

	·	
LAVAL & BRO. #20-7	THE THE STATE OF T	BROWNRIDGE
12 - 12 - 10 C	Loke  Loke  A49924  A49911  A49912  A49913  X  X  X  X  X  X  X  X  X  X  X  X  X	Rotter
HOLLINGER TWPS	4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
9 8 CON.  Mwes 272 H	449926 449919 449920 449919 449917 449918 449917 449918 449716 449721 449722 449722 449733	N X X
HARTMAN	A49945   A49946   A49947 44   A49945   A49947 44   A49947   A499	Cardnar
TP. M.	4499471449948 4499471449948 4499421449941 7 7 449941 7 7 449951 449939 7 7 7 449941	44   44   49   75   75   75   75   75   75   75   7



#### Diamond Drilling

759 14 LAVAL Ø1Ø

Township of LAVAL

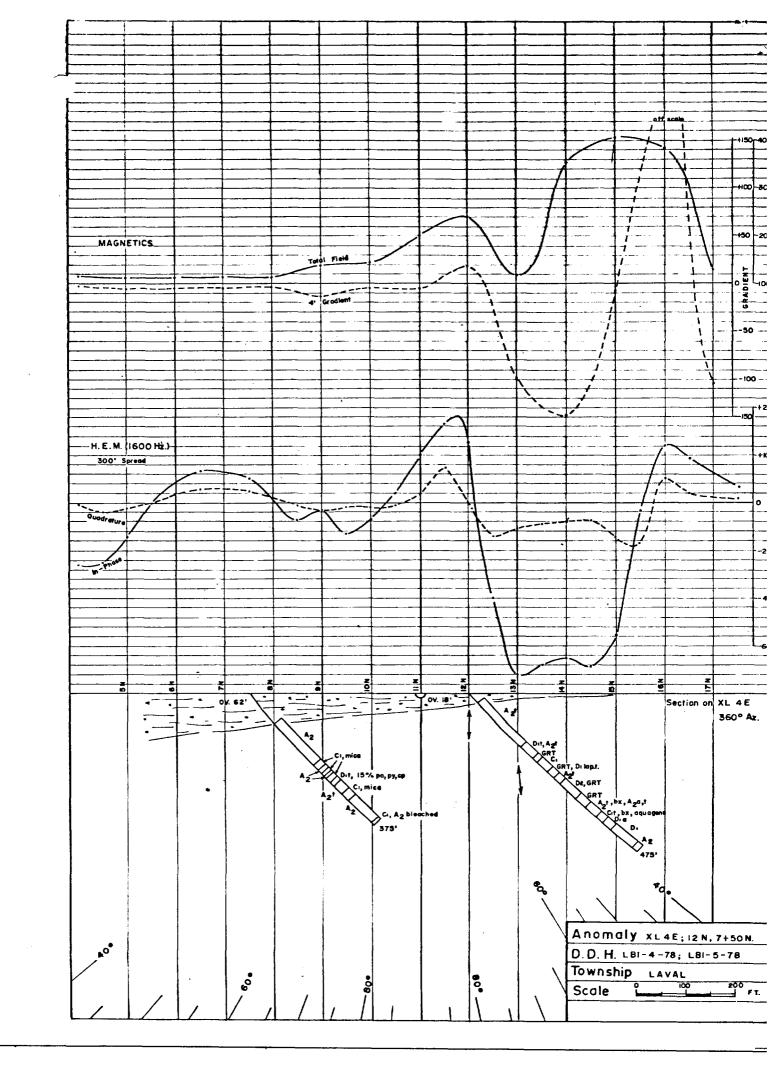
Report Nº 14

Work performed by: Hollinger Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
K 449695	LBL-1-78	352.01	Feb/78	(1)
K 449700	LBL-3-78	384.0'	Feb/78	(1)
K 449558	LB1-4-78	475.0	Mar/78	(1)
K 449558	LB1-5-78	375.0	Mar/78	(1)

Notes:

(1) #20-78 (Laval & Brownridge Twps.)



20+00N

Surface 3350 az.

19+40W

EAST\_ NORTH.

AZIM. ELEV.

#### DIAMOND DRILL REPORT

LAVAL-BROWNRIDGE #1

HOLE NO. LB1-1-78

SIVERLY.	HOLE STORE OF CHARLES	PURPOSE OF TO TAKE A PACTYONING NATIO	Finished Feb. 20, 1978	COMMENCED Feb, 17, 1978

142.8' 249.51 224.4' 150.8' 123.2' FROM 117.5' 90' 0 or Collar: -520; 300': 352' 249.5' META-DACITE to META-ANDESITE TUFF 224.4 PILLOWED META-ANDESITE 150.8' QUARTZ-FELDSPAR PORPHYRY 142.8 123.2 RHYODACITE to DACITE TUFF . 117.5 META-ANDESITE TUFF 901 7 PILLOWED META-ANDESITE INTERCALATED RHYODACITE TUFFS and OVERBURDEN - 238.5' to 240.5' - agglomeratic section - 90.2' to 90.9' and 97.1' AGGLOMERATES -- 251.5' to 257' - black chert - greater proportion of more mafic material 224.4' - fault gouge 127.1' to 129' - bleached andesite or dacite tuff 118.5' to 121.7' - 10%-15% po.py, tr.cp 102.3' to 102.6' - dykelet of feldspar porphyry bleached andesite or dacite tuff; 7%-10% po,p below 333 SUMMARY LOG DESCRIPTION 8 agglomeratic sections PROPERTY\_ to 97.9' BQ Core FROM 70 CORE SAMPLES RECOV. MIDTH ASSAY Drilled by: Bradley Bros. DESCRIPTION OF SAMPLE

KAST \_\_\_

19+40W 20+00N

Surface Azim. 3350 az. Och Collar: -520; 300': -470

DIAMOND DRILL REPORT

HOLE NO. LB1-1-78

COMMENCED \_\_\_\_ Feb. 17, 1978 Feb. 20, 1978

PURPOSE OF to test electromagnetic anomaly.

Drilled by: Bradley Bros.

PROPERTY\_ LAVAL-BROWNRIDGE #1

Claim K-449695 BQ Core

				CC	CORE SAMPLES	Š		
FROM	70	O M S C R T T T O 2	FROM	70	RECOV.	HTGIW	ASSAY	DESCRIPTION OF SAMPLE
0'	90'	OVERBURDEN - Casing to 102'					Cu Zn ppm ppm	(All samples assayed for gold & Agran TRACE)
90'	117.5'	META-ANDESITE TUFF - fine-grained; grey-green to	901	921		2'	•	1% to 3% strgrs
		dark grey; discrete, closely-packed, subrounded	921	971		51		1% to 2% strgrs
		to subangular fragments averaging 1.0 mm in	971	100'		31	n 11	=
		diameter are mixed with numerous scattered dark	100'	102'		2"	11	2% to 3% strgrs
		grey fragments of similar size, and a few local	102'	105		31	11	3% to 5% strgrs
!	•	pale green 'patches' of highly altered cement;	1051	1101		51	=	1% to 3% strgrs
	·	below 92', the unit is uniform and weakly to	110'	113'		31	=	
		moderately foliated @ 45° to 50° to C.A	113'	115'		21	=	1% to 2% strgrs
		as well as being mottled medium and pale grey/	115'	118'		ω.	=	=
		dark and pale green (some black and brown mica						
		along foliation planes); weakly to strongly						
		magnetic and carbonatized (both listed @ end of						
		log); very fine pyrrhotite and pyrite with a						
		trace of chalcopyrite are disseminated throughout						
		(listed below); there are several narrow white-						
		grey quartz or quartz-carbonate gash stringers			,			
		(from 3 to 6 mm wide) cutting the C.A. at 200,						
		$45^{\circ}$ , and $75^{\circ}$ core angles; the margins of several						
		of these seams contain reddish-orange and/or						
		honey-coloured material that may be either			:			
		sphalerite or the product of local iron-staining						
		several hairline fractures at 5° and 90° to the						
		C.A. are filled with selenite (clear, soft, non-						

PROPERTY LAVAL-BROWNRIDGE #1

NORTH \_ EAST \_\_\_ ELEV.\_\_ AZIM.\_\_ DIP \_\_\_\_

HOLE	PURPOSEOF	COMMENCED	
	EOF	NCED	

					3%-5% po, minor py, tr.sp & cp?; 100.71 to	38		
					p to 1% po,py,tr,sp,?; 100.5' to 100.7' -	ďn		
					2' to 99' - 1%-2% po,py; 99' to 100.5' -	921		
					mineralization = 90' to 92' - 2%-5% po,py;	- mine		
					f quartz feldspar and mafic minerals.	of		
					length) in a dark grey medium-grained matrix	le		
					white feldspar phenocrysts (to 5 mm in	wh		
					with medium- to closely-spaced subhedral	wi		•
					.3' to 102.6' - dykelet of feldspar porphyry	- 102.3		
					1' to 97.9' - as from 90.2' to 90.9'	- 97.1'		
					finely disseminated throughout rock.	fi		
					(here @ 50° to 55° to C.A.) as well as	(h		
					pyrrhotite along seams parallel to foliation	ру		
					tuff; light grey; 7% to 10% pyrite and	tu		
					2' to 90.9' - bleached andesite or dacite	- 90.2'		
					nct @ 45° to C.A.	distinct		
					well-preserved); the basal contact is sharp and	well-p		
					probably low greenschist facies (textures are	is pro		
					ter) rimmed by selenite; metamorphic grade	diameter)		
					are scattered quartz fragments (up to 2 mm	there		
		_			ted in selenite. From 113.6' to 116.7',	cemented		
					're-opened', then the quartz fragments	been '		
					, and @ 105' a quartz seam appears to have	fizz),		
CESCRITTION OF SAMPLE	ASSAY	WIDTH	RECOV.	FROM TO				
		FS	CORE SAMPLE		Q Л		 5	

PROPERTY LAVAL-BROWNRIDGE #1

RAST \_\_\_\_\_
ELEV. \_\_\_\_
AZIM. \_\_\_\_
DIP \_\_\_\_\_

PURPOSE OF	FINISHED	COMMENCED

				C	CORE SAMPLES	M		
FROM	70	ひ用いのス・サイーウン	FROM	70	RECOV.	HTGIW	ASSAY	TDESCRIPTION OF SAMPLE
		102' - 1%-2% po, minor py, tr.sp.?; 102' to					Cu Zn	
		y, an	!					
		to 105.3' - 1%-2% po,py,sp.?; 105.3' to 113'						
		- up to 1% po,py (except for 1%-2% po,py,sp.						
		@ 110'); 113' to 113.6' - 2%-3% po,py; 113.6						
		to 116.7' - up to 1% po,py; 116,7' to 117,5'						
		- 2% to 3% po,py,						
117.5'	123.21	RHYODACITE to DACITE TUFF - fine-grained; pale grey	118'	120'		2'	Tr. Tr.	5% to 7% strgrsw
•		to dark grey with some colour banding parallel	120'	121'		11	2	3% to 5% strgrs
		to well-developed foliation (varies from 25° to	121'	123'		21	e u	,
		C.A. to mainly between 550 and 700 to C.A.);						
		some dark grey, shard-like, medium- to close-						
		spaced, quartz fragments (to 2 mm across) in a						
		cream to pale grey cementsuggest a vitro-						
		clastic tuff.						
•		- from 118.5' to 121.7', 10% to 15% disseminated						
		and semi-massive pyrrhotite and pyrite;						
		trace of chalcopyrite (especially @ 120.2')						
		5% to 10% disseminated pyrrhotite and						
i		pyrite from 122.8' to 123.1'; rest of unit						
		contains 2% to 3% pyrrhotite and pyrite;						
		numerous slips from top to 118,5' are						
		coated with a very fine-grained black						

HOLE NO. LB1-1-/8

PROPERTY LAVAL-BROWNRIDGE #1

NORTH \_ EAST \_\_\_\_ ELEV. \_\_ AZIM. \_\_ DIP \_\_\_\_

HOLE	PURPOSE OF	FINISHED	COMMENCED

7000	 }	1		CI	CORE SAMPLES	ES		
770	7	C 7	FROM	10	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		material which seems to be chlorite(?) rather					Cu Zn	
		than graphite; sulphides, where semi-massive					7.7	
		in seams parallel to foliation; basal con-						
		tact sharp and distinct @ 45° to C.A.						
123.21	142.8'	PILLOWED META-ANDESITE - fine-grained; dark green						
		with distinct, curving, light to medium grey						
		selvages (up to 9 mm wide) bordering pillows						
			123 '	127'		4 '	Tr. Tr.	2% to 3% strgrs
		usually feature coarser-grained interior sec-	127'	129'		21	=	3% to 5% strgrs
		tions with subangular dark green amphibole grains	129'	132'		31	=	2% to 3% strgrs
		up to 4 mm across) medium-spaced in a light to	132'	135 '		3.	=	=
		1 22						
		more strongly carbonatized than the rest of the						
		unit); selvages are usually rimmed by narrow						
		sulphide (po & py) seams or blebs, and are more						
		strongly magnetic than the rest of the unit;						
		except for sections listed below, there is						
		generally 2% to 3% fine disseminated pyrite						
		with some pyrrhotite throughout; hairline						
		fractures@ 50 and 400-450 to C.A, are coated						
		with black chlorite,						
		- 127.1' to 129' - section of bleached andesite						
		or dacite tuff; well-foliated @ 450 to C.A.;						

