.4 m 147° -86.8°									
	15.2 m 151° -89.4°  101.2 m 157° -87.5°  159.8 m 126° -87.0°  250.0 m 131° -86.4°  391.5 m 149° -86.6°  476.2 m 138° -87.1°					,				

sle lour Plot Dips

211-8437

P. Medul

