DIAMOND DRILLING REPORT

VINE 39 CLAIM

Fort Steele Mining Division

Palmer Bar Creek Area

N.T.S. 82G/5W

Lat: 49° 27' 25"

Long: 115° 15' 30"

OWNER

Cominco Ltd.

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

Work performed during May and June 1984

Report By:

D.L. Pighin Geologist

Under the Supervision of:

D. Anderson Project Geologist

GEOLOGICAL BRANCH

12,417

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### EXPLORATION

### WESTERN DISTRICT

### DIAMOND DRILLING REPORT

#### VINE 39 MINERAL CLAIM

### Fort Steele Mining Division

#### 1.00 GENERAL STATEMENT

This report outlines the results of a Diamond drill hole on the Vine 39 mineral claim.

Diamond drilling was done between April 5, 1984 and May 18, 1984.

Total expenditures related to the Diamond drilling program amounted to \$116,674.39.

#### 2.00 INTRODUCTION

### 2.10 Status of Ownership

The Vine 39 claim is 100% Cominco owned.

### 2.20 Location and Access

The Vine 39 claim is located 6 kilometers SW of Cranbrook, B.C. Access to the drill site may be gained via Highway 3/95 and approximately 1 kilometer of rough bush road.

The collar of D.H. V-83-1 is located on Vine 39 Mineral Claim at Latitude 49 27' 25" and Longitude 115 15' 30".

### 2.30 General Character of the Area

The relief on the Vine 39 claim is flat to moderately rolling. Elevations range between 1000 m and 1140 meters. The area was logged prior to 1920. Natural regeneration has reforested the area to stands of Lodgepole Pine, Ponderosa Pine, Douglas Fir and Larch.

#### 3.00 DIAMOND DRILLING

One D.D.H. V-83-1-E was collared at a depth of 365.8 meters on the bottom of an existing hole. Diamond Drill hole V-83-1-E drilled to a depth of 1205.7 meters. Sperry Sun Survey tests were taken at 11 points throughout the hole (see page 37 drill log).

The hole cored 839.9 meters of Aldridge stratigraphy; no intrusive rocks were encountered. The sediments in the hole are generally thin to medium bedded, but some thick to very thick beds are present. Lithologically, these sediments are mainly quartzitic wacke, quartz wacke and wacke. The sediments are generally weakly biotitic. Chlorite commonly occurs along fractures and as irregular patches within the sediments. Sericitic alteration is commonly found in quartz wacke beds. Weakly disseminated pyrrhotite and pyrite are found in the sediments throughout the hole. Pyrrhotite in thin laminations is rare, but does occur in some wacke beds. Minor sphalerite and galena is generally associated with the quartz-chlorite filled fractures. Sphalerite is very rare in the sediments, and if it is found, it is usually associated with pyrrhotite.

Bedding to core-axis angles range between 86° and 78°. The hole intersected a faulted zone between 685.0 meters and 780.0 meters. The faulted zone consists of 4 strong shears approximately 30 meters apart. These shears cut the core axis at 20° and consist of brecciated sediments in a soft fault gouge matrix. The faults are partly filled with calcite and minor pyrite.

#### 4.00 CONCLUSIONS

The rocks which were cored by D.D.H. V-83-1-E are lithologically typical of the Aldridge Formation. The hole did not encounter any mineralization of economic significance.

Report by:

Geologist

Endorsed by:--

D. ANDERSON, P.En Project Geologist

Chief Geologist

Kimberley

Approved fo Release by

G HARDEN, Manager Exploration Western District

Vancouver

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

# EXHIBIT "A" (PART 1)

# STATEMENT OF EXPENDITURES

# DIAMOND DRILLING - VINE 39 CLAIM (20 units)

# FORT STEELE MINING DIVISION

April	5	to	A	pril	30
-------	---	----	---	------	----

# Salaries

D.L. Pighin -	Geologist,	Field,	office,	planning,	
	Supervision	, Core	logging	19 days @ \$207	\$ 3,933.00

# Mobilization

Bearcat Contracting - 18 hours	1,692.00
Henderson Heavy Hauling - 42 hours	2,818.00

# Road Access

Henderson Heav	y Hauling - 4 hours	376.00
nenderson near	y mauring - i nours	310.00

# Transportation

4x4 truck - 3 days @ \$40/day	120.00

# Direct

Longyear Canada Inc. 721 Aldford Avenue	68,277.40
Annacis Island, New Westminster, B.C.	
V3M 5P5	\$77,216.40

D.L. PIGHIN

Geologist

### EXHIBIT "A" (PART 2)

#### STATEMENT OF EXPENDITURES

### DIAMOND DRILLING - VINE 39 CLAIM (20 units)

### FORT STEELE MINING DIVISION

### May 1 to May 18

### Salaries

D.L. Pighin - Geologist, field, office, supervision, core logging, report writing - 14 days @ \$207 \$2,898.00

### Demobilization

Bearcat Contracting - 10 hrs 1,004.00 Henderson Heavy Hauling - 5 hrs 371.26

### Road Access

Bearcat Contracting - 6 hrs 500.00

## Supplies & Equipment

Core boxes, mud etc. 7,119.66

### Direct

Longyear Canada Inc.
721 Aldford Avenue
Annacis Island
New Westminster, B.C.
V3M 5P5

27,565.07

27,565.07

\$ 39,457.99

D.L. PIGHIN Glin

### IN THE MATTER OF THE

#### B.C. MINERAL ACT

AND

IN THE MATTER OF A DIAMOND DRILL PROGRAMME
CARRIED OUT ON THE VINE 39 MINERAL CLAIM

#### PALMER BAR CREEK AREA

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

More Particularly N.T.S. 82G/5W

#### AFFIDAVIT

- I, D.L. Pighin, of the City of Cranbrook, in the Province of British Columbia, make Oath and say:
- That I am employed as a Geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
- That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a Diamond Drill programme, on the Vine 39 Mineral Claim.
- That the said expenditures were incurred between the 5th day of April, 1984 and the 18th day of May, 1984 for the purpose of mineral exploration on the above noted claim.

Geologist

### COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

# STATEMENT OF QUALIFICATIONS

D.L. PIGHIN has personally conducted many types of mineral exploration work for Cominco Ltd. over the last eighteen years.

I consider him well qualified to prepare this report.

D. AMDERSON, P.Eng. Project Geologist

Property VIN	IE ril 5, 1984	District Fort Steele Location Vine 39 claim	Hole No. V-83-1-E Tests at 11 tests, See Page 36	Hor. Comp.						
	v 17, 1984	Care Size HQ to 775.3, NQ to		Vert. Comp.			]			
	: 49° 27' 25", L	one: 115° 15' 30'	US.7 True Brg. S74 top, S67 bott	comLogged by D	L. Pighi	n	]	1	00	
	test Aldridge Sed		% Recov. 90-95%	Date April &		100 1	Claim	8.0	Collar	
						1	0	-		٤
Footage From Te	Description 0 to 365.8 - See	Drill hole Loss V-82-1 & V-83-1.			Sample No.	Langth	Ana	lysis	1	7
365.8 - 367.8	Ourtritic Vack	er medium bedded, fine grained,	poorly laminated, contacts indistin	ict.						1
365.6 - 4511-	- quarter -	7, 100000					1			1
367.8 - 379.5	Ovartz Wacke: m	edium to thick bedded, generally	medium grained, contact distinct-un	indulating,		100				1
307.0 - 572.5			are weakly chloritic and sericitic.		1					1
	to core 87°.	Bernard								
	The same of the sa	Badly broken core; probably faul	t zone some fault gauge.							
	371.0 10 070.0	Dental Control								
379.5 - 381.9	Wacke, Thin Inte	erbeds Quartzitic Wacke: medium /	to thin bedded, medium to fine grain	ned,						
313.0 - 302.0		harp, some parallel lamination.								
-	Contacts 11st	mip; the parties								
381.9 - 384.3	Wacke: medium by	which very fine grained, contact	ts flat sharp, very well parallel lo	aminated.						Ì
301.9 - 301.0	Watcher, States	Activity 1997		APPENDICTOR STORY						
								_	_	
384.3 - 390.3	Quartz Wacke, Ir	sterbedded Wacke; medium to thick	k bedded, very fine to medium grain	ed,		-	1	1	1	-
			some flame structured wacke tops. \			+	1	1	4	-
	beds generally w	wavy laminated.				-	1	1	+	_
	389,4 - 393,0	Fault breccia zone, at 20° to cor	e? matrix mainly fault gouge.	7117		1	1	1	+	_
						-	1	+	-	-
390.3 - 396.6			thin bedded, fine to very fine grain		1	-	-	1	-	_
	contact flat to	undulating, rip-up clasts common	on bed tops, wacke beds good para	illel	-		1	1	1	_
	lamination. Cal	cite after selenite xtls common	in wacke bed tops some pyrite-pyrri	notite		+	+	1	+	_
						1	1			_
										ì
Drill Hole F	Record			•	Page 2					
	1000.0			Cominco			1	1		
Property		District	Hole No. V-83-1-E	•			1			
		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.			1	10		
Co-ordinates			True Brg.	Logged by			1	13	0	
C40011111-1			% Recov.	Date			E	9	Collar Dip	
Objective			W NECOT.	-			Cleim	T Brg.	3	

Property Commenced		District	Hole No. V-83-1-E	Hor. Comp.							
		Core Size	Corr. Dip	Vert. Comp.			1				
Completed		Core sue	True Brg.	Logged by			1		9		
Co-ordinates			% Recov.	Date			E	g g	Sollar Dip	. 1	
Objective			W NECO-	54.0			18	0	3	Elev	5
Footage From To	Description				Sample No.	Length	Anal	raia .			Ξ
390,3 - 396.6	along hair line	fractures.									
Cont'd		Hammelon III				-	-				
396.6 - 401.8	Quartz Wacke; me	dium to thick bedded, gen	erally medium grained contacts indis	tinct-undulating,		-					
- Sec. 1-17	some thin wavy t	o non-laminated wacke bed	tops, section generally sericitic,	calcite after		-	_				
	selenite common	in wacke bed tops.			+	-			-	+	_
101.8 - 403.6	Quartz wacke Int	erbedded Wacke; medium to	thin bedded, medium to fine grained	contacts							_
	undulating-disti	nct, fine wavy to wispy 1	amination in wacke beds. Some flame	structured	-	-	$\vdash$	-	-	-	_
	127 - Land Street 173 173 (Schools St. 173 )	tz wacke beds generally s			-	-	-			+	_
103.6 - 411.0			thick bedded, medium to fine graine								_
	undulating-disti	nct to barely visable was	ke beds are parallel to wavy laminat	ed. Bedding	+	+		_		-	_
	to core 86°.										
411.0 - 412.6			to yery thin bedded, fine to medium								
	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	The state of the s	scale cross bedding common, section w		-	1		-		+	_
	very thin lens o	of calcite and chlorite co	ontains specks of reddish brown sphal	erite.							
412.6 - 415.0	And the second s	THE RESERVE AND ADDRESS OF THE PARTY OF THE	wacke tops, medium to thin bedded,	medium to fine	-	-	-		-	+	-
	grained, contact	s indistinct to barely vi	sable.				+			+	

Property VINE		District	Hole No.	V-83-1-E				1				
Commenced		Location	Tests at		Hor. Comp.					1		1
Completed		Core Size	Corr. Dip		Vert. Comp.			-		-		
Co-ordinates			True Brg.		Logged by					o o		
Objective			% Recov.		Date			Claim	Brp	Collar	Š	digos
Footage	Description	<del></del>				Sample No.	Length	Ana		10	w .	12
rom Te		artzitic Wacke; medium	es this bodded and	iem to fine eral	ned contacts							
415.0 - 417.4		the state of the s		in to line gran	ned, concacts							Г
	Sharp-undurating and	flat, some parallel	amination.									
417.4 - 421.4	Quartz Wacke: thick	to very thick bedded,	thin wacke tops are	rare; generally	medium grained;	100						
		dulating, beds are ser					+	-	-	-		
421.4 - 424.5		thin bedded, very fine			finely parallel	1			F			
	luminated, rare sma)	1 scale cross beds, V	ery limy from 423 to	424.								
424,5 - 425,6	Quartz Wacke, very t	hick bedded, medium gr	mined, contacts not	visable, strongl	y sericitic.	-	-	-	-			-
425.6 - 431.0	Quartz Wacke; medium	to thick bedded, thir	non-laminated wacke	bed tops, mediu	m to fine							
	grained, contacts gr in spots,	adational to barely vi	sable, generally ser	icitic, and weak	ly biotitic		=	F				
431.0 - 435.3	Quartzitic Wacke Int	erbedded Wacke; thin t	o very thin bedded.	medium to very f	ine grained,		-	-				-
	pyrite common in was	at and sharp, wacke be ke beds.	eds parallel laminate	d, Bands of dis	sommated	-	-	_	-	_		_
435.3 - 441.3	Quartzitic Wacke; m	dium to thin bedded,	thin parallel and way	y laminated wack	e tops, medium							F
		stacts indistinct-undu				-	-	-	1	-	-	-

Property VINE	District	Hole No. V-83-1-E				1		
Commenced	Location	Tests at	Hor. Comp.			1	1	
Completed	Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates		True Brg.	Logged by			1		à
Objective		% Recov.	Date			Claim	Brg	Collar
Footage From To	Description			Sample No.	Length	Ana	-	10
441.3 - 455.4	Quartz Wacke, Minor Wacke Interbeds	s; medium to thick bedded, generally m	edium grained, thin					
	The Parties of the Control of the Co	ets distinct-undulating, quartz wacke	TO LOS THE TOTAL CONTROL OF THE PARTY OF THE					
	sericitic.			+-	-	-	-	_
455.4 - 456.7	Wacke Interbedded Quartzitic Wacke:	thin to very thin bedded, medium to	very fine grained.					
		parallel lamination in wacke beds. Cl						
	thin disseminated bands of pyrrhoti				-	-	-	-
456.7 - 457.8	Quartz Wacke; thick bedded, medium	grained, non-laminated wacke tops, con	ntacts distinct-					
	undulating, generally sericitic,			-	-	-	-	-
457.8 - 460.8	Quartzitic Wacke, Interbedded Wacke	; thin to very thin bedded, medium to	fine grained,	_	-			
		urallel laminated. Bedding to core 86		+-	+-	-	-	-
460.8 - 462.0	Quartz Wacke; medium to thick bedde	ed, thin non-laminated wacke tops, mod	ium grained, contacts,					
	barely visable-undulating? generall	y sericitic and weakly chloritic.		-	+	-	-	-
462.0 - 465.3	Wacke: medium to thin bedded, very	fine grained, contacts flat sharp, ges	nerally finely	1				
	parallel laminated.			-	1	-	-	-