PROPERTY	
LAVAL-BROWNRIDGE	
#1	

HOLE	PURPOSE OF	COMMENCED	HOLE NO.
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	1							
FR O K	<del>-</del>	J P A A A A A A A A A A A A A A A A A A		ū	CORE SAMPLE	E.S		
			FROM	70	RECOV.	HTGIW	ASSAY	מהשלת היים ביים ביים ביים ביים ביים ביים ביים
		5% to 7% pyrite and pyrrhotite as blebs			-		Cu Zn	
		narrow seams parallel to fo						
		- @ 130.6' and 133.7', 5% to 7% pyrite and						
		pyrrhotite as narrow seams along selvages @						
		450 to 500 to C.A.						
			142'	145'		3 1	Tr. Tr.	2% to 3% strgrs
142.8'	150.51	QUARTZ-FELDSPAR PORPHYRY (?) - fine- to medium-	145'	148'		31	=	1% to 3% strgrs
		grained; dark grey; wide-scattered white, sub-	148'	151 '		31	=	1% to 2% strgrs
		rounded, quartz and feldspar phenocrysts up to						
		6 mm across; slightly pitted surface where soft						
		green to brown mafic mineral worn or plucked						
		out (possibly altered mica); fine disseminated						
		pyrite with minor pyrrhotite, up to 5% through-						
		out; upper and basal contacts are relatively						
		sharp and distinct @ 450 to 500 to C.A.						
150.51	224.41	PILLOWED META-ANDESITE - as described above; narrow						
		zones of widely-spaced, light green-grey,						
		rounded, amygdules (up to 2.5 mm diameter)						
		marginal to selvages in upper(?) part of some						
		pillows (tends to indicate tops up hole); a few						
		scattered hairline fractures @ 50 to C.A.						
		filled with selenite (especially @ 192');						
		generally 1% to 2% fine disseminated pyrite,						

HOLE NO.

PROPERTY LAVAL-BROWNRIDGE #1

NORTH \_ EAST \_\_ ELEV.\_\_ AZIM.\_\_ DIP \_\_\_\_

	OLE	URPOSE OF	INISHED	
		•	è	

FROM	7	DESCRIPTION		0	CORE SAMPLE	MS		DESCRIPTION OF SAMPLE
	;		FROM	то	RECOV.	WIDTH	ASSAY	DRUCKITTION OF SAMPLE
		with some pyrrhotite, throughout 3% to 5%					Cu Zn	
		pyrite and pyrrhotite as narrow seams and blebs				-		
		in sections from 178.5' to 179.5', @ 181',						
		195' to 195.5', 207.5' to 210.5', and @ 219.4';						
		basal contact is marked by fault gouge and						
		finely broken core,						
224.4'	249.51	META-DACITE to META-ANDESITE TUFF - fine-grained;						
		abundant, generally closely-spaced, medium to						
		light grey felsic fragments (usually 2.5 mm by						
		1 mm) in a medium to dark green-grey andesitic						
		matrix; felsic 'lapilli' (4 by 1.5 mm) are	2241	2251		11	Tr. Tr.	Fault gouge xn for Au + Geo
		widely scattered throughout; where fragments	2251	2301		51	=	3% to 5% strgrs
		are particularly numerous, the unit has a rhyo-	2301	2351		5.1	=	
		dacite 'look'; well-foliated throughout with	2351	240 '		5 -	=	1% to 2% strgrs
		core angles varying from 40° to 50° to C.A.	2401	2451		5	=	5% to 7% strors
		(450 predominates); green, subangular, amphibole	245	250 <b>'</b>		5 •	E	
		rich fragments (up to 12 by 50 mm) medium-spaced						
		in a fine-grained, white-grey, carbonatized						
		cement comprise sections from 232.9' to 233.7'						
		and 241.2' to 243.7'; about 1% disseminated						
		pyrite and pyrrhotite except where noted below.						
		- agglomeratic section, from 238.5' to 240.5',						
		featuring wide- to medium-spaced, subrounded						

RAST \_\_\_\_\_
ELEV. \_\_\_
AZIM. \_\_\_

# DIAMOND DRILL REPORT

PROPERTY LAVAL-BROWNRIDGE #1

HOLENO. LB1-1-78

1	1	HOLE	PUR	Z	CON
		;n 	POSE	FINISHED	COMMENCED
			PURPOSE OF	Ĭ	CED.
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				6	CORE SAMPLES	R S		
FROM	. 7	D M W C R I P T I O N	PROM	10	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		elongate felsic fragments ('bombs' from 4					Cu Zn	
		to 6 by 30 mm) in						
		k green and						
		- white quartz-carbonate yeins bordered by						
		coarse green amphibole, and creamy feldspar						
		(honey sphalerite??) @ 450 to C.A. from						
		228,8' to 229,1' and 244.4' to 245',						
		- 5%-7% pyrrhotite and pyrite in seams from						•
		225' to 226,3', @ 227.4', 233.3' to 235.1',						
		@ 236', and 241,2' to 244,4',						, #
		- 3%-5% pyrrhotite and pyrite disseminated from						
		245.9' to 247', and 249' to 249.5'						
249.5'	352'	INTERCALATED RHYODACITE TUFFS and AGGIOMERATES						
		fine- to very fine-grained; light- to medium-						
		grained; hard; closely-spaced felsic fragments	2751	2801		51	Tr. Tr.	1% to 2% strgrs
		(from 1 to 6 mm across); wispy reddish-orange	2801	285 1		51	=	3% to 5% strgrs
		alteration occurs in sections from 250,5' to						
		257', 282.3' to 284.8', 287.5' to 287.8', 289'						
,		to 290.5', @ 315.5', and 345.2' to 345.7', and						
		appears to be due to feldspathization (however,	3131	315'		21	=	75% to 80% strgrs
		it may be due, in part, to iron staining or						
		sphalerite(???)); agglomeratic sections similar						
		to that from 238.5' to 240.5' (only with some-						

PROPERTY LAVAL-BROWNRIDGE #1

	HO. 1	PURPOSEOF	TIN SERT	COMMENCED
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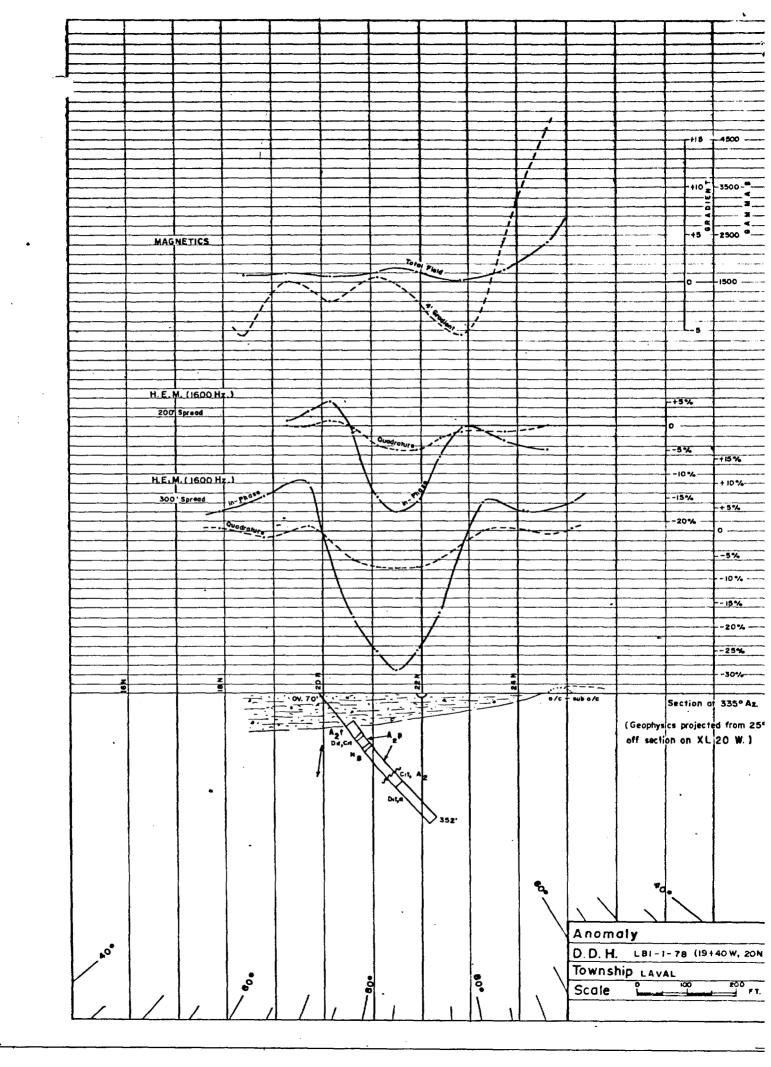
			£ 110 4.			E,O.H, ~ 3521		
Mark Market	OL VIEW		2	\(\frac{1}{2}\)				
	ions	1000	lan	1 G				
	J. BATE	ΔD	PAUL J. BATEMAN	.0G		322,41 to 322,91, and 345,31 to 345.61		
Ton to the second	1	VQ1/5		155		313,5' to 314.7', 319,9' to 320,3',		} } !
	20 7	0	POOCIA			along hairline cracks, from		
						~ white quartz yeins, with minor carbonate		
						@ 293.9 <sup>1</sup>		
						- 1% to 3% disseminated pyrrhotite and pyrite		
					<u> </u>	@ 338.5', 340.8' to 341.6', and 342.2'.		
						from 278.5' to 279,2', 304' to 308', @ 323'		
						- 3% to 5% disseminated pyrrhotite and pyrite		
						287.5' and 297.3')		
						chert, finely-fractured (also traces @		
						- 251,5' to 257' - black, very fine-grained,		
						C.A.		
						ation angles throughout between 500 to 550 to		
						bonate stringers from 331.7' to 340.5', foli-		
						mafic material below 333'; numerous fine car-		
						and 327.7' to 330.4'; greater proportion of		
			·.			294.7' to 295.7'; 297.5' to 299', 311.6' to 320'		
						281,41, 283,71 to 285,51, 289,51 to 292,61,		
						what more felsic matrix) occur from 279,61 to		
CRECATE ION OF SAMPLE	ASSAY	. WIDTH	RECOV	10	FROM			
		SAMPLES	CORE SAM				10	FROM

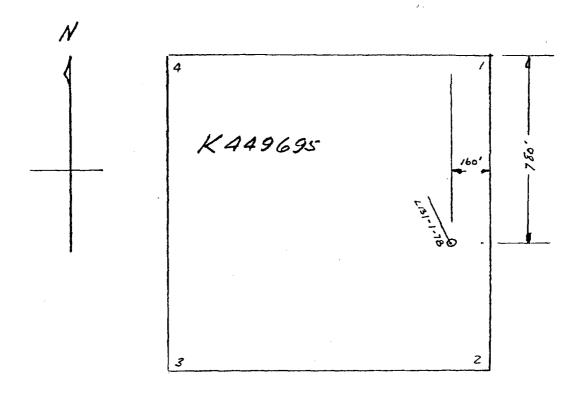
#### Magnetism

332' - 342'	317.6' - 322'	310' - 317.4'	295.9' - 297.5'	291.7' - 292.8'	288' - 289.4'	286.2' - 288'	276.6' - 278.2'	268' - 269.4'	264.3' - 267'	262' - 263.2'	247' - 257'	235.9' - 241'	235.1' - 235.7'	.91 -	228.5' ~ 231.6'	224' - 228'	220' - 221.4'	213' - 218.6'	209' - 212.3'	204' - 207.3'	165' - 183'	158' - 161'	138' - 140'	131.5' - 135'	105.5' - 111'	101.5' - 104'	92' - 100.5'	non to weakly magnetic
													322' - 332'	317.4' - 317.6'	297.5' - 299'	292.8' - 295.9'	@ 288'	278.2' - 279.5'	267' - 268'	231.6' - 231.9'	228' - 228.5'	@ 214' & 215'	212.3' - 213'	183' - 191'	143' - 147'	130' - 131.5'	- 105.	wkly to mod magnetic
											342' - 352'	289.4' - 291.7'	.4' -	257' - 262'	221.4' - 224'	·6' -	207,31 ~ 2091	@ 206.3'	191' - 204'	161' - 165'	147' - 158'	140' - 143'	135' - 138'	127' - 128'	111' - 113.5'	100.5' - 101.5'	90' - 92'	mod to strgly magnetic
																			299' - 310'	279.5' - 286.2'	263.2' - 264.3'	241' - 247' (except for qv)	235.7' - 235.9'	232.5 - 235.1'	ଡ 225.3' & 226.2' & 227'	128' - 130'	113.5' - 127'	strongly magnetic

Carbonatization (ccc)

