

42801SE0070 20 HORWOOD

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Diamond Drilling

Township of Horwood

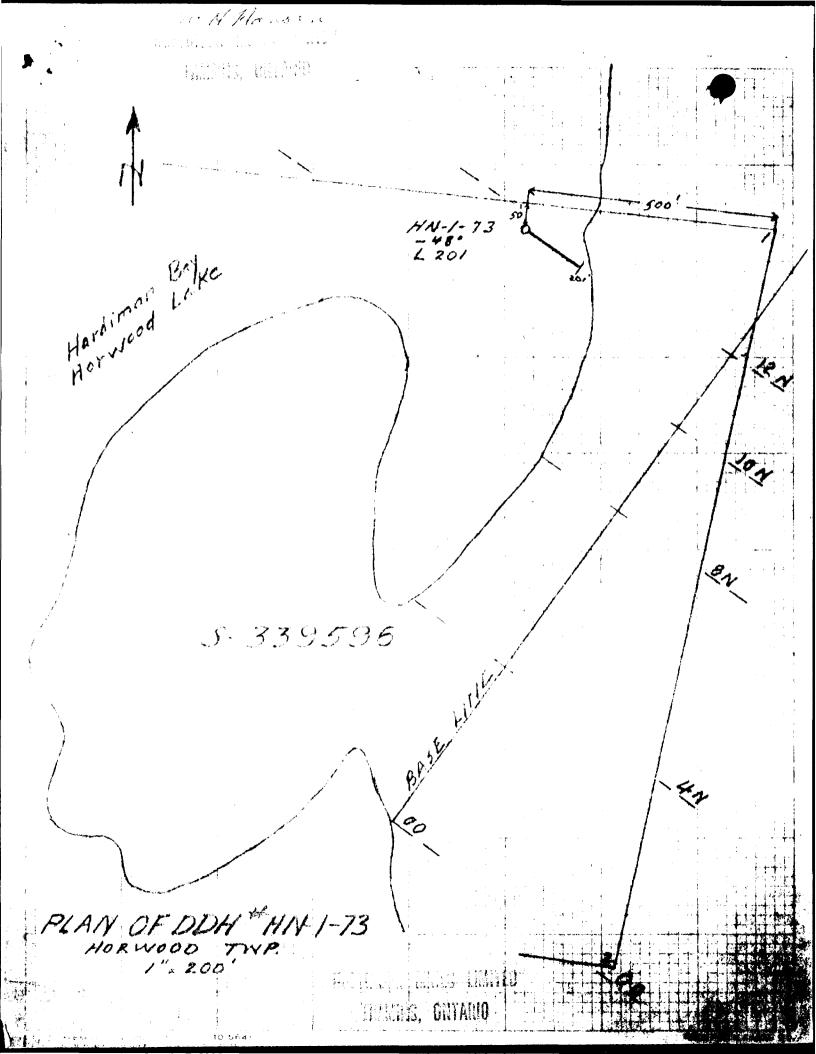
Report NQ: 20

Work performed by: Hollinger Mines Ltd.

Claim Nº	Hole NQ	Footage	Date	Note
S 339596	HN-1-73	34 201'	Feb/73	(1)
S339597	HN-2-73 HN-3-73	199' 197'	Feb/73 Feb/73	(2) (2)
S 339598	HN-4973 HN-5-73 HN-6-73 HN-7-73	254' 208' 350.5' 307'	Feb/73 Feb/73 Feb/73 Mar/73	(2) (2) (2) (2)
S 339601	HN-8-73	3031	Mar/73	(2)
S 339600	HN-9-73	303'	Mar/73	(2)
		2322 5 '		

2322.5

Notes:



		FORM 822 NORTH	<u>11 + 70 N</u> <u>5 + 00 W</u> <u>5 + 00 W</u> <u>5 + 00 W</u> <u>5 + 00 W</u> <u>5 + 00 W</u>	DRI	LL R	EPOF	RT	FINISH	ENCED Feb. 4, 1973 IED Feb. 5, 1973
		AZIM.	1260 (as.) 1260 (as.) 1260 (as.) PROPERTY HORN	OOD-NEI	MAN			HOLE.	to test geology & structure for molybdenu mineralisation.
			Claim 9-339596	NX.	core	Horw	ood Twy	o., Ont.	
scture F Sensities	ROM	то	DESCRIPTION	FROM	то	RECOV.	LES WIDTH	ASSAY	DESCRIPTION OF SAMPLE
n Av. 30./it.	0	561	Overburden - lake, silt and clay.						
	561	121'	Tale-Chlorite-Biotite Schist - fine-						
<u></u>			grained, dark-green, composed prodominant	<u>1</u> y					,
<u></u>			of grounish tale and/or sericite, white						
			carbonate, dark to light green chlorite,						·
			actinolite/tremolite locally, and numerou	8					
<u></u>			sections with considerable black biotite;						
			a few sections are made up of mostly						
			chlorito or tale und sericite; the overal	1	1				
			section is very soft, has a sheen, a						
			soapy feel and an intense schiptosity						
			suggesting similarity with the tale					•	
			serpentine schists of the property; core				i		
			angles with schistosity are listed at	ļ				 	
			end of log; much of the core is magnetic	 					·
- <u></u>			bocause, of very finely disseminated		 				
- 			grains of magnetite, and finely disnom-	ļ		<u> </u>			······································
			insted sulphides some of which may be						
	·		pyrrhotite; pyrite is present throughout				 		
			as scattered blebs and narrow streaks			· ·	-		
			along fractures and quarts veinlets; core			<u> </u>			
			is cut by narrow quarts-carbonate	ļ					
			stringers (0.75 mm to 6.25 mm) throughout	8		ļ			
			fracture orientations and densities			Ì		. l	
)	follow:				4		

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DIAMOND DRILL REPORT

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	то			C	ORE SAMP			
FROM		DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		orientation density/ft.						
		61° to C.A. 8 to 12	•					
	1	46° to C.A. 1 to 2						
	1	(currdng) Parallel to 28° to C.A. 1 to 2 (est.)	<u>+</u> -					
	-		• <u>•••</u>					······································
		'clean' fractures & 62° to C.A. cut and	·					
		offset fractures filled with quarts-car-						
		bonate @ 27° to C.A. by 1 voinlet width.						
		- 96'-99' - section of tight crenulated						
		colour banding between biotite-						
			101	104 8				· · · · · · · · · · · · · · · · · · ·
		chlorite und quartz-carbonate,	104	108.51		4.5		
		light grey in overall colour,						·
,		still vory soft.						······································
	_	- 107'-108' - a few subangular to sub-		 				· · · · · · · · · · · · · · · · · · ·
		rounded fragments of pinkish white			<u> </u>			
		porphyritic quarts monsonite to						·
		granodiorite in the schist; larger						•
		one has sericite envelope; vary in						
	-	size from 5 cm by 3.7 cm to						· · · · · · · · · · · · · · · · · · ·
	1	9.5 mm diameter.						
			108.5	110'		0.00		
		- 108.5° to 110° - white quarts veins and narrow lens of quarts monson-	100.7	110.		2.51		
		ite to granodiorite porphyry,	ļ	<u> </u>				
		trace of carbonate; from 1%-2% py	h	<u> </u>				
	_	as blebs along vein & schist			·		 	
	}	foliation; small blobs and		l	ļ		Į	

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HN-1-73 HOLE NO. 3. COMMENCED __ FINISHED _____ PURPOSE OF _ HOLE _____ .

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FROM TO			·····	c	ORE SAMP	LES		
FROM	то 	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		scattered flakes of molybdonite (tr. to						
_		1%) both in veins and in schist adjacent						
				•				
		to veins; traces of orange to pale pink						
		Kspar elteration along guarts vein margins	120'	1161		61		
		(veins make ungles from 47° to 52° with	:					
		C.A.)						
		- 113.7" - fragment of white quarts						
		vein; 5.0 cm by 3.7 cm; both						
		fragment and host somewhite wurgy;						
		trace of pink Xspar Alteration;	·					
		small quarts carbonate veinists						
		near here broken and locally		ļ				· · · · · · · · · · · · · · · · · · ·
		dragfolded.					,	
		- 115.6'-116.3' - section of fine colour	1161	121'	-	51	·	
		banding between black biotite and						
		green chlorite; () 43° to C.A.						
<u>.</u>		- 119' - very thin fracture C 17 ⁰ to						
		•						· · · · · · · · · · · · · · · · · · ·
		C.A. with reddish-pink alteration,						
	_	quartz filling, traces of pyrite,						· · · · · · · · · · · · · · · · · · ·
		and pin specks of molybdenite.						
		- 121' - lower contact sharp 4 47° to						
		C.A.						
		Lost core @ 94.6' to 95.9', 105' to 106.8						
				<u> </u>			·	
		and 110.6' to 113,6'	ļ,					

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DIAMOND DRILL REPORT

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		TO DESCRIPTION		C	DRE SAMP	LES		
FROM	то		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
211	131.11	Porphyritic Quartz Monsonite to	1211	124.		31		
	_	Granodiorite - gray, medium-grained, with		·				
		subangular to subrounded (resorbed ?)						
		phenocrysts of cream to pinkish-cream	1241	1271		31		
		Kapar (?) from 1.5 to 6.4 mm length,						
		considerable quarts, the principal						
		mafic mineral is biotite, disseminated	1271	1291		21		
		blebs of pyrite (1% to 5%) throughout;						
		pale green-paste green alteration						
		around some pyrite blobs; minute flaked						
		and blebs of nolybdenits along guarts		131.1		2,1'		
		veinlets @ 50° to C.A. or @ inter-						· · ·
		section of fractures 0 50° to C.A. &						
	,	subparallel to C.A., noly @ 121.4*,						,
		124, 124.4, 126.4, 128.3, and						,. ,
		130.6"; core cut by white to white-						. ,
		clear quarts veinlets from 6.4 to 25 m						
		wide - cut C.A. @ angles from \$3° to						
		50° (50°-60° set has density of 2 to 3						
		75° to 85° set has a density of 4 to 6)						
		- @ 125.4' - foliation warped and crimped						
		to angles between 45° and 8° to						
		C.A.						αθμές στο Ματάλατος το στο Νατάλα - που στο Νατογγαρία στο τη Ναράλουη. Το στο Ναγγαρία - που το Ναγγαρία - που
		- 129.7' to 130.1' - cream coloured						
		section with considerable cream						
		to pink Kapar, and quarts; dark						

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DIAMOND DRILL REPORT

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HOLE NO. HN-1-73 5. COMMENCED FINISHED PURPOSE OF HOLE

PROPERTY	HORWOOD-NEWMAN

		DESCRIPTION		с	ORE SAMP	LES		
FROM	то		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
. <u></u>		green to green 'spots' lending speckled						
	E.	appearance to core (possibly chlorite).						
		- 130.3'-130.5' - nurrow hand of						
		biotite-rich schistose material						
* <u>************************************</u>		with chlorite and sharp but						
		irregular contacts.	,					·
		- 130.5'-131.1' - guartz monzonite to						
		granodiorite as above only dark						
		grey matrix and white to croam						
••••		phenocrysts rather than pinkish-						
		Cream.						