Property VIN	E	District	Hole No. V-83-1-E								
Commenced		Location	Tests at	Hor. Comp			4				
Completed		Core Size	Corr. Dip	Vert. Comp			1			1	
Co-ordinates			True Brg.	Logged by			-	U	å		
Objective	A	% Recov. Date						Bro	ollar Dip	Jev.	dione.
Footage From To	Description				Sample No.	Length	E S	ysis		Jw_	T
	Quartz Wacke In	terbedded Quartzitic Wacke;	medium to thick bedded, thin nor	n-laminated wacke to	ps,						I
	medium grained	contacts indistinct to but	rely visable, sericitic.								
						-			_		L
467.0 - 471.3	Wacke Interbede	ded Quartzitic Wacke; thin t	to very thin bedded, medium to ver	ry fine grained,		-					1
	contacts sharp-	flat, small scale soft sed	ment folding common through-out a	unit, generally	-	-	-		-	-	H
	parallel lamina	ated.								+	
471.3 - 486.1	Quartz Wacke Mi	inor Interbeds of Wacke and	and very thick bedde	1,						F	
	medium to fine	grained, contacts distinct	and undulating, quartz wacke beds	s commonly sericitic	-	1	+				t
	DESCRIPTION OF THE PROPERTY OF		ctures. This biotitic quartz vein	a ac 10 to core.	$\neg$	1	$\vdash$			_	t
	485.6 - 486.0	Badly broken ground,									
486.1 - 488.9	Wacke Interbedo	ded Quartzitic Wacke; thin t	to very thin bedded, medium to ver	ry fine grained,							1
	contacts unduly	ting-distinct, some with f)	lame structured bases, fine to mox	derately spaced		-	$\vdash$	_	_	-	H
	parallel lamins	ation. Cleavage to core 10	),		-	+		-			H
488.9 - 496.7	Quartzitic Wac	ke and Quartz Wacke, medium	to thick bedded?, medium grained	, badly broken groun	ā.	-	F			-	+
496,7 - 500.0	Fault Breccia;	angular clasts in soft fau	It gauge matrix, shearing 45° to	wore,						-	-
500,0 - 503,6	Quartzitic Wac	ke; medium to thick bedded	medium to fine grained, contacts	undulating-distinct			=				F
	3 to 6 cm wacks							_		_	L

Property V	TINE	District	Hole No. V-83-1-E	Cominco Pag	7.5				
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.		-	1	1	
Co-ordinates		00.0 04.0	True Brg.	Logged by		-	1		d D
Objective			% Recov.	Date			-	á	
			74 Hacor.	Date			Claim	Bro	Sollar
Footage From To	Description				Sample No.	Length	Anal	ysis	
503 6 - 510	1 Ouartz Wacke:	medium to very thick hedder	, medium grained, 3 to 6 cm wack	e had tone contacts					
200.0	STORY OF THE PARTY	tinct, generally sericitic		e non topis, contracts	1		1	-	
	MINORI RETURNATE	MINE, MINERALLY SCITCIFFE	and weakly childritic,			1		-	
510.1 511	O Markey madden			THE PROPERTY OF		_	-	-	
5/0.1 - 5/1			contacts flat sharp, thinly para	Hel laminated.	1	-			
	Bedding to 80°				+	+	-	-	
-	_				+	+	-	-	$\rightarrow$
511.0 - 515	6 Quartz Wacke:	medium to thick bedded, med	tium grained, contacts? core badly	y broken.	1				
100		citic and weakly chloritic.			1		1113	10	
		The same of the sa							
515.6 - 519	.6 Wacke Interbede	ded Quartzitic Wacke; thin	to very thin bedded, fine to very	fine grained,					
	contacts flat s	sharp, wacke units finely p	arallel laminated, rare lamina of	f pyrite and	9.71.7				
	pyrrhotite. 5)	19.0 - 519.4 Brecciated.							
100000000000000000000000000000000000000					- Land				5
519.6 - 520.	3 Quartz Wacke; n	medium to thick bedded, med	ium to fine grained, contacts dis	stinct-undulating,					
	thin wacke bed	tops, weakly chloritic and	sericitic. Strong cleavage @ 25	to core.					
520.3 - 521.	O Wacke; thin to	very thin bedded, very fin	e grained, contacts flat sharp, 1	inely parallel	100				
	the state of the s	ing to core 80°.						11	
-		The state of the s							2

Property VI	NE D	istrict	Hole No.	V-83-1-E						1 1		
Commenced		ocation	Tests at		Hor. Comp.			4				
Completed	C	ore Size	Corr. Dlp		Vert. Comp.		_	-		-		1
Co-ordinates			True Brg.		Logged by			-		oller Dip		=
Objective			% Recov.		Date			E .	Brg.	2	ě.	ength
rom To	Description					Sample No.	Length	Anal	yels	10		12
521.0 - 526.2	Quartz Wacke; medium to	very thick bedded	, medium grained, con	tacts distinct-un	dulating.							
	thin wacke-subwacke bed	A CONTRACTOR OF THE PARTY OF TH	THE RESERVE OF THE PARTY OF THE									
	vein (4 cm thick) @ 12	to core,				-	-					-
526.2 - 528.3	Quartzitic Wacke; mediu	m to thick bedded.	coarse grained, contr	ects undulating-s	harp.		-					
	3 to 5 on parallel laws					-	-					
528.3 - 531.8	Quartz Wacke; medium to	thick bedded, med	ium to fine grained, o	contacts undulati	ng-distinct,							L
	2 to 3 cm non-laminated	wicke-subwicke to	ps, chloritic quartz	wein 3 cm thick a	t 120 to core,	-	-	-	-	-		-
531.8 - 537.7	Quartzitic Wacke; mediu	n bedded, fine to	nedius grained, contac	ts undulating di	stinct,							
	thin wavy isminated was	ke tops, weak pyrr	notite dissemination r	ear bed tops.			-	-			-	-
537.7 - 542.5	Wacke Interbedded Quart	z Wacke; thin to m	edium bedded, some ver	y thin bedded, w	ery fine to							
	medium grained, contact	s-undulating disti	set, wacke beds common	ly wavy laminate	d, quartz	-	-			$\vdash$	_	
	wacke beds weakly chlor	itic and sericitic				+	-					-
542.5 - 546.2	Quartz Wacke; thick to	very thick bedded,	medium grained, conta	cts distinct-und	ulating, no							_
	wacke tops, weakly chlo	ritic and sericitie	1			-					-	-
				1714								

Sense Plan & Date

Property VINE	District	Hole No. V-83-1-E	Hor. Comp.							100
Completed	Core Size	Corr. Dip	Vert. Comp			1				- 4
Co-ordinates	Coll One	True Brg.	Logged by					o o		
Objective		% Recov.	Date			E	9.0	Sollar	2	100
Jujecuse						ō	-	8	<u>a</u>	3
oolage rom To	Description			Sample No.	Length	Ana	yera			
546.2 - 551.8	Quartzitic Wacke Interbedded Wacke;	medium to thin bedded, fine to medium	grained, contacts				1			
		t, some wacke beds show good parallel			-	-	-	-		-
		contains abundant pyrrhotite <b>G</b> 12° to			-					_
					-	_				-
551.8 - 553.0	Wacke Interbedded Quartzitic Wacke:	thin to very thin bedded, fine to very	y fine grained,		-	-	-	-		-
	contacts mainly flat-sharp, generall	y finely laminated wavy and parallel.		-	-	-	-			-
					-	-	-	-	$\rightarrow$	-
553.0 - 559.6	Quartzitic Wacke Interbedded Wacke;	thin to medium bedded, fine to very f	ine grained,	_	-	+	+	-		-
	contacts flat-sharp, wacke beds fine	ly parallel laminated with finely dis	seminated pyrrhotite		-	-	+	-		
				-	+	$\vdash$	-	-		-
559.6 - 561.0	Wacke; thin to very thin bedded, ver	y fine grained, very thinly parallel	laminated, contacts	-	-	-	+	-		-
	flat sharp,			-	+-	+	+		$\vdash$	$\rightarrow$
				-	+	+	+	-		
561.0 - 578.6	Quartz Wacke Interbedded Wacke; medi	um to very thick bedded, with thin wa	cke interbeds,	-	+	+	+	-		$\neg$
	quartz wacke medium to very course a	grained, contacts generally flat sharp	).	-	-	+	+	-	-	-1
	570.0 - 571.1 Fault Breccia zone, s	dilicified, chloritic and pyritic.		_	-	+	+	1		$\neg$
	570.5 - 571.0 Soft fault gouge, she	ear 0 60° to core.		_	+	+	+			
		medium to thin bedded, contacts flat-	sharp, fine to very			T	+			
578.6 - 586.2	fine grained, wacke beds parallel is	minated Badding to core 85°.	***************************************			T	1	1		
1	fine grained, wacke beds parallel is	minimum position in the same of the same o				T	T			
-						T	T			

Property VINE		District	Hole No. V-83-1-E	•							
Commenced		Location	Tests at	Hor. Comp.						1	
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates			True Brg.	Logged by					Coller Dip		
Objective			% Recov.	Date			Claim	Brg.	ě	ż	ē
	1-					_	_	ysis	8	ă.	<u>.</u>
cotage rom To	Description				Sample No.	Length	Ane	Yeis			
586.2 - 595.2	Quartzitic Wacks	e Interbedded Wacke; mediu	m-thin bedded, fine to very fine	grained, contacts							
	are mainly dist	inct-undulating, some are	flat-sharp, wacke beds range fro	m finely parallel							
	laminated to no	o-laminated. Rare dissemi	nated pyrrhotite and pyrite lam	na.							
The second	Sec.										
595,2 - 601.3	Quartz Wacke; th	hick to very thick bedded,	medium to coarse grained, 3 to	6 cm laminated wacke			_				
	tops, contacts o	undulating distinct, gener	ally weakly sericitic,				_				
	William Swille de la Co	1000 Charles 18 50 T 580 T, 27 TH, 1900 F-01 (200)									
								-		-	
601.3 - 604.0	Quartzitic Wacks	e Interbedded Wacke; mediu	m to thin bedded, contacts undu	ating distinct,		-	_	-		_	
	medium to very	fine grained, some paralle	l lamination in wacke beds.				_			_	
						-	1			1	
604.0 - 608.0	Quartz Wacke; th	hick bedded, medium graine	d, 2 to 5 cm non laminated to w	vy laminated wacke		-	-	_		-	
CONTRACTOR	tops, contacts of	distinct-undulating, gener	ally weakly sericitic.			-	-	-	$\Box$	-	
					-	-	-	-		-	-
608.0 - 611.2	Quartzitic Wacks	e Interbedded Wacke; mediu	m bedded, medium to fine grained	, contacts	-	-	-	-		-	_
	distinct undulat	ting.			-	+	-	-		+	-
					-	+	-	-		+	-
611.2 - 617.0			ium grained, 3 to 5 cm wacke top	s, contacts	-	-	-	-	-1	-	-
	barely visable,	weakly sericitic through-	out,		-	+	-			-	-
						+		-		+	-
						-	-	-	-	-	_

Drill Hole Record Cominco Page 10 Hole No. V-83-1-E District Hor. Comp. Tests at Location Commenced Vert. Comp. Core Size Corr. Dip Completed True Brg. Logged by Co-ordinates % Recov. Date Objective Description 617.0 - 623.0 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts barely visable due to bit scouring, wacks interbeds generally wavy laminated. Wacke, Interbedded Quartzitic Wacke; medium to thin bedded, medium to very fine grained, 623.0 - 629.2 contacts mainly flat-sharp, wacke beds fine to very finely laminated. Quartz Wacke; medium to thick bedded, medium to fine grain, contacts gradational-barely 629.2 - 638.4 visable, some parallel laminated wacke tops, but mainly no wacke tops, quartz wacke beds generally sericitic and chloritic along hairline fractures. @ 634.0 4 cm thick zone contains disseminated pyrrhotite with minor sphalerite est, <0.17% Zn. Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained, 638.4 - 644.3 contact undulating-distinct to burely visable, wacke beds commonly finely parallel laminated. Wacke Interbedded Quartzitic Wacke; thin to very thin bedded, fine to very fine grained, 644.3 - 647.6 contacts flat-sharp and undulating distinct.

Property VI	NE District	Hole No. V-83-1-E	Cominco Pag			1	1	ľ
Commenced	Location	Tests at	Hor. Comp.					
Completed	Core Size	Corr. Dip	Vert. Comp.			1		
Co-ordinates		True Brg.	Logged by			1	П	0
Objective	and the second second	% Recov.	Dete			E	Bro	Collar Dip
	1				7	Cle	18	3
From To	Description			Sample No.	Length	Ana	ysis	_
647.6 - 649.8	Quartzitic Wacke; medium bedded, medi	m to fine 3 to 5 m washe had tone	contents distinct	1		-	-	
01110	undulating, some flame structured con-		CONTRACTS GISTINGT-	1	1	-	-	
1	and the same training at the table con	LRC LO,		_			-	
649.8 - 652.8	Quartz Wacke; thick to very thick beds	ded medium grained contacts barely y	visable weakly		-	$\vdash$	-	-
	chloritic and sericitic.	and the property of the say				1	-	$\vdash$
0.								
652.8 - 660.4	Wacke, Interbedded Minor Quartzitic Wa	scke; thin to medium bedded, fine to v	very fine grained,	150.50				
	contacts flat-sharp, fine to very fine	parallel laminated wacke beds, some	thin limy beds					
	<.5% CaOo, chloritic along bedding pla	anes, weakly sericite through-out. Be	edding to more 90°.					
660.4 - 663.3	Quartz Wacke; medium to thick bedded,	medium grained, contacts undulating-d	distinct, 1 to 10 cm					
	non laminated wacke bed tops, weakly o							
663.3 - 665.2	Quartzitic Wacke; medium bedded, fine	to medium grained, contacts barely vi	sable to distinct,					
	generally undulating non-laminated to	wavy laminated wacke bed tops.						
					-			
665.2 - 668.0	Wacke interbedded Quartzitic Wacke; th	in to medium bedded, fine to very fin	e grained,					
	contacts mainly flat-distinct, wacke b	eds commonly finely parallel laminate	d.					
		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT						
668.0 - 671.6	Quartz Wacke, medium to thick bedded,	medium grained, thin non laminated wa	cke tops, contacts					
	barely visable, weakly sericitic and c	hloritic along hairline fractures.						
							. 1	
			CONTRACTOR CONTRACTOR					
Drill Hole R	record		**					
1			Cominco Page	12	2			
Output VI	NE District	Hole No. V-83-1-E	•					
richard	Location	Testa at	Hor. Comp.					
Commenced	Core Size	Corr. Dip	Vert. Comp.					
Completed	COIR DIE	True Brg.	Logged by				13	Collar Dip
Co-ordinates		live big.	COMPAGE DA		_		T 810.	-