5	323' - 331.7'	318,3' - 322'	314' - 317,6'	291' - 301'	286' - 290'	268' - 281.5'	245.1' - 267'	235' - 239'	225.3' - 233'	213.5' - 214.5'	206' - 208.5'	203' - 205.5'	120.5' - 138'	non to weakly ccc
					331.7' - 340.5'	317.6' - 318.3'	301' - 312'	267' - 268'	239' - 244.4'	214.5' - 217'	179' - 193'	147' - 167'	100' - 104'	weakly to mod ccc
			322' - 323'	312' - 314'	290' - 291'	281.5' - 286'	233' - 235'	217' - 225.3'	208.5! - 213.5!	138' - 147'	116' - 118.5'	106' - 109'	97' - 100'	mod ccc
									193' - 203'	167' - 179'	118.5' - 120.5'	113' - 116'	104' - 106'	mod to strg ccc
								•		244.4' - 245.1'	205.5' - 206'	109' - 113'	90' - 97'	strgly ccc





START FEB. 17/78

FINISHED FEB. 20/78

DIA. of Come . 1.44"

WIRE LINE BQ COME

Consumeron Bradley Bros Timming On' LAVAL TOWNSHIP SCALE 1" - 400'

LENGTH 352'

Dip -52°

Az 335°

Cellen

NORTH EAST _ ELEV. AZM.	NORTH	0+25S XL 8W Surface 3600 az. -500; 300': -32.50 PROPERTY	DIAMOND DRILL LAVAL-BROWNRIDGE	ID DRILL REPORT			COMMENCI FINISHED . PURPOSE Q	February 28, 1978 FINISHED March 4, 1978 PURPOSE OF to test electromagnetic HOLE conductor
		BQ Core		Q	CORE SAMPLES	. E	Dr	Drilled by: Bradley Bros.
FROM	70	DESCRIPTION	FROM	70	RECOV.	МТОТН	ASSAY	DESCRIPTION OF SAMPLE
		· SUMMARY LOG						
0,	152'	OVERBURDEN						
152'	189.3'	'SHEARED' META-ANDESITE TUFF						
		- 185' to 189.3' - dacite(?) to meta-arkose(?)	(?)					
189.3'	219.4'	GRAPHITIC TUFF - 500 to 650 to C.A.						
		- 211' to base, 10%-15% po,py,cp						
219.4'	233'	RHYODACITE TUFF - 219.4' to 228.5' - 5% to 10%						
		po,py,tr.cp.						
233'	294.1'	META-ANDESITE TUFF						
		- 233' to 247' - chloritic andesite to dacite	te					
294.1'	384'	DIORITE to 'B' FLOW						
		E-O-H - 384						
								1.

ELEV. EAST \_

XI 8W Surface

NORTH

WIZW.

Collar: -50°; 300': -32.5°

PROPERTY\_

LAVAL-BROWNRIDGE #1

360° az.

DIAMOND DRILL REPORT

HOLE NO. LB1-3-78

HOLK PURPOSE OF COMMENCED test electromagnetic Feb. 28, Mar. 4, 1978

conductor

152 FROM o 152' 189.3' 7 OVERBURDEN 'SHEARED' META-ANDESITE TUFF - fine-grained; angles are 550 to C.A. @ 169', and two sets be definitely volcanogenic, and a few scattered abundant -- however, the detritus appears to greywacke or meta-quartzite), especially where many sections look sedimentary (i.e. metahole) by coarser, conformable 'ashy' sections; grey sections are abruptly overlain (tops up metres thick), as several finer dark oliveof relatively thin tuff beds (0,6 to 3.0 and flecks of dark grey; possibly a succession medium grey to grey-green with numerous streaks throughout with local minor crinkling (core long) support a volcanic tuff classification; to dark green amphibole or biotite grains scattered pinkish-white subrounded garnets 30° and 45° to C.A. @ 181'); there are rare the unit is well-foliated and/or sheared light grey augen-shaped fragments (up to 4 mm fine disseminated phlogopite is particularly (to 1 mm diameter) and, locally, numerous black ı Casing to 156' K-449700 DESCRIPTION BQ Core 185' FROM 190' 70 CORE SAMPLES RECOV. WIDTH 5 ASSAY Drilled by: ç 3% strgrs Bradley Bros. DESCRIPTION OF SAMPLE

RAST \_\_\_\_ ELEV. \_\_\_ AZIM. \_\_\_

DIAMOND DRILL REPORT

10 C P 20 C	
	74-7-187

PROPERTY.	
LAVAL-BROWNRIDGE #1	

	HOLE	PURPOSE OF	FINISHED	COMMENCED

T C C C C C C C C C C C C C C C C C C C	<del>-</del>	74 A A A A A A A A A A A A A A A A A A A		CORE	RE SAMPLES	iš		
		1 1	FROM	70	RECOV.	WIDTH	ASSAY	
		(to 1.2 mm across); the core is quite blocky,						
		and there is 4.5 feet lost core between 152'						
		and 156', 1 foot lost core from 156' to 164',						
		and 2 feet lost core from 177' to 182'; a						
		narrow grey-white quartz-carbonate vein cuts						
	-	the core @ 550 to 600 to C.A. from 164' to						
		164.2'; non-carbonatized except on sparse						
		narrow stringers; moderately to strongly						
		magnetic from 177' to base; fine graphite in						
		matrix and along slips from 177' to 182' and						
		183' to 185'						•
		- 159.9' to 160' and @ 160.3' - mg to cg,						
		speckled white and green, dioritic section						
	:	(2%-3% po,py) @ 75° to C.A.						
		- 165.4' to 165,9' - vfg, dark grey, chloritic						
		rhyodacite(?) section						
		- 185' to base - light to medium grey section						
		of dacite(?) or meta-arkose(?)						
		- 5% to 10% dissem. & strgr py,po = 185' to						
		base						
		- 3% to 7% dissem. po & py = 177' to 182' and					_	
ist (		183' to 185'						
1		- 3% to 5% dissem. po,py = 168,7' to 169.4'						
		- py along hairline seams @ 45° to C.A. @ 156.B'	_					

HOLE NO. LB1-3-78

DIP	AZIM.	ELEV.	EAST	NORTH
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K	7			

OPERTY LAVAL-BROWNRIDGE #1

						,		
FROM	7	DESCRIPTION	MORM	70	RECOV.	HTOIM	ASSAY	DESCRIPTION OF SAMPLE
		to 156,6', @ 162' to 164.3', @ 170,4', and						
		173.3'-174.7'.						
189.3'	219.4'	GRAPHITIC TUFF - fine-grained, black, heavily	190'	195 '		5 1		1% to 2% strgrs
		graphitic except for sections from 191.4' to						
		191.8' and 192.1' to 195' (that are moderately						
		to strongly magnetic, and are similar to the						
		section from 177' to 182'); also strongly						
		magnetic from 211' to base; the upper contact						
		is sharp but broken the lower contact is	206 1	211'		51		2% to 3% strgrs
		sharp and distinct @ 650 to C.A.; foliations	211'	214'		31		3% to 5% strgrs
		are prominent throughout (25° to C.A. @ 190.7'	214'	217'		31	-	5% to 7% strgrs
		60° to C.A. @ 191.3', 55° to C.A. @ 197.5',	2171	220'		31		- 1
•.		and 500 to C.A. @ 218'); the core is blocky						
		and ground from 189' to 190.5', 195' to 200'						
		(1.5' lost), 202' to 203', and 204' to 205';						
	·	from 211.3', the unit is finely brecciated						
		or fractured throughout,and narrow distinct						
		breccia zones (with variable white-grey fg						
		carbonate and/or sulphide cement) parallel to						
		the foliation @ 217.1', 217.3', 217.8', 218.7'						
		219', and 219.3' to base; to 211', from 5% to						
		10% disseminated, nodular, and stringer pyrrho						
		tite and pyrite; from 211' to base, from 10%						

FORM S22

RAST \_\_\_\_ ELEV. \_\_\_ AZIM. \_\_\_

### DIAMOND DRILL REPORT

PROPERTY LAVAL-BROWNRIDGE #1

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	HOLE	PURPOSE OF	FINISHED	COMMENCED

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T C C C C C C C C C C C C C C C C C C C	<del>.</del>	7 A A A A A A A A A A A A A A A A A A A		o.	CORE SAMPLES	M.9		
		DRWCX TT TO X	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		to 15% pyrrhotite, pyrite and chalcopyrite as						
		stringers, blebs, nodules, and breccia filling,						
219.4'	2331	RHYODACITE TUFF - fine-grained; pale green-grey to	2201	223'		3-		3% to 5% strgrs
		light grey; closely-packed, discrete tuff	223'	226'		31		=
		particles to 1.0 - 1.5 mm diameter; narrow	2261	229'		ω <u>.</u>		2% to 3% strgrs
		sections have a dacitic 'look'and the	229'	2331		41		3% to 5% strgrs
		entire unit could even be classified as meta-						
		arkose; a few widely-scattered, cream-pink						
		feldspar crystals (to 2.5 mm long), and from						
		226.5' to base, there are a few clear black						
i o		quartz grains to 1.2 mm diameter; moderately						
		to strongly magnetic from top to 222', then						
		weakly to moderately magnetic to base;						
		moderately to strongly carbonatized throughout						
:		- 5% to 10% pyrrhotite, pyrite, and trace of						
		chalcopyrite = 219.4' to 228.5'						
		- 2% to 3% dissem. po,py,tr,cp. = 228.5' to						
		233'						
233'	294.1'	META-ANDESITE TUFF - fine- to medium-grained; dark						
		green to green-grey; weakly to moderately						
		foliated (40° to C.A. @ 243', and 55° to C.A.						
		@ 282'); rare scattered small blue quartz						

#### DIAMOND DRILL REPORT

PROPERTY LAVAL-BROWNRIDGE #1

HOLE NO. LB1-3-78

'				
	HOLE	PURPOSE OF	FINISHRO	COMMENCED

FROM	<b>t</b>	4 6 C B - B T - O		CORE	SAMPLES			
	-		FROM	70	RECOV.	WIDTH	ASSAY	URUCKITICA OT SAMPLE
		259,21 to 260.11, and 262,21 to 264,91		-				
		- 1% to 2% cp,po,py = 243,4' to 253,1', 274,						
		to 278.8' and 288,3' to 289.5'						
294.1'	384'	DIORITE to 'B'-FLOW - medium-grained; dark to						
		medium green, somewhat mottled with blacks				- !		: : : : : : : : : : : : : : : : : : : :
		and pale green-greys; generally non-foliated						
		and quite uniform; probably diorite, parti-						
		cularly as lines up with discordant diorite						
		body mapped in outcrop, but the Hollinger						
		'B'-flow classification may apply as it means						
		a sill-like basic flow that may, in part, be						
		intrusive; scattered blue quartz 'eyes'						
		throughout (up to 1.5 mm diameter); felsic						
		grains and aggregates are commonly 2.5 mm	!		ļ 			
		across, and they are mixed with felted white						
		feldspar laths (up to 2.5 by 0.5 mm) and						
		black to dark green amphibole grains up to						
		5 mm diameter; the section from the top to						
		297' is possibly a chill or transition zone						
		as it is progressively finer-grained and						
		better-foliated toward the top; a finer-						
		grained, better-foliated section also occurs						
		from 316.7' to 318', and is bordered for 1 foot						