131.1'	134.2'	Chlorite-Biotite Schiat - fine-grainad,	131.1	134.8	21	3.2"		
· · · · · · · · · · · · · · · · · · ·		black to dark green, composed prin-						
		cipally of biotite, chlorite, some tald						
		and possible tremolite, some quarts-						
		carbonate veinlets and fragments, and						
		several fragments of granodiorite to						
		quarts monzonite; some barding between						
		feldspar-quarts and biotite, usually						
		crenulated or tightly crimped; traces						
		of pink Kspar siteration on the margine						
		of quarts 'fragments' and along			<u> </u>			
		fractures () 65° to C.A.; younlets						
		(generally $(0.60^{\circ}-80^{\circ}$ to C.A.) are cut						
		by several fractures (@ 35° to C.A.	1	,				

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HOLE NO. KN-1-73 6. COMMENCED _______ FINISHED ______ PURPOSE OF ______ HOLE _____

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				c	ORE SAMP	LES		
FROM	то 	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		usually); swirling of biotite grains aroun	d					
		irregular-shaped quarts monsonite fragment	8					
		(up to 5 cm diameter) suggests chaotio						· · · · · · · · · · · · · · · · · · ·
······································		mix: pyrite cubes and blabs are scattered						
		throughout (1%-5%).						
101 01			121 01	7.600 8		• • •		
134.21	141.9.	Quartaitic Sediments - fine-gruined,	134.2'	13/09	-	3.3'		
·····		graenish-grey with distinctive pinkish.						•
		rud tinge; considerable quarts with						
		clastic appearance; up to 5% pyrite	<u> </u>					
		specks; probably equivalent to sedi-	ļ				İ	
		mentary unit mapped on surface to east	ĺ					
·		core has some suggestion of chilled						
,		margin to 'granitic' intrusive; cut by	137.51	242.9	-	4.41		
		narrow quarts-carbonate veinlet & 180						
		to C.A., and by reddish-pink alteration						
		fractures # 16° to C.A. (probably						
		equivalent to 125° az. fracture set		•				
	· · ·	mapped on surface); light green to		<u> </u>				
		green chlorite band (2.5 cm wide) form	c		1			
		lower irregular contact with underlying	8					
		quarts monsonite.						19 ^{71 -} 1977 - 1977
141.9'	153'	Porphyritic Quarts Monsonite to	141.9'	145'		3.1'		
		Granodiorite - grey, medium-grained,						· · · · · · · · · · · · · · · · · · ·
		with subangular to subrounded phenocrys	t p	1				

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			CORE SAMPLES					
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		of cream to pinkish-cream Kapar from	1451	1481		31		
		2.3 to 6.4 mm length, considerable						
		quarts, the principal mafic mineral is						
		biotite; fractures are quite numerous	148'	1501		21		,
		with a prominent set characterized by		,				
	1	pinkish-red Kspar altoration outting	1501	153'		31		
	11	the C.A. 4 an angle of 18° to 26° with						
	11	a fracture density of 5 to 10 (probably		;				
	11	corresponds to set striking & 125° as.						
······		D 60° NE as mapped on surface); also						
		white quarts veinlets cutting C.A. 4	·					
	1	angles from 65° to 75°; one hairline						
·····		fracture $R \sim 20^\circ$ to C.A. (rotated ~ 90°				•		
		around core from pink set) has white						· · · · · · · · · · · · · · · · · · ·
		'bleached' alteration envelope ~ 0.75						
		mm wide; sericitic alteration along						······································
	1	some fractures and particularly adjacen						
		to quarts veinlets with Kspar enveloped						· · · · · · · · · · · · · · · · · · ·
		and as a large part of the matrix from						
		147.8' to 149.5'; some grey, almost						
		charty quarts veinlets @ 60° to C.A. @	· · · · ·	••••••••••				······································
		148.4' and 151.3' - these veinlets are			<u> </u>		 	
		cut by the red Kapar altered fractures						
····		without visible displacement; a few						
		hairline fractures @ 15° to C.A.			<u> </u>			
		(opposite 'red' fractures) and without						·

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DIAMOND DRILL REPORT

PROPERTY HORWOOD-NEWMAN

HOLE NO. HN-1-73 8. COMMENCED FINISHED PURPOSE OF HOLE

				сс	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		associated alteration out the Kepar			- 1			
		alteration fracture set with slight						
		displacement (estimated to be left-hand						
		lateral from orientation of core and						· · · · · · · · · · · · · · · · · · ·
		known attitude of fracture set); 4 153"						
		the 'red' Kapar fracture set has a core		:		1		
<u> </u>	_	angle of 13° and is intersected by	- 199 					·
		another Kspar altered fracture @ 6° to		· · · · · · · · · · · · · · · ·				
		core axis and rotated 90° from let sets						
		up to 5% disseminated pyrite (tiny						
·		blebs, cubes, and specks) throughout		•				
		the unit; tr. of molybdenite @ 146'.		· · · · · · · · · · · · · · · · · · ·				
••• ······								
		- 142.6'-143.8' - band of chlorite-						
		biotite schist; contacts @ 30° to						
		40° to C.A.; contains fractured						
		white quarts veinlet with pink						
		alteration on fractures.	, 					
		- 150.4' and 151' - thin (5 to 2.5 cm)				ļ		
		lens of chloritic, talcose schist.						
		- 153" - contact with underlying schist						
		sharp, wavy, and @ 28° to C.A.		 		 		
153*	162.3'	Chloritic Metasediment (?) - fine-grained,	153'	158'		51		
		green to dark green, somewhat schistose	l :		<u> </u>			
		apparently silicified, some biotite						

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DIAMOND DRILL REPORT

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HOLE NO. HN-1-73 9. COMMENCED________ FINISHED_______ PURPOSE OF ______ HOLE_____

PROPERTY HORWOOD-NEWMAN

FROM	то	DESCRIPTION		CORE SAMPLES				DESCRIPTION OF SAMPLE
- AUM		DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	throughout; small 'fragments' or	1581	162.3		4.31			
		crystal grains (up to 1.5 mm) in						
		coarser sections; scattered reddish-						
		pink Kapar grains; out by Kapar						
		alteration fracture set similar to						
		overlying unit, some of these fractures						
		filled by white to bluish-clear quarts						
		from 3 to 25 mm wide; fractures @						
		56°-65° to C.A. (with thin chloritic						
		pale green alteration) cut and, in						
·		places, truncated, along with 'red'						
		Kspar set by quarts-carbonate break Q						· · · · · · · · · · · · · · · · · · ·
	1	26° to C.A.; possible trace of chalco-						
		pyrite and molybdenite @ 158.7' and					·	
		159.5'; heaviest Kapar-quarts concen-						, ·
	1	tration @ 158.6' and from 160.2' to						,
	1	161.3'						
62.31	201'	Porphyritic Quarts Monsonite -	162.31	165'		2,71		
		phenocrysts of cream to reddish-pink						
	[Kspar up to 9 mm long and white rounded						
		'phenocrysts' of plagioclase (7) and	1651	1681		31		
	1	quarts are abundant, set in a dark-						
<u></u> =		green to cream matrix of chlorite,	1681	171'		3'		
	1	biotito and quarts.					1.	
		- from 167.3' to 182.7' the section	171.	1741		31		

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-	то	DESCRIPTION	ļ	C	ORE SAMP	LES		DESCRIPTION OF SAMPLE
FROM TO		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		is particularly distinctive as			:			
		it is characterized by pervasive	1741	1771				, and and a start of the strength of the stren
		Kapar reddish-pink alteration and						
		numerous Kapar-altered fractures	1771	1801		31		
		@ 10°-20° to C.A. with a density						
		of 7 to 8, and 040° to C.A.	180'	183'		31		
		with a density of 2 to 3; white		· · ·				
······································		quarts veinlets & 70° to C.A.	1831	1861	-	31		
		have a density of 2; prominent						
		quarts veins (7.5 mm wide) 9						· · · · · · · · · · · · · · · · · · ·
		168.1' and 181.5' with core angles						
		of 10° have (particularly @ 168.1	>					
		altoration envelopes (~ 0.7 mm wid	•)	· .				
		of coarse sericite; sericite also						
		abundant between 177.6' and 180'						
		generally within a sone of intense	1861	189'		3'		
		Kepar altoration and fracturing						
		that makes an angle of $\sim 10^{\circ}$ with	1891	1921		3'		
		the C.A.; black, angular to sub-						
		rounded biotite-chlorite clots	1921	1951		3'		
		up to 3.0 mm are numerous @						
		176,7' to 179.5'; 1%-5% dissem-						
		inated tiny pyrite blebs throughout	1951	198'	-	31		
		possible trace of chalcopyrite						
<u> </u>		- from 182.7' to 201', similar rock	1981	2011		31		
		without the pervasive Kepar	\} 			 -		

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DIAMOND DRILL REPORT

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HOLE NO. HN-1-73 11, COMMENCED______ FINISHED______ PURPOSE OF______ HOLE_____

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		TO DESCRIPTION		c	ORE SAMP	LES		
FROM	то		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		altoration; grey-pink colour;						
		wide (5.0 cm) pinkish-brown quarts	.•			I		
		(near cherty) yein cuts core G						
		780 @ 193.2'; narrow fracture with	•	, .		,		
		chlorite, sericite & pyrite cuts						
	1	core @ 29 ⁰ @ 196.5"; a few narrow	,					
		quarts veinlets cut core axis @						
	11					· ·		· ·
		angles from 0° to 30° but fracturi	16					
		and alteration less intense than						
		preceding sections; scattered						
	┦━━━━┦	euhedral feldspar phenocrysts		-				
······		9.0 mm long; 1%-5% disseminated.						
		pyrite throughout.						· · · · · · · · · · · · · · · · · · ·
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HOLE NO. HN-1-73 12. COMMENCED___________ FINISHED_________ PURPOSE OF________ HOLE______

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FROM	то	DESCRIPTION		с	ORE SAMP	LES		
FROM	ļ		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	<u></u>		· · · · · · · · · · · · · · · · · · ·			1	۱	l
		Foliation Angles with C.A.	۱					· · · · · · · · · · · · · · · · · · ·
		621 - 580						
		73.5' - 710					1	
		89.51 - 610						
		971 - 680	 				l	
		107' - 35°			<u> </u>	l	۱ <u> </u>	· · · · · · · · · · · · · · · · · · ·
		118' - 420						
	ļ	120.5' - 52° - chlorite-biot. schist						
	ļ	127' - 61° - porphyry						
<u></u>	l	134' - 65° - 'contact'				l		
	<u> </u>	142.6' - 53º - irregular intrus. 'con	act'	ļ			L	· · · · · · · · · · · · · · · · · · ·
	· .	144.5* - 51 ⁰ - porphyry	 		l	l		
	l	152.5' - 61 ⁰ - porphyry	l 	ļ			l	
	\	169.5' - 52° - porphyry		ļ		l		· · · · · · · · · · · · · · · · · · ·
		178' - 31° - porphyry(?) (disturbed	by fre	oturin	s)	li	L	
<u></u>	<u> </u>	187' - 70° - porphyry		ļ		· · · · · · · · · · · · · · · · · · ·		
	İ	199.5' - 62 ⁰ - porphyry	 	. 		l	L	·
			Ĩ	 	ļ	l		
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Stor Philad 2 LE C RIVE P MAY 11 1073 PA A DA DA DA DA DA Hardiman Bay HERWOOD LAKE 3. Or 5-339597 1sland KO X HN3-7 HN2-73 Started - Feb 6/73 Finished For 19/98 and Com Mar Eliz Bradie & Bros. Led Timpours. MAN OF DOH + HNZ-73 & HN 3-73 CLANT 5- 339597, HORWOOD TWP. Scale - 1'= 200' WALan HOLLINGER MINES LIMITED TIMMINS, ONTARIO

	F N E	b)lar from #l Post of 8-3395 N 453' 13 + 00 N N 60' 5 + 00 W 100' 26° as. (Grid East) 100' ar = 47°; 199' = 46.5°	biamond drill report			HOLE NO. 11N-2-73 COMMENCED Feb. 6, 1073 FINISHED Feb. 8, 1973 PURPOSE OF HOLE To test reology and drill under first Holy Showing.				
-	FROM	то	DESCRIPTIO	N	FROM		RECOV.		MOS2	DESCRIPTION OF SAMPLE
•)	0	221	OVERBURDEN.							· · · · · · · · · · · · · · · · · · ·
-	221	115.81	TALC-CHLORITE SCHIST - fine	•	•					
			green to dark-green, sof schistose; composed prin							
·			and chlorite with some c	,	<u>A</u>					
			biotite and local concen	trations of						
	·		actinolite; magnetic; cu	_	·					
· ·			guarts-carbonate stringe et angles from 50° to 80°							
			sections are notably coa	1)	•					· · ·
			mottled greenish-grey an							
			black in colour - these					· · · · · · · · · · · · · · · · · · ·		
			apparently contain more				·			
			feldspar, carbonate, bio							
	<u></u>	_	actinolite/tremolite that unit; chicken-track type		•					
			are visible in parts of		· .	·				
			are commonly contorted a							
			lets show dragfolding an	d fragmentation						RECEIVER
· · · ·			pyrite (~1%) occurs as	blebs in the					 	
			upper part of the unit,	either dissem-		 		<u> </u>		13191011121212101010
			inated or along quarts-		,					A
			stringers; the lower par		,,		 			
			(64' to 106.4') features cubes and blebs up to 6		·······	ļ.,				

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DIAMOND DRILL REPORT

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		DESCRIPTION		C	ORE SAMP	LES	MoS2	
FROM	то		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		probably equivalent to an exposure of						
		altered andesite as mapped on surface;						
		faulting is evidenced by contorted						
		foliation, fragmentation, some shearing						
		and fault gouge @ 27.5', 60'-61.6' and						
		a trace @ 70.61; molybdenite occurs as						
		described below; lost core @ 35.4'-	•					
		36.41, 37.21-381, 39.21-401, 61.71-						
		62.91, 71.91-72.81, 77.81-78.51, 83.11-						
		85,41, 86,41-891 and 111.71-113.11						
			,					
		- 23.7-25.5' - coarse section.						· · · · · · · · · · · · · · · · · · ·
		- 31.1'-33.6' - fine, sugary, biotite						
		with quarts section, still soft,						•
		purplish tinge to rock; very						· .
		biotite-rich @ upper and lower						
		contacts (20° to C.A.)						
	1	- 52.6'-60' - greyer than overall unit	601	651		51	00.01	
		probably due to greater concen-						
		tration of quarts-carbonate						
		stringers.						
		- 65'-66' - white quarts vein with	651	661		1'	0_15	
		purplish-tinged section in contact,						
		visible actinolite-tremolite; tiny						
		filaments of molybdenite (1%)						
]	apparently conformable with schiat						