Drill Hole F	ecord	Diatrict	Hole No. V-83-1-E	Cominco	Page 12						
Commenced		Location	Tests at	Hor. Comp.					ш		
Completed		Core Size	Corr. Dip	Vert. Comp.			1		1 1		
Co-ordinates			True Brg.	Logged by			1		8		
Objective			% Recov.	Date			Claim	8	offer		-
Footage	Description				Sample No.	Langth	Ana	-	19	<u> </u>	_
From Te	Obstription				No.	-		-			Ξ
671.6 - 675.4	Quartzitic Wacke Int	erbedded Wacke; fine	ly crackle brecciated, matrix white	e quartz,	_	-	_	-			_
	sed, clasts will chle	oritized and silicif	ied, rare fine pyrite in quartz.		-	-	-	-		-	_
	A STATE OF THE STATE OF THE	management of the second		A CONTRACTOR OF THE PARTY OF TH	-	-	-	-			-
675.4 - 683.5	Mainly Quartz Wacke;	strongly fractured	parallel to core and at 20° to com	e, chloritic and	_	-	-	-	-	-	-
	sericitic mainly alo	ng fractures.			-	+	-			+	
683.5 - 685.6	Wacke, Interbedded Q	uartzitic Wacke; med	ium to very fine grained, contacts	distinct-							
	undulating, wacke bee	is generally finely	parallel laminated. Chlorite occur	rs in patches		-	-	-		-	_
	and along hairline f	nictures.				-	$\vdash$	-	$\vdash$	+	-
685.6 - 691.6	Fault Breccia; matri	s soft fault gouge,	brecciated sediments and quartz ve	ins, brecciated							
	quartz mineralized by	y massive patches of	chlorite and disseminated pyrite.	Fault HW contact	_	+	-	-	$\vdash$	-	_
	e 17° to core. Good	sharp contact.									
691.6 - 706.4	Strongly Practured as	nd Brecciated Wacke,	Quartzitic Wacke and Quartz Wacke	some thin zones			-	-		+	-
			y 0 150 to core, appears to be no	chlorite,	_	1	-	1			
	silicification or py	rite associated with	brecciation of fractures.								
706.4 - 708.2	Wacke Interbedded Qu	artz Wacke; medium t	o thin bedded, fine to coarse grain	ned, contacts		-	-	-		+	
	mainly flat-sharp, w	acke beds finely par	allel laminated. Bedding to 85°,		-			-			
											_

Property VINE		District	Hole No. V-83-1-E	**			1			
Commenced		Location	Tests at	Hor, Comp.	-					
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates		•	True Brg.	Logged by				100	å	
Objective	-		% Recov.	Date			E	9.0	Sollar	
Footage From To	Description				Sample No.	Length	Ana	ltysis	10	
708.2 - 710.9	Diserty Warks: madism	to thick hodded mai	aly coarse grained, 2 to 6 cm r	and American design	1		+	1	-	1
710.5			commonly flame structured, gene					-		i
	sericitized,	The second second	commonly rime arracemen, gene	inity meanly			1	1		İ
							T			٠
710.9 - 711.0	Quartzitic Wacke; med	lium bedded, fine gra	ined, non laminated 2 to 4 cm 1	aminated wacke bed tops.						1
	contacts undulating d									
			-							
711.0 - 715.3	Quartz Wacke; medium	to thin bedded, media	m grained, contacts barely vis	able, generally	1					1
	weakly sericitic, and	chloritic along hair	rline fracture and irregular sm	all quartz veins.		-	-			ļ
					-	-	-			Į
715.3 - 715.8	Fault Breccia; quartz	- calcite matrix. I	H.W. of breecia zone 15° to cor	е.	-	-	1	-		ł
					-	-	-	-	-	ł
715.8 - 718.0	Quartz Wacke; stronge	ly fractured, mainly	parallel to core. Very rubbly	core,	-	-	+-			ł
718.0 - 722.0	Wacke Interhedded Out	rtzitic Wacke: modium	to thin bedded, fine to very	fine erained	1	-	1			t
10.0			llel lamination in wacke beds,	A. Marine					- 3	1
									2.	I
722.0 - 723.0	Strongly Fracture Qua	rtzitic Wacke and Wac	cke; very rubbly core.					-		ļ
					1	-	-	-		ł
723.0 - 725.0	Fault Breccia; matrix	soft fault gouge, sh	pearing 0 15° to core.		-	-	+	-		ł
					-	-	-	-		ł
					1	1	_	_		I
							-	-	-	-
Essage estatas ses	2000			**			1	1 1	-1	
Drill Hole R	ecord			Cominco Page	. 14					
				•••	. 14		1			
Property VINE		District	Hola No. y-83-1-E							
Commenced		Location	Tests at	Hor, Comp. Vart. Comp.		-	1			
Completed		Core Size	Corr. Dip				1		9	
Co-ordinates			True Brg. % Recov.	Logged by Date			E	6	Collar Dip	
Objective			A DESCE	011					3	-
	Description				Sample No.	Length	Analy	sis		_
rom To	Market Present At A A	antita Budan arras	ly fractured 0 15° to core, ver	w rubbly core				$\Box$	$\neg$	ľ
725.0 - 727.6	but appears to have be			/ . souly cone	-	1			$\rightarrow$	ŕ

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Property VII	NE.	District	11.14 M	•	INCO PAGE	-				
Commenced	AL.	Location	Hole No. V-83-1-E					1		1
Completed		Core Size	Tests at		Сотр.	_	-	4		1
Co-ordinates		Core size	Corr. Dip		Comp.	_	-	-		10
Objective			True Brg.		ed by	-	-	1.	14	00
Colecuia			w necov.	Date		_		- 15	Brg	Sollar
Footage From To	Description				7	Sample No.	Lengin	Ani	alysis	-
	Wacke; thin bedd	led, fine to very fine g	rained, contacts flat-sharp, fin-	alw namilal lamin	ated.	-	_	+	+	+
	some thin limy u	mits rarely more thin 2	om thick, widely scattered, ver	ry thin pyrite	Aller V				$^{\dagger}$	T
	lamina has 9 whi	te speckled texture due	to sericitization.						T	
750.3 - 750.7	Fault Breccia; m	atrix finely xtln bluish	h gray quartz and finely dissemin	nated pyrite.		-	-	-	+	-
	shear 18 to cor	e, 5 cm fault gouge on :	footwall.		_	_	+	+	+	$\vdash$
750.7 - 752.0	Quartz Wacker his	ghly fracture rubble cor	-			_	-	-	+	+
100.1	Tank to them, in	gary tractare rather con					1	1	+	$\vdash$
752.0 - 755.0	Quartz Wacke; mex	dium to thick bedded, me	ainly fine grained, thin parallel	laminated pyritic		-			1	
			beds appear to be strongly silici						T	
		gh-out milicified quartz			ALCOHOL:				I	
								L		
755.0 - 755.8			rained, to partly xtln. Contacts	flat-sharp, very			-	-	-	
	finely parallel 1	laminated, approximately	25% calcium carbonate.			_	-	-	+	-
755.8 - 756.6	Vacke Intertweblad	Ourtritte Wacher thin	to very thin bedded, medium to	vom fine on too			1	-	+	-
730.6 - 130.0	contacts undulati		to very thin becase, mentum to	very line grained,		_	-		+	$\vdash$
	CONTROL S INSUITATI	ag west net.							1	
756.5 - 768.9	Quartz Wacke; med	ium to thick bedded, me	dium to coarse grained, contacts	distinct-undulati	ng					
		A PARTIES PROPERTY AND AND	nt gray wacke-supwacke bed tops.	'N core starte @	100.9.			_	-	
Drill Hole F	Record	-	ht gray wacke-subwacke bed tops.			16	-			-
Drill Hole F	Record	THE SHIP PRINCIPLE AND ADDRESS OF THE PARTY			100 Page	16	-		- 	
Drill Hole F		District	Hole No. V-83-1-E	Comin	ngo Page	16	-			-
Property VINZ Commenced		District Location	Hole No. V-83-1-E Tests at		ngg Page	16	-		-	
Property VINZ Commenced Completed		District	Hole No. V-83-1-E	Camin Hor, C	comp.	16	-		-	dio
Property VINZ Commenced Completed Co-ordinates		District Location	Hole No. V-83-1-E Tests at Corr. Dip	Gamin Hor, C Verl. C	comp.	16	-	- Land	Brg.	ollar Dip
Property VINZ Commenced Completed		District Location	Hole No. V-83-1-E Tests at Corr. Dip True Brg.	Gamir Hor, C Vert. C	omp.		- Leson	Ciera	yala yala	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective	Description	District Location Core Size	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.	Hor. C Vert. C Logge Date	comp.	16	Langin	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective	Description  Wacke Interbedded	District Location Core Size	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.	Hor. C Vert. C Logge Date	comp.		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective	Description Wacke Interbedded	District Location Core Size  d Quartzitic Wacke; meditable barely visable, wac	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.	Hor. C Veri. C Logge Date  Date  pe grained, contact  l lamination in	comp.		Langin	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective	Description Wacke Interbedded	District Location Core Size  d Quartzitic Wacke; meditable barely visable, wac	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.	Hor. C Veri. C Logge Date  Date  pe grained, contact  l lamination in	comp.		Langin	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Facings Facings 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds. Some	District Location Core Size  d Quartzitic Wacke; medi bed barely visable, wac wacke beds contain thi	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Tunn to thin bedded, medium to fine the beds sharp-flat, fine paralle in interteds of calcareous wacks	Hor. C Vert. C Logge Date  Per grained, contact I lamination in up to 10% calcium.	ico Page comp. comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Facings Facings 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds, Some	District Location Core Size  d Quartzitic Wacke; medi bed barely visable, wac e wacke beds contain thi ick bedded, medium grain	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Tum to thin bedded, medium to fin the beds sharp-flat, fine paralle in interteds of calcareous wacks med, thin light gray non-laminate	Hor. C Vert. C Legger Date  Date  pe grained, contact l lamination in up to 10% calcium.	ico Page comp. comp. d by		Length	-	_	Coller Dip
Property VINZ Commenced Completed Co-ordinates Objective Facings Facings 768.9 - 771.0	Description Wacke Intertedded quartzitic wacke wacke beds, Some Quartz Wacke; thi distinct-undulati	District Location Core Size  d Quartzitic Wacke; medi bed barely visable, wac e wacke beds contain thi ick bedded, medium grain	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Tunn to thin bedded, medium to fine the beds sharp-flat, fine paralle in interteds of calcareous wacks	Hor. C Vert. C Legger Date  Date  pe grained, contact l lamination in up to 10% calcium.	ico Page comp. comp. d by		Langin	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Feetings From Te 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds, Some Quartz Wacke; this distinct-undulating developed.	District Location Core Size  d Quartzitic Wacke; medit be wacke beds contain this ick bedded, medium grain ing, generally weakly se	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Lum to thin bedded, medium to fin the beds sharp-flat, fine paralle in interbeds of calcareous wacke	Hor. C Ven. C Logge Date	comp. Comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Feetings From Te 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds, Some Quartz Wacke; this distinct-undulating developed.	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wac wacke beds contain thi tick bedded, medium grain ting, generally weakly so	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  True beds sharp-flat, fine paralle in interbeds of calcarcous wacke med, thin light gray non-laminate ericitic with some small pink sub	Hor. C Ven. C Logge Date  Date  permined, contact cont	comp. Comp. d by		Length	-	_	Coller Dip
Property VINZ Commenced Completed Co-ordinates Objective Feetings From Te 768.9 - 771.0	Description  Wacke Intertedded quartzitic wacke wacke beds, Some Quartz Wacke; thi distinct-undulatideveloped.  Mainly Wacke, Mining part, slump st	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wac wacke beds contain thi ick bedded, medium grain ing, generally weakly se nor Interbedded Quartzit tructured in part, conta	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  % Recov.  Lum to thin bedded, medium to fin the beds sharp-flat, fine paralle in interteds of calcareous wacks  med, thin light gray non-laminate ericitic with some small pink sub tic Wacke; medium to thin bedded.  mets, generally flat-sharp, rare	Hor. C  Veri. C  Looge Date  Date  Permined, contact  I lamination in  up to 10% calcium,  ad wacke tops, cont  bedral garnels  parallel laminate  thin interbed of	comp. Comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Feetings From Te 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Mining part, slump et calcareous wacke.	District Location Core Size  d Quartzitic Wacke; medi bed barely visable, wac wacke beds contain thi ick bedded, medium grain ing, generally weakly so nor Interbedded Quartzit tructured in part, conta	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Tune to thin bedded, medium to fin the beds sharp-flat, fine paralle in interteds of calcareous wacks and thin light gray non-laminate pricitic with some small pink sub tic Wacke; medium to thin bedded. acts, generally flat-sharp, rare inseminated fine xtln pyrrbotite.	Hor. C  Veri. C  Looge Date  Date  Permined, contact  I lamination in  up to 10% calcium,  ad wacke tops, cont  bedral garnels  parallel laminate  thin interbed of	comp. Comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Feetings From Te 768.9 - 771.0	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Mining part, slump et calcareous wacke.	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wac wacke beds contain thi ick bedded, medium grain ing, generally weakly se nor Interbedded Quartzit tructured in part, conta	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  Tune to thin bedded, medium to fin the beds sharp-flat, fine paralle in interteds of calcareous wacks and thin light gray non-laminate pricitic with some small pink sub tic Wacke; medium to thin bedded. acts, generally flat-sharp, rare inseminated fine xtln pyrrbotite.	Hor. C  Veri. C  Looge Date  Date  Permined, contact  I lamination in  up to 10% calcium,  ad wacke tops, cont  bedral garnels  parallel laminate  thin interbed of	comp. Comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Footage Footage Footage 768.9 - 771.0  771.0 - 772.8	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Mining part, slump at calcareous wacke, Very weakly disse	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wac wacke beds contain this ick bedded, medium grain ing, generally weakly se mor Interbedded Quartzit tructured in part, conta , relatively abundant dis eminated sphalerite at 7	Hole No. V-83-1-E Tests at Corr. Dip True Brg. % Recov.  The beds sharp-flat, fine paralle in interteds of calcareous wacks and thin light gray non-laminate ericitic with some small pink subted wacks; medium to thin bedded, acts, generally flat-sharp, rare isseminated fine xtln pyrrhotite 174.8 (4 cm 200e).	Hor. Covert. C	comp. Comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Footage Footage Footage 768.9 - 771.0  771.0 - 772.8	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Min in part, slump st calcareous wacke, Very weakly disserved.	District Location Core Size  d Quartzitic Wacke; medi bed barely visable, wac e wacke beds contain thi ick bedded, medium grain ing, generally weakly se nor Interbedded Quartzit tructured in part, conta , relatively abundant di eminated sphalerite at 7 ick bedded, medium grain ick bedded, medium grain ick bedded, medium grain	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  % Recov.  The beds sharp-flat, fine paralle in interbeds of calcareous wacke aricitic with some small pink subsets, generally flat-sharp, rare inseminated fine xtln pyrrhotite (74.8 (4 cm zone)).	Hor. Covert. C	comp. Comp. d by		Length	-	_	Collar Dip
Property VIN2 Commenced Completed Co-ordinates Objective Footage From 16 768.9 - 771.0 - 772.8 - 776.0 - 779.6	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Min in part, slump at calcareous wacke, Very weakly disserved wacke; this contacts distinct	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wace wacke beds contain thi ick bedded, medium grain ing, generally weakly se mor Interbedded Quartzit tructured in part, conta , relatively abundant di eminated sphalerite at 7 ick bedded, medium grain t-undulating generally w	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  % Recov.  The beds sharp-flat, fine paralle in interbeds of calcareous wacke aricitic with some small pink substict Wacke; medium to thin bedded, acts, generally flat-sharp, rare inseminated fine xtln pyrrhotite (774.8 (4 cm 200e).	Hor. Covert. C	omp. comp. d by		Length	-	_	Collar Dip
Property VIN2 Commenced Completed Co-ordinates Objective Footage From 16 768.9 - 771.0 - 772.8 - 776.0 - 779.6	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; thi distinct-undulati developed.  Mainly Wacke, Min in part, slump st calcareous wacke, Very weakly disserved wacke; the contacts distinct wacke.	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wace wacke beds contain this ick bedded, medium grain ing, generally weakly se mor Interbedded Quartzit tructured in part, conta , relatively abundant di minated sphalerite at 7 ick bedded, medium grain t-undulating generally we erbedded Quartzitic Kack	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  W. Recov.  True beds sharp-flat, fine paralle in interbeds of calcareous wacks  med, thin light gray non-laminate ericitic with some small pink sub  tic Wacke; medium to thin bedded, acts, generally flat-sharp, rare lesseminated fine xtln pyrrhotite  774.8 (4 cm zone).  med, 1 to 3 cm thick non-laminate weakly sericitic through-out.	Hor. C  Vent. C  Logger  Date  Date  Date  permined, contact  llamination in  up to 10% calcium.  Mi wacke tops, cont  bedral garnets  parallel laminate  thin interbed of  in wacke beds.	omp. comp. d by		Length	-	_	Coller Dip
Property VIN2 Commenced Completed Co-ordinates Objective Footage From 16 768.9 - 771.0 - 772.8 - 776.0 - 779.6	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; thi distinct-undulati developed.  Mainly Wacke, Min in part, slump st calcareous wacke, Very weakly disserved wacke; the contacts distinct wacke.	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wace wacke beds contain this ick bedded, medium grain ing, generally weakly se mor Interbedded Quartzit tructured in part, conta , relatively abundant di minated sphalerite at 7 ick bedded, medium grain t-undulating generally we erbedded Quartzitic Kack	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  % Recov.  The beds sharp-flat, fine paralle in interbeds of calcareous wacke aricitic with some small pink subsets, generally flat-sharp, rare inseminated fine xtln pyrrhotite (74.8 (4 cm zone)).	Hor. C  Vent. C  Logger  Date  Date  Date  permined, contact  llamination in  up to 10% calcium.  Mi wacke tops, cont  bedral garnets  parallel laminate  thin interbed of  in wacke beds.	omp. comp. d by		Length	-	_	Coller Dip
Property VIN2 Commenced Completed Co-ordinates Objective Footage From 16 768.9 - 771.0 - 772.8 - 776.0 - 779.6	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Minimal of the calcareous wacke, Very weakly disserved distinct wacke, Minor Intercontacts barely to the contacts barely t	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wace wacke beds contain this ick bedded, medium grain ing, generally weakly se mor Interbedded Quartzit tructured in part, conta , relatively abundant di minated sphalerite at 7 ick bedded, medium grain t-undulating generally we erbedded Quartzitic Kack	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  W. Recov.  True beds sharp-flat, fine paralle in interbeds of calcareous wacks  med, thin light gray non-laminate ericitic with some small pink sub  tic Wacke; medium to thin bedded, acts, generally flat-sharp, rare lesseminated fine xtln pyrrhotite  774.8 (4 cm zone).  med, 1 to 3 cm thick non-laminate weakly sericitic through-out.	Hor. C  Vent. C  Logger  Date  Date  Date  permined, contact  llamination in  up to 10% calcium.  Mi wacke tops, cont  bedral garnets  parallel laminate  thin interbed of  in wacke beds.	omp. comp. d by		Length	-	_	Collar Dip
Property VINZ Commenced Completed Co-ordinates Objective Foom 16 768.9 - 771.0  771.0 - 772.8  772.8 - 776.0	Description  Wacke Interbedded quartzitic wacke wacke beds. Some Quartz Wacke; this distinct-undulating developed.  Mainly Wacke, Min in part, slump stackareous wacke, Very weakly disserved wacke; this contacts distinct contacts barely approportite and property of the contacts barely approportite and property was a property of the contacts barely approportite and property of the contacts barely appropriate and property of the contacts and property of th	District Location Core Size  d Quartzitic Wacke; medit bed barely visable, wace wacke beds contain this ick bedded, medium grain ing, generally weakly see nor Interbedded Quartzit tructured in part, conta, relatively abundant diseminated sphalerite at 7 ick bedded, medium grain t-undulating generally we erbedded Quartzitic Kack visable, wisspy laminated yrite through-out.	Hole No. V-83-1-E  Tests at  Corr. Dip  True Brg.  W. Recov.  True beds sharp-flat, fine paralle in interbeds of calcareous wacks  med, thin light gray non-laminate ericitic with some small pink sub  tic Wacke; medium to thin bedded, acts, generally flat-sharp, rare lesseminated fine xtln pyrrhotite  774.8 (4 cm zone).  med, 1 to 3 cm thick non-laminate weakly sericitic through-out.	Hor. C  Ven. C  Logge Date  Date  e grained, contact c	omp. Comp. d by		Length	-	_	Collar Dip