NORTH \_\_\_\_\_

DIAMOND DRILL REPORT

HOLE NO. LB113-/8

	PROPERTY				
	LAVAL-BROWNKIDGE #1				DIAMOND DRICE REPORT
		KOI M	PURPOSE OF	FINISHED	COMMENCED

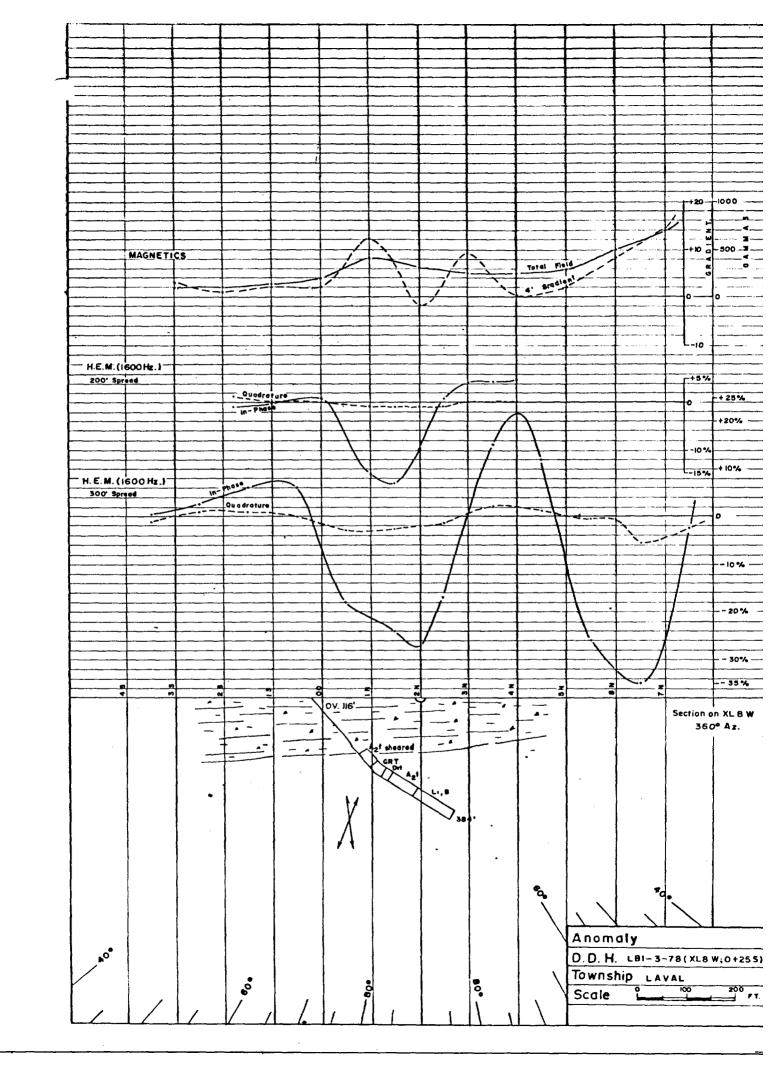
			м			
FROM	DESCRIPTION	FROM TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	on either side by similar fine-grained material					
	speckled with coarse black to dark green					
	amphibole crystals; yet another fine-grained					
	and better-foliated section occurs from					
	341.5' to 357.5' and is slightly bleached	_				
	from 344' to 348.6' due to 5%-10% narrow			·		
	white-grey quartz-carbonate veinlets; the					
	entire unit is cut by 3% to 5% narrow white-					
	grey quartz-carbonate gash stringers, usually		_			
	@ 350 to C.A., and many with a few tiny blebs					
	of chalcopyrite; fractures and narrow quartz-					
. !	carbonate veinlets cut the core subparallel					
	to the C.A. and @ 35° to C.A. from 310' to					
	311'; white quartz-carbonate veinlets (from				22: 40:	
	15 to 35 mm wide) with traces of breccia cut					
	the core @ 311.8' (65° to C.A.), 330' (40° to	-				
-	C.A.), 354.2' (50° to C.A.), 357' to 358'					
	(20° to C.A. and subparallel), 371.2' (25° to					
	C.A.), and 377' (10° to C.A.); weakly magnetic					• :
	from approximately 295' to about 340'; folia-					
	tion angles, where present, are 50° to C.A. @					
	351' and 35° to 40° to C.A. @ 330'; in more					
	chloritic sections, up to 2% chalcopyrite is					
	commonly disseminated along hairline slips and					

HOLE NO. LBIT-3-

LB1-3-78

EAST \_\_\_\_\_
ELEV. \_\_\_\_
AZIM. \_\_\_\_ PROPERTY\_\_ LAVAL-BROWNRIDGE #1 FINISHED \_\_\_\_ HOLE -

11					CORE	SAMPLES			
ı	FROM	70	ロ門がのおしませる。	FROM	TO RE		WIDTH /	ASSAY	DESCRIPTION OF SAMPLE
			minor quartz-carbonate stringers						
<b>i</b> 1							_		
			- 3% to 7% po,py,tr.cp = 295' to 296' and						
			ଡ 297.4'						
			- 3% to 5% po,cp,py = 343' to 343.7', and						
			372.8' to 375'				,		
			- 2% to 5% cp,tr.po,py 346.2' to 350.2' and						•
. 1			354.3' to 355.7'						
			- 2% to 3% py,po,tr.cp = 323.9' to 324.1', @						
			324.8', 330' to 330.6', 337.7' to 338.2',						
1			and 383' to 384'						
1			- 1% to 3% cp,tr.py,po = 340.8' to 343'						
. 1			- 1% to 2% cp,py,po = 302.4' to 302.8', 306.9'						
			to 308', @ 320.9', 330.6' to 335.5',						
			350.2' to 354.3', 359' to 360.8', and					/	
ı			370.2' to 371.3'.	P	NON WOOD	\ \	to but - 22	10,40	
	•			18		م\ <i>اچْ</i>		OK OK	
				G PAUL J.	BAT	EWAN & IEE	P. J. BATEMAN	MAN	
				12		8/1/8	times	ンル	
			E.O.H 384'		5()		OLAN OLAN	WALE OF	
					(tio		10 33	V	
u									



Plan of DOH LB1-3-78 K449697 K 449700

LAVAL TOWN SHIP

STANT FEB 20/18

FINISH MAN 4/18 LENGTH 384'

DIA of Cone 1.44" Dip -50°

Wine Line Boon Az 360°

Commone Bradley Bres

Timmen

12+00N

NORTH

# DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

	HOLE	PURPOSE OF	TINISHED	COMMENCED
in vicinity of Pb-Ag-Zn showing	to test electromagnetic conductor		March 9, 1978	March 5, 1978

Delian   480   140   1	M	EAST	XL 4E					FINISHED	ED March 9, 1978
TOOL, -42°L 450'L -40°  TO DESCRIPTION  DESCRIPTION  DESCRIPTION  DESCRIPTION  PROM TO RECOV. WIGHT AMAY  SUMMARY LOG  22' OVERBUILDEN  152.7' META-ANDESITE THEF -3315"-99.9' - Refres of graded darkite to -127.7'-145.5' - WATA-NOBERTE THEF  166.6' RHYODACITE TO RHYOLITE THEF  107.6' GRAPHITIC THEF and RHYOLACITE THEF  129.4' META-ANDESITE THEF -129.4' META-ANDESITE THEF -129.4' META-ANDESITE THEF -131.5' GRAPHITIC THEF and RHYOLACITE THEF -131.5' GRAPHITIC THEF AND		3 <	Surface 360° az. -49°; 150': -44.5°;	AL-	WNRIDGI			PURPO	to tes
SUMMARY LOG  221 OVERBURDEN  152.7' META-ANDESTTE TUFF - 151.5' - 121.7' - 125.5' - 2011-2011R-2014R-2	1 !		: -42°; 450': -40° BQ C	ore				Dr	illed by: Bradley Bros.
SUMMARY LOG  22' OVERBURDEN  152.7' META-ANDESITE TUPE  152.7' META-ANDESITE TUPE  153.2' META-ANDESITE TUPE  163.2' META-ANDESITE TUPE  166.5' REMODACITE to RHYGLITE TUPE  166.5' META-ANDESITE TUPE  197.8' GRAPHITIC TUPE and RHYGDACITE TUPE  197.8' GRAPHITIC TUPE and RHYGDACITE TUPE  197.5' INTERCHATED HEYGDACITE TUPE  207.5' INTERCHATED HEYGDACITE TUPE  197.5' INTERCHATED HEYGDACITE TUPE  197.5' META-ANDESITE TUPE  197.5' META-ANDESITE TUPE  198.3' GRAPHITIC TUPE  197.5' INTERCHATED HEYGDACITE TUPE-RESCIA AND GRAPHITE TUPE  197.5' INTERCHATED HEYGDACITE TUPE-RESCIA AND GRAPHITE TUPE  198.3' GRAPHITIC TUPE AND GRAPHITE TUPE  198.3' GRAPHITIC TUPE  197.5' HYGRACHATED HEYGDACITE TUPE-RESCIA AND GRAPHITE TUPE  198.3' GRAPHITIC TUPE  198.3' GRAPHITIC TUPE  198.5' REPOLATED HER AND GRAPHITE TUPE-RESCIA AND GRAPHIT							LES		
SUMMARY LOG  22' OVERBURDEN  152.7' META-ANDESITE TUFF  - 33.5'-39.9' - series of graded dacite to  - 132.2'-145.5' - whyodacite tyff_beds_chist (or  - 132.2'-145.5' - whyodacite tyff_beds_chist (or  - 165.6' RHYODACITE TOFF  166.6' RHYODACITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  197.8' GRAPHITIC TUFF and RHYODACITE TUFF  1245.6' GRAPHITIC TUFF and RHYODACITE TUFF  1261.7' META-ANDESITE TUFF  127.1' A07.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  1381.3' GRAPHITIC TUFF - 45° to C.A.  107.5' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGIOMERATIC TUFES  1381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositio  1404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1406.5' RHYOLITE to RHYODACITE  1475' META-ANDESITE  E.O.H 475'	NO N	70	ESCRIP	FROM		RECOV.	міртн	ASSAY	DESCRIPTION OF SAMPLE
22' OVERBURDEN  152.7' META-ANDESITE TUFF  - 33.5'-39.9' - Series of graded darite to  - 132.2'-145.5' - whydacite tuff beds.chist (or  158.6' RHYODACITE to RHYOLITE TUFF  163.2' META-ANDESITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  1229.4' META-ANDESITE TUFF  1245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  1261.7' META-ANDESITE TUFF  1307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  1307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  1307.5' INTERCALATED RHYODACITE TUFF - 45° to C.A.  - qtz-cemented breccia zone @ 30° to C.A. from  1404.4' FELSIC AGGLOMERATIC TUFES  1404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1406.5' RHYOLITE to RHYODACITE  1475' META-ANDESITE  150 OVERBURDEN  161.7' META-ANDESITE  162.7' META-ANDESITE  163.6' RHYOLITE to RHYODACITE  164.6' RHYOLITE to RHYODACITE  165.5' RHYOLITE to RHYODACITE  166.6' RHYODACITE  166.6' RHYOLITE to RHYODACITE  166.6' RHYO									
22' OVERBURDEN  152.7' META-ANDESITE TUFF  - 33.57-39.9' - SEVIES OF graded dacite to  - 132.27-145.5' - whyodacite tuff beds schist (or interflow metasediment?)  168.6' RHYODACITE TOFF  168.5' META-ANDESITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  1229.4' META-ANDESITE TUFF  245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  261.7' META-ANDESITE TUFF  307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  335.3' GRAPHITIC TUFF - 45° to C.A.  - qtz-cemented breccia zone @ 30° to C.A. from all accidence TUFF-BRECCIA and AGGLOMERATIC TUFFS  362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS  381.3' AQUAGENE TUFF-BRECCIA - overall dacitic composition and AGGLOMERATE - fragments to 25 by 10 mm  404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  405.5' RHYOLITE to RHYODACITE  E.O.H 475'									
152.7' META-ANDESITE TUFF  - 33.5'-39.9' - Series of graded dacite to - 132.2'-145.5' - well-folia telff bedschite to - 132.2'-145.5' - well-folia telff bedschite to - 132.2'-145.5' - well-folia telff bedschite (or - 168.6' RHYODACITE to RHYOLITE TUFF  168.5' META-ANDESITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  1293.4' META-DACITE  1245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  1307.5' INTERCALATED RHYODACITE APPLIE TUFF  1307.5' INTERCALATED RHYODACITE APPLIE TUFF  1312-1  1362.9' AGGLOMERATIC TUFF  1362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFES  1404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1405.5' RHYOLITE to RHYODACITE  1475' META-ANDESITE  150.1 475'  160.5' RHYOLITE TUFF-BRECCIA - OVERALL AGGLOMERATE  160.5' RHYOLITE TUFF AGGLOMERATE - FRAGMENTS to 25 by 10 mm  170.5' META-ANDESITE	0	22'	OVERBURDEN						
- 33.5'-39.9' - Series of graded decide to rhydacite tuff_beds 132.2'-145.5' - well-foliated mica senist (or interflow metasediment?)  158.6' RHYODACITE TOFF  166.6' RHYODACITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF  129.4' META-ANDESITE TUFF  129.4' META-DACITE  129.5' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  1261.7' META-ANDESITE TUFF  1307.5' INTERCALATED RHYODACITE and GRAPHITE TUFF  1307.5' INTERCALATED RHYODACITE and GRAPHITE TUFF  1307.5' INTERCALATED RHYODACITE and GRAPHITE TUFF  1308.3' GRAPHITIC TUFF - 450 to C.A.  1312' to 312.2'  1361.3' AGUAGENE TUFF-BRECCIA - overall dacitic composition  1404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1475' META-ANDESITE  E.O.H 475'	22'	152.7'	TUFF	<i>±</i>					
" 158.6' RHYODACITE to RHYOLITE TUFF  166.6' RHYODACITE TUFF  186.5' META-ANDESITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF  229.4' META-ANDESITE TUFF  245.6' GRAPHITIC TUFF and RHYODACITE TUFF  261.7' META-ANDESITE TUFF  307.5' INTERCALATED RHYODACITE LAPILLI TUFF  307.5' GRAPHITIC TUFF - 45° to C.A.  335.3' GRAPHITIC TUFF - 45° to C.A.  404.4' FELSIC AGGLOMERATE TUFES  404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1460.5' RHYOLITE to RHYODACITE  1475' META-ANDESITE  15.1' AGGLOMERATE - FRAGments to 25 by 10 mm  16.5' RHYOLITE to RHYODACITE  17.1' META-ANDESITE  18.5' META-ANDESITE  19.1' AFTELSIC AGGLOMERATE - FRAGments to 25 by 10 mm  19.1' META-ANDESITE  19.1' META-ANDESITE  19.1' META-ANDESITE			33.5'-39.9' - se						
HYODACITE to RHYOLITE TUFF  163.2' META-ANDESITE TUFF  196.6' RHYODACITE TUFF  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  197.8' META-DACITE  197.8' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  197.5' INTERCALATED RHYODACITE and GRAPHITE TUFF  197.5' INTERCALATED RHYODACITE and GRAPHITE TUFF  197.5' INTERCALATED META-ANDESITE TUFF  198.5.3' GRAPHITIC TUFF - 45° to C.A.  198.3' GRAPHITIC TUFF - 45° to C.A.  198.3' ACCIOMERATIC TUFFS  198.3' AQUAGENE TUFF-BRECCIA overall dacitic composition  199.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  199.4' AT5' META-ANDESITE  199.5' META-ANDESITE  199.6' META-ANDESITE  199.7' META-AN			132.2'-145.5' - we	$\sim$					
' 163.2' META-ANDESITE TUFF ' 186.5' META-ANDESITE TUFF ' 197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A. ' 229.4' META-DACITE ' 245.6' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A. ' 307.5' INTERCALATED RHYODACITE LAPILLI TUFF ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS ' 335.3' GRAPHITIC TUFF - 45° to C.A qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2' 362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFES ' 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm ' 460.5' RHYOLITE to RHYODACITE ' 475' META-ANDESITE  E.O.H 475'	152.7'	158.6'	to RHYOLITE						
' 186.5' RHYODACITE TUFF ' 186.5' META-ANDESITE TUFF ' 197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A. ' 229.4' META-DACITE ' 245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFF ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS ' 335.3' GRAPHITIC TUFF - 45° to C.A qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2' 362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and ACGLOMERATIC TUFFS ' 404.4' FELSIC AGGLOMERATE - overall dacitic compositic PLACION RHYODACITE ' 460.5' RHYOLITE to RHYODACITE  ' 475' META-ANDESITE  E.O.H 475'	158.6'	163.2'	META-ANDESITE TUFF						
1 186.5' META-ANDESITE TUFF 1 197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A. 1 229.4' META-DACITE 1 245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF 1 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFF 1 335.3' GRAPHITIC TUFF - 45° to C.A. 1 335.3' GRAPHITIC TUFF - 45° to C.A. 2 12' to 312.2' 362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS 2 104.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm 2 460.5' RHYOLITE to RHYODACITE 3 1475' META-ANDESITE 4 475' META-ANDESITE 4 25° TO TUFF-BRECCIA - OVERAL DESITE TUFF-BRECCIA and AGGLOMERATE - FRAGMENTS to 25 by 10 mm 4 460.5' RHYOLITE TO RHYODACITE	163.2'	166.6'	RHYODACITE TUFF						
' 197.8' GRAPHITIC TUFF and RHYODACITE TUFF - 40° to C.A.  ' 229.4' META-DACITE  ' 245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  ' 261.7' META-ANDESITE TUFF  ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  ' 335.3' GRAPHITIC TUFF - 45° to C.A.  - qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2'  362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC THEES  ' 381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  ' 460.5' RHYOLITE to RHYODACITE  HETA-ANDESITE  E.O.H 475'	166.6'	186.5'	META-ANDESITE TUFF						
' 229.4' META-DACITE  ' 245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  ' 261.7' META-ANDESITE TUFF  ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  ' 335.3' GRAPHITIC TUFF - 45° to C.A.  - qtz-cemented breccia zone @ 30° to C.A. from 312.2'  - 10.312' to 312.2'  INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS  ' 362.9' AGGLOMERATIC TUFFS  ' 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  ' 460.5' RHYOLITE to RHYODACITE  ' 475' META-ANDESITE  E.O.H 475'	186.51	197.8'	and RHYODACITE TUFF - 40° to	1.					
245.6' GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF  261.7' META-ANDESITE TUFF  307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS  335.3' GRAPHITIC TUFF - 45° to C.A.  qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2'  362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGIOMERATIC TUFES  381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic 404.4' FELSIC AGGIOMERATE - fragments to 25 by 10 mm  460.5' RHYOLITE to RHYODACITE  E.O.H 475'  E.O.H 475'	197.8'	229.4'	META-DACITE						
' 261.7' META-ANDESITE TUFF ' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS ' 335.3' GRAPHITIC TUFF - 45° to C.A. ' 335.3' - qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2' 362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and ACGLOMERATIC TUFFS ' 381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic ' 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm ' 460.5' RHYOLITE to RHYODACITE ' 475' META-ANDESITE  E.O.H 475'	229.41	245.6'	and RHYODACITE LAPILLI						
' 307.5' INTERCALATED RHYODACITE and GRAPHITE TUFFS ' 335.3' GRAPHITIC TUFF - 45° to C.A qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2' 362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS ' 381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic ' 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm ' 460.5' RHYOLITE to RHYODACITE  ' 475' META-ANDESITE  E.O.H 475'	245.6'	261.7'	META-ANDESITE TUFF						
GRAPHITIC TUFF - 45° to C.A.  - qtz-cemented breccia zone @ 30° to C.A. from 312' to 312.2'  362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS  1 381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  1 460.5' RHYOLITE to RHYODACITE  1 475' META-ANDESITE  E.O.H 475'	261.7'	307.5'	and GRAPHITE						
362.9' INTERCALATED META-ANDESITE TUFF-BRECCIA and AGGLOMERATIC TUFFS  ' 381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic ' 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm  ' 460.5' RHYOLITE to RHYODACITE  ' 475' META-ANDESITE  E.O.H 475'	307.5'	335.3'	- 450 to C.A.  ed breccia zone @ 300 to	from					
381.3' AQUAGENE TUFF-BRECCIA - overall dacitic compositic 404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 mm 460.5' RHYOLITE to RHYODACITE 475' META-ANDESITE  E.O.H 475'	335.31	362.9'	META-ANDESITE TUFF-BRECCIA						
404.4' FELSIC AGGLOMERATE - fragments to 25 by 10 460.5' RHYOLITE to RHYODACITE 475' META-ANDESITE  E.O.H 475'	362.9'	381.3'	- overall dacitic	osition					
460.5' RHYOLITE tO RHYODACITE  475' META-ANDESITE  E.O.H 475	381.3'	404.4'	AGGLOMERATE - fragments to 25 by 10	а 					
475' META-ANDESITE E.O.H 475	404.4'	460.5'							
Е.О.Н. — 475	460.51	475'	META-ANDESITE						
- 475									
i			- 475						