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DIAMOND DRILL REPORT

PROPERTY HORWOOD-NEWMAN OPTION

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			l	C	ORE SAMP	LES	MoS2	
FROM	TO DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		foliation, one or two filaments			-			
		bent to conform(?) with contorted:	•					
		foliation, moly along both contacts	661	67.41		1.4"	0.01	
		of vein only richer on upper con-						
······································		tact; approx. 1% pyrite cubes and	. <u>.</u>					
		blebs along lower contact; little						
		visible Kapar alteration other	67.4'	67.8		0.41	0.01	
•		, than hairline pink fracture outting						
-		lower contact @ 25° to C.A., and						·····
		orange-pink tinge to quarts and						
		possibly some feldspar just above						
		lower contact; lower contact @ 450						
		to C.A. and consists of an 18 to	67.81	69.2		1.31	0.01	
		19 mm wide sone of biotite.			-			
		- 66'-67.4' - mica-tremolite/actinolite	_					
		rich section, particularly @ 67.31						•
		where tremolite-actinolite occurs						
		as coarse (12 mm) blades and fans.						4
		- 67.4'-67.8' - fine-grained, grey,						
		siliceous-looking (though soft)						
		section with 1%-2% disseminated fin	•	,				
		pyrite and possible trace of molyb-						
		denite.						
		- 67.81-69.11 - coarse blades and fans		1				
		of tremolite/actinolite as above.	#•	1		<u> </u>		······································

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5004				C	ORE SAMP				
FROM	то	DESCRIPTION	FROM	FROM TO REC		RECOV. WIDTH		, DESCRIPTION OF SAMPLE	
	[- 69.1'-69.9' - grey-white to cream	69.11	701.		0.91	0.01		
		quarts veins or vein fragment with							
		pink Kapar alteration rims (approx.							
		0.7 mm) on edges; bleb of molyh-							
		donite (filament) within quarts @	·						
		69.81.							
		- 70'-71.5' - broken core.	701	751		51	0.01	·	
		- 70'-71.3' - coarse tremolite/actinolite					·	· · · · · · · · · · · · · · · · · · ·	
		mica soction as above.	,		1.4				
· ·		- 71.3'-73' - grey, fine-grained, more	751	80.51		5.51	0.01		
		silicsous section with fine dis-							
		seminated pyrite up to 2%; 12 mm							
		wide sone of biotite on lower conta	t						
	ļ	- 74.9'-75.2' - grey, siliceous, fine-					·		
		grained section; considerable						·	
		tremolite/actinolite and up to 3%							
		disseminated pyrite.							
		- 80.7'-80.9' - grey-white lens of	80.51	83.1'		2.61	0.01		
		granodiorite porphyry.							
	· ·	- 86.1! - bleb of molybdenite in schist							
		- 91.3'-91.5' - grey-white quarts vein;	85.51	86.51		1'	Tr.		
		blebs of molybdenite in schist abov							
•		upper contact and right on lower	89.01	91'		2.0'	0.01		
		contact.							
		92.5'-93.5' - possible trace of molyb-							
·····	1	denite in schist.	91'	95.61		4.61	0.01		

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DIAMOND DRILL REPORT

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PROPERTY HORWOOD-NEWMAN OPTION

FROM	то			C(DRE SAMP	LES	MoSz			
FROM 10	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE			
		- 95.11 - small grey-white quarts veinle	t							
	<u> </u>	- 96.11-96.21 - grey-white quarts voin,		96.61		1.01	0.01			
		fractured with blebs of molybdenite		1011		4.41	0.01			
		with chlorite-tremolite-talc along								
		fractures; 14 mm wide biotite sone								
		on lower contact with some molyb-	. ,							
		denite blebs also; contacts 0 620	101'	105+		4.01	Tr.			
		to C.A.			· .					
,		- 109.3'-114.3' - alternating quarts								
		veins, lenses of quarts monsonite	1051	1091		4.01	0.02			
		porphyry (grey-pink), pinkish-purpl		1						
		eiliceous sections, and parrow band				-				
		of chlcrite-talc-tremolite/actinolite		1101		1.01	Tr.			
		schist; red-pink Kspar alteration								
		around edges of quarts monsonite								
		porphyry; blebs of molybdenite	110'	114.2"		4.21	0.02	<i>.</i>		
		(approx. 2%) in Kapar alteration G								
		contact between porphyry and schist								
		@ 109.3', and with or near Kapar								
		fractures in the schists from						· · ·		
		109.5' to 109.7'.								
		- 110.9'-111.5! - lens of grey-pink-								
		cream quarts monsonite porphyry.								
	1	- 114.2'-115.8' - contorted, dragfolded								
		and broken white quarts veinlets	114.29	115.8	•	1.6.	Tr.	·		
		with pinkish Kapar alteration with	1							

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			C	ORE SAMP				
ROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	· DESCRIPTION OF SAMPLE
		them and along fractures in schist;					·	
1		blebs of molybdenite along slips(?)		•				
115.8'	188.5	PORPHYRITIC QUARTZ MONZONITE -	115.8'	120*		4.21	0.03	1
		medium-grained, generally dark grey						
		to cream with pink-red tinges where	1201	125'		5.01	0.02	
		Kspar-altered fractures abundant; oreas	1251	130"		5.01	0.02	1
		to orange-pink phenocrysts of Kapar						X
		up to 4.5 mm long are abundant along	130'	135'		5.01		
		with white feldspar phenocrysts up to			,		,	
		2.0 mm; biotite and chlorite are the	135'	1401		5.01		
		principal mafic minerals; Kspar-altered	l					
		fractures with red alteration enveloped	1401	145'		5.01		· · · · · · · · · · · · · · · · · · ·
		up to 1 mm wide are especially common		-				
		from 124.5' to 133.3', cut the core	245'	150'		5.01	N11	
		parallel to subparallel to core axis,	150'	1551		5.01		· •
		and have a fracture density of 8 to 12						
		(estimated over 3"); wide white quarts	155'	160'		5.01	<u> </u>	•
		veins from 115.8' to 116.7', 121' to					ÌÌ	•
		122.4', 131.2' to 132.8', 133.5' to	1601	165'		5.01		
		142.4', 145.8' to 145.9', @ 146.1',	165'	170'		5.0*		
		# 161', 162.4' to 162.6', 162.7' to						
		163', 165.7' to 166.6', 171.5' to 171.						· · · · · · · · · · · · · · · · · · ·
		173.7' to 175', 175.5' to 175.6',						
		163.5' to 183.6', 186.9' to 187.1';			1			

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HOLE NO.	HN-2-73	7.
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PROPERTY HORWOOD-NEIMAN OPTION

FROM TO		DESCRIPTION		c	ORE SAMP	LES	DESCRIPTION OF SAMPLE		
	то			RECOV.	WIDTH	ASSAY			
		throughout and as large blebs along the							
		margins of some quarts vains, particu-				;			
		larly @ 142', 175.6' and 183.7',							
		- 161,3'-165' - lens of dark grey,							
		fine-grained biotive-rich mota-							
		sediment; upper contact relatively	1701	1751		5.01		anderen Handeland and an an an an an an an an an an an an an	
		sharp although hiotite content and							
<u></u>		· ·						· · · · · · · · · · · · · · · · · · ·	
		dark grey colour prevalent in quarts nonzonite from 158.6' to	1751	179.71		4.7'		· · · · · · · · · · · · · · · · · · ·	
		161.3'; small sections of 'dark'		*1701		405			
		· · · · · · · · · · · · · · · · · · ·		,					
	+	monzonite with sediment; a few .							
<u></u>		quarts voinlets are vuggy .							
		- 171.5' - pink alteration along upper	; 				· · .		
		contact of quarts vein @ 35° to C.A							
		- 175.5' - cherty, cream quarts vein to	. 			<u> </u>		·	
		lens of very light quarts monsonite	,		<u> </u>			· · · · · · · · · · · · · · · · · · ·	
		porphyry.							
		- 176.8' - red Kapar alteration along							
		fracture a 12° to C.A. with density		·					
		of approx. 3.		4.000					
		- 179.7'-180.7' - small lens of diabase		1					
		very fine-grained, black, magnetic;							
	-	upper contact sharp, slightly						· · · · · · · · · · · · · · · · · · ·	
		chilled, and @ 45° to C.A.				1		· · · · · · · · · · · · · · · · · · ·	
			100 7	184.6		3.91	··		
		except where offset by shallow fracture @ 15° to C.A.; lower	LOU./	104.0		2.9.		· · · · · · · · · · · · · · · · · · ·	

HOL	E NO.	HN-2-73

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PROPERTY HORWOOD-NELMAN OPTION

				C	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		contact sharp and @ 45° to C.A.						
		with chloritic edge	184.6	188.51		3.91		
		- @ 1721, 183.71, and 185.61 -						
		narrow fractures with coarse						
		muscovite at 15° to 30° to C.A.						
			•					
188.5'	199'	DIABASE - fine-grained, black, magnetic						
		quarts diabase; upper contact sharp						
		and G 58° to G.A.; green chlorits 'skim						
		along contact; main fracturing \$ 32°						
		to C.A. and either clean or filled by						
		narrow quartz-carbonate seams (approx.						
		0.6 mm) rimmed by narrow brownish, very						
		fine-grained alteration sones (approx.						-
<u></u>		0.6 mm).						
**······								
 		Б.О.Н 199*				1		
************							1	
		PROFESSION					1	
		AND PROFESSION C	 					
	1	P. J. DATEMAN						
	†	No sector						
	1	OF ACE OF OWN	∦ ∥	†			†	
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DIAMOND DRILL REPORT