Property VINE Commenced	District Location	Hole No. V-83-1-E Tests at	Hor. Comp.						
Completed	Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates		True Brg.	Logged by	21 - 1		1		8	
Objective		% Recov.	Date	-1.0.1		aj.	9.0	Collar Dip	
occage Description				Sample No.	Length	0	alysis		=
rom To			Indestad	Ho.	+	+	+	+	+
		ine grained, 3 to 5 cm light gray . Weakly sericitic and chloritic			1	+	+	+	1
WACKE TO	A, contacts distinct-thousands	Weakly Bericitie and Gilloriti	2 In patties.					1	1
783 8 - 784.3 Breccia 2	Zone: wacke clasts in gouge matr	ix, shearing @ 25° to core - faul	lt?						J
100.0									4
		edded, fine grained, 2 to 6 on th		-	-	-	+	+	4
		undulating, weakly sericitic thro	ough-out section.		-	+	+	+	4
789.5 - 7	790,5 Winor brecciation, dolumit	te-calcite matrix.			+	+	+	+	-
200 6 - 201 5 Vucket ti	to year thin bedded, fine to	very fine grained, very finely p	parallel laminated						1
	contacts sharp-flat rare thin in		MARILLA STREET						
In perci	contacts boarp rans and a	Refrection of Contraction							
		dium grained, 2 to 4 cm non-lamin			-	-	1	1	_
		generally sericitic through-out.		-	+	+	+	+	
THE S CHAPTER S	- Waste Toronbudded Wacke: fire	e to very fine grained, contacts	undulating-distinct.			士			
	d mainly wavy laminated, some fin		TE POLICE TO THE					1	Ĺ
					1	1	+	1	_
		ined to partly xtlm, dark gray wi	ith whitish gray	1	-	1	+	+	-
specks, v	very fine faint parallel laminati	cos.		+	+	+	+	+	-
				+	-	+	1	+	
						1000			
						_	-	-	
Drill Hole Record			••			1	1	1	

	INE	District	Hole No. V-83-1-E						
Commenced		Location	Tests at	Hor, Comp.			1		
Completed		Core Size	Corr. Dip	Vert, Comp.					
Co-ordinates			True Brg.	Logged by			1	1,	å
Objective			% Recov.	Date			E	Brg	) III
Footage From To	Description				Sample	Langer	10	200	19
797.8 - 799.2	Quartzitic Wacke	Interhedded Wacket mediu	m to thin bedded, medium to very fin	as emilent contents			+		
751,0	sharp-flat.	Interpretation value, measure	a to thin bedder, needed to lety and	ne granesi, Danama				$\vdash$	
	Many rant.								
799.2 - 801.3	Vein; consisting	of 90% white to bluish g	ray xtln quartz, hosts patches of xt	tln chlorite.					
			dely scattered patches of dolomite, p						
			e. Hanging wall contact sharp and 6	The state of the s					
						-	$\vdash$	$\vdash$	-
801.3 - 802.5	Quartz Wacke; thi	ck bedded, medium grainer	d, contacts barely visable, general)	ly sericitic.				F	
	chloritic and pin	k subhedral garnet develo	oped along thin quartz filled fracty	ares.	+-	+	-	$\vdash$	-
802.5 - 804.5	Wacke, Interbedde	ed Quartzitic Wacke; thin	to very thin bedded, contacts disti	inct-undulating.					
	fine to very fine	grained.		N. 1947. 1			-		
804.5 - 812.2	-		, medium to coarse grained, contacts	CONTRACTOR OF THE PROPERTY OF					
			dark gray non laminated wacke tops g	renerally	-	+-		-	-
	sericitic with ra	re subhodral pink garnets	s, chlorite along thin fractures.						
812.2 - 816.5			um to thin bedded, fine to very fine		1				-
			wispy laminated, rare parallel lami	TERRITOR WILLIAM TO THE TOTAL	+	-		$\vdash$	+
	chloritization and	The state of the s	arnet along irregular hairline fract	ures, Some	-	+			-

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Property Commenced	e Record	District	Hole No. V-83-1-E	Comingo Pag	e 19					
Completed		Location	Tests at	Hor, Comp.						
Co-ordinates		Core Size	Corr. Dip	Vert. Comp.					Ы	
Objective			True Brg.	Logged by					Oip	
Colection			% Recov.	Dete			E	949	offer	
Footage	Description				L	-	ō		8	
918 5 010					Sample No.	Langu	-	dysis		1
010.5 - 818	.1 Calcareous Wac	ke; thin to medium bedded, :	reddish gray speckled silver gray	, very fine grained						
	to partly xtin	very finely parallel lamin	sated, contacts sharp-flat, silic	ified in part some						J
	pyrrhotite.	ant line reddish biotite ar	d calcium carbonate, widely scat	tered fine disseminated	-	-	-			Į
	Dyranotate.				-	-				
818.1 - 822	9 Wacke Interhed	Mod Ourrettle Weeker this		DET THE CONTRACT OF THE CONTRA	-	-	-	-		ļ
	fine grained, o	ontacts distinct-undulating	to very thin bedded, rare medium , wacke beds wavy laminated and	bed, fine to very	-	+	-	-	-	I
	laminated.	woman's a	way Indinated and	an part parallel	10.	-	-	-	-	ļ
						+	-			ļ
822.9 - 825.	O Quartz Wacke; m	edium to thick bedded, no w	acke tops, contacts barely visabl	le concrelly weakly	1	_	-			ĺ
Samuel Service	sericitic and c	hloritic with widely scatter	red subhedral pink garnet.	CA BUILDINGS HOUSE		1		$\vdash$		ĺ
						1	$\vdash$			ĺ
825.0 - 827.	6 Quartzitic Wack	e, Interbedded Wacke; medium	n to thin bedded, fine to very fi	ne grained,						
	contacts distin	ct-undulating, wacke beds m	ainly wavy laminated, rare parall	el lamination,						
	thin zones of w	eakly disseminated pyrrhotis	te.							
927 A 920					_	1				
827.6 - 830.	5 Austr Wacke; m	edium to thick bedded, 2 to	10 cm thick wavy to non-laminate	d wacke bed tops.	_	-	_			,
		or thin silicified fractures	ructured. Weakly sericitic, chlo	rite and subbedral	-	-	-		-	
	Print garner arcs	ag thin bilicitied iractures			-	-		$\vdash$	$\dashv$	
830.5 - 831.	6 Wacke, Interbede	led Quartzitic Wacke; medium	to thin bedded, fine to very fi	ne grained, contacts						
	undulating disti	inct. Bedding to core 880,								
Drill Hole			WW 100 100 100 100 100 100 100 100 100 1	Cominco Page	20			1	1	
	INE	District	Hole No. V-83-1-E	W A						
Commenced		Location	Testa at	Vert. Comp.		- 57.5				
Completed		Core Size	Corr. Dip	Logged by				1	9	
Co-ordinates			True Brg.	Date Cogged by			ε	ė		
Objective			% Recov.	Delle			9	- Brg	3	į
Footage	Description				Sample No.	Length	Analy	sis .	-	
rom To					100.			+	+	
831.6 - 836			wartzitic Wacke; medium to thick					1	1	
			tinct. Quartz wackes generally							
			ns abundant chlorite, coarsely x	VAIL DIRECT DIVILIE				1		
	minor pyrite an	nd rare xtls of ilmenite								
836.0 - 839	S Comments to Manh	ke. Interbedded Wacke: media	m to thin bedded, fine to very f	ine grained, contacts						
830.0 = 839										,
	distinct-undul	ating to Hat.								