NORTH

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EAST XL 4E

SURFACE

AZIM. 3600 az.

COllar: -490; 150': -44.50;

300': -42.00; 450': -400

### DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

FINISHED COMMENCED March 5, 1978 March 9, 1978

PURPOSE OF to test electromagnetic conductor

in vicinity of Ph-Ag-Zn showing

PROPERTY\_ LAVAL-BROWNRIDGE #1

ı	300	K-449558 BQ Core					Drilled	led by: Bradley Bros.
	•			C	CORE SAMPLES	ES		
FROM	70		FROM	10	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
-							Cu Zn ppm ppm	
0,	22'	OVERBURDEN - Casing to 23'						
22'	152.7'	META-ANDESITE TUFF - fine- to medium-grained;	22 '	24 1		21	Tr. Tr.	3%-5% strgrs
		medium to dark green, and very similar to like	241	271		ω <u>.</u>	=	50%-60% strgrs
		units described in previous holes (though	27'	30 <b>'</b>		31	=	5%-7% strgrs -
		generally less well-foliated); foliations to	30'	341		41	=	•
		C.A. are 450 @ 36', 450 @ 64.8', 300 @ 101',						
		450 @ 105', and 52 <sup>0</sup> @ 139.5'; there are a very	40'	451		51	=	5%-10% strgrs
		few scattered small blue quartz 'eyes' and no	45'	47'		21	=	10%-15% strgrs
		visible sign of garnets; the unit is moderately	471	50'		31	=	3%-5% strgrs
		carbonatized from the top to 37', 82.5' to 102',	50'	52'		21	=	50%-60% strgrs
		and 132.2' to 149'; strongly magnetic throughout	52'	57'		51	=	3%-5% strgrs
		except for sections from 33.5' to 39.9', 114.5'	57'	621		51	=	5%-7% strgrs
		134.3', and quartz veins in fact, from	621	67'		51	=	a a
		148.5' to base, magnetite blebs are scattered	67 '	70'		31	=	3%-5% strgrs
		throughout, and are commonly rimmed by pyrrho-	70'	73 '		31	=	r
		tite; phlogopite and/or biotite is commonly	73'	781		5 1	=	=
		present, and is particularly heavy from 23' to	78'	83'		5 1	=	5%-7% strgrs
		24.7', 33.5' to 39.9', 44.5' to 47', 82.3' to	831	88 1		51	" "	5%-10% strgrs
		95.6', approx. 99.5' to approx. 102', 132.2' to	881	93'		51	=	5%-7% strgrs
		145.5' (well-foliated mica schist, and possibly	931	981		51	=	40%-50% strgrs
		an interflow metasediment? - from top to 142.8',	98'	100'		21	=	80%-90% strgrs
		sulphides are mainly along qtz-carb veinlet	100'	102'	-	2'	=	20%-30% strgrs

#### FORM S22

DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

AZIM.	ELEV.	EAST	NORTH	

PROPERTY\_\_\_\_LAVAL-BROWNRIDGE #1

COMMENCED FINISHED FURPOSE OF HOLE

FROM	70	DESCRIPTION	FROM	70 0	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		margins - from 142.8', there is less mica, and					Cy Zn	
		simply a well-foliated andesite tuff), and						- :
_		147.6' to 148.5'; the unit is cut by several	102'	107'		51	Tr. Tr.	5%-7% strgrs
		chloritic slips subparallel to the C.A.; white	107'	112'		51		7
		quartz veins (with carbonate only on margins)	1121	1171		51	=	11
		occur from 24.7' to 26.5' (@ 25° to 30° to C.A.)	1171	1221		51	=	3%-5% strgrs
		40.4' to 40.6' (@ 50° to C.A.), 45.2' to 45.5'						
		(55° to 60° to C.A.), 50.5' to 51.8' (35° to 40°	1271	1311		1,1	=	3%-5% strgrs
		to C.A.), 83.8' to 84.2' (approx. 40° to C.A.),	1311	134 1		31	2	30%-40% strgrs
		95.6' to 101.6' (25° to 40° to C.A.) (no galena	134 1	1361		21	=	25%-30% strgrs
		visible on upper contact 'though traces in	1361	141		51	=	10%-15% strgrs
		cracks throughout, especially lower half - 5% to	1411	1451		141		2%-3% strgrs
	•	10% po,py,tr.cp and gn in mica-rich, schistose	1451	1481		31		60%-70% strgrs
		andesite tuff section from 98.7' to 99' - and a	1481	1531		51		5%-7% strgrs
		considerable amount from 99.5' to base), 131.4'						
		to 132.3' (@ 40° to C.A.) (no visible gn on						
		either contact), 134.8' to 135.6' (@ 25° to C.A.)						
		(galena on both contactsand some orange-						
		pink feldspar), and 145.6' to 147.6' (@ 50° to						
		C.A.) (some fracture-breccia with 75% to 80%	_					
		veining and considerable cp and gn throughout);						
		narrow quartz-carbonate vein subparallel to C.A.						
		from 122.3' to 127'; sulphide distribution is						
		detailed below (po and cp as specks, and in						

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### DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

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PURPOSE OF			

PROPERTY\_\_\_\_

LAVAL-BROWNRIDGE #1

				0	CORE SAMPLES	ES		
FROM	10	DESCRIPTION	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		blebs up to 4 mm across - commonly with chalco-						
		pyrite marginal to the pyrrhotite)						
		- 33.5' to 39.9' - series of graded dacite to						
		rhyodacite tuff beds from 0.3' to 1.2'						
		wide; sharp contacts @ 400 to C.A.; tops up	•					
		hole; considerable disseminated fine phlo-						•
**4		gopite and/or biotite						
		- 10% po,cp,gn = @ 46', 51.2' to 52.2' (cp more				_		
		abundant in lower part; all sulphides coarse	•					
		on qv margins (up to 6-7 mm)						
		- 5% to 7% dissem. po,py,cp,tr.gn = top to 24.7'						
		26.5' to 34', 68'-71', 78'-107.8' (except qv	)					
		- 3% to 7% dissem. po,py,cp,tr.gn and sp(?)						
		= 39.9' to 68', 71' to 78', 107.8' to 121.2',						
	_	127' to base						
		- 2% to 5% po,py,gn(?),sp(?) and tr.cp = 24.7						
		to 26.5'						j.
		- 2% to 3% po,py,tr.cp and sp(?) = @ 37.5'						
		- 1% to 3% po,py,tr.cp = 34' to 39.9' and 121.2'						
		to 127'						
152.7'	158.6'	RHYODACITE to RHYOLITE TUFF - very fine-grained;	1:531	1581		51		3% to 5% strgrs
		medium to light grey; faint suggestion of graded						
		bedding (tops up hole), with fine dark grey						