HOLE NO. 117-2-73 9. COMMENCED __________ FINISHED ________ PURPOSE OF _______ HOLE ______

PROPERTY HORWOOD-NEWMAN OPATON

					Į	c	ORE SAMP	LES		
ROM	то		DESCRI	PTION	FROM	то	REÇOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
]			·
		Foliation	Angles wi	th Core Axis	•					
		Footage	Angle	· ·						
		24.1'	560	coarser material						
		30.4"	43°	fine-grained & shea	red					
•••••••••••••••••••••••••••••••••••••••		41.1'	33°		 					· · · · · · · · · · · · · · · · · · ·
		43.41		'contact' between d	oaree 4	- fina	materi	1		· · · · · · · · · · · · · · · · · · ·
					╢─────					· · · · · · · · · · · · · · · · · · ·
		56.71	59 ⁰	fine, contorted, sh	eareu					
		63.21	500							
		73.81	700	•	∦					
·····		74.4*	37°	contorted, 'contact	11		ļ		·	·
				fine schist and coat tremolitic, sericit	LC SeC	tion.				
		82.11	460	mica-rich section	ļ	 				
		92.81	75 ⁰	contorted fine schi	Bt					
		103.21	350	#						•
		115.41	450	schistose, nica-ch	orite					,
		117.2'	52 ⁰	porphyritic monson						
		128'	590	ti						
		158'	709	*			1			
		173.5'	670	n		1	1		<u>}</u>	
		183'	680	ŧ	· 	+				
			~~~		#				<u> </u>	
<u> </u>	<u> </u>		<u> </u>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<b>∦</b>				<b> </b>	
<del></del>	<b> </b>						-		<u> </u>	

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			Claim 8-339597	He	orwood	Twp., (	Ontario	) [.]	NX Core
	FROM	то	DESCRIPTION	FROM	то	ORE SAMP	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
•	01	201	OVERBURDEN.						
									, ,
•	201	93.11	TALC-CHLORITE-BIOTITE SCHIST -						· · · · · · · · · · · · · · · · · · ·
•		<u> </u>	fing-grained, dark grey-green to dark				·		
		<u> </u>	grey, composed of talc, chlorite, and	ļ					
			varying amounts of biotite and						· · · · · · · · · · · · · · · · · · ·
			tremolite/actinolite; soft, semi-schist	088					
			and/or sheared; commonly banded;						
	:		schistosity commonly contorted and wavy	401	45.51	10.00	5.51		
			cut by narrow quartz-carbonate veins @				1,1†		
•		1	$45^{\circ} = 70^{\circ}$ to C.A. with fracture density		· · .		1.01		
		1	of 5 to 7, some quartz carbonate		48.71		1.11		· · · · · · · · · · · · · · · · · · ·
		†	'fragments' also, particularly @ 46.5'				1.01		
۰.									
			56.81, 60.31, 65.91, 73.71, 76.51		50.71		1.01		
			82.2' and 87'; short grey to light grey	50.71	52.51		1.81		
	·••••		more silicified sections from 32.7' to					<u> </u>	
•	<del>, , , ,</del>		32.9', 38.7' to 40', 52' to 52.5',	1	56.51		1.51		
		<u> </u>	75.6' to 75.9', and 82.5' to 82.9';		57.51		1.0'		Arisman, y un seus au
		<u></u>	light grey soft sections (apparently	57.51	60,01		2.51	ļ	REEL
		<b> </b>	tale) occur from 49.5' to 49.9' and	601	611		1.01	ļ	
			90.2' to 92.1'; a narrow lens of	611	621	ļ	1.01	ļ	MAY 11 1973
			greyish quartz monsonite porphyry is	621	631		1.01	ļ	<u><u><u>risting</u>u, s</u></u>
			cut from 89' to 89.4! and 92.6' to	631	641		1.01		
			93.1'; sections from 28.2' to 34.5',	641	671		3.01		

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#### PROPERTY HORWOOD-NEWMAN OPTION

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EBOM TO			j.	c	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		(fine-grained blebs and stringers)	671	681		1.0'		
		contain 1%-2% pyrite cubes and blebs	681	691		1.0'		
		up to 6 mm diameter; parts of the unit	691	701		1.01		
		are vuggy, particularly @ 56.71 to	701	71'		1.01		
		57.51, 60.21 to 60.51, 76.31 to 76.61,	711	721		1.01		
		and core has been lost from 35! to	721	731		1.01		
		37.1', 52.5' to 55', and from 79' to	731			1.51		
		80'; sections composed almost entirely	74.51			1.51		,
		of biotite (to phlogopite) occur from	761	77.		1.01		
		38.51 to 38.61, 46.71, 56.71 to 57.51,	771	791		2.01		
		61.5' to 63.4', 66.8' to 68.2', and						
		70.7' to 71.4'; section of coarse						
	1	tremolite-actinolite @ 74.8' to 75',						
	·	and considerable tremolite from 80' to						•
		90'; small flakes, blebs, and filaments						
		of molybdenite within quarts and on						
<u> </u>		adjacent biotite-chlorite schist margin	5					
		@ 45.6', 46.1', 46.5', 47.5', 48.6',						
		49.3', 50.2', 56.8', 57.1', 60.3',				<b>1</b>		
		60.6', 61.7', 62.1'-62.3', 63.1', 63.3'		• •		-		
		67.2', 68.1', 68.6', 70.5', 70.9',						
		71.2', 73.2', 75.7'(in g.v.), and						
··		76.5 ¹ .			T			
	1	2				• :		
93.11	100.5	DIABASE - very fine-grained, black,	<u>∦</u>	,				
		magnetic, quartz diabase; jointing and/	#	1	1	1	1	

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HOLE NO.	HN-3-73	3.

PROPERTY	HORWOOD-NEWMAN	OP

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FORM S11

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	HORWOOD-	ATTMUT A AT	ODMTON
TV .	HUKWUUU	NEWMAN	UPTION

				с	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		fracturing subparallel to C.A. and						
		clean; upper contact broken, lower						
<del> </del>								· · · · · · · · · · · · · · · · · · ·
		contact sharp and marked by green	/					
	ł	chlorite, and @ 56° to C.A.; dissan=				·		
	· <b> </b>	inated pyrite blebs (up to 1%)						······································
· · · · · · · · · · · · · · · · · · ·	<u> </u>	throughout.	•					
109.51	1971	PORPHYRITIC QUARTZ MONZONITE						
		medium-grained, pinkish-grey, with						
						•		· · · · · · · · · · · · · · · · · · ·
		euhedral to subhedral phenocrysts (some						· · · · · · · · · · · · · · · · · · ·
		are zoned) (up to 9 mm long) of cream	•					
		to reddish-pink Kspar, and smaller	109.51	2151		5.51	· · · · · · · · · · · · · · · · · · ·	
	· .	white phenocrysts to sub-phenocrysts	1151	1201		5.01		
_		of feldspar and quartz set in a fine	1201	1251		5.01		
	1	to medium-grained matrix of biotite,	1251	1301		5.01		
		chlorite, sericite, and quarts; from	130'	1351		5.01		
			1	[				· · · · · · · · · · · · · · · · · · ·
		109.5' to 111.5', rock is dark grey;	1351	1401		5.01		
		sections with abundant reddish-pink	1401	1451		5.0'		······
		Kspar and Kspar alteration occur from	2451	1501		5.01		
		143.3' to 156', 157.5' to 161', 168'	1501	1.52.5		2.51		
		to 170', 175' to 178.5', and 187.5' to	152.51	1551		2.51		
		193.5'; wide white to clearish quartz	1 · · ·	1601		5.01		
		veins occur @ 113.2' (40° to C.A.),		•		•		
		115' to 115.8' (35°-45° to C.A.).						
· ·		123.2' to 123.6' (25° to C.A.), 127.8'						
	]	to 128.6' (20° to 25° to C.A.), 138.7!						

FORM \$22	
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### DIAMOND DRILL REPORT

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#### PROPERTY HORWOOD-NEWMAN OPTION

				C	ORE SAMP	LES			
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		139.1' (40° to C.A.), 141.7' to	1601	1651		5.01			
		142.21 (approx. 20° to C.A.) 157.61 to	1651	1701		5.01		ą	
		119191 (200 to G.A.), 160.41 to 160.61		1751		5.01		·	
		(200 to subparallel to C.A.), 167' to	1751	1801		5.01			
		167.41 (35° to C.A.), 169.61 (20° to	180	1851		5.01			
		C.A. until truncated or deflected into	1851	1901		5.01			
		fracture @ 20° to C.A. in opposite		191.9'		2.01			
		sense, both vein & fracture have pyrite				1.01			
		and sericite envelopes), 176.6' to 177'		1971		4.0'			
		(approx. 20° to C.A.), and @ 189.6'.	-72					,	
		194.31 and 194.61 (@ 80° to C.A.); veins		· · · · ·					
· · · · ·							<u>├</u> }		
		composed of brownish-pink-cream cherty		·		· • • •	· · · · ·	,	
		material with creamy-pink Kspar borders					· · ·	· · · · · · · · · · · · · · · · · · ·	
		cut the core axis @ approx. 80° @							
······		<u>126.9', 127.3', 122.7', 143.3', 168.2'</u>						·	
		and 194.6'; fractures cutting core axis						1 	
		@ 20° and 'filled' with coarse musco-	ļ	· · · ·		· ·	<u>]</u>	· · · · · · · · · · · · · · · · · · ·	
		vite and commonly quartz are @ 128.6*,							
	1	133', 138.3', 146.1', 147.1', 151.6',	· .					· ·	
		152.21, 155.11, 161.21, 164.11, 165.21,				·			
		169.61, 175.71, 177.81, 188.31 and							
		188.71; also some clean fractures with							
		same attitude giving this fracture set							
		a density of approx. 3; paste-groen							
		alteration mineral with quartz veinlet	 	1					
		@ 192.1'; 1%-2% disgeminated pyrite	 	1					

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				c	ORE SAMP	LES			
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
	( 	throughout the unit; tr. chalcopyrite(?	)						
		@ 151.91 to 152.51, and 177.51; some	•	e.					
		coarse phenocrysts (7 mm) of Kspar(?)							
• • • • • • • • • • • • • • • • • • •	1	with black to dark green rims and							
	1	mantles/finer grained pink monzonite							
	1	@ 153', 175' to 178', 188' to 189.2',							
	<u> </u>								
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		and 190.6' to 193.1'; fine flakes and				•		· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	<u> </u>	filaments of molybdenite @ 192.1' and							
<u></u>	<u> </u>	192.5'.		·					
	ļ	· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·	
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		B.O.H. = 1971							
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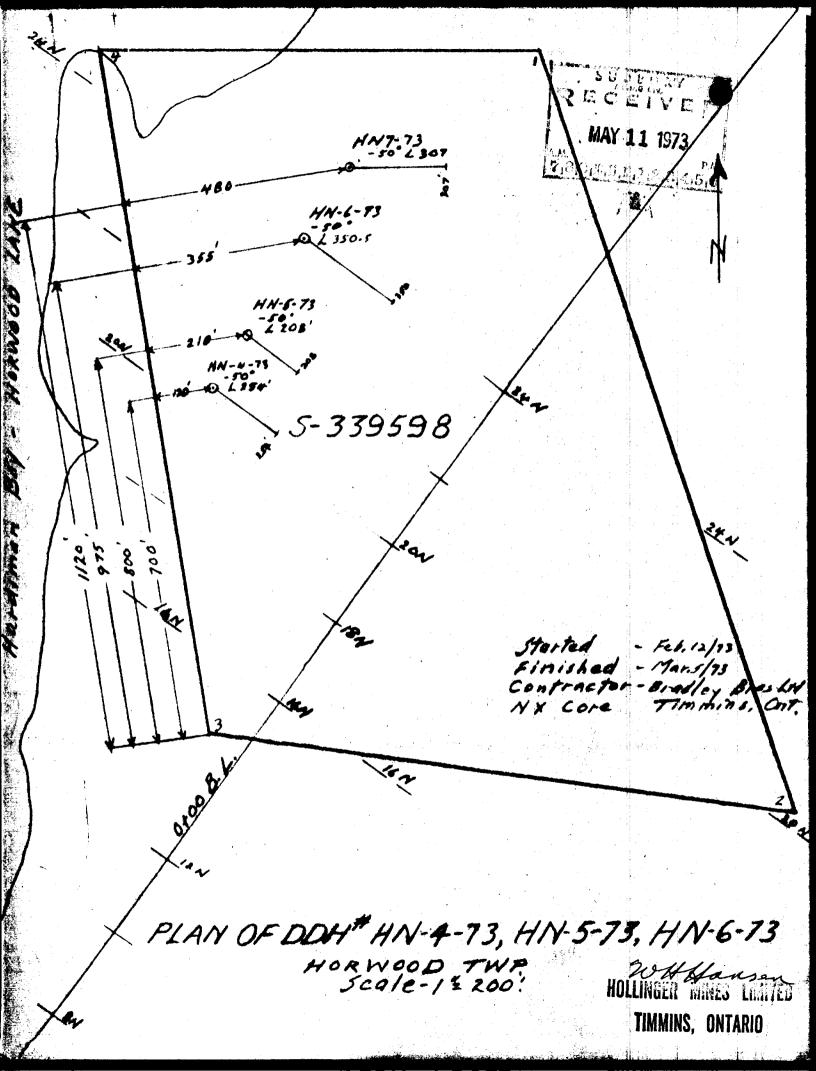
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> HN-3-73 HOLE NO. COMMENCED _____ FINISHED _____ PURPOSE OF ____ HOLE _____

#### HORWOOD-NEWMAN OPTION PROPERTY

	_EV ZIM P	PROPERTY	OOD-NEV	MAN OF	TION		PURPO: HOLE	SE OF
	T			c	ORE SAMPL	.ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		Foliation Angles with Core Axis						
		20.71 - 20° to 35° - contorted sold						
<u></u>		40.3! = 340 = !contact! batween fin	1		materi	al		·····
		46.51 - 550 - green and black 'band						
	 	61.6" - 53° - mica foliation						·····
		740 _ 1Landing! with quarts	11	2		-		
		93.51 - 65° - schistosity				<u></u>		
····		111.7' - 58° - porphyritic monzonite 122' - 67° - "	·					
		137.5' - 63° - *		·				· ·
		156.81 - 56° - "		·				
		184' <u>- 50° -</u> "						
		1961 - 54° - "						
						<u> </u>		•
<u> </u>					· ·	•		
			·					
			1					· · · · · · · · · · · · · · · · · · ·

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Loca	FOI	RM 822 DRTH	Prom #3 Post of S-339598   N 700*     20+50N   B 120*     L+90W   DIAMOND	DRII	.L. R	EPOF	<b>7</b> T	CO	LE NO. HN-4-73 MMENCED Feb. 12; 1973 ISHED Feb. 16, 1973
	AZ	EV. 126	As. (Grid East)	WOOD-NE	LIMAN C	DETON		но Но 1	RPOSE OF test geology and for molybdenite mineraliz
						od Twp.	. Ont.	·	NX Core
						ORE SAMP			
-	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	. DESCRIPTION OF SAMPLE
	0	16'	OVERBURDEN		•				
-		1							
	16 '	72.51	BIOTITE-CHLORITE-TREMOLITE SCHIST -						
			fine-grained, dark green to dark grey,				1		
			semi-schistose to schistose, and						
-			commonly intercalated with narrow						
	· · · · · · · · · · · · · · · · · · ·	1			·····				
ì. —		1	light grey, more siliceous sections						
	<u></u>		of fine-grained cherty material			<u> i</u>			· · · · · · · · · · · · · · · · · · ·
. 200-			(somewhat porphyritic in places);						
•			intercalated lenses of biotite-rich,						
·	· · · · · · · · · · · · · · · · · · ·		grey, quartz monzonite porphyry						
-			usually with sharp contacts, occur		<u> </u>	<b> </b>			
			from 20.9' to 22.8', 23.3' to 25.3',						
	· •	<u> </u>	46.5' to 46.9', 50.5' to 51.8', @						
-			58.61, 59.61 to 601, 61.61 to 651						· ·
· . 	: 		(this section contains widely spaced						