Property VINE		Hole No. V-83-1-E						1		
Commenced	Location	Tests at	Hor. Comp.	_		-			1	ш
Completed	Core Size	Corr. Dip	Vert. Comp.		_	1	1	0		ш
o-ordinates		True Brg.	Logged by		_	1.	1	90	27.3	ength
Objective		% Recov.	Date	_		E S	9.0	100	ž	Due.
	Description			Sample No.	Length	Ana	lysis	10	- Paris	-
rom To				No.	10000	-	-	-	-	
831.6 - 836.0	Quartz Wacke Interbedded Minor Wacke and			+-	-	+	+	1	$\vdash$	$\vdash$
	very fine grained, contacts undulating of	iistinct. Quartz wackes general)	y weakly sericitic.	-	-	+	+	+	+	$\vdash$
	832.0 - 832.6 Quartz-calcite vein, cont	ains abundant chlorite, coarsely	xtln black biotite	+	-	+	+	+-	$\vdash$	$\vdash$
	minor pyrite and rare xtls of ilmenite									
836.0 - 839.8	Quartzitic Wacke, Interbedded Wacke; me	dium to thin bedded, fine to very	fine grained, contacts	-	-	+	1	1	-	$\vdash$
	distinct-undulating to flat.									
839.8 - 840.0	Calcureous Quartz Arenite; medium bedde	d, coarse grained, graded-upwards	cross-bedded at top.	-	-	+	+	+	+	-
	contacts indistinct. 10% calcium carbo	nate in matrix.			+	+	1			
840.0 - 840.6	Wacke; thin to very thin bedded, very f	ine grained, fine to very fine pa	urallel laminated.	-	-	F	H	1		-
	alternating bands of reddish brown, red	dish grey and reddish light gray.	Contacts flat-sharp.	+	+	+	+	+	+	
	Widely scattered specks of pyrrhotite -	through-out @ 840.3, 4 cm zone o	contain weakly	+	+	+	+	+	+	1
	disseminated sphalerite and pyrrhotite.					1	1	$\pm$		
840.6 - 841.0	Calcareous Quartz Arenite; medium bedde	d, coarse grained, consisting of	50% of the quartz	-	-	+	+	+	+	+
	grainsare blue quartz, matrix consists	of black biotite and calcium cart	conste, graded bed		-	+	1	+	+	1
n	fining upwards, contacts are flat-sharp					1	1	I		F
841.0 - 844.2	Wacke; medium to thin bedded, fine to v	ery fine grained, contacts flat-	sharp, finely parallel		-	+	+	+	+	+
	laminated, finely disseminated pyrrhoti	te through-out, some thin zones t	ip to 33 765.	-	-		_	_	-	mies

Commenced  Core Size  Corr. Dip  Vert. Comp. Completed  Core Size  Corr. Dip  Vert. Comp. Congletive  N. Racov.  Date  Sample Legged by  S	Property V	INE	District	Hole No. Y-83-1-E	**						
Complainted  Core Site  Corr. Dip  Vert. Comp. True Brg. Logged by  St. Recov.  Date  Dominon  Page 22  Dominon  Page 22  Dominon  Page 22  Dominon	Commenced				Hor, Comp.						
Co-cordinates  True Big. Logged by  S. Recov. Date  Security  Description  Analysis  Mainly Calcaraccus Wacke, Minor Interbedge of Quartz Wacke; stacks bedge are thin to very thin bedded, very fine grained, very finely parallel laminated, contact filet-sharp, finely  disseminated pyrrhotite through-out, 2 to 4 on mones may contain up to 3% FaS. The quartz  B 840.7 sucke bed is 40 on thick, coarse grained, grade fining upwards, contain 10% blue  quartz graine, martix miniply blotite and rain carbonate.  M5.6 - 847.5 Nacke; modium to thin bedded, fine to very fine grained, very finely parallel laminated, contacts  flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 on mones up to 3% FaS.  Calcaraccus Wacke; 846.6 - 846.9 Bedding to core 84 d 847.2 - 6 on mone contain, very weakly  disseminated ophalerite.  M7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  M7.5 - 848.6 Quartz Wacke; wery thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  M8.6 - 851.3 Quartzito Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distrinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 yery finely  parallel laminated wacke, with fine disseminated pyrrhotite 1% FaS.  Drill Hole Record  Drill Hole Record  Drill Hole Record  Drill Hole Record  Dompolery VNE  District  No Bedding to thin bedded, medium grained, no wacke tong, contacts - barely  Visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Drill Hole Record  Description  True Big.  Logged by  Description  Santa Record  Description  Santa Re	Completed		Core Size					1			-
Description	Co-ordinates			True Brg.						9	
Description	Objective				267			Ę	g.	à	ı
No.   15   16   16   16   16   16   16   16		lai.ii				-	_	ō	-	18	_
bedded, very fine grained, very finely parallel laminated, contact flat-sharp, finely disseminated pyrrhotite thirough-out, 2 to 4 on zones may contain up to 3% FaS. The quartz  8 80.7 wacks bed is 40 on thick, coarse grained, grade fining upwards, contain 10% blue quartz grains, matrix sainly blottle and xtln carbonate.  945.6 - 847.5 Vacks; medium to thin bedded, fine to very fine grained, very finely parallel laminated, contacts flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 on zones up to 3% FeS.  Calcarcous Vacks; 86.6 - 846.9 Bedding to core 84° 6 847.2 - 6 on zone contain, very weakly disseminated sphalerite.  947.5 - 848.6 Quartz Vacks; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  948.6 - 851.3 Quartztite Vacks Interteedded Vacks; medium to thin bedded, medium to very fine grained. Ocotacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacks, with fine disseminated pyrrhotite (1% FaS).  181.3 - 853.0 Quartz Vacks; thick to very thick bedded, medium grained, no wacks tone, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Drill Wacks; District  No Recov.  Date  Sample laminated wacks, Interbedded Wacks; medium to thin bedded, medium to fine grained, contacts  Sample laminated wacks, Interbedded Wacks; medium to thin bedded, medium to fine grained, contacts		Description				No.	Length	Ana	7913		
disseminated pyrrhotite through-out, 2 to 4 on zones may contain up to 3K FeS. The quartz  6 840.7 wacks bed is 40 on thick, coarse grained, grade fining upwards, contain 10% blue quartz grains, matrix mainly blotite and xtln carbonate.  945.6 - 847.5 Vacks; medium to thin bedded, fine to very fine grained, very finely parallel imminated, contacts flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 on zones up to 3K FeS.  Calcarcous Vacks; 846.6 - 846.9 Bedding to core 84° 6 847.2 - 6 on zone contain, very weakly disseminated sphalerite.  947.5 - 848.6 Quartz Vacks; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  948.6 - 851.3 Quartzitic Wacks Interbedded Wacks; medium to thin bedded, medium to very fine grained. Contacts distinct to barely visable, flat-sharp to undalating, 850.8 - 851.3 very finely parallel laminated wacks, with fine disseminated pyrrhotite -1% FeS.  181.3 - 853.0 Quartz Vacks; thick to very thick bedded, medium grained, no wacks tops, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  District  True Eng.  Logsed by.  Sample law, Logsed by.  Analyzis excess  Contacts  Contacts  Observation Wacks, Interbedded Wacks; medium to thin bedded, medium to fine grained, contacts	844.2 - 845.6	Mainly Calcare	eous Wacke, Minor Interbeds	of Quartz Wacke: wacke beds are thi	in to very thin						
### B40.7 wacke bed is 40 on thick, coarse grained, grade fining upwards, contain 10% blue  quartz grains, matrix mainly biotite and xtln carbonate.  ###################################											
quartz grains, matrix mainly biotite and xiln carbonate.  ### Macke; medium to thin bedded, fine to very fine grained, very finely parallel laminated, contacts  #### Filat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 on zones up to 3% FeS.  Calcareous Wacke; 846.6 - 846.9 Bedding to core 84° 847.2 - 6 on zone contain, very weakly disseminated sphalerite.  ###################################		disseminated ;	pyrrhotite through-out, 2 to	0 4 on zones may contain up to 3% Fe	aS. The quartz		1	1	$\perp$		
MS.6 - 847.5 Wacke; medium to thin bedded, fine to very fine grained, very finely parallel laminated, contacts  flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 cm zones up to 35 FeS.  Calcareous Wacke; \$86.6 - 846.9 Bedding to core \$4^0 Cm 847.2 - 6 cm zone contain, very weakly  disseminated sphalerite.  M7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in putches.  General Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite 415 FeS.  MS.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tone, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Commenced  Completed  Core Size  Corr. Dip  Vert. Comp.  Coordinates  True Brg.  Legged by  Coordinates  Description  Sangie  Legged by  Completive  Description  Sangie  Legged Description  Sangie  Legged Description  Sangie  Legged Sangie  Legge		@ 840.7 wacke	bed is 40 cm thick, coarse	grained, grade fining upwards, cont	ain 10% blue		1	_	_	_	
flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 cm zones up to 3% FeS.  Calcarcous Wacke; 846.6 - 846.9 Bedding to core 84° C 847.2 - 6 cm zone contain, very weakly disseminated grhalerite.  W7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  W8.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.  W18.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tone, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Commenced  Location  Tests at Hor. Comp.  Commenced  Location  Tests at Hor. Comp.  Commenced  Commenced  Commenced  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  N. Recov.  Date  Corrollates  St. Recov.  Date  Commenced  Campie Leagen  Analyzia		quartz grains	, matrix mainly biotite and	xtln carbonate.		-	+	+	-	-	
flat-sharp, disseminated fine pyrrhotite through-out, some 2 to 4 cm zones up to 3% FeS.  Calcarcous Wacke; 846.6 - 846.9 Bedding to core 84° C 847.2 - 6 cm zone contain, very weakly disseminated grhalerite.  W7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  W8.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.  W18.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tone, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Commenced  Location  Tests at Hor. Comp.  Commenced  Location  Tests at Hor. Comp.  Commenced  Commenced  Commenced  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  N. Recov.  Date  Corrollates  St. Recov.  Date  Commenced  Campie Leagen  Analyzia		and the same of			202002000	-	+	+	-	-	
Calcareous Wacke; 846.6 - 846.9 Bedding to core 84° © 847.2 - 6 on zone contain, very weakly disseminated sphalerite.  M7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patchess.  M8.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained. Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.  M81.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Drill Hole Record  Drill Hole Record  Commenced  Location  Tests at Hor. Comp. Completed  Completed  Core Size  Corr. Dip  Vert. Comp. Completed  Completed  No Recov.  Date  Sample Leagen  Analysis Rem 1  Sample Leagen  Sample Sample Sample Sample Complexed  Sample Sample Sample Sample Sample Sample Complexed  Sample Sampl	845.6 - 847.5				and the second of the second of the second of the second	LS .	-	+	-	-	
disseminated sphalerite.  W7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patches.  W8.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite 415 FeS.  W1.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Commenced  Commenced  Commenced  Commenced  Core Size  Corr. Dip  Vert. Comp.  Coordinates  True Brg.  Legaed by  N. Recov.  Date  Sample  Samp								+			,
M7.5 - 848.6 Quartz Wacke; very thick bedded, medium grained, contacts barely visable, sericitic and chloritic in patchess.  M8.6 - 851.3 Quartzitic Wacke Intertedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely parallel laminated wacke, with fine disseminated pyrrhotite <15 FeS.  M51.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely visable, generally sericitic and very weakly chloritic.  Drill Hole Record  District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Completed Core Size Size Corr. Dip Vert. Comp.  True Brg. Logged by District Nacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts			71-17-17-1	to core 84 9 847,2 - 6 cm zone oc	ntain, very weakly			-	-		
chloritic in patches.  S48.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely  parallel laminated wacke, with fine disseminated pyrrhotite (15 FeS.)  S51.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely  visable, generally sericitic and very weakly chloritic.  Drill Hole Record  District  Hole No. V-83-1-E  Commenced  Location  Tests at Hor. Comp.  Coordinates  True Brg.  Logged By  Coordinates  True Brg.  Logged By  Objective  N. Recov.  Date  Sample Langer  Analyzis  Resos.  Analyzis  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Analyzis  Resos.  Analyzi	-	disseminated s	sphalerite.			+	1	-			
chloritic in patches.  S48.6 - 851.3 Quartzitic Wacke Interbedded Wacke; medium to thin bedded, medium to very fine grained.  Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 851.3 very finely  parallel laminated wacke, with fine disseminated pyrrhotite (15 FeS.)  S51.3 - 853.0 Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely  visable, generally sericitic and very weakly chloritic.  Drill Hole Record  District  Hole No. V-83-1-E  Commenced  Location  Tests at Hor. Comp.  Coordinates  True Brg.  Logged By  Coordinates  True Brg.  Logged By  Objective  N. Recov.  Date  Sample Langer  Analyzis  Resos.  Analyzis  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Description  Resos.  Analyzis  Resos.  Analyzi	947 5 949 5	Ownter Works	some think hadded modies of	regised contacts berely wiseble as	artette and		+	1			
Drill Hole Record    Commince   C	017.5 - 048.6			granier, contacts carety visable, se	TINGLES MAN	1	1		-		
Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 85]. 3 yery finely  parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.		entoratic in )	ALCOHOL:					1			
Contacts distinct to barely visable, flat-sharp to undulating, 850.8 - 85]. 3 yery finely  parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.	848.6 - 851.3	Quartzitic Was	ske Interbedded Wacke; medit	m to thin bedded, medium to very fi	ine grained.						
parallel laminated wacke, with fine disseminated pyrrhotite <1% FeS.    151.3 - 853.0   Quartz Wacke; thick to very thick bedded, medium grained, no wacke tops, contacts - barely visable, generally sericitic and very weakly chloritic.    Drill Hole Record   Comminso Page 22											
Visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinates True Brg. Logged by  District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Name No. Name Langer Analysis  Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Name No. Name No. Name No.		parallel lamin	nated wacke, with fine disse	eminated pyrrhotite <1% FeS.		P.				_	
Visable, generally sericitic and very weakly chloritic.  Drill Hole Record  Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinates True Brg. Logged by  District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Name No. Name Langer Analysis  Tests at Hor. Comp.  Co-ordinates True Brg. Logged by  District Name No. Name No. Name No.						-	-	-	-		
Drill Hole Record  Property VINE District Mole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Coljective % Recov. Date  Sample Langer No. 1	851.3 - 853.0	and the same of th			tacts - barely	-	-	+	-	-	
Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Facility Codes Completed Comp.  Sample Langua No. V-83-1-E  Objective Second Corr. Dip Vert. Comp.  Codes Size Corr. Dip Vert. C		visable, gener	rally sericitic and very wes	kly chloritic.		-	-	+	-	-	,
Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Facility Courses Consider the Comp.  Sample Language Contacts  Analysis  Analysis  Analysis  SS3.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts						_	-	+	-	-	
Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Facility Courses Consider the Comp.  Sample Language Contacts  Analysis  Analysis  Analysis  SS3.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts					Walland - Wa			•			
Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Facility Courses Consider the Comp.  Sample Language Contacts  Analysis  Analysis  Analysis  SS3.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts		-			_	-	17 110000	_	SERVICE SERVICE	-	
Property VINE District Hole No. V-83-1-E  Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Facility Courses Consider the Comp.  Sample Language Contacts  Analysis  Analysis  Analysis  SS3.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts	L	25			**			1	1	1	
Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Couloge Test Tests at Hor. Comp.  Conpleted Core Size Corr. Dip Vert. Comp.  Coordinales True Brg. Logged by  Color Size Corr. Dip Vert. Comp.  Color Size Corr. Dip Vert.	Drill Hole H	Record	Xi		Cominco P	ige 22		1			
Commenced Location Tests at Hor. Comp.  Completed Core Size Corr. Dip Vert. Comp.  Co-ordinales True Brg. Logged by  Objective % Recov. Date  Couloge Test Tests at Hor. Comp.  Conpleted Core Size Corr. Dip Vert. Comp.  Coordinales True Brg. Logged by  Color Size Corr. Dip Vert. Comp.  Color Size Corr. Dip Vert.	When		2072	V-83-1-F	**						
Completed Core Size Corr. Dip Vert. Comp.  Co-ordinates True Brg. Logged by  Objective % Recov. Date  Sample No. 1e  Footage row Te  853.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts	riepeny	-			Has Come			1			
Co-ordinates  True Brg. Logged by  Description  Footings  Description  Town 1s  Stample  Ho.  Co-ordinates  True Brg. Logged by  Date  E 2 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	TO THE STATE OF TH			The state of the s	A Strategic Control			1			
Objective % Recov. Date    Coolege   Description   Sample   Langua   Analysis	C Painting of the last		Core Size	The second secon	-			1	1	8	
Coolage Description Sample Langue Analysis From Te 853.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts	Section 1						11/10	E	ė	1	
No.	Objective			A Heart.				5	=	8	
853.0 - 859.0 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts		Description				Sample No.	Length	Ana	yels	_	•
		Quartritte Was	cke Interbedded Wacke: med	ium to thin bedded, medium to fine a	grained, contacts						
	0.0.0 = 0.0.0			and the second second of the second							
.0 - 859.7 Quartzitic Wacke; thick bedded, soft sed. slump textured.	.0 - 859.7								-	4-	_