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#### DIAMOND DRILL REPORT

PROPERTY\_\_\_

LAVAL-BROWNRIDGE #1

HOLE NO. LB1-4-78

	HOLE	PURPO	FINISHED	COMMENCED
!		PURPOSE OF		

				,	CODE CANDIFE			
FROM	70	D N S C R I P T I O N	FROM	70	RECOV.	HTGIW	ASSAY	DESCRIPTION OF SAMPLE
		upper beds particularly concentrated in fine						
		eminated pyrrhotite; 3% to 7% fine						
		hout section						
		and along hairline fractures cross-cutting						
		foliation; some scattered biotite and/or phlogo-						
		pite lending a metasedimentary 'look' to unit;						
		weak breccia @ base; upper and lower contacts						
		sharp and distinct @ 40° to 50° to C.A.;						
		foliation @ 40° to C.A. @ 157'.						
•								
158.6'	163.2'	META-ANDESITE TUFF - similar to unit @ top of hole;						
		weakly to moderately magnetic; from 158.6' to						
		160.4' are narrow zones with medium-spaced,						
	•	white, carbonate, subrounded amygdules(?)(to 4						
		mm diameter) every 0.6' or so; from 160.4' to						
		base, the unit features considerable biotite						
		and/or phlogopite, less sulphides, and weaker						
		magnetism						
		- 3% to 7% po,py,cp,tr.gn from top to 159.4'						
		- 1% to 2% po,py,tr.cp from 159.4' to base						
		(except for narrow qcv @ 162' and 162.4')						
163.2'	166.6'	RHYODACITE TUFF - fine-grained; alternate bands of	1631	1661		31		5%-7% strgrs
		medium grey rhyodacite tuff with light green						

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#### FORM S22

RAST \_\_\_\_\_
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DIAMOND DRILL REPORT

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PROPERTY		

LAVAL-BROWNRIDGE #1

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				c	CORE SAMPLES	ES		
ROM	70	DESCRIPTION	FROM	70		WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	٠	andesite tuff - bands from 12 to 25 mm true						
		race of graded bedding with tops						
		ine speckled su						
		especially in narrow dark grey sections and	,					
		green andesitic sections parallel to foliation						
		(sharp and distinct @ 400-450 to C.A.); weakly						
	:	magnetic						
		- 7%-10% po,py,tr.cp - 163,8' to 165.1'						
				3		•		
		to moderately magnetic;	1711	1761		51		3%-5% strgrs
		carbonatized from 174' to base; from 166.6' to	1761	1811		51		5%-7% strgrs
		167.7' and 169.6' to 169.9' are coarser, medium	1811	1861		51		3%-5% strgrs
		grey tuff sections with a rather high felsic						
		content; from 174.6' to 177.7' is a coarser,						
		medium green, 'ashy', andesitic tuff section;						
		there is considerable biotite and/or phlogopite						
		from 179.1' to 179.1'; from 185.7' to base, the						
		section is speckled with a few equant green						
		amphibole and brown phlogopite crystals up to						
		2.0 mm long; broken and blocky from top to 175'						
		by chloritic slips subparallel to C.A.						
		- 5% to 7% po,tr.py & cp = 167.8' to 169.4'						
		- 3% to 5% po, by and variable cp = $170.8$ ' to	<u> </u>					

ELEV. AZIM.

PROPERTY\_

LAVAL-BROWNRIDGE #1

EAST -NORTH

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#### DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

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COMMENCED HOLE PURPOSE OF

186.5' FROM 197.81 ð 7 GRAPHITIC TUFF and RHYODACITE TUFF - fine- to very base; white and grey quartz veins cut the unit - with graded bedding (beds from 9 to 20 mm sections; most heavily graphitic from 193.8' to minor green amphibole speckled throughout felsic minor graphite; considerable phlogopite and clear @ 40° to C.A. at 187' and 40° to C.A. @ distinct @ 40° to 45° to C.A.; foliations also fine-grained; upper and lower contacts sharp and heavier sections detailed below concentrations of fine sulphides as well as true width) showing tops up hole; finer, dark po with traces of py and cp throughout -189.9' to 190' (35° to 40° to C.A.); 3% to 5% from 188.8' to 189' (35° to 40° to C.A.) and grey tops of individual beds contain heavier 163.2' to 166.6' over upper part - down to 191.3 197'; similar to alternating tuff unit from 5%-7% po, minor py, cp 185.3 171.2', 171.9' to 173.2', 174.2' to 174.6', 189.1'-190.1', 191.3'-191.8', 193.5'-194', 175.8' to 178.4', @ 179.5', and 180.8' to DESCRIPTION 187.5' to 188', 1901 1861 FROM 1941 1971 1941 1901 70 CORE SAMPLES RECOV. WIDTH ASSAY 5%-10% strgrs 5%-7% strgrs 3%-5% strgrs DESCRIPTION OF SAMPLE

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195' to base.

NORTH \_\_ EAST \_\_\_\_

AZIM.

#### DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

FINISHED \_\_\_\_\_

HOLE

_AVAL-BROWNRIDGE
#1

PROPERTY\_

FROM	70	DESCRIPTION	FROM	70	RECOV.	нтаім	ASSAY	DESCRIPTION OF SAMPLE
197.8'	229.4'	META-DACITE - fine-grained; green-grey; trends to	1971	200 <b>1</b>		υ •		3%-5% strgrs
		medium-grey rhyodacite in a very few narrow	,200 <b>¹</b>	2051		5%		5%-10% strgrs
		zones; narrow sections near top feature white,	2051	2071		21		50%-60% strgrs
		subrounded, quartz-carbonate amygdules(?)(up to	2071	2091		21		85%-90% strgrs
		1.2 mm diameter); significant white quartz vein	2091	2121		31		
		from 205.7' to 208.8' @ 55° to 60° to C.A.						
		((Galena is present throughout, but especially	2251	2271		21		3% to 5% strgrs
•		on both contacts, and as 20%-30% massive in	2271	2301		31		п
		fracture zone from 207' to 207.6' - also some						
		chalcopyrite)); numerous narrow quartz stringers				·		
		(stringer-breccia) from 208.8' to 211.5'; from						
		base of main quartz vein, there is considerable						
		speckled equant phlogopite and a few green						
		amphibole crystals in a dacite to bleached						
		andesite section (with 1%-2% po,py,tr.cp);						
		moderately carbonatized from 198.5' to 205.7';						
		strongly magnetic @ 201', 222', and 228' to						
		base, white quartz veins from 216' to 216.5'						
		(60° to C.A.) and 217.6' to 217.9' (@ 45° to C.A						
		altered andesitic section speckled with green						
		amphibole, brown-black mica, and pinkish garnets						
		(to 3 mm diameter) from 228' to base - there are						
		also a few blue quartz 'eyes' and numerous fan						
		clusters of white acicular crystals (tremolite?)						

NORTH \_\_\_\_\_\_EAST \_\_\_\_\_\_ELEV. \_\_\_\_\_AZIM. \_\_\_\_\_DIP \_\_\_\_\_

# DIAMOND DRILL REPORT

PROPERTY\_\_\_

LAVAL-BROWNRIDGE #1

HOLE NO.
LB1-4-78

	HOLE	PURPOSE OF	FINISHED	COMMENCED
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FROM	70	DESCRIPTION	NO.	5 0	CORE SAMPLES	MIDTH	ASSAY	DESCRIPTION OF SAMPLE
		in this last section (aroon amphibole starts						
		reasing @ 224.5');						
		phlogopite from 221.5' to 222'; small grey-white						
		quartz veins from 218.8' to 219' (40° to C.A.)						
		- 5% to 10% po,py,tr.cp = 225.6'-226.7'						
		- 5% to 7% po, variable cp & py = 211.4' to						
		211.5', 214.2' to 214.5', 216' to 216.6',						
		and 227.8' to base						
		- 3% to 5% po,py = 220.4' to 220.5'						
		- 2% to 3% po,py = 216.6' to 218.4'						
	-							
229.41	245.61	GRAPHITIC TUFF and RHYODACITE LAPILLI TUFF -	2301	2331		31		3% to 5% strgrs
		fine- to very fine-grained; dark grey to pale	2331	2361		31		11
		green-grey with local brownish-grey mottling;	2361	2401		1,1		5% to 7% strgrs
		foliations clear in upper half (350-400 to C.A.	2401	2451		51		2% to 3% strgrs
		@ 234'; some swirling below); broken throughout,						
		but particularly so from 239' to 241.5' (about						
		1.5' lost core here); strongly magnetic						
		throughout most of unit; coarser fragmental						
		sections have a white-grey matrix which is						
		weakly to moderately carbonatized; sections of						
	-	felsic lapilli tuff (to lapillistone, as						
		coarser fragments are locally abundant) feature						

## DIAMOND DRILL REPORT

PROPERTY\_\_\_

LAVAL-BROWNRIDGE #1

HOLE NO. LB1-4-78

HOLE	PURPOSE OF	FINISHED	COMMENCED

FROM	70	ロボジのカーアゴーOX			CORE SAMPLES	S	DESCRIPTION OF SAMPLE
		Lay.					
		(to 5 mm), and only traces of graphite in the					
		matrix - these sections occur from 233.8' to					
		234.7', 239.6' to 240', and 240.5' to 244.7';					
	***	sections heaviest in graphite are from top to					
		233.5', 236.7' to 239.6', and 245.6' to base					
		- 5%-15% po,py,tr.cp = top to 233.5'					
		- 5%-10% po,py,tr.cp = 233.5' to 240.5', and					
		241.5' to 244.4'					
		- 5%-7% po,py,tr.cp = 240.5' to 241.5'					
		- 3%-7% po,py,tr.cp = 244.4' to base					
245.6'	261.7'	META-ANDESITE 'TUFF' - fine-grained; dark green to	2451	2471		21	3% to 5% strgrs
		green-grey; generally similar to like units					
		above, only foliations are less distinct (500 to	2601	2621		21	3% to 5% strgrs
		C.A. @ 248.5'), there is a section with scattered					
		white, round, quartz-carbonate, amygdules(?)					
	•	(to 8 mm across) from 248.5' to 250', there is					
		a section of relatively heavy biotite/phlogopite					
		from 252.8' to 253.6', and there is an altered					
		section featuring coarse green amphibole					
		crystals (to 4 mm) and pinkish garnets (to 5 mm)					
		from 260,5' to base; weakly to non-magnetic;					
		moderately carbonatized throughout; coarser					

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NORTH \_\_\_\_\_\_EAST \_\_\_\_\_\_ELEV. \_\_\_\_\_AZIM. \_\_\_\_\_DIP \_\_\_\_\_

# DIAMOND DRILL REPORT

PROPERTY\_\_\_

LAVAL-BROWNRIDGE #1

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HOLE	PURPOSE OF	FINISHED	COMMENCED

		- 11		0	CORE SAMPLES	ES		
ROS	70	DESCRIPTION	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		sections from 247' to 248', and 251,2' to 252,8'						
-		to ba						
		li li						
261.7'	307.5'	INTERCALATED RHYODACITE and GRAPHITE TUFFS -	2621	2671		51		2% to 3% strers
		fine- to medium-grained; green-grey to medium						
		grey, with brownish tinge where there is con-	2871	2921		51		2% to 3% strers
		siderable fine phlogopite, and dark grey to						
		black where graphitic; although there is no						
		graded bedding apparent in individual beds						
		(possible slight coarsening down-hole), there						
		appears to be a sequence of very fine- to						
		medium-grained beds - from upper graphitic						
		tuffs and rhyolite, to basal rhyodacite, dacite,						
		and andesitic tuffs - that repeats throughout						
		the unit, and imparts an overall 'graded'						
		bedding (top up hole)the 'upper' beds are						
		yellow-green rhyolite from 264.7' to 265',						
		graphitic tuff from 266.2' to 266.7', yellowish-						
		green rhyolite to bleached dacite from 278.9' to						
		280.8', graphitic tuff from 287.8' to 289.2',			ļ			
		graphitic rhyolite tuff from 290.7' to 291.7'						

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DIAMOND DRILL REPORT

LAVAL-BROWNRIDGE #1

PROPERTY\_

HOLE	PURPOSE OF	COMMENCED

HOLE NO. LB1-3-78

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	3	η		co	CORE SAMPLES	Š		
			FROM	70	RECOV.	HTGIW	ASSAY	DESCRIPTION OF SAMPLE
		'eyes' - 'though more common from 266' to						
		nd						
		siderable scattered black and brown mica						
-		(biotite and/or phlogopite) from 234' on;						
		weakly to moderately magnetic; moderately to						
		strongly carbonatized from top to 274.6';	-					
		hairline cracks filled with selenite, @ 500						
		to C.A. @ 247.3'; a 16 mm wide zone of white-						
		grey quartz-carbonate vein-breccia cuts the						
		core @ 60° to C.A. @ 267.6' (with 5%-7% dissem						
		po,py,cp); a narrow quartz-carbonate veinlet						
		@ 288' is enveloped in fine brown phlogopite,						
		and there is considerable fine phlogopite			•			
	•	from 291' to base; there is 20% to 50% quartz-						
		carbonate veining with minor breccia from						
		292.1' to 292.4', and a white quartz vein						
		cuts the core @ 450 to 500 to C.A. from						
		293.4' to base (1% to 2% small blebs of						
		pyrite and chalcopyrite along its margins)						
		- 233' to 247' - a section of dark green						•
		chloritic andesite to dacite						
		- 3% to 7% po,py,cp = 266' to 268'						
		- 3% to 5% po,py,tr.cp = 233' to 234.5', 237'						
		to 238', 242' to 243.4', 253.1' to 254',						

### DIAMOND DRILL REPORT

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LAVAL-BROWNRIDGE #1

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HOLE	PURPOSE OF .	FINISHED	COMMENCED	HOLE NO.