			phenocrysts of white feldspar in a						
	,	<u> </u>	matrix very similar to the main						g - 1000
			biotite-chlorite schist unit), and						
-			@ 66'; short sections of soft, talcose						
-		1	schist occur from 16' to 16.5',						1 M
			16.8' to 17.4', and 17.7' to 18.3';						17,81912,018151818,415,6
_			white quartz vein @ 73° to C.A. @ 21'						
· -			with side truncated by another veinlet					 	· · · · · · · · · · · · · · · · · · ·
_			@ 44° to C.A. (fracture density of	,					
_		1	$75^\circ$ set is 4 to 6, that of the $45^\circ$ to				l	l	·

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 $(p_{i}, \gamma_{i}) \in \mathbb{R}^{n}$ 

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# DIAMOND DRILL REPORT

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#### PROPERTY HORWOOD-NEWMAN OPT ION

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HN-4-73 HOLE NO. COMMENCED ______ FINISHED ______ PURPOSE OF _____ HOLE _____

			·	c	ORE SAMP	LES			
FROM	то	DESCRIPTION	FROM	70	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		50° set is 1 to 2); narrow (6 mm)							
		veinlet of whitish-cream to pink							
		quarts monzonite porphyry @ 54° to							
	1	C.A. @ 48.61; white quarts vein @ 70°	;						
		to C.A. @ 60'; from 60.5' to 61.7'	*			<b>-</b>			
		•	·						
		and much of unit below, rock has							
<b>P</b>		brownish tinge, appears more siliceous	<b>.</b>						
<del></del>	-+	and near lower contact is very similar							
		to metasediments mapped on surface							
		(possibly border phase of quarts ,							
		monzonite); white guarts vein @ 80°							
· .		to C.A. @ 66.9! to 67!; fractures @							
· · ·	1	65° to C.A. @ 56.5' with pink Kspar							
				· · · ·					
		alteration; sections coarser tremolite							
	-	from 19.5' to 20.8', 22.8' to 23.3'	<u>    60                                </u>	63.51		3.51			
		and 29.2' to 30'; schistosity con-							
••		torted and kinked @ 26' to 27,2' and	63.51	66.51		3.01			
		40.7' to 41.5'; 1% to 5% pyrite							
	_	disseminated as cubes and blebs	67.51	72.51	·	5.01			
		throughout, particularly along							
		fractures and margins of small quarts							
		veinlets; up to 1% blebs of pyrrhotits							
		with traces of chalcopyrite in 'banded							
		siliceous section @ 66.8', possible							
				<b> </b>					
		traces of chalcopyrite @ 32.2', 33.2',						· · · · · · · · · · · · · · · · · · · ·	
		50.11, 60.41, 60.81, 61.31, and 62.91		<u> </u>	<u> </u>	<u> </u>	ļ	ll	

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# DIAMOND DRILL REPORT

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HOLE NO. HN-4-73 3. COMMENCED__________ FINISHED________ PURPOSE OF_______ HOLE______

PROPERTY	HORWOOD-NEWMAN	OPTION
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				с	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		small filaments of molybdenite with						
		quarts in 'banded' siliceous section						
		from 66.8' to 66.9'; lower contact @						
		74° to C.A.						,
	1							
			72.51	751		2.51		
72.51	2541	PORPHYRITIC QUARTZ MONZONITE	•			· · · ·		· · · · · · · · · · · · · · · · · · ·
		white to pink subhedral & subedral	_75*	791		4.01		
·		phenocrysts (1.5 mm to 12 mm) of Kspar		831		4.01		
	<u> </u>	and plagioclase set in a fine to	831	841	n de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	1.01		
	·	medium-grained matrix composed largely		851		1.01		
		of biotite, chlorite, quarts, and	851	86 1		1.01	· · ·	
		feldspar grains; sericite is locally	861	871		1.01		
		abundant; overall unit is grey to	871	891		2.01		
		reddish-pink in colour depending on	891	911		2.01		
		whether Kapar or biotite predominates;				· · · · ·		· .
		quartz content high throughout (core			 			
		translucent in places) and large white						
		to clear zoned phenocrysts (8 to 12 mm						
		abundant; white quartz veins @ 80!						
		and 80.6' (60° to C.A.) 84.8' and						
		85.31 (40° to C.A.), 91' and 91.8'						
		(30° to C.A.), 101.8' (48° to C.A.),	1					
	1	103.81 (40° to C.A.), 106.51 and	· ·					
		107.5' (multiple @ 40° to 60° to C.A.	<u>  </u>	 				· ·
		107.3' (multiple @ 40° to 60° to C.A. 108.3' to 109.2' (multiple @ 30° to C				<u> </u>	•	

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## DIAMOND DRILL REPORT

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#### PROPERTY HORWOOD-NEWMAN OPTION

	то	DESCRIPTION		c	ORE SAMP	DESCRIPTION OF SAMPLE		
FROM		DESCRIPTION	FROM	<b>TO</b>	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	.	to subparallel), 122' (narrow @ 150	 					
	·	to C.A.), 122' to 122.5' (subparallel	•					
		to 45° to C.A.), 127.11 to 127.61				·		
		(31' to 43° to C.A.), 130.5' (10° to						
		C.A.), 1361 (10° to C.A.), 141.21 to						
		142.3* (multiple from 30° to 50° to						
		C.A.), 144.1' (5° to C.A.), 145.7'		1				
		(70° to C.A.), 146.3* (26° to C.A.),	ì	•				
		145.7' (70° to C.A.), 146.3' (26° to		1 A A		1		
		C.A.), 149.3' and 149.9' (26° to C.A.)		;		. 1		
· · ·		150.3', 161.4' (16° to C.A.); 166.9'		÷				
		(43° to C.A.), 170' & 170.7' (25° to				, <b>,</b> ,		
		30° to C.A.), 173' (15° to C.A.), 177'						
		(10° to G.A.), 178.3' (10° to 20° to		1			·	
		C.A.), 181.3' (35° to C.A.), 184.5'		L.	-			
		(47° to C.A.), 191.5', 192.8' (multipl						
		@ 80° to C.A.), 194.4' to 204.5'						
		(multiple, SiO ₂ flooding, largely @						•
		60° to C.A.), 210.3' (22° to C.A.),						
		214.8' to 215.2' (80° to C.A.), 229.2'			N		,	
		& 229,71 to 230.21 (55° to C.A.),						
		230.81 & 232' & 235.6', 236.5' (10° to						
		C.A.), 239.2' (49° to C.A.), and 242.8	1					
	1	(28° to C.A.); a number of fractures,						
		generally @ 7° to 15° to C.A., are						
		'filled' with coarse muscovite and	1		1			

FORM S12
NORTH
EAST
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# DIAMOND DRILL REPORT

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PROPERTY HORWOOD-NEWMAN OPTION

=				CORE SAMPLES					
	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
·	·		occur @ 83', 85.5', 100.1', 100.7',	911	921		1.0"		
	·····		173', 223.7', 231,5', and 235.6';	921	931		1.01		
			similar fractures @ 95.5* to 96.9',	931	951		2.01	·	
		-	111.5', 134.3' to 135', 210.3' (with	951	991		4.01		
· _			light green sericite), 223.61, 228.71	· 991	1031		4.01		
/			and 239.41 are clean or 'coated' with	1031	1041		1.01		
•				104+	1051		2.01		
, <u>,</u>			210° to C.A. with potassic alteration	1051	1061		1.01		
			envelopes also cut the core, and the	1061	1071		1.01		
			total fracture density for the 10° set	1071	1081	·	1.01		
			is 4 to 6; trace of pale yellow-green	1081	1101		2.01		·
			epidote(?) with quarts veining @	1101	1151		5.01		
			181.3' and 208'; short sections of	1151	1181		3.01		
	-		biotite-chlorite schist from 242.1*	1181	1191		1.01		
			to 242.9' and 246.9' to 247.5'; rock	1191	1221		3.01		
			is pinkish-orange in tinge down to	1221	1251		3.01		
• •			137.8', from 172.2' to 178.2' and from	1251	1301_		5.01		٠ 
			193' to 206' ((this interval also	1301	1351		5.01		•
			characterized by SiO2-flooding, a						ь
			fracture density of 6 to 7, and					· ·	
			visible molybdenite (1%) ); rock is						
			light grey with very few large zoned						
·			phenocrysts from 137.8' to 172.2',						
			and dark grey (with relatively sharp						1
			<u>contact) from 239.9! to E.O.H</u>						
			possibly finer-grained and less large	1					

MOND DRI	L REPORT
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HOLE NO.	HN-4-73	6.
COMMENCED .		
FINISHED		·
PURPOSE OF _		
HOLE		
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DIAMON	D DRILL	REPORT
PROPERTY	HORWOOD-NE	MMAN OPTION

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FORM 822 NORTH. EAST ... ELEV. AZIM. __

-			•		c	ORE SAMP	LES		
-	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
_			clear phenocrysts; pyrite (approx, 1%)	1351	140'		5.01		
-		 	is disseminated throughout as cubes	140.	1451		5.01		
. : . <u>-</u>			and blabs, commonly along fracture	2451	1501		5.01		
			margins; molybdenite occurs as flakes,	1501	1551		5.01		
· · · ·			blebs, and less commonly as filaments	1551	1601		5.01		#11 ¹
			from 83.1' to 83.3', 84.4' to 86.7',	1601	1651		5.01		
	- 		92.2' to 92.4', 103' to 109.6' and	1651	1701		5.01		
y 12000000000000000000000000000000000000	•	· · · · · · · · · · · · · · · · · · ·	118.7' to 118.8' (with large pinkish-	1701	1751		5.01		· .
taA <b>upti t</b> a na 2017 N			cream phenocryst of Kspar); moly is	1751	1801		5.01		
1.20			largely disseminated and occurs inter-	1801	1851		5.01		
na otro gele "			stitial to large feldspar and quartz	1851	1901		5.01		
n hourain the Ang	·.·		grains however, @ 84.4' to 84.7',	1901	191'		1.0'		·
· · · · · ·			moly is concentrated along a narrow	1911	1921		1.01		
-			fracture @ 40° to C.A.; molybdenite	1921	1931	· ·	1.01		······································
		<u> </u>	also occurs (commonly in large ag-	193'	1951		2.01		·
-			gregates (up to 2 mm) of flakes	1951	197'		2.01		
			approaching rosettes) from 191' to	1971	199'		2.0'		4
-			191.7', 192.7' to 192.9', 193.6' to	1991	201'	ļ	2.01		
			201.7', 202.4' to 203', 203.7' to	2011	2031	  i	2.01		1
		<u> </u>	204.71, 205.41 to 205.61, 206.51 to	2031	2051		2.01		
	PROFESSIONAL		206.81, 2071 to 207.31, 2081 to 209.61	2051	2061		1,0'	.	
and a star		X	210.6' to 213.3', 214.7' to 215',	2061	2081		2,01		
	L BATEMAN	1	218.2' to 219.4', and 220.1' to 220.3'	2081	210'	· · · · ·	2.01		
AT .B	iteman)	.]/	traces of chalcopyrite from 194' to	2101	212'		2.01		
A 30	LINCE OF UNTAIL	1	2061 and @ 223.71.	2121	2141	<u> </u>	2.01		
	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	)		2141	2151	1	1.01		

FORM 882 NORTH...... EAST. _____

ELEV.

DIP ....

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## DIAMOND DRILL REPORT

PROPERTY HORWOOD-NEWMAN OPTION

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FROM	то			c	ORE SAMP	LES		
		DESCRIPTION		то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		Foliation Angles with Core Axis	٠					
	1	х. С	2181	2201		2.01		
·····	1	16.1' - 80° - schistosity & quarts veining	2201	2211		1.0'		
	-	26.31 - 75° - " #		2251		4.01		
		38.7 ¹ - 73 ^o - ^N	2251	230'		5.01		
	-	49.3 ¹ - 71 ⁰	2301			5.01		
		56.71 - 70° - *				5.01		· · · · · · · · · · · · · · · · · · ·
		66.3' - 78° - " and 'banding'		2451		5.01		······································
		71.5' - 70° - "	245*	· · ·		5.01		· · · · · · · · · · · · · · · · · · ·
		73.21 - 69° - perphyritic quarts monzonite				4.01		
		79' - 56° - "						
<u> </u>		87.7 ¹ - 61 ⁰ - "				, ,		
		981 - 59° - <b>1</b>			· · · ·		·	
		113' - 65° - "						
		128.3' - 58° - "						
		134' - 58° - "						· · · · · · · · · · · · · · · · · · ·
		$173' - 57^{\circ} - n$						· ·
		$192' - 71^{\circ} - *$						· .
		210.8' - 51° - "		+		i	 	
	-†	233,5' - 58 ⁰ - "			1			
		·				· · ·		
		2471 _ 36 ⁰ - 'cont.' with schist				 		
<u></u>		254.5' - 65° - porphyritic quarts monsonit					 	· · · · · · · · · · · · · · · · · · ·
			<b> </b>	. <u> </u>				

Location	10		from	#3	Post	of	8-339598	
		NORTH.		22-	TON			

EAST ...

ELEV.

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#### N 800† E 210† DIAMOND DRILL REPORT

HN-5-73 HOLE NO. Feb. COMMENCED ____ 675 PURPOSE OF HOLE to test geology and drill under small moly showing.