Property VINE	District	Hole No. 1-03-1-2				1		1			15
Commenced	Location	Tests at	Hor, Comp.			4			1		1
Completed	Core Size	Corr. Dip	Vert. Comp.			1	6			1	
Co-ordinates		True Brg.	Logged by			1		å		-	9
Objective		% Recov.	Date			E	ė,	ig i	É	100	tole No.
				Terrore.	T	0	alysis.	10	i iii	12	Î
Footage From Te	Description			Sample No.	Length	F	1	F	T	I	I
853.0 - 859.0	Quartzitic Wacke, Interbedded Wacke; medi	um to thin bedded, medium to fine	grained, contacts			1	$\perp$	-	1	1	+
	distinct-undulating.				_	$\perp$	-	+	+	1	+
		The state of the s		_	_	1	-	1	+	1	+
859.0 - 859.7	Quartzitic Wacke; thick bedded, soft sed.	slump textured.			_	1	+	1	1	1	4
				-	-	+	-	-	+	+	+
859.7 - 862.4	Quartzitic Wacke; medium bedded, 2 to 5 c	m non-laminated wacke bed tops, m	nedium to fine	-	-	+	+	+	+	+	+
	grained, contacts distinct-undulating wes	kly chloritic and sericitic with	minor development	-	+	+	-	+	+	-	+
	of pink subhedral garnet.			+	+	+	+	+	+	+	+
862.4 - 863.4	Quartzitic Wacke, Interbedded Wacke; medi	um to thin bedded, medium to fine	grained, contacts	1		F	T	F	F	F	1
	indistinct-undulating.			-		+	+	1	+	+	+
863.4 - 863.8	Calcareous Wacke; medium bedded, very fir	se grained to partly xtln, very fi	ine parallel			1	1	$\perp$	T	#	1
	laminated,				-	+	+	+	+	+	+
863.8 - 866.2	Quartzitic Wacke, Interbedded Wacke; medi	un bedded, medium to fine grained	1, contact			T	T	丰	#	F	1
	undulating-distinct.				-	+	+	+	+	+	+
866.2 - 868.8	Quartz Wacke; medium bedded, medium to ox	carse grained, 2 to 6 cm wacke bed	d tops, wavy			1	T	$\perp$	#	1	Ŧ
	laminuted, flame structured bed bases, we	takly sericitic, chloritic along h	mirline fractures.		+-	+	+	+	+	+	+
						土	1		土		İ

-	Record Cominco Pa	ge 23		1	1		
Property VI	E District Hole No. V-83-1-E						
Commenced	Location Tests at Hor. Comp.				1		
Completed	Core Size Corr. Dip Vert. Comp.						
Co-ordinates	True Brg. Logged by					g G	
Objective	% Recov. Date			Ē	Brp	Collar Dip	H
Footage From To	Description	Sample	Langth	Ana	l- stysis		
868.8 - 870.4	Wacke; medium bedded, fine grained, contacts flat sharp, very finely parallel laminated, weakly	No.	-	F	F	F	7
-	disseminated fine pyrrhotite through-out. @ 891.0 very thin irregular, quartz, chlorite,	-	-	+	+	+	4
	calcite veins contain rare specks of sphalerite.	1	1	+	+	+	1
			+	1	+	+	1
870.4 - 876.2	Quartzitic Wacke; medium to very thick bedded, generally medium grained, contacts barely					T	1
	visable, weakly sericitic, with chlorite and subhedral pink garnets in patches.						I
							I
876.2 - 880.1	Quartzitic Wacks, Interbedded Wacks, medium to very fine grained, contacts undulating-distinct,		_	_	1	_	1
	some rip-up clast along bedding planes, wacke beds a wavy to wispy laminated. Chlorite and	-	1	-	-	-	1
	pink garnet along thin irregular fracture.	100	-	-	-	-	1
990 1 991 8		-	-	-	-	⊢	4
880,1 - 881.5	Quartz Wacke; medium to very thick bedded, medium grained, thin non-laminated wacke tops, contacts undulating-distinct, generally sericitic through-out, chlorite and pink garnets	-	-	-	-	-	+
	in patches.	-	-	1	-	-	+
			1	-	+	-	+
881.5 - 883.6	Quartzitic Wacke; Interbedded Wacke; thin to medium bedded, medium to very fine grained,						t
	contacts distinct-undulating wacke beds wavy to parallel laminated.						Ι
							I
883.6 - 889.0	Quartz Wacke; medium to thick bedded, medium to fine grained, thin non-laminated wacke tops,	-	-		-	-	ļ
						(	
	contacts wavy distinct, weakly sericitic through-out.	-	-		-	-	ł
	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite						ļ
12.00	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite						
	886.0 - 886.8 Quartz, calcite vein contains, massive xtlm chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.						-
Drill Hole F	886.0 - 886.8 Quartz, calcite vein contains, massive xtlm chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.	e 24			E		-
	886.0 - 886.8 Quartz, calcite vein contains, massive xtls chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page	e 24					-
Property VIN	886.0 - 886.8 Quartz, calcite vein contains, massive xtla chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page Comings Page Comings Page Comings Page Comings Page Comings Page Comings Page Comings Page	e 24					-
Property VIN	886.0 - 886.8 Quartz, calcite vein contains, massive xtls chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.	e 24					
Property VIN Commenced Completed	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.	e 24				9	
Property VINI Commenced Completed Co-ordinates	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  Core Size  Corr. Dip  Core Size  Corr. Dip  True Brg.  Logged by	e 24		6	ģ	er Dip	
Property VIN Commenced Completed	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.	e 24			T Brg.	Coller Dip	Elan
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  Core Size  Corr. Dip  Core Size  Corr. Dip  True Brg.  Logged by	e 24	Length	Elejo		Celler Dip	1
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date		Length			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtls chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  W. Recov. Date		Length			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  W. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts		Langth			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cord  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated		Length			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cord  Comings Page  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated		Length			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective Footage From Te B89.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cord  Committee  District  Location  Tests at Hor. Comp.  Core Size  Corr. Dip  Vert. Comp.  True Brg.  Logged by  Recov.  Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated beds are present, some thin zones of weakly disseminated pyrrhotite.		Length			Celler Dip	net i
Property VINC Commenced Completed Co-ordinates Objective Footage From Te B89.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comming Pag  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated beds are present, some thin zones of weakly disseminated pyrrhotite.  Quartzitic Wacke; thick bedded, medium grained, contacts barely visable, generally sericitic.		Length			Coller Dip	The state of the s
Property VINC Commenced Completed Co-ordinates Objective Footage From To 889.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cominos Page 1		Length			Coller Dip	The state of the s
Property VINC Commenced Completed Co-ordinates Objective Footage From Te B89.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xiln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cord  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by W. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated beds are present, some thin zones of weakly disseminated pyrrhotite.  Quartzitic Wacke; thick bedded, medium grained, contacts barely visable, generally sericitic, 897.0 - 897.6 Quartz vein 0 13° to core, contains patches of pyrrhotite and coarsely xtln.  Black biotite.	Sample No.	Length			Coller Dip	Tien.
Property VINC Commenced Completed Co-ordinates Objective Footage From To 889.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cominos Page 1	Sample No.	Length			Celler Dip	
Property VINC Commenced Completed Co-ordinates Objective Footage From Te B89.0 - 891.0 B91.0 - 892.4	886.0 - 886.8 Quartz, calcite vein contains, massive xtln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Comingo Page Cord Comingo Page Comingo Page Core Size Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by W. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated beds are present, some thin zones of weakly disseminated pyrrhotite.  Quartzitic Wacke; thick bedded, medium grained, contacts barely visable, generally sericitic, 897.0 - 897.6 Quartz vein © 13° to core, contains patches of pyrrhotite and coarsely xtln.  Black biotite.  Wacke; medium bedded, very fine grained, contacts flat-sharp, very finely parallel laminated, weakly sericitic, very weak finely disseminated pyrrhotite. 892.4 - 892.6 Calcareous wacke unit,	Sample No.	Length			Coller Dip	
Property VINC Commenced Completed Co-ordinates Objective Footage From To 889.0 - 891.0	886.0 - 886.8 Quartz, calcite vein contains, massive xiln chlorite and patches of pyrrhotite and minor chalcopyrite, rare ilmenite. Vein to core 15°.  Cord  District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by W. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, wacke beds are mainly wispy to wavy laminated, but some parallel laminated beds are present, some thin zones of weakly disseminated pyrrhotite.  Quartzitic Wacke; thick bedded, medium grained, contacts barely visable, generally sericitic, 897.0 - 897.6 Quartz vein 0 13° to core, contains patches of pyrrhotite and coarsely xtln.  Black biotite.	Sample No.	Length			Celler Dip	200

Quartz Wacke; medium to thick bedded, medium grained, contacts undulating-distinct; generally

contacts flat-sharp to undulating-sharp, some good flame structures on bed bases, some

sericitic with widely depressed subhedral pink garnet,

rip-up clasts, thin 2 on thick slump zones on bed top common

904.6 - 908.0 Quartzitic Wacks, Interbedded Wacks; medium to thin bedded, fine to very fine grained,

903.6 - 904.6

	Tests at Hor. Comp.	Location	Commenced
	Corr. Dip Vert. Comp.	Core Size	Completed
	True Brg. Logged by		Co-ordinates
E 6	% Recov. Date		Objective
- IV IF			
Sample Langer Analysis		Description	Footage From To
	contacts undulating-distinct. Weakly sericitic	Quartz Wacke: thick bedded, medium grains	908.0 - 909.3
	William Ministration of the second	with widely dispersed garnet,	20,0
	to thin bedded, fine to very fine grained,	Wacke, Interbedded Quartzitic Wacke; med	909.3 - 912.9
	flame structured bed bases, rare rip-up clasts,		
	ted, with widely scattered fine pyrrhotite.		
	clasts in calspar-dolspar matrix about 20 to core.		·
	m to fine grained, contacts distinct-undulating.	Ouartz Wacke; medium to thick bedded, me	912.9 - 920.0
	tization and widely depressed pink subhedral		512.5 - DEVIS
		garnets.	
	to thin bedded, medium to fine grained, contacts	Quartzitic Wacke, Interbedded Wacke; med	920.0 - 925.5
	avy to parallel laminated. Widely dispersed pink		VIXI.
		subhedral garnet and patchy chloritization	
	medium to coarse grained, all grade beds, fining	upwards, contacts flat-distinct.	925.5 - 926.2
		upwards, contacts that-methot.	