				6	CORE SAMPLES	83		
FROM	то	ロ所はのおーサイーのス	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		and @ 298,3'; coarser, green andesitic sections						
		from 269.8' to 270.						
		293.6' to 295', and 299.5' to 300.6' (with pink				:		
		garnets); these sequences are generally non to						
		weakly carbonatized @ tops, becoming moderately	•				====	
	•	to strongly carbonatized in coarser basal 'beds'		•				
		strongly magnetic from 266.2' to 266.7' and						
		268.5' to 269' - moderately magnetic from 269'				•		
		to 273', and weakly to moderately magnetic from						
		293.6' to 295'; a foliated section with con-						
		siderable biotite/phlogopite and a few scattered						
		blue quartz 'eyes' from 281' to 287.8';						
		foliations locally make clear and sharp angles				·		
		to the C.A. (35° @ 266.2', 45° @ 271', 50° @						
		282', and 45° @ 298')						
		- 5% to 10% po,py,cp = top to 262.8' and 266.2'						
		to 266.7'						
		- 5% to 7% po,py = 268.8' to 269.2', 269.8' to						
		270.5', 287.8' to 289.2', 290.4' to 292',						
		293.5' to 295'						
		-3% to 7% po,py = 298' to 301.5', and 306.4'						
		to 307.5'						
		- 3% to 5% po,py = 270.5' to 273' (in narrow						
		seams), 276.9' to 277.4', and 284.9' to 285.4'	1					

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### DIAMOND DRILL REPORT

LAVAL~BROWNRIDGE #1

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307.5' FROM 335.3' 5 GRAPHITIC TUFF - fine- to very fine-grained; dark with narrow graphite seams), and fractured grey to black; similar to previous graphitic ı - 5%-15% disseminated and stringer pyrrhotite, magnetic where sulphides heaviest; upper and white quartz-carbonate stringers; strongly medium grey rhyodacitic sections from 321.2' to detailed below; heavily graphitic except for tuff sections - with sulphide distribution core in unit (mainly from top to 321'); strong considerable broken core and approx. 7' lost 312' to 312.2' qtz-cemented breccia zone @ 30° to C.A. from locally sharp and distinct (450 to C.A. @ 327.5' lower contacts sharp but indistinct; foliations carbonatized except for a very few narrow greylight grey rhyolite from 332.8' to 333.6'; non-322.3', 324' to 324.6', 327' to 330.5' (banded 2% to 3% po,py = 269.2' to 269.8' 2% to 5% po,py = 262.8' to 266.2', and 266.7' ç pyrite and trace of chalcopyrite = 307.5'-268.8 DESCRIPTION 307.5 326.5 332.5 330.5 312.5322.5 FROM 326.5 330.5 322.5 312.5 335.5 332.5 7 CORE SAMPLES RECOV. Lost 0.51 5.5 1.01 HTGIW 101 <u>ح</u> 2 41 سٍ م ASSAY 50 3% to 5% strgrs 3% to 5% strgrs 5% to 7% strgrs to 7% strgrs = DESCRIPTION OF SAMPLE

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HOLE NO. LB1-4-78

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# DIAMOND DRILL REPORT

PROPERTY\_\_\_

LAVAL-BROWNRIDGE #1

HOLE NO.
LB1-4-78

17.

	HOLE	PURPOSE OF	FINISHED	COMMENCED _

FROM	70	DESCRIPTION	FROM	70 00	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		the unit is strongly magnetic throughout except						
		a weakly to moderately magnetic secti	4581	1611		31		10% to 15% strers
		from 435' to 451'; non-carbonatized; quartz-						;
		carbonate-cemented breccia from 456.3' to base;						
		also white quartz veins from 442' to 442.4'	•					
		(@ $20^{\circ}$ to C.A with some galena), and $452'$ to						
		453.1' (@ 60° to C.A with some orange-pink						
		chert or feldspar, and some galena)						
		- 5% to 15% py,po,cp and gn (galena with narrow						
		qv @ 448' and 451.4') = 455.5' to base						
	•	- 3% to 7% py,po, variable cp and gn = 436.8' to		•				
		440', 447.4' to 455.5'						
		- 3% to 5% py, variable po, tr.cp and gn = 404.4	,					
		to 424', 428' to 436.4' (heavier @ 432.7'),						
,		and 441' to 443.3'						
		- 2% to 3% py = 445.2' to 447.4'						
460.5'	4751	META-ANDESITE - fine-grained; dark green to green-						
		grey; a few scattered subrounded light green-						
		grey amygdules(?) (to 5 mm across); variably						
		magnetic (weak to strong); weakly to moderately						
		carbonatized along a few narrow white seams;						
		sulphide distribution detailed below:						
		- 3% to 7% py, po = top to 462.6'						

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LAVAL-BROWNRIDGE #1 .

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DIAMOND DRILL REPORT

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HOLE NO.	
LB1-4-78	

16.

FURPOSE OF HOLE

				c	CORE SAMPLES	3		
FROM	70	D M S C R - P T - O R	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		a few scattered pink garnets throughout,						
		in l						
			:					
		- 3% to 5% py, tr.po, gn? = top to 384.3'						
		tr.cp =						
		to 400', and 402.2' to 403'						
		- 1% to 3% py = $384.3$ ' to $392.7$ ', and $403$ ' to base:			·			
404.41	460.5	RHYOLITE to RHYODACITE - fine- to very fine-grained;						
		light grey to bluish grey; upper section is						
		some disseminated biotite/phlogopite; bluish-grey						
		cherty rhyolite sections from 424' to 424.8',						
		428.5' to 434.5', and 436.4' to 456.3' (this						
		section features closely-packed rounded						
		spherules up to 2 mm diameter); foliations to						
		C.A. are locally distinct (350 @ 425', and						
		650 @ 435'); white quartz veins from 429' to	4281	4331		51		5% to 7% strgrs
		429.5' (@ 40° to C.A,), and 437' to 437.4' (@	433 <b>'</b>	4371		41		50
		250 to C.A also features considerable salmon	<b>437</b> ۱	4421		51		5% to 10% strgrs
		pink cherts or feldspar); sections from 424.8'	4421	1471		51		3% to 5% strgrs
		to 428.5' and 434.5' to 436.4' feature rhyolitic 447'	1471	4521		51		7% to 10% strgrs
		subrounded elongate fragments (to 12 mm long) in	in 4521	4551		31		20% to 25% strgrs
		a fine-grained micaceous andesitic' matrix;	4551	4581		31		7% to 10% strgrs

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### DIAMOND DRILL REPORT

HOLE NO.	
LB1-4-78	

FINISHED	COMMENCE	

PURPOSE OF \_\_\_

PROPERTY\_\_\_\_LAVAL-BROWNRIDGE #1

						to 390.2' (@ 40° to C.A tr. gn on contacts(?));		
						over basal 10 feet; white quartz vein from 390'	•	
					<u>a</u>	strongly magnetic throughout; weakly carbonatized		
						a light grey felsic matrix; moderately to		
						either a light green andesite/dacite matrix or		
						subrounded fragments (averaging 4 by 7 mm) in		
						close-spaced medium grey to dark grey rhyolitic		
						from 387' to 387.7'; rest of unit composed of		
						399.2' to base; medium-grained 'ashy' section		
						andesitic matrix from 387.7' to 390' and		
						rhyolitic fragments (to 25 by 10 mm) in green		
						medium- to close-spaced, subrounded to rounded,		
						local green andesitic matrix; sections with		
						fragments and matrix; dark to medium grey with		
		4.1		3841	3801	FELSIC AGGLOMERATE - generally fine-grained	404.41	381.3'
						to 380'		
						- 1% to 3% py, tr.po = $369.5'$ to $371.6'$ , $376'$		
						to base		
						-3% to $5%$ py, tr.po, $gn? = top$ to $369.5'$ , $380'$		
						- 3% to 7% py, tr.po = 371.6' to 376'		
						show up near the base		
						subrounded fragments and a crude foliation		
						internal fractures); small bluish-grey felsic		
DESCRIPTION OF SAMPLE	ASSAY	HTGIW	RECOV.	то	FROM	ORSCR-PT-OX	10	FROM
		E S	CORE SAMPLES	c				

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EAST \_\_\_\_

#### DIAMOND DRILL REPORT

PROPERTY LAVAL-BROWNRIDGE #1

HOLE NO.
7.BT-4-18

HOLE	PURPOSE OF	FINISHED	COMMENCED	
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			<del></del> ··			381' (@ 60° to C.A fg gn on contacts and		
						to C.A fg gn on contacts), and 380.3' to		
						internal fractures), 370.8' to 371.2' (250-300		
					- 1:3	C.A up to 5% gn, cp, py on contacts and		
						quartz veins from 364.6' to 365.6' (@ 60° to		
						hairline cracks; no apparent foliation; white		
						magnetic; non-carbonatized except along a few		
						spaced throughout; the entire unit is strongly		
						quartz-feldspathic rims are medium- to close-		
5% to 7% strgrs		51		3761	371'	mm - but commonly 7 by 1 mm) with thin white		
10% to 15% strgrs		51	-		3661	dark-grey andesitic fragments (up to 30 by 12		
25% to 30% strgrs		31	-	3661	3631	composition; delicately preserved, angular,		
						distinctive unit with an overall dacitic		
						381.3' AQUAGENE TUFF-BRECCIA - fine-grained; a very	<u> </u>	362.9
			-			357', and 360.5' to 362.7'		
			 			- 1% to 3% py,tr.po = 337' to 339.5', 355' to		
						359.9' to 360.5'		
						350.7', 352' to 352.7', 357' to 358.6',		
						- 3% to 5% py, variable po, tr.cp = 345' -		
						362.7' to base		
						- 3% to 7% py, tr.po, cp, $gn(?) = top to 337'$ ,		
						- 5% to 7% po,py = 339.5' to 339.8'		
						- 5% to 10% py,po,tr.cp = 352.7' to 355'		
DESCRIPTION OF SAMPLE	ASSAY	WIDTH	RECOV.	I O	FROM	DESCRIPTION		FROM
		of ES	CORE SAMPLES			1	_	<u> </u>

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LAVAL-BROWNRIDGE #1

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DIAMOND DRILL REPORT

HOLE NO. LB1-4-78

13.