ELEV
AZIM. 126° az. (Grid East) DIP Collar - 50°;
DIP Collar = $50^\circ$ :

5+00W

PROPERTY HORWC HORWOOD-NEWMAN OPTION Horwood Twp., Ontario

		Claim S-339598		Horwo	ood Twp.	NX Core		
		DESCRIPTION		c	ORE SAMP	LES		
FROM	то		FROM	τo	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
01	181	OVERBUR DEN						
18'	67.71	CHLORITE-TALC-BIOTITE SCHIST -						
- <b>PV</b>		fine-grained, green to light-grey,						
		semi-schistose to schistose, moderatel	221	261		4.01		
		soft to very soft; commonly 'banded!	261	271		1.01		
		as result of chlorite-rich layers	271	281		1.01		
		alternating with quarts-carbonate-rich	281	321		4.01		
		and/or talo-rich layers; 'banding'						
		crenulated in places; composed chiefly						
		of chlorite, biotite, tale, carbonate,				· · ·		
		some tremolite-actinolite, and varying						·
	-	amounts of quarts (usually as veinlets	);					
		some fractures (clean) subparallel to						
		C.A., a few @ 40°-50° to C.A., and a	ļ					· · · · · · · · · · · · · · · · · · ·
		few parallel to foliation; pyrite (tr.	 			. <u></u> ,		· · ·
· · · · · · · · · · · · · · · · · · ·		to 1%) is disseminated as cubes						
		throughout; small lenses of quartz-	<u> </u>					50 380 1.9
		feldspar porphyry to quarts-monzonite						
		porphyry are also cut within this	<u> </u>					
		unit; vuggy from 33.1' to 33.7'; moly						и.ж.
		where noted						7,819 parti, Lin Masi, 45,6
								· 4 .
		- 18' - 26.3' - chlorite-rich;						
		'banded' section						
	1							

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	DIAMOND	DRILL	REPORT

HOLE NO. HN-5-73 COMMENCED

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2.

PROPERTY	HORWOOD-NEWMAN	OPTION
PROPERTY		

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FORM 941

NORTH.

EAST.

ELEV. -

DIP _____

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FINISHED	
PURPOSE OF	

				c	ORE SAMP	LES		
FROM	TO DESCRIPTION	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	
	,	- 26.31-281 - gray, relatively fine-						
		grained quarts-feldspar porphyry						
•		(phenocrysts approx. 0.8 mm);						
		very fine disseminated flakes of		4				
		molybdenite (tr. to 0.5%).						
		mory subitizity						, ,, , , , , , , , , , , , , , , , , ,
		- 28'-34.4' - chlorite-rich section.						
		- 34.4'-39.1' - talc-carbonate section	· · ·					
	1	- 39.1'-40.9' - chlorite-rich section.						₩ <del>₩₩₩</del> ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩
		- 40.9'-42.7' - lost core.	531	571		4.0"		· ·
		- 42.7'-51.2' - talcose section.	571	60.61		3.61		
		- 51,2'-51,8' - biotite-chlorite sector		62.1		1.51		
		- 51.8'-53.1' - talcose section.	· · · · · · · · · · · · · · · · · · ·	63.61		1.5'		· · · · · · · · · · · · · · · · · · ·
····		- 53.1'-57.1' - biotite-chlorite		67.7	-	4.1"		
······				71.01		3.31		
	1	quartzitic metasediment.		75.01		4.0'		
	1	- 57.1'-59.7' - talcose section.	751	801		5.01		
	1	- 59.7!-60.7! - biotite-chlorite	801	851		5.01		
		section similar to 53.1'-57.1'	851	901		5.01		
		- 60.7'-63.6' - light grey quarts	901	951		5.01		
	-	monzonite porphyry section;	951	100'		5.0'		· · · · · · · · · · · · · · · · · · ·
		SiO ₂ -rich and somewhat translucent		105'		5.0*		· · · · · · · · · · · · · · · · · · ·
		fine disseminated blebs of molyb-	105'	110'		5.01		
		denite particularly near top.	110'	115'		5.01		· · · · · · · · · · · · · · · · · · ·
		- 63.6'-67.7' - biotite-chlorite	1151	120'		5.01		
		section; similar to metasediment		420				

				- E + E	
· · · ·	 		 	*	COMME
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#### PROPERTY HORWOOD-NEWMAN OPTION

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 $S_{i_1} = 0 = 0 \quad \text{if } i_1 \in \{i_1,\ldots,i_{i_n}\}$ 

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FORM 822

NORTH_

FROM	то	DESCRIPTION	 		ORE SAMP			DESCRIPTION OF SAMPLE
			FROM	то	RECOV.	WIDTH	ASSAY	
		considerable quarts; southered						
		porphyritic lenses.						
· · · · · · · · · · · · · · · · · · ·		·						
67.71	2081	PORPHYRITIC QUARTZ MONZONITE	1201	125'		5.01		
		- medium-grained, pinkish-orange grey	1251	130'		5.01		
	<u> </u>	to grey, composed mainly of pinkish-	1301	1351		5.01		
		orange to white feldspar phenocrysts	1351	139'		4.01		
		(up to 7 mm) set in a matrix of Kapa	1391	141 '		2.01		· · · · · · · · · · · · · · · · · · ·
		plagioclase, quarts and biotite;	1411	2451		4.01		
		from 106.2' to 113.5' biotite content	1451	1501	4	5.01		
		apparently greater and core darker	1501	1551		5.01		
		grey; 67.7' to 75' core is pinkish-	1551	1601		5.01		
		cream in colour with black to dark-	1601	1651		5.01		
<u> </u>		green biotite clots (approx. 1.5 mm);		1701	•	5.01	-	,
		from 131.5' to 182.5' rock becomes	1701	1751		5.01		, ·
	1	coarser and less pink except for	1751	1801		5.01		
		short pinker section from 148' to	1801	1851		5.01		
	1	153.2' below 182.5', rock	1851	1901		5.01		
		becomes progressively pinker although		1951	. 1	5.01		
	-	from 183.8' to 185.3' core is	1951	2001		5.01		
······		generally cream in colour with small		2041		4.01		
		clots of biotite and sericite;	204*	2081		4.01	1	· · · · · · · · · · · · · · · · · · ·
		shallow fractures 'filled' with mus- covite cut the core @ angles to C.A.				, ,		· · · · · · · · · · · · · · · · · · ·
		varying from 5° to 25° @ 81.5' to	 		 		<u> </u>	
		83' (22° set truncated by 5° set of	 	<u> </u>			 	
	_1	1 33. 122 Set truncated by 3- Set of	11	1	1	1	1	n

الما⁰⁰ «جانم مرجد ب

FORM BE2

NORTH... EAST. ..... ELEV. ..... AZIM, .....

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## DIAMOND DRILL REPORT

PROPERTY HORWOOD-NEWMAN OPTION

بكبكاب عثم بمتبطأ أكرد للجيمات بوتيات

				с	ORE SAMP	LES			
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	. DESCRIPTION OF SAMPLE	
		opposite sense) 133,3' to 133,8', 156.4	1						
		to 156.81, 184.41 to 185.31, 190.61 and							
	-	191.4'; the shallow fracture set sub-							
		parallel to the C.A. is prevalent							
		throughout, and is usually clean or						· ·	
		chloritic - it has an estimated		-					
		fracture density of 3 to 5; a few narro						· · · · · · · · · · · · · · · · · · ·	
		quartz veinlets cut the core @ 35°-40°				·			
		to C.A. such as @ 92°, 178.6' and 206.1							
		a trace of yellow-green epidote(?) occur	<b>B</b>						
	·	with pyrite along the margins of some		1					
		quartz veinlets; small lenses of pink						· · · · · · · · · · · · · · · · · · ·	
	łł	cherty siliceous material cut the C.A.		-					
	· .	@ 60° to 65° @ 111.7', 150.4', 153' to	<u> </u>		·				
		153.3' and 203.2' to 203.5'; short	·			<u></u>			
<u></u>		section of pink coarse porphyritic	·						
		quartz monzonite from 148' to 148.3';	ļ	ļ			 		
		pyrite occurs as small blebs and cubes							
		disseminated throughout and along the							
		margins of quarts veinlets; a few bleb							
PROFESSION	7 V	of pyrrhotite and chalcopyrite occur @	1						
AFE DHUIDOUGH	E LO	139.8' to 140.2' (partly along fracture							
P. J. BATEM		@ 30° to C.A.); lost core from 114.4'							
Baliman	2.1	to 116' and 197.2' to 198'.	<u> </u>	1	1	  .			
OUINCE OF OF	1		 	1	+				
A COLORADO		E.O.H 208'	₩ 		+		+		

FORM BE2	
NORTH	
EAST.	
ELEV	
AZIM	

DIP

## DIAMOND DRILL REPORT

PROPERTY HORWOOD-NEWMAN OPTION

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				c	ORE SAMP			
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
							1	
		Foliation Angles with Core Axis						
	1	21.5' - 68° - schistosity, 'banding'		······································				
<u></u>		26.5' - 65° - qtz-feldsp. porphyry						
				· · · · ·				
		31.4' - 77° - schistosity, 'banding'		••••••				
		51.3' - 68° - biotite		· · · · · · · · · · · · · · · · · · ·		· · ·		
		60.3' - 85° - chlorite-biotite						
<del></del>		67.71 - 72° - 1contact1						
		95.5' - 65 [°] - porphyritic						
		106' - 53° - porphyritic		· .				
		$112.5' - 65^{\circ} - "$						
		117.5' - 65° - *				•		
		126' - 60° - "						
		134.31 - 55° - " and biotite						
	1	136.8 ¹ - 55 ⁰ - * *						
		147.5', - 72° - "		·		. <u></u>		
****		151.5' - 52 [°] - "			- n=			
		<u>161.7' - 68° - "</u>						
		176.3' - 58° - "						
		182.5' - 65° - "						
		<u>192' - 68° - "</u>						
<u></u>		201,5' - 61° - "	<b>  </b>		ļ			
			<b>  </b>					
K	<u> </u>		Í					
						1		

A 4-4 (4) AV A A A A A A A		· · · · · · · · · · · · · · · · · · ·		• . · · · · · · · · · · · · · · · · · ·
Location of	Collar	from #3	Post of S-339598	N 975' E 355'
		FORM \$22	21+00N	E 355'

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## DIAMOND DRILL REPORT

HN-6-73 HOLE NO. COMMENCED FINISHED_ Mar 1973 PURPOSE OF test geology and drill

A	LEV	5+21W   DIAMOND     1' aboye B.M.#1   DIAMOND     0' az. (Grid East)   PROPERTY     1ar - 50'; 350' - 51'   PROPERTY	RWOOD-N		PURPOSE OF HOLE to test geology and dri under main moly showing.			
		Claim S-339598		Hor	wood Tw	p., Ont		NX Core
FROM	то	DESCRIPTION	CORE SAMPLES					DESCRIPTION OF SAMPLE
			FROM	то	RECOV.	WIDTH	ASSAY	
01	81	OVERBURDEN				·····		
			•					
81	17.21	CHLORITE-BIOTITE SCHIST - green to dark		<u> </u>				
		green, fine-grained, schistose; some						
		tale and carbonate; some biotite in	· ·					
		'clots' or as thin black 'bands'					ľ	
······		alternating with green chlorite;						
		possible_shearing; pyrite_throughout						
		(tr. to_1%) as cubes and blebs;						
		schistosity contorted in places,	·			·		
		- @ 13.5' - short section of porphyry.		·				
								·
17.21	18.21	QUARTZ-FELDSPAR PORPHYRY - grey to light						
	_	grey, fine to medium-grained with white						
		to light greenish-cream phenocrysts						
		(0.7 to 1.5 mm) of feldspar and some						· · · · · · · · · · · · · · · · · · ·
		quartz; phenocrysts are subhedral to	ļ					
<u></u>		euhedral; tr. to 1% pyrite disseminated						
·		throughout; upper contact @ 70° to C.A.					ļ	RECEIVEL
				·				MAY 11 1973
18.21	36.31	CHLORITE-BIOTITE-TALC SCHIST -						₩.M. P.M. 1710(421112)35210.41510
		similar to unit described above; greyer						tan an in tan
		and more siliceous sections from 20.31						<i>(</i> )
		to 21' and 28' to 28.9'; contacts						
		relatively sharp @ 60° to 70° to C.A.;						
		narrow cream to grey-white quartz						·

FORM 828 NORTH_ EAST, .

## DIAMOND DRILL REPORT

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HOLE NO. HN-6-73 COMMENCED _____ FINISHED _____ PURPOSE OF __ HOLE .....

	IP	PROPERTY HOR	WOOD-NE	WMAN_	OPTION rwood Tr	t 	·	
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FROM	то	DESCRIPTION	FROM	с то	ORE SAMP	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
······	<u>}</u>	section cut by green chlorite-filled	,					
		fractures near top of latter siliceous						
	, , , , , , , , , , , , , , , , , , ,	section; from 27.2' to 27.6', section	,					
		with some green tremolite and grey-						
		white quartz 'fragments'(?); dissem-						
		inated pyrite (chiefly cubes) throughat						
• <u></u>		@ 33.5', quartz vein (6 mm wide @ 78°						
	_	to C.A.) displaced by quartz-filled						
		fracture (5 mm wide @ 30° to C.A.);		·				
		lower contact @ 58° to C.A.						
36.31	48.31	QUARTZ-FELDSPAR PORPHYRY -			· · ·			
		similar to unit above down to 39.6',						
		below which unit is coarser, creamier						
		with more abundant phenocrysts to						