		District	Hole No. Y	-83-1-E				1		П	1
Commenced		Location	Tests at		Hor, Comp.			-		П	
Completed		Core Size	Corr. Dip		Vert. Comp.	-	_	-		0	
Co-ordinates			True Brg.		Lugged by	-	_	1_		di Di	
Objective			% Recov.	The Part Hard	Date	_	_	5	Bro	1	¥ 5
Footage	Description					Sample	Length	Anal	ysis	10 1	9 13
926.2 - 927.8	Quartettle Macket mov	tim hadded fine ore	ined, contacts flat-sh	am conomilie on	minteto	-	1	1		$\vdash$	1
550.2 - 527.0	qualitative mode, no	In beased, 1100 gra	ind, contacts 11at-80	ary generally se	WALLES.	+	+	+		$\vdash$	
927.8 - 930.7	Calcaroous Vacke, Mir	or Interbedded Wacke	medium to thin bedde	d, fine grained	and partly xtln.			1	_		1
			llel laminated, weakly								
	disseminated pyrrhoti	te, with rare very th	in pyrrhotite laminat	ion. Very spars	e specks of						
	sphalerite near chlor	itic hairline fractu	res. Sampled at 929.2	and 927.5, Thi	n pyrrhotite						
	are conductive (teste	d using multitester)	Bedding to 85°.				-	-			+
930.7 - 931.3	Calcareous Quartz Are	nite; thick bedded,	coarse grain (.5mm to	1.0 mm) contacts	flat-sharp						
	biotitic matrix, some	sericite, and very	minor pyrrhotite.			-	+	-	-		+
931.3 - 933.8	Wacke, Interbedded Qu	artzitic Wacke; thin	to very thin bedded,	fine to very fin	e grained,						$\Rightarrow$
	contacts flat to undu	lating, generally dis	stinct, wacke beds fair	ntly parallel la	minated.	-	-	-	-		-
933.8 - 935.0	A STATE OF THE PARTY OF THE PAR	AND THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUM	m to thin bedded, fin								
1	contacts undulating-d	istinct, chlorite a g	pink subbedral garner	ts along thin ha	irline	-	-	-			1
	fractures.										
935.0 - 936.1			main, contacts flat-sh	arp and base, ba	rely visable						7
	at top very weakly se	ricitic.				+	-	-	-		+

	ge 27						
			+				
	_		1		0		
	_		1-	1	0	1	
% Recov. Date			-	à	9	lev.	
Description	Sample	Langus		lysia	10	Im.	
	No.	1		$\vdash$	1	F	1
Quartzitic Wacke, Interbedded Wacke, fine to very fine grained, contacts generally flat-distinct	-	1	-	+	$\vdash$	$\vdash$	ļ
rare undulating, wacke beds thinly parallel laminated, some small circular patches of	-	-	-	+	-	-	ļ
silicification with chlorite and pink subhedral garnet.	-	-	-	+	-	-	ļ
	-	-	-	-	-	-	ł
	-	+	-	$\vdash$	+		ł
wacke tops, contacts barely visable. Weak widely disseminated pyrrhotite.	+	+	-	+	-	$\vdash$	t
	-	+	-	+	-	-	t
	1	1	-	-	1	-	t
	+	1	1	-	1	-	t
quartz, chlorite, pyrite and sphalerite (4 cm thick).	-	+	1	1	1		t
		1	-	+	-	-	t
		1	1	-			t
weakly sericitic through-out.	-	1	-	-	-	-	t
		1	-	$\vdash$	$\vdash$		t
		+		-		-	t
grained, whose line to very line grained, contacts distinct-modulating, whose beds labely	1			$\Box$			t
							T
V EX Mile PALE, BUSINESS BESSESS PILIPAGES							ľ
Quartz Wacks: medium to very thick bedded, medium to coarse grained, contacts distinct-undulating							Ĺ
2 to 5 cm light gray non-laminated wacke bed tops, generally sericitic through-out. Blue		1					L
quartz mand grains noted in some of the beds.							ı i
	-			_		- Allerin	
S District Hole No. V-83-3-E	uge 28						-
Lumined 24	uge 28						-
E District Hole No. V-83-1-E	uge 28						-
E District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by	uge 28				Dip		
E District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.	uge 28		lein.	Brg.	oller Dip		-
E District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date	1 September 28	Lacott	Claim	T Brg.	Collar Dip	Elen.	-
E District Hole No. V-83-1-E Location Tests at Hor. Comp. Core Size Corr. Dip Vert. Comp. True Brg. Logged by % Recov. Date  Description	Sample No.	Langth	S Claim		Collar Dip	Elev.	
District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts	Sample No.	Length	- Cleim		Collar Dip	Elev.	-
E District Hole No. V-83-1-E Location Tests at Hor. Comp. Core Size Corr. Dip Vert. Comp. True Brg. Logged by % Recov. Date  Description	Sample No.	Length	E-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S		Collar Dip	Elev.	
District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts	Sample	Length	E S		Coller Dip	Elev.	
District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 968.5 - 10 cm zone contains abundant small rip-up clasts.	Sample	Length	E S O Anal		Collar Dip	Elev.	
District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. © 968.5 - 10 cm zone contains abundant small rip-up clasts.  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts distinct-undulating,	Sample	Length	- Claim		Cellar Dip	Elev.	
District Hole No. V-B3-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 968.5 - 10 cm zone contains abundant small rip-up clasts.	Sample	Length	E a O		Coller Dip	Elex.	
District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 966.5 - 10 cm zone contains abundant small rip-up clasts.  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts distinct-undulating, some flame-structured bases 2 to 4 cm wavy laminated wacke bed tops. Bedding to 80°.	Sample No.	Length	E S		Collar Dip	Eler.	
District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 966.5 - 10 cm zone contains abundant small rip-up clasts.  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts distinct-undulating, some flame-structured bases 2 to 4 cm wavy laminated wacke bed tops. Bedding to 80°.  Quartzitic Wacke; medium to thin bedded, medium to fine grained, contacts distinct to barely	Sample No.	Length	E a D		Collar Dip	Elex.	
District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 966.5 - 10 cm zone contains abundant small rip-up clasts.  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts distinct-undulating, some flame-structured bases 2 to 4 cm wavy laminated wacke bed tops. Bedding to 80°.	Sample No.	Length	Ana)		Collar Dip	Eler.	
District Hole No. V-83-1-E  Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  % Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts mainly sharp-flat, wacke beds parallel laminated. 6 966.5 - 10 cm zone contains abundant small rip-up clasts.  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts distinct-undulating, some flame-structured bases 2 to 4 cm wavy laminated wacke bed tops. Bedding to 80°.  Quartzitic Wacke; medium to thin bedded, medium to fine grained, contacts distinct to barely	Sample No.	Length	E S O Anai		Collar Dip	Elea.	
	Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke, fine to very fine grained, contacts generally flat-distinct.  rare undulating, wacke beds thinly parallel laminated, some small circular patches of silicification with chlorite and pink subhedral garnet.  Quartzitic Wacke; medium to thick bedded, medium to fine grained. Wavy laminted black wacke tops, contacts barely visable. Weak widely disseminated pyrrhotite.  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained. contacts distinct-undulating. Wacke beds parallel laminated 9 04.4 hairline fractures contain quartz, chlorite, pyrite and sphalerite (4 on thick).  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts barely visable, weakly sericitic through-out.  Quartzitic Wacke Interbedded Wacke; medium to thin bedded. Quartz wackes medium to coarse grained, wacke fine to very fine grained, contacts distinct-undulating, wacke beds finely parallel laminated with rare thin (2 to 3 on) calcareous beds. Soft sedimentary shi pring 0 850 and 951.2 abundant assoc pyrrhotite.  Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating	Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date  Description  Sample No.  Quartzitic Wacke, Intertedded Wacke, fine to very fine grained, contacts generally flat-distinct rare undulating, wacke beds thinly parallel laminated, some small circular patches of silicification with chlorite and pink subhedral garnet.  Quartzitic Wacke; medium to thick bedded, medium to fine grained. Wavy laminted black wacke tops, contacts barely visable. Weak widely disseminated pyrrhotite.  Quartzitic Wacke, Intertedded Wacke; medium to thin bedded, medium to fine grained, contacts distinct-undulating, Wacke beds parallel laminated \$944.4 hairline fractures contain quartz, chlorite, pyrite and sphalerite (4 cm thick).  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts barely visable, weakly sericitic through-out.  Quartzitic Wacke Interbodded Wacke; medium to thin bedded, Quartz wackes medium to coarse grained, wacke fine to very fine grained, contacts distinct-undulating, wacke beds finely parallel laminated with rare thin (2 to 3 cm) calcareous beds. Soft seedimentary shi ping 0 800 and 951.2, shundant assoc, pyrrhotite.  Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, 0 600 and 951.2, shundant assoc, pyrrhotite.	Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date  Description  Quartzitic Wacke, Interbedded Wacke, fine to very fine grained, contacts generally flat-distinct rare undulating, wacke beds thinly parallel laminated, some small circular patches of silicification with chlorite and pink subhedral garnet.  Quartzitic Wacke; medium to thick bedded, medium to fine grained. Wavy laminted black wacke tops, contacts barely visable. Weak widely disseminated pyrrhotite.  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained. Contacts distinct-undulating. Wacke beds parallel laminated @ PH.4 hairling fractures contain quartz, chlorite, pyrite and sphalerite (4 on thick).  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts barely visable, weakly sericitic through-out.  Quartzitic Wacke Interbedded Wacke; medius to thin bedded, Quartz wackes medium to coarse grained, wacke fine to very fine grained, contacts distinct-undulating, wacke beds finely parallel laminated with rare thin (2 to 3 on) calcareous beds. Soft sedimentary sht ping @ 950 and 951.2, shundant assoc, pyrrhotite.  Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, Rucke en and provided wacke bed tops, generally sericitic through-out. Blue	Location Tests at Hor. Comp.  Core Size Corr. Olp Vert. Comp.  True Brg. Logged by  N. Recov. Oate  Sample No. Recov.  Description  Court State to very fine grained, contacts generally flat-distinct rare undulating, wacke beds thinly parallel laminated, some small circular patches of silicification with chlorite and pink subhedral garnet.  Quartzitic Wacke; medium to thick bedded, medium to fine grained. Wavy laminted black wacke tops, contacts barely visable. Weak widely disseminated pyrrhotite.  Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained. contacts distinct-undulating. Wacke beds parallel laminated 8 944.4 hairline fractures contain quartz, chlorite, pyrite and sphalerite (4 cm thick).  Quartz Wacke; medium to thick bedded, medium to coarse grained, contacts barely visable, weakly sericitic through-out.  Quartzitic Wacke Interbedded Wacke; medium to thin bedded. Quartz wackes medium to coarse grained wacke beds finely parallel laminated with rare thin (2 to 3 cm) calcareous beds. Soft sedimentary sht ping 0 850 and 851.2, shundant assoc, pyrrhotite.  Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, wacke beds finely parallel laminated with rare thin (2 to 3 cm) calcareous beds. Soft sedimentary sht ping 0 850 and 851.2, shundant assoc, pyrrhotite.  Quartz Wacke; medium to very thick bedded, medium to coarse grained, contacts distinct-undulating, 2 to 6 cm light gray non-laminated wacke bed tops, generally sericitic through-out. Blue	Location  Tests at Hor. Comp.  Core Size  Corr. Dip  Vert Comp.  True Brg. Logged by  N. Recov. Date  Langue  Sample Langue  L	Location Tests at Hor. Comp.  Core Size Corr. Dip Vert Comp.  True Brg. Logged by  N. Recov. Date  Sample Longe by  N. Recov. Date  Sample Longe by  Sample Lon	Location Tests at Hor. Comp.  Core Size Corr. Dip Vert. Comp.  True Brg. Logged by  N. Recov. Date    Core Size   Corr. Dip   Vert. Comp.

non-laminated wacke bed tops, generally weakly sericitic through-out, minor subhedral pink

979.0 - 981.5 Quartzitic Wacke, Interbedded Wacke; medium to thin bedded, medium to fine grained, contacts

981.5 - 989.5 Quartzitic Wacke; medium bedded, medium grained, 1 to 2 cm non-laminated wacke bed tops, contacts

989.5 - 1001.4 Quartz Wacke; thick to very thick bedded; medium grained, contacts distinct undulating, 2 to 6 cm
wavy and parallel laminated wacke bed tops, weakly sericitic through-out section, chlorite

distinct-undulating, wacke beds are wispy to wavy laminated.

garnets.

flat-distinct.

P1447

Property VINE		District	Hole No. V-83-1-E				1	1	
Commenced		Location	Tests at	Hor. Comp.			1		
Completed		Core Size	Corr. Dip	Vert. Comp.			-		
Co-ordinates			True Brg.	Logged by		_	1		å
Objective			% Recov.	Date			E	879	Collar Dip
Footage	Description				Sample	Langer	Q	-	0
From To					No.	-			F
989,5 - 1001.4	rimmed hairline frac	tures common.			-	-	-	-	-
cont'd					+	+-	1	-	-
1001.4 - 1006.0			ium to thin bedded, medium to very		+	+	-	-	H
-			Wacke beds commonly finely para		-	+	-	-	H
			1 1004.0 m. Rare patches of silif:	cation, associated	-	+		-	-
	with weak chioritizat	tion and mannedral pi	ink garnets. Bedding to core 87°.		+-	+			H
1006.0 - 1018.5	Quartz Wacke; medium	to dominately thick	bedded, medium grained, 1 to 10 cm	parallel and					Γ
			harp-undulating, flame structured						
	some rip-up clasts, p	generally weakly seri	citic with rare silicified patches	containing					L
	subhedral pink garnet	ts and chlorite.				-			_
				anno menterala m	-	-	Н		
1018.5 - 1019.8			um to very thin bedded, medium to		-	+	$\vdash$		$\vdash$
			wacke beds commonly finely paralle	el laminated, weakly	-	+			
-	disseminated pyrrhoti	te through-out secti	on		-	-			
1019.8 - 1021.2	Quartz Wacke; thick b	edded, medium graine	d, contacts barely visable, weakly	sericitic and					
	chloritic along hairl	ine fractures.	A CONTRACTOR OF THE CONTRACTOR		-	-			-
1021 2 - 1022 0	Wacke: thin bedded, I	ine to very fine gra	ined, parallel and wavy laminated,	1021.2 1021.6					
102112 - 103210			mineralized by quartz and calcite						
	unday daments	******							

Drill Hole R	ecord	District	Hole No. V-83-1-E	Cominco P	ge 30					
Commenced		Location	Tosts at	Hor. Comp.			-			1
Completed		Core Size	Corr. Dip	Vert. Comp.		_	1	1		1
Co-ordinates			True Brg.	Logged by		_	4_		Coller Dip	ı
Objective			% Recov.	Date			-	Brg.	100	1
Footage	Description				Sample No.	Length	Anal	-	10	I
1022.0 - 1028.3	Quartz Wacke; t	hick bedded, medium grains	od, contacts barely visable; gene	rally sericitic.		-	-	-	-	+
1025.3 - 1031.2			um to thin bedded, medium to fin	e grained, contacts	-	1	F	L		F
-	distinct-undula	ting, minor thin zones of	soft sediment alumping.					F		ŧ
1031.2 - 1035.6			ium grained, contacts barely vis			+	F	-	-	t
	non-laminated w	acke bed tops. Weakly chi	loritic along hairline fractures,	very weak	1	1	1	1		t
	sericitization.						F	F	F	ļ
1035.6 - 1037.8	Vacke, Interbed	ded Quartzitic Wacke; fine	to very fine grained, wackebeds to undulating-distinct near botto	m of interval.				t		t
	Widely postters	d fine disseminated pyrrix	otite through-out interval, minor	chloritization	100		1	1	-	1
	mainly in small	patches and along hairlis	ne fractures. Tiny speck of spha	lerite @ 1036.6	+-	+	-	+	+	+
					-	-	F	F	F	+
1037.8 - 1040.5	Quartz Wacke; 1	hick bedded, medium grains	ed, contacts barely visable, 2 to	4 cm thick non-	1	-	1	1	1	†
	laminated wacks	bed tops; patchy sericit;	ic and chloritic alteration with	subhedral plnK	1	1	1	1	1	†
	garnets.									1
		to a Commentate Market and	ium to thick bedded, medium to ve	ry fine grained.				L		1
1040.5 - 1044.1	Wacke, Interbed	Med QUARTEITIC WACKS; MOD	se beds generally thick bedded an	d alumn textured		1				1