COMMENCED FINISHED PURPOSE OF HOLE

				00	CORE SAMPLE	4		
FROM	10	O E S C R - T T O Z	FROM	70	RECOV.	HTGIW	ASSAY	DESCRIPTION OF SAMPLE
ונ אננ	וס רשנ	INTERCALATED META-ANDESITE TUFF-BRECCIA and		, 				
00040	2021	AGGIOMERATE TUFFS - fine-grained; green to medium						
		grey matrix/cement with scattered dark to						
		bluish-grey, rhyolitic, subrounded agglomeratic						
		fragments (to 30 by 15 mm) - light green,						
-		angular, dacitic breccia fragments (to 40 mm	3521	3561		41		3% to 7% strgrs
		across) from top to 337.3'; in several sections	3561	3601		14		rs
		(342' to 342.4', 347.6' to 350.3', and 353.6' to						
		355.8') the proportion of agglomeratic fragments						
	-	increases until the rock grades into completely						
		rhyolitic sections; foliations are distinct						
		(50° to C.A. @ 339', 50° to 55° to C.A. @						
		347.5', and 40° to 45° to C.A. @ 361'); the						
		core is non-carbonatized throughout except for						
		a few hairline cracks and narrow stringers;						
		white quartz vein from 358.6' to 359.9' (@450						
		to 500 to C.A minor galena with a trace of						
		cp on contacts); strongly magnetic (speckled						
		with magnetite blebs to 1.0 mm) throughout						
		except for weakly to non-magnetic sections from						
		355' to 360'; lapilli tuff, well-foliated						
		section with pinkish garnets from 338.31 to						
		343.4'; medium-grained 'ashy' section from						
		357' to 358.6'						

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LAVAL-BROWNRIDGE #1

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PURPOSE OF	FINISHED	COMMENCED -	HOLE NO.
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				C .	CORE SAMPLES	23		
FROM	70	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 3% to 5% py, po = 467.5' to base.						
		E.O.H 475'						
		SOCIA	PROFESSION.	SSION	,			
		10 N	ER CO					
		104	G18	NIS				
		O PAUL J. BATEMAN D		TEMPAN T				
		Colombia (and sold)	Juni	ا قار				,
		4	LINCE OF ONTE	D ONTE				
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Plan of DOH LISI-4-78 & LISI-5-78

> LAVAL TOWNSHIP SCALL 1" = 400'

LB1- 4.78

181-5-78

START

MAN. 5/78

MAR 10/20

FINISH

MAR 9/18

Mar 14/23

DIA of CORE

1.44"

BQ Cini

Wine Line

Contractor

Burnley Bros Timmens

J. 63

FORM S22 140' West

DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

HOLE to to	PURPOSE OF	FINISHED	COMMENCED
test o			
150		March	March 1
Lectromagnetic		14, 197	10. 197
c conductor		8	18

NORTH 7+50N

EAST XI. 4E

ELEV. Surface

AZIM. 360° AZ. 70': -490;

DIP COllar: -550; 70': -490;

150': -46.50; 300': -44.50 PROPERTY\_ LAVAL-BROWNRIDGE #1 BQ Core

	1	ВО	Core				Drilled	ed by: Bradley Bros.
				cc	CORE SAMPLES	ES		
R O M	10	DE SC R FT O Z	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
•		SUMMARY LOG		ſ				****
0'	80'	OVERBURDEN						
80'	200.4'	META-ANDESITE						
		- 110.1' to 110.5' - Felsic Tuff?						
200.4'	214.5'	MICACEOUS META-DACITE						
		- 208.6' to 209.1' - Rhyolite						
214.5'	225.5'	META-ANDESITE						
225.51	231.6'	MICACEOUS DACITE to RHYODACITE TUFF						
231.6'	237.2'	META-ANDESITE						
237.2'	247'	MICACEOUS DACITE to RHYODACITE TUFF						
247'	258.51	RHYOLITE to RHYODACITE TUFF; @ 450 to C.A.						
		- 10% to 15% po,py,cp with local massive seams						
		up to 25 mm wide						
258.51	282.3'	META-ANDESITE TUFF						
282.3'	300'	MICACEOUS DACITE to RHYODACITE TUFF						
300 1	366'	META-ANDESITE - mg to cg						
366'	375'	BLEACHED META-ANDESITE to DACITE						
		Е.О.Н 375'						

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DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

	COMMENCED
March	March
14	10,
. 1978	1978

HOLE to test electromagnetic conductor

PROPERTY\_ LAVAL-BROWNRIDGE #1

NORTH 7+50N

EAST XL 4E

ELEV. Surface

AZIM. 360° az.

COllar: -550; 70': -49°;

150': -46,50; 300': -44.5° K-449558 BQ Core Drilled by: Bradley Bros

		K-449558 BQ	Core				ZD	Drilled by: Bradley Bros.
	<b>;</b>			c	CORE SAMPLES	iä		
TX CX	10	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
								•
0	80'	OVERBURDEN - Casing to 87'						
80'	200.4'	META-ANDESITE - fine- to medium-grained; dark green						
		to dark green-grey; some mottling with light						
		greenish-cream feldspar, variable phlogopite or						
		biotite, and scattered blue quartz 'eyes' (to	117'	122'		51		3% to 5% strgrs
		1.5 mm diameter, a few to 9 mm); cut by numerous	122'	127'		5-		5% to 10% strgrs
		narrow white quartz-carbonate seams @ 200 to						
		400 to C.A as well as wider white quartz-						
		carbonate veins (trace of bright green unknown						
a -		mineral) from 95.3' to 95.8' (@ 150 to C.A						
	•	minor po,py), and 125.7' to 126' (@ 150 to C.A.						
		- 3% to 5% po,py,tr.cp); ashy, sericitic,						
		somewhat friable section @ 30° to C.A. from						
		116.7' to 117.1'; locally tuffaceous, but						
-		generally uniform and massive; non to very						
		weakly magnetic throughout except for moderately						
		magnetic sections from 110.1' to 110.5', 170'						
		to 170.5' and 173.2' to 176'; moderately to						
		strongly carbonatized throughout; medium to						
		bluish-grey felsic tuff section (numerous blue						
		qtz 'eyes' - medium-grained - sharp and						
		distinct contacts) @ 30° to C.A. from 110.1' to						

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AZIM.

PROPERTY\_\_

LAVAL-BROWNRIDGE #1

DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

HOLE	PURPOSE OF	FINISHED	COMMENCED	

				8	CORE SAMPLES	Š		
FROM	10	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		to 110.5' (also 3%-5% disseminated pyrrhotite						
		and minor pyrite); up to 1% po and py dissem-	161'	166'		51		5% to 7% strgrs
		inated throughout except for sections with 3%	166'	171'		51		=
		to 7% pyrrhotite and pyrite from 117' to 127'	171'	176'		51		11
		and 161.5' to 176' (minor cp here also), and					·	
		2% to 3% po and py from 141' to 142.5'.						
200.4'	214.5'	MICACEOUS META-DACITE - fine-grained; mottled light						
		grey and dark brown; heavy content of phlogopite						
		throughout - foliations clear and sharp (40° to						
		C.A. @ 208'); narrow section brecciated(?) or						
		minor-dragfolded broken rhyodacite/rhyolite						
		from 204.2' to 204.6' (subrounded fragments up						
		to 30 mm long); section of light grey, very						
		fine-grained, rhyodacite/rhyolite from 208.6'						
		to 209.1' (@ 25° to 30° to C.A very fine						
•		pyrite - 3%-5% - disseminated throughout);						
		moderately to strongly carbonatized throughout;						
		non- to very weakly-magnetic; up to 1%-2% very						
:		fine disseminated pyrite.						
214.5'	225.2'	META-ANDESITE - fine- to medium-grained; medium to						
		dark green; broken core from 217' to 218';						
		non- to weakly-magnetic; non-carbonatized;						

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DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

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PROPERTY LAVAL-BROWNRIDGE #:

#1		KEPUKI
HOLE	PURPOSE OF	COMMENCAD

				C	CORE SAMPLES	55		
3	ō	DESCRIPTION	FROM	70	RECOV.	нтаім	ASSAY	DESCRIPTION OF SAMPLE
		3% to 7% disseminated and streaky pyrite and						
		pyrrhotite; generally similar to top of hole.						
225.21	231.6'	MICACEOUS DACITE to RHYODACITE TUFF - fine-grained;	2281	233 1		5 '		3% to 5% strors
		dark to medium grey; widely-scattered dark						
		green to black amphibole and/or minca 'grains'						
		(to 4-5 mm across) and considerable matrix						
		mica; some suggestions of either an interflow						
		metasediment or a lamprophyre (when dry, the						
		core displays a slight pinkish caste) - however,						
		apart from the mica content, the mineralogy						
		appears similar to rhyodacite tuff-units in						-
		previous holes; upper contact is sharp and				ļ	;	
• .	. :	distinct @ 750 to C.A lower contact is						
		sharp and distinct @ 40° to C.A.; moderately						•
		to strongly carbonatized; non-magnetic; 3% to	,				- 3	
•		7% disseminated pyrite with a trace of pyrrho-						
		tite.						
			,-					
231.6'	237.2'	META-ANDESITE - fine-grained; medium green to dark	233'	235'		2'		la to 2a strgrs
		green; slight increase in phlogopite content	235 1	237'		2'	•	-
		near lower contact; non- to very weakly-						
		magnetic; non-carbonatized; 3% to 5% po,py to						
		233', then 5% to 7% po,py,tr.cp and gn (with a						

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## DIAMOND DRILL REPORT

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LAVAL-BROWNRIDGE #1

HOLE NO.	
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u		5			C	CORE SAMPLES	ES		
	T A C A	10	DESCRIPTION	FROM	ТО	RECOV.	MIDTH	ASSAY	DESCRIPTION OF SAMPLE
			few scattered quartz blebs).						
	237.2'	247'	MICACEOUS DACITE to RHYODACITE TUFF - fine-grained;	237'	242'		51		3% to 5% strgrs
			er to unit from 225.2' to 231	242'	247'		5'		=
			contact sharp and distinct @ 250 to C.A.; from						
			top to 241' is a section of very fine-grained,						
			chloritic, rhyolite with 3% to 7% disseminated					ı	
1			pyrite; white quartz veinlet @ 300 to C.A. from						
			246.4' to 246.6' (small po and py blebs on		:				
1			contacts); strongly carbonatized; non-magnetic;						
			3% to 5% pyrite with a trace of pyrrhotite from						
1								٠	
. ,									
	247'	258.51	RHYOLITE to RHYODACITE TUFF - fine- to very fine-	247'	249'		2'		2% to 3% strgrs
			grained; medium to dark grey with crude graded	249'	251'		21		-
			bedding suggesting tops up hole - the 'beds'	251'	253'		2"		
			are 10 to 40 mm true width, with some of the	2531	255'		21		3% to 5% strgrs
	ĺ		darker upper sections containing considerable	255'	257'		21		3% to 7% strgrs
			fg biotite (and possibly some magnetite or	257'	259 '		21		2% to 3% strgrs
			graphite?); upper contact is sharp and distinct						
	k		@ 750 to C.A the lower contact is sharp but						
_			indistinct; foliations are clear (450 to C.A.						
			@ 250' - local swirling, or minor drag-folding);						
			similar to graphitic rhyodacitic tuffs in						

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### DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

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PROPERTY LAVAL-BROWNRIDGE #1

T NO R T	70	DRUCRIPTION		, c	CORE SAMPLES	8:3		DESCRIPTION OF SAMPLE
			FROM	70	RECOV.	WIDTH	ASSAY	
		earlier holes - only here, there is little or						
	-	no graphite; vuggy section @ top; distinguished						
		by stringer pyrrhotite, pyrite and chalcopyrite						
		up to 10%-15% throughout (local massive seams						
		are up to 25 mm wide); non-carbonatized; strongl	,					
		magnetic; broken core from 257' to 259.8'.						
258.5	282.3	META-ANDESITE TUFF - fine- to medium-grained; dark						
		green-grey with some scattered grey and blue						
		quartz 'eyes'; progressively coarser down-hole,						
		especially from 276' to base; non-magnetic;	_					
		non-carbonatized; 2% to 5% disseminated pyrite						
		and pyrrhotite; broken core from 263.5' to						
	•	264.5'.						
282.3	300'	MICACEOUS DACITE to RHYODACITE TUFF - fine-grained;		,	:			
	•	green-grey; similar to unit from 225.2' to	285 '	287 '				5% to 10% strgrs
		231.6' - with scattered dark grey mica(?)	287'	289 '	l I			=
		'grains' up to 9 mm across; upper contact is						
		sharp and distinct @ 30° to C.A lower contact						
		is sharp and distinct @ 250 to C.A.; quartz						
		veinlets from 288' to 288,2' (@ 250 to 400 to						
		C.A with some galena) and 285' to 285.2' @						
	-	250 to C.A.: weakly to moderately magnetic:						

DIAMOND DRILL REPORT

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THE AUTHORNMENT TO THE	TAVAL BROWNFINCE #1			

				Q	CORE SAMPLES	S		
FROM	6	DESCRIPTION	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		moderately carbonatized; generally 2% to 5% py						
		the la						
		19 feet skim the contact with the lower unit -						
300'	366'	META-ANDESITE - medium- to coarse-grained; mottled						
		medium green, brown (phlogopite) and creamy-						
		white or grey-white; some coarser sections with						
		felted, green, amphibole, acicular crystals to						
		15 mm long; cut by several narrow white qcv @	330'	3351		51		1% to 2% strgrs t
		40° to 50° to the C.A. (especially from 325.2'	3351	340'		51		
		to 325.5', 340.3' to 340.6', and 347.5' to						
		347.8'); a few local coarse 'ashy' sections;						
	· ,	generally 1% to 2% pyrite with traces of po and						
		op to 330.						
		3% to 7% po,py,tr.cp (with blebs to 6 mm across)						
		foliation @ 750 to C.A. @ 309'; moderately						
		carbonatized from 339' to 342' and 359' to						
		361'; non-magnetic except weakly to moderately						
		magnetic from 330' to 340'.						
366'	375'	BLEACHED META-ANDESITE to DACITE - fine-grained;						
		light to 'pasty' green-grey with scattered						
		dark grey, mafic, crystals (to 3 mm long) and						

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DIAMOND DRILL REPORT

HOLE NO. LB1-5-78

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PROPERTY LAVAL-BROWNRIDGE #1

E O	7	DMSCRIPTION		200	CORE SAMPLES		DESCRIPTION OF SAMPLE
				,			
		a few blue quartz 'eyes'; the whole unit is					
		quite soft and may be talcose - slips are					
		coated in dark green chlorite with even a					
		<pre>suggestion of soft, greasy, serpentine(??);</pre>					•
		non- to very weakly carbonatized; non-magnetic;					
		traces of fg, disseminated pyrite.					
		E.O.H 375 <sup>†</sup>					Ť
		2002	33300				
		10/14moc S4					
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