		43.81; then grey with scattered white		. <u></u>				•
		phenocrysts to 46.3', creamy and coarse						
w		to 47.1', grey with sparse white						
		phenocrysts gradually becoming more						
	· · · · ·	abundant downhole to 47.4', then coarse						
· •		and creamy to 47.9°, and grey-brown-				. <u>—</u>		
		cream porphyry - 'chert' to 48.3'; cut				<u></u>		
<i></i>		by fractures subparallel to C.A.	, <u> </u>					
			ļ					
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FORM SEE NORTH......

ELEV. -

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DIAMOND DRILL REPORT	Γ	•
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	IP	PROPERTY			Horwood		Ont.	
• <u> </u>				c	ORE SAMP	LES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
48.31	58.91	ALTERNATING CHLORITE-BIOTITE SCHIST	58.9	631		4.11		
·····		and QUARTZ=FELDSPAR PORPHYRY =	631	671		4.01		
·····		green to dark green, fine-grained	671	71'		4.01		-
		chlorite-biotite schist alternating	71'	751		4.01		
		with grey to light grey more silicsous	751	791		4.01		
		sections with white phenocrysts; 'bande	a' 791	811		2.01		
		in places; creamy !chert ! section from	811	841		3.01		
		53' to 53.4' cut by late fractures	84 1	861		2.01		·
		filled with biotite; parts of this unit	861	891	 	3.01		
		vary from fine-grained porphyry to	891	921		3.01		
		metasediment as logged in previous	921	961		4.01		
	. ·	holes; contact with underlying monzonite	961	1001		4.01		, 
		@ 70 ⁰ to C.A.	1001	1051	<u>.</u>	5.01		
•		- lost core from 49° to 50° and	1051	110'		5.01	L	
		54.6! to 55'.	110'	1151		5.01		·
			1151	1201		5.01		<b>5</b>
58.91	350.5	PORPHYRITIC QUARTZ MONSONITE -	1201	1251		5.01		·
		medium to coarse-grained, grey-cream	1251	1301		5.01		•
		to pinkish orange; phenocrysts (some	1301	1351		5.01		
		rounded) of pink to clear cream Kapar	1351	140'		5.01		
		(6 to 8 mm long) and white feldspar	11.01	1451		5.01		
		(orthoclase and plagioclase) (1 to 2 mm				5.01		
		biotite and chlorite are main mafic	1501	1551		5.01		
		minerals; sericite/muscovite is locally	1551	160'		5.01		/
		abundant; cut by narrow quartz-filled	1601	1651		5.01		
	}	fractures @ 25° to 27° to C.A., @ 50°	1651	1701		5.01	i ii	

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HN-6-73 HOLE NO. COMMENCED __ FINISHED _____ PURPOSE OF _____ HOLE _____

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				t					
FROM	то	DESCRIPTION	CORE SAMPLES				ASSAY	DESCRIPTION OF SAMPLE	
,	-	to 60° to C.A. and @ 70° to 75° to C.A.	170'	1751		5.01			
		also by fractures (commonly with quartz	K . ·	1791		4.01			
	· · · · · · · · · · · · · · · · · · ·	traces of epidote, and pyrite) @ 5° to	179'	1811		2,01		·	
		10° to C.A. with an estimated fracture	181'	183'		2.01			
		density of 5 to 10, also by generally	183'	1851		2.01			
		clean fractures @ 15° to 20° to C.A.	185'	190' 195'		5.0' 5.0'			
		with a fracture density of about 2; also a few fractures with reddieh	1951			2.01			
	-	potassic alteration @ 20° to C.A. and	197'	2021		5.01			
		subparallel; core broken and chewed up	2021	2071		5.01	 		
		from 103.5' to 112.2'; lost core from	2071	2121		5.01			
		115.1' to 117.9', 122.1' to 122.9' and	212'	2171		5.01			
	-	from 142.2' to 143.4'; pyrite dissem-	217'	2191		2,0'	· ·		
		inated throughout or as blebs along	219'	2231		4.0'			
		fractures subparallel to C.A. (tr. to 1%); molybdenite where noted; large	223 ' 227 '	227'		4.01			
· ·		zoned feldspar phenocrysts (6 to 8 mm)				4.01			
		throughout.	2351	1		5.01			
		- 58.9 - 59.5' - somewhat bleached.	2401	2451		5.01		· · · · · · · · · · · · · · · · · · ·	
		- 59.5' - 78.5' - grey section.	2451	2501		5.01			
		- 78.5' - 78.6' - lens of chlorite-	2501		1	5.01			
· · · · · · · · · · · · · · · · · · ·		biotite schist underlain by white	2551			5.01	<u> </u>		
<u></u>		quartz veinlet. - 78.6! - 92.7! - slightly coarser,	2601 2651			5.01			
		- 10.0 2001 DITRUNTA ANDRES	H	1	·   ····		·!		

2751

2801

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2751

featuring multiple quarts veining

and pinkish-cream colour in upper

5.01

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HOLE NO. HN-6-73

COMMENC	ED.,
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PROPERTY	HORWOOD-NEWMAN	OPTION

Horwood Twp., Ont.

		· · · · · · · · · · · · · · · · · · ·		со	RE SAMPL	.ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		7 feet; large zoned feldspar	2801	2851		5.01		
		phenocrysts (6 by 8 mm) near or	2851	2901		5.01		
		rimmed by biotite 'clots' @ \$2.5';	2901	2951		5.01		1 17 Mart 1997 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		sericite/muscovite abundant with	2951	3001		5.01		· · · · · · · · · · · · · · · · · · ·
		quartz as books and 'clots';	3001	305 •		5.01		· · · · · · · · · · · · · · · · · · ·
<u></u> t		molybdenite flakes from 79' to	3051	310'	·	5.01		
		79.1' in quarts and along vein	310'	3151		5.01		· · · · · · · · · · · · · · · · · · ·
		margins, and as filaments with	3151	3201		5.01		
		quartz and along veinlet margins	3201	325'	L	5.01		· · · · · · · · · · · · · · · · · · ·
		from 79.41 to 86.81, also @ 90.11	3251	3301		5.01		· · · · · · · · · · · · · · · · · · ·
		and 91,61; a few hairline potassic	3301	3351		5.01		
		altered fractures subparallel to	3351	3371		2.01		
. <u> </u>		C.A.; possible trace of chalco-	3371	3391		2.01		·····
		pyrite from 82.51 to 831.	3391	341.51		2.51	<u> </u>	
		- 92.7' - 95.2' - lens of chlorite-	341.5	346.51		5.01		
	<u> </u>	biotite schist; contacts sharp -	346.51	350.51		4.01		·
		lower of which is @ 47° to C.A.;						
		possibly some tremolite.	1	·				·
		- 95.2' - 97.6' - grey to pinkish-orang	8	L		ļ		
		quartz monzonite.						
<u>.</u>		- 97.6' - 102' - pink to reddish-orange			ļ			
		section of quarts monzonite.						
	<u> </u>	- 102' - 106.2' - greyish-cream colour	1	 	<u> </u>			
		to section.	ļ	L				
		- 106.2' - 135.5' - pinkish-orange			<u> </u>			
	{	quartz monzonite.						

FORM 822 NORTH

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DIAMOND	DRILL	REPORT
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HOLE NO. HN-6-73

COMMENCED, FINISHED______ PURPOSE OF______ HOLE_____

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Horwood Twp., Ont.

				cc	RE SAMPL	ES		
FROM	то	DESCRIPTION	FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 135.51 - 135.91 - white quarts vein						
		and small lens of chlorite -	1. S.	• .		Г		
		biotite schist.	-		· ·			
		- 135.9' - 152' - pink section with				۰. ۵		
<del></del>		considerable grey-white to clear-						
		white quarts veining accompanied			$-10^{-10}$			
		by sericite/muscovite and pyrite;			· · ·			
		quartz vein with traces of epidete			1			
		and chlorite on margins @ 18° to						
		C.A. from 137.9' to 138.3';						
		sections from 139.3' to 141.9'						
		and from 147.9' to 151' are		•				
•		relatively coarse and uniformly						
		pink except for scattered biotite						
<u></u>		and sericite/muscovite 'clots';	· .					
		sericite is abundant throughout	· · ·					
<del></del>		this section and epidote is quite						
		conspicuous along fractures and						
		interstitial to large feldspars;						
		large quarts vein from 140.6' to						
		1/,1.4.*.	 				<u> </u>	
	ļ	- 152' - 178,5' - orange-pink section,				 		
		relatively uniform; narrow grey						· ·
		quartz veinlet with red Kspar,						
		epidote and pyrite alteration @						, ···
	}	3° to C.A. from 170' to 171';	<u>  </u>					

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## DIAMOND DRILL REPORT

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HOLE NO. HN-6-73

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PROPERTY	HORWOOD-NEWMAN	OPTION
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#### Horwood Twp., Ont.

	T			c	DRE SAMPL	ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		white qts veinlet @ 29° to C.A. @						
		177.4*.						
	J	- 178.5' - 206' - section is creamy-pink-						
		grey to grey in colour; 180'-183'	·					
·		lost core; molybdenite flakes @				,		
<u></u>	ļ	179.8' to 180' and 183' to 183.1'			ļ			•
		with quartz @ 70° to C.A., and from						·
, 		184.6' to 184.7' with pinkish narrow						
		quartz vein @ 80° to 85° to C.A.						
		(also 190.3' to 190.4' very fine						
		dissem. moly and pyrite); tr. of						
<u></u>		chalcopyrite with pink q.v. @ 196.2"						
		- 206' - 208.6' - cut quarts (grey-white)			ļ			
		veinlet subparallel to C.A. with	```	ļ. <u></u>				
		considerable orange-red Kspar altera-		<u> </u>	ļ			
		tion and muscovite/sericite.			ļ		<u> </u>	
		- 210' - 225.3' - cut white quarts vein			· ·			
		(poss. 5 cm wide) and veining sub-						
		parallel to C.A., with cream to pink						
		Kspar alteration, some yellow-green						
		epidote, sericite, and considerable				-		
		pyrite as relatively large blebs						
		(1.5 mm to 9 mm); blebs of molybdenit						· · · · · · · · · · · · · · · · · · ·
		@ 218.3' with quartz vein @ approx.						
		32° to C.A.						
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## DIAMOND DRILL REPORT

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COMMENCED.

HOLE NO.

FINISHED.	
PURPOSE OF	
HOLE	

HN-6-73

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					ood Twp	., Ont.		
	T			' C(	ORE SAMPL	ES.		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	<u> </u>	- 225.8' - 234' - either same quarts vein					1	······································
<b></b>		as above or another closely spaced,		·				
		subparallel to C.A. and probably only						
	<u> </u>	10 to 15 mm wide; prominent alteration	n					
		envelope in parts consisting of coars	8	 				
		books and 'blades' of muscovite/						•
		sericite and phlogopite (up to 4.5 mm	·		·			
		by 1.5 mm).						· · ·
		- 236.5' - 269.4' - section is characteriz	ed					·····
. =		by very dark grey to black matrix and						
····•		white and orange-pink phenocrysts;						
		a few areas are biotite-chlorite			<u> </u>			
	<u> </u>	clots; well=foliated; similar to						·
	<u> </u>	section @ bottom of hole #4; lost			<u></u>	 		
	<u> </u>	core from 245' to 246'; 18 mm-wide						
	<u> </u>	grey-quartz vein cuts core @ 150 @						
		247.4' to 247.8' (very thin) epidote						
		alteration envelope; quartz (grey)	<u></u>					· · · · · · · · · · · · · · · · · · ·
		veinlets @ 254.3' (@ 38° to C.A.)						· · · · · · · · · · · · · · · · · · ·
		and 261.5' (@ 75° to C.A.), both with				<u> </u>		
	_	pyrite blebs; white-grey quarts vein					ļ	
		from 267.7' to 267.9' @ 70° to C.A.	ļ				ļ	
		and @ 269,5' @ 57° to C.A. (both	<u> </u>	ļ		ļ	<b> </b>	
		enveloped by reddish-pink potassio	 	ļ				
	<u> </u>	alteration in surrounding rock);				ļ	ļ	
	1	fractures subparallel to C.A. here						

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# DIAMOND DRILL REPORT

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HN-6-73 HOLE NO.

COMMENCED FINISHED PURPOSE OF HOLE

PROPERTY	HORWOOD.	NEVMAN	OPTION
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				C	ORE SAMPL	.ES		
ROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	ļ	are usually red from potassic			ļ			······································
		alteration:						
	ļ	- 269.4! - 272.3! - section is guite					{	
		reddish-pink with quartz veining					<u> </u>	
		(white and grey-white) @ 70°, 21°,			+	[ 	<b>  </b>	
		and 53° to C.A.					[	
- <u>.</u>		- 272.31 - 306.41 - section is grey to			-			·
	ļ	dark grey with phenocrysts mainly					<u>  </u>	
		white to cream; lost core from 275.7!					· · ·	
		to 276.9', from 287.2' to 288.1', and	 }					. · ·
		from 298.4' to 299'; grey-white quart	3			 	<u> </u>  _	
	ļ	veinlet @ 48° to C.A. @ 236', and	ļ					
	·	quartz voining with pink altoration			· ·			
	ļ	@ 288.6"; large bleb of pyrite strung					· .	· · · · · · · · · · · · · · · · · · ·
	<b> </b>	along fracture @ 45° to C.A. @ 278.7	•				ļ	
		- 306.4' - 330.8' - subtle change from						
		unit above, with more pink pheno-	<b> </b>	ļ				
		crysts and reddish-pink Kspar in	<b> </b>					
	<u> </u>	matrix; white quartz vein with pink			+		₽	, 
		alteration and pyrite intersected	<u> </u>	<u> </u>	_ <u></u> ,	<u> </u>	·	
		subparallel to C.A. from 309.6' to				<u> </u>	<u>  </u>	
		311 [°] , narrow quartz veinlets @ 70 [°]			-		┦	
		to 80° to C.A. cut @ 317.8', 318',	1			 	.   -	······································
		318.4', 318.7', and 319'; core lost	<u> </u>			<u> </u>		
	<u> </u>	from 326.7' to 328'.		ļ			<u> </u>	

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HOLE NO. HN-6-73

PROPERTYHORWOOD_NEWMAN_OPTION
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#### Horwood Twp., Ont.

			CORE SAMPLES					
FROM	ч то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 330,8' - 332,4' - narrow 'band' or lens						
		of chlorite-biotite schist with sharp						
		upper contact @ 58° to C.A. to 331.21						
		followed by grey-white massive quarts						
		vein with contained small sections of						
		quartz-feldspar porphyry, pyrite and	'					
·	ļ	lower contact @ 19° to C.A.						
		= 332.4' = 335.5' = section of porphyritic	a					
	ļ	quartz monsonite varying from mottled					ļ	
••••••••••		reddish-pink and dark grey to dark	4					······································
		grey.					ļ	
		- 335.5' - 336.8' - another lens of green						· · · · · · · · · · · · · · · · · · ·
. <u></u>	<u> </u>	to light pinkish green chlorite-			· ·			
		biotite schist with intercalated .			<u> </u>		. 	
		sections of grey quartz-feldspar				ļ	ļ	·
	<b>_</b>	porphyry; upper contact sharp but					ļ	•
. <u></u>		irregular (almost lobate), lower						
		contact sharp @ approx. 50° to C.A.		<b> </b>				· · · · · · · · · · · · · · · · · · ·
		- 336.8' - 350.5' - grey to creamy-pink			ļ		<u> </u>	·
		porphyritic quarts monzonite with	 		ļ	ļ		
		considerable guarts veining from 20°		-	·	ļ		· ·
		to C.A. to subparallel (338.8' to			-			
<u></u>	<b></b>	341' and 344.7' to 346.4'); narrow				<u> </u>		
		quartz veinlet with epidote and	1			1		
		sericite and fine disseminated pyrite		<u> </u>	ļ	<u> </u>		
	1	@ 73° to C.A. @ 348.5'; trace of	<b> </b>	<u> </u>			<u> </u>	1

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	1				WOOD TH		<b>6.</b>	
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		molybdenite as small flake in grey-						
		white quarts @ 339.4'.						
								· · · · · · · · · · · · · · · · · · ·
	1		Ì					
	1	E.O.H. 350.5'	1		1			·····
		<u> </u>	1					
								· · · · · · · · · · · · · · · · · · ·
		at D PROFESSION AL			-			
	tt-	P. J. BATEMAN			1.7			
	<u> </u>	P. J. BATEMAN T						· · · · · · · · · · · · · · · · · · ·
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		20 LIANCE OF CHIEFE			-	·		
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						}		
	<u>}</u>							· · · · · · · · · · · · · · · · · · ·
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FORM SEE

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# DIAMOND DRILL REPORT

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HOLE NO. HN-6-73

PROPERTY_____HORWOOD_NEWMAN OPTION

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				C	DRE SAMPL			
ROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
					ļ		ļ	
		Foliation Angle with Core Axis		·				
	·	11.9' - 65° - schistosity					-	<u> </u>
		<u>27.81 - 69⁰ - "</u>						
<u> </u>		<u>361 - 560 - 12</u>	1	·			<b>  </b>	•
		58.2' - 71° - 'banding'	 					
-		59.5' - 59° - porphyritie	ļ				· .	·····
1. 23		80-21 - 65 ⁰ - H						
<u></u>		102.41 - 500 - 7						· · · · · · · · · · · · · · · · · · ·
		<u>119' - 50° - " and bioti</u>			ļ			
	}}	127.3! - 47 ⁰ - porphyritia					<u> </u>	·
		144.51 - 500 - #				·	· · ·	
	<b> </b>	171' - 67° - " and bioti	te					
<u></u>		<u> 196* - 73° - *</u>						
		<u>217' - 56° - "</u>	<u> </u>		+			
	<u> </u>	<u>237' - 63° - "</u>	<u> </u>					
		<u>2521 - 57⁰ - 11</u>						
		2621 - 57° - *	···				╀╟-	
		2671 <u>55</u> ° • "	l					
		277.51 - 560 - 11	1		+			
<u> </u>		2981 <u>53</u> ° <u>1</u>		<u> </u>				
	<u> </u>	311.5' - 63 [°] - "				<u> </u>	-}	·
		329.47 - 52 ⁰ - "				<u> </u>	┨∦-	
		342.5' - 45 [°] - "		·			┨	· · · · · · · · · · · · · · · · · · ·
	[]		1			1		

#### Location of Collar from #3 Post of 8-339598

25+75N 5+25W

ELEV. 126° as. (Grid East) AZIM. 126° as. (Grid East) DIP Collar = 50°; 306° = 48.5°

FORM 822

NORTH.

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#### DIAMOND DRILL REPORT

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#### PROPERTY_____HORWOOD_NEWMAN

HOLE NO.	HN-7-73		
COMMENCED.	Mar.	2:	1973
FINISHED	Mar.	5	1973
PURPOSE OF			
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miner	alization.	9_1	and probe or molybdenit
ora			

	1		CORE BAMPLES					
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
			•					
0	12'	OVERBURDEN						
					ļ			
121	56.81	ALTERNATING LENSES OF CHLORITE -	·					
		BIOTITE SCHIST AND FELDSPAR PORPHYRY:			4			
	ļ	light green to green, grey, and						
	· · · · · · · · · · · · · · · · · · ·	*banded* schistose lenses composed						
		mainly of chlorite, biotite (phlogo-						
		pite?), some quarts, feldspar and						
		carbonate alternating and possibly						
		intercalated with lenses of grey	 		ļ			
		siliceous feldspar porphyry; porphyry		<u> </u>	<u> </u>		· .	
· · · · · ·		phenocrysts of cream to white feldspar			·		ļ	·
		(subhedral) from 0.7 to 3.0 mm;		·				
		contacts between units generally sharp	}					
		though commonly irregular (and lobate)	¥	·				
······		a few porphyry units feature a						
		prominent foliation (generally	╢			·		MAY 11 1573
		parallel to schistose lenses above						1 pr
	-	and below) marked by orientation of	<b> </b>			·		V.3.000.001100.0.0.5.6
		phenocrysts and shear planes along		+		· [		, <b>A</b> \
		which are found chlorite 'clots' and						
		smears; contacts of porphyry commonly						
		accented by concentrations of creamy-					<u> </u>	
	}	pink feldspar; pyrite common throughout		·				
		as blahs cubas and smeaner sabistasity	<u> </u>			<u></u>	1	

FORM 822

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DIAMOND	DRILL	REPORT

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HOLE NO. HN-7-73

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PROPERTY	HORWOOD-NEWMAN

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	1		•	cc	RE SAMPL	.ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		of schists crenulated, even dragfolded						
		between 38.2' and 56.8'; a few marrow		,				
		quartz-feldspar seams (5 to 10 mm wide) @						
		60 ⁰ to C.A.						
	1	- 12! - 13.8! - schist unit						
. <u> </u>		- 13.8'-16.2' - feldspar porphyry			1		<u> </u>	·
		- 16.2'-18.4' - lost core						· ·
	1							
		- 18.4'-18.6' - feldspar porphyry						
		- 18.6' - 19.0' - schiat						
		- 19.0'-19.2' - feldspar porphyry						
·····	<u>}</u>	= 19.2'=19.6' = schist						
	·	= 19.61-221 = feldspar porphyry						
		- 22! - 26.1! - schist with some tale		 		<u> </u> ,		
		- 26.1'-28.1' - lost core						
		- 28.1'-30.3! - achist with some talc		ļ	ļ		<u> </u>	· · · · · · · · · · · · · · · · · · ·
	<u> </u>	= 30.31=30.41 = narrow lens of cream	ļ		ļ	ļ	ļ	
		quartz monsonite.				<u> </u>	ļ	
		- 30,4'-31,2' - schist				ļ		
		- 31.2'-31.6' - feldspar porphyry						
		- 31.6'-33.5' - schist						
		= 33.51-33.71 - feldspar porphyry						
		- 33.7'-35.4' - schist						
		= 35.41=36.81 = fine-grained siliceous						
<u></u> , <u>, , , , , , , , , , , , , , , , , , </u>	1	unit similar to porphyry matrix.		1			1	
	1	- 36.8'-37.5' - schist with some talc(?)		1				
		and pyrite cubes.	#	+	-	+	1	

FORM 822

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#### DIAMOND DRILL REPORT

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#### HORWOOD-NEWMAN PROPERTY_

HOLE NO. 11-7-73 3. COMMENCED. FINISHED. PURPOSE OF. HOLE.

<u></u>				co	RE SAMPL	ES			
FROM	то	DESCRIPTION	FROM	то .	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		- 37.5'-38.2' - schist unit with con-				•			
		siderable silica content.							
·		- 38.2'-48.7' - schist with dark-green							
		fine-grained lenses apparently more						·	
		siliceous and possibly equivalent to							
		fine-grained dark grey to black						·	
		siliceous ('baked'?) exposure mapped							
		on surface (L24N) just west of main							
		showing.							
		- 48.7'-50' - lost core							
<u></u>		- 50'-52.6' - similar to schist above.							
		- 52.6'-53' - feldspar porphyry	52.61	56.81		4.21			
<u></u>		- 53'-55' - schist							
		- 55'-55.9' - lost core							
		- 55.9'-56.8' - schist with lower contact							
		@ 52° to C.A.							
56.81	3071	PORPHYRITIC QUARTZ MONZOHITE:	56.81	60.01		3.21			
		grey to orangy-pink matrix set with							
		creamy-white to pinkish-orange pheno-						·	
		crysta (up to 5 mm) (some zoned and							
	1	clear) of Kspar and plagioclase; down to		·					
	<u> </u>	about 100' and numerous white or pink							
		subhedral to suhedral smaller feldspar							
		phenocrysts (up to 1.5 mm); disseminated							
	1	pyrite as cubes, and blebs throughout;	n					•	

FORM 822 NORTH_

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HORWOOD-NEWMAN PROPERTY.

HN-7-73 HOLE NO. COMMENCED.

PURPOSE OF.

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	T			cc	RE SAMPL	.ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		fine-grained siliceous banding with pyrit						
		from 56.8' to 58.3' with biotite (phlogo-						
		pite(7)) - rich unit from 56.9' to 57.5';						
		numerous quarts veins and veinlets cut						
	1	the unit @ 65.1'-66.7' (upper contact @	•					
		63° to C.A., lower contact @ 70° to C.A.)						
		691-69.21 (@ 65° to C.A.), 91.91-931	601	641		4.01		
		(subparallel to 30° to C.A. with a	641	651		1.01		
	1	fracture density of 7 to 9), 103.5'-104.2		701		5.01		
•		(@ 12° to C.A.), 113.1'-117.5' (sub-	701	751		5.01		· · · · · · · · · · · · · · · · · · ·
	1	parallol to C.A.); 119'-121.8' (sub-	751	771	-	2.01		·
	+	parallel to C.A.), 130.2'-130.6' (@ 27°	771	801		3.01		
		to C.A.), 132.8'-135' (narrow with dark	801	851		5.01		* <del>************************************</del>
· · · · ·	1	green chlorite and subparallel to C.A	851	901		5.01		*
		apparently cuts and offsets number of	901	951	+	5.01		
			951	1001		5.01		
		white quarts veinlets nearly $\perp$ to C.A.); 135'-136.4' (considerable number of white		T	1			······································
	· · ·			1051		5.01	<u></u>	
		g.v. 2 70° to 90° to C.A fracture		110'		5.01	<u> </u>	
<u></u>		density of 3 to 5), 140.8'-141.1'(narrow		115'		5.01	·	
		@ 25° to C.A.), 143.1'-145' (various		1201		5.01		·
		narrow veinlets subparallel to C.A. (with				5.0'	<u> </u>	
<u> </u