Commenced	Locatio	on .	Testa et		Hor, Comp.			1		
Completed	Core 8	l/a	Cerr: Dip		Yerl Cemp.			1		
Co-ordinates			True Brg.		Logged by					o o
Objective			% Recov.		Date			Claim	Brig	Sollar
						T.	1	Anal	-	8
ootage rom Te	Description					Sample No.	Length	-	-	
1040.5 - 1044.1	with finely disseminated pyr	rrhotite.								
Cont'd										1
044.1 - 1046.5	Quartz Wacke, Interbedded N	Rucke; medium to	thin bedded, medium to	fine grained, o	ontacts		-	-		-
	mainly undulating-distinct,	wacke beds gene	rally parallel laminat	ted, and weakly c	hloritic.	-	-			-
	with weak pyrrhotite disser	minated, quartz w	cke beds sericitic,	with chlorite alo	ng hairline	1	-	-	-	-
	fractures.					-	+	-	-	-
		or or well all the time			A	+	+	-	-	-
046,5 - 1048,7	Wacke, Minor Interbeds of C		And the second s				+	1.0		
-	barely visable, wacke very									
	and a light cream colored a contains quartz, chalcopyri	and the same of th		1046.5 very tur	n Hactare		+-	$\vdash$		
	contains quartz, chaicopyr	ite and spanierit					1			
048.7 - 1050.6	Wacke, Interbedded Quartzit	ic Wacke; medium	to thin bedded, media	m grained, conta	cts barely					
	visable, wacke beds paralle	el laminated to w	ispy laminated, genera	ally contains wea	kly					
	disseminated pyrrhotite, 10	050.3 to 1050.6 m	are tiny reddish speci	ks of sphalerite	associated	-	-	-	-	-
	with pyrite and pyrrhotite.		11.				-	-		-
						-	-	-		-
1050.6 - 1051.0	Calcareous Wacke; medium be	odded, fine grain	to partly xtln, conti	acts flat-sharp,	very finely	+	+	-		-
	parallel laminated, weakly	sericitic and chi	loritic. Bedding to 8	320		+	+	-		
		0001000					1	+		
-								-		_

Drill Hole R	27	Hole No. V-83-1-E	Corningo Pag	pe 32					
Commenced Commenced	Location	Tests at	Har. Comp.						1
Completed	Core Size	Corr. Dip	Vert. Comp.			1			1
Co-ordinates		True Brg.	Logged by			]		do	1
Objective		% Recov.	Date			E	Bro	all a	1
	Description			Sample No.	Length	Ana	lysis	18	1
1061.0 - 1068.8	Quartz Wacke; thick bedded, mediu	m grained, contacts barely visable to d	distinct undulating:				1		1
	1 to 2 cm non-laminated wacke bed	tops, interval weakly sericitic through	gh-out with			1	1	-	4
		e fractures. Rare small subbedral garm	ets developed		+	+	+	-	4
	near chloritic fractures.			-	+	+	+	1	-
1068.8 - 1063.0	Wacke, Interbedded Quartzitic Wac	ke; medium to thin bedded, medium to fi	ine grained, contacts			二	上		1
	barely visable to distinct-undular	iting and some flat-distinct contacts.		+	+	+	+	+	
1063.0 - 1069.8	Quartz Wacke; thick bedded, mediu	m grained, 2 to 6 cm non-laminated wack	se bed top, rare						j
	wavy laminated top, weakly serici	tic through interval, chlorite and subb	edral garnet						
	best developed along hairline frac					+	-	-	-
1069.8 - 1071.4	Wacke, Interbedded Quartzitic Wad	ke; thin to very thin bedded, contains	flat-sharp to barely						
	visable, wacke beds generally fin-	ely parallel laminated. Some very weak	cly disseminated		1				
	pyrmotite.			+	-	1	-	+	-
1071.4 - 1077.7	Quartz Wacke; thick to very thick	bedded, medium grained, light gray non-	-laminated wacke						
	bed tops are rare, contacts flat (	distinct, weakly sericitic throughout	interval.	+	-	+	-	+	-
1077.7 - 1080.6	Nacke, Interbedded Quartzitic Wac	ke; medium to thin bedded, medium to ver	ry fine grained,						
	contacts distinct-undulating, was	ke beds are parallel laminated in part s	and wavy laminated	1000				17	1

Commenced	Location	Tests at	Hor. Comp.						
Completed	Core Size	Corr. Dip	Vert. Comp.			]			
Co-ordinates		True Brg.	Logged by		-30			8	
Objective		% Recov.	Dete			Claim	8.0	Coller	1,
tomas t	<b>6</b> 1-1-1				-	100		8	ů
Footage From To	Description			Sample No.	Langth	Analy	/SIS		-
1060.6 - 1088.0	Quartz Wacke; thick bedded, medium gra	sined, rare non-laminated wacke bed top,	contacts barely					$\Box$	Г
		chlorite and rare pink subhedral garnet			1				r
	fractures.		1000						r
						$\Box$			Γ
1088.0 - 1093.8	Wacke, Interbedded Quartzitic Wacke; m	medium to thin bedded, wacke beds very f	ine grained and						Γ
	finely parallel laminated, contacts ar		V-SVP-SCHIPELTONIC STR						Γ
									Γ
1093.8 - 1115.2	Quartz Wacke; medium to thick bedded,	generally medium grained and rare coarse	d grained beds,						Γ
	2 cm to 10 cm wavy and some parallel 1	aminated wacke bed tops, contacts mainly	undulating-distinct	t.					Γ
		sericitic, with widely scattered chlori		10000					Γ
	subhedral garnets, commonly near hairl	ine fractures. Bedding to 87°.	1 802 - 104		-				
1115.2 - 1115.9	Wacke; medium to thin bedded, fine to	very fine grained, contacts barely visal	ole, some very					+	-
	weak disseminated pyrrhotite.			-	-				
1115.9 - 1116.7	Quartz Wacke; thick bedded, medium gra	ined, contacts-undulating distinct, weak	ly sericitic						
	and chloritic.			-	-		-	$\dashv$	
1116.7 - 1119.1	Wacke; thin to very thin bedded, fine	to very fine grained, contacts mainly fl	at-sharp,						
	disseminated pyrrhotite rare thin pyrri	hotite lamina, at 1117.3 - 20 cm thick.							
	(soft sed, slump zone,)						_		
				1					
					160				

Property VINE	District	Hole No. V-83-1-E	Cominco Pi					
Commenced	Location	Tests at	Hor. Comp.		_	-		1 1
Completed	Core Size	Corr. Dip	Vert. Comp.		-	4	1	
Co-ordinates		True Brg.	Logged by		_		2	do
Objective		% Recov.	Date			Slaim	Brg	offer
Footage From To	Description			Sample No.	Length	Q	-	19
1119.1 - 1119.7	Quartz Wacke; thick bedded, course grain	med, contacts flat-sharp, sericities	with widely	3	1			
1110.1 - 1110.1	scattered subbedral pink garnets.			-1				
	outre of the same							
1119.7 - 1121.4	Wacke; thin to very thin bedded, fine to	very fine grained, contacts flat-	sharp, generally					
3119.7 - 1121.4	very finely parallel laminated, widely s	scattered thin <.1 on pyrrhotite la	smina, wide scattered					
	fine specks of pyrrhotite with rare spec	ck of sphalerite. Some thin slump	atructures zones.					
	Table operation of pyrometry							
1121.4 - 1170.0	Wacke, Interbedded Wacke and Minor thin	beds of sandy limestone and calca-	ruous wucke;					
722,4 - 73,5,5	generally gray with reddish gray banding	g, medium to thin bedded, contacts	sharp-flat, the					
	section is typically finely parallel lar	minated. Thin light olive gray su	bwacke bed tops					
	common. Fine reddish and black biotite	and minor sericite is evenly dist	ributed through-out			1		
	the section, fine specks of pyrrhotite						1	
77								1
6	Calcureous Waske and Sandy Limestone bed	ds are rarely more thin 10 cm thic	k. Parallel					
	lamination can be well developed or very	y weak and is generally accented b	y biotite. The					
	sandy limestone generally contain quart;	z sand some of which is blue quart	z. About 25% of	_		_	1	
	the section is calcareous. Calcareous	beds are less abundant towards bas	e of this interval.			-	1	
	Bedding to core 88°.		THE PERSON NAMED IN		-	-	-	
					-	-	-	-
1170 0 - 1171 0	Fault Breccia 20 cm zone of soft gouge	and broken core, shearing and goug	e @ 45 to core.			_	1	_

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Property VIN	E	District		Hole No. V-83-	1-E	_				1	
Completed		Location Core Size	711111	Tests at		Hor. Comp.			1		
Co-ordinates		Core sue		Corr. Dip		Vert, Comp.	-		4	1	1
Objective				True Brg.		Logged by	-		-1-	1	Collar Dip
				A Nacos.		Date			Ctain	Brg	100
Footage From To	Description						Sample	Length		llysis	10
1171.0 - 1179.0	Wacke; crackle br	ecciated, chlo	rite-calcite m	atrix, brecciated wacks	a is chloritie	and contains	No.	-	-	+	-
	abundant dissemin	ated pyrite.	Pyrrhotite, pyr	rite and rare sphalerit	e occur in bre	ocia metric	+	-	-	+	$\vdash$
						SCIE HELIZA	+-	+	+	+	$\vdash$
								+	+	+	-
1179.0 - 1188.0	Wacke Interbedded Quartzitic Wacke; mainly light gray to medium gray, medium to thin bedded,							1	$^{\dagger}$	+	
	contacts flat-shar	rp, fine to ver	ry fine grained	, wacke and quartzitic	wacke, very f	nelv					
	parallel laminated	d, thin light ;	greenish gray s	nibwacke bed tops are r	are, quartzitic	wicke					
	beds are generally	silicified, v	with abundant s	ericite developed alon	g parallel lami	nation.					
	the cost	ses in this in	terval, Weakly	disseminated fine pyr	rhotite common	through		_	_		
	the section.	_						-	_		
1188.0 - 1190.0	Vacke, Interheddor	Submicke: 14-	tht gray and his	uish gray, thin to very			-	-	-		
2200.0	distinct-flat, ver	y weakly diese	minated fine	wish gray, thin to very	y thin bedded,	contact	-	1	-	-	-
laute a local		, action throat	Time p	,				-	-		-
1190.0 - 1205.7	Wacke Interbedded	Quartzitic Was	ke, minor subv	acke, approx. 50% of se	ediments in the	n section		-	-	-	-
	are calcareous, co	lors range fro	m reddish gray	to light greenish gray	, medium to th	in bedded				1	-
	fine to very fine	grained, conta	cts are flat-si	harp, all the seds are	finely paralle	l laminated,	1				
	thin light greenis	h subwacke bed	top are common	n. Quartzitic Wacke be	eds are counonly	y silicified					
	and weakly chlorit	ic, with abund	ant sericitic o	developed parallel to 1	lamination. Wes	ıkly	E				
-	disseminated fine	pyrrhotite thr	ough the inter-	val. Bedding to core :	t bottom of ho	le 80°.					
Drill Hole R		RE STORED AT K	imperury, sulli	VAN MINE.		Cominco Page	36				
Drill Hole R	ecord	RE STORED AT K	neserley, sulli	Hole No. V-63-1-E		•	36				
	ecord	District Location	imegruey, sulli	Hole No. V-83-1-E		Hor. Comp.	36				
Property VINE	ecord	District	Despriey, Sulli	Hole No. V-83-1-E Tests at Corr, Dip		Hor. Comp. Vert. Comp.	36				dio
Property VINE	ecord	District Location	Despriey, Sulli	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by	36				lar Dip
Property VINE Commenced Completed	ecord	District Location	imerkey, sulli	Hole No. V-83-1-E Tests at Corr, Dip		Hor. Comp. Vert. Comp.	36		<u> </u>	T Brg.	Coller Dip
Property VINE Commenced Completed Co-ordinates Objective	ecord	District Location	DESPLEY, SULLI	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	Claim	T Brg.	
Property VINE Commenced Completed Co-ordinates	ecord	District Location Core Size	Despriey, Sulli	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by	Sample No.	Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	ecord	District Location Core Size	Deservey, Sulli	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Length	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS	District Location Core Size		Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters)	District Location Core Size	Dip 88°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters)	District Location Core Size	Dip 88° 87.5°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters)	District Location Core Size  Brg. True S74°W S67°W S72°W	Dip 88° 87.5° 87.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Length	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters) 172.2 220.4	District Location Core Size  Bry. True S74°W S67°W S72°W S88°W	Díp 88° 87.5° 87.0° -86.8°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Length	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters) 172.2 220.4 274.3	District Location Core Size  Brg. True S74°W S67°W S72°W S88°W S86°W	Dip 88° 87.5° 87.0° -86.8°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description SPERRY SUN SURVEYS Depth (Meters) 172.2 220.4 274.3 365.8	District Location Core Size  Bry. True S74°W S67°W S72°W S68°W S65°W S65°W S65°W	Dip 88° 87.5° 87.0° -86.8° -86.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8	Brg. True S74°W S67°W S68°W S65°W S62°W S52°W	Díp 88° 87.5° 87.0° -96.8° -86.0° -86.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8  853.6	Brg. True S74°W S67°W S68°W S68°W S65°W S52°W S52°W S52°W	Dip 88° 87.5° 87.0° -86.8° -86.0° -85.7° -84.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Length	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8  853.6  964.3	District Location Core Size  Brg. True S74°W S67°W S72°W S88°W S86°W S852°W S52°W S62°W S62°W	Dip 88° 87.5° 87.0° -86.8° -86.0° -85.7° -84.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8  853.6  964.3  1132.6	District Location Core Size  Bry. True S74°W S67°W S72°W S88°W S82°W S82°W S82°W S82°W S82°W S82°W S82°W S82°W	Díp 88° 87.5° 87.0° -86.0° -86.0° -85.7° -84.0° -83.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8  853.6  964.3	District Location Core Size  Brg. True S74°W S67°W S72°W S88°W S86°W S852°W S52°W S62°W S62°W	Dip 88° 87.5° 87.0° -86.8° -86.0° -85.7° -84.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Langth	<u> </u>	T Brg.	
Property VINE Commenced Completed Co-ordinates Objective	Description  SPERRY SUN SURVEYS  Depth (Meters)  172.2  220.4  274.3  365.8  463.4  668.3  779.8  853.6  964.3  1132.6	District Location Core Size  Bry. True S74°W S67°W S72°W S88°W S82°W S82°W S82°W S82°W S82°W S82°W S82°W S82°W	Díp 88° 87.5° 87.0° -86.0° -86.0° -85.7° -84.0° -83.0°	Hole No. V-83-1-E Tests at Corr, Dip True Brg.		Hor. Comp. Vert. Comp. Logged by		Length	<u> </u>	T Brg.	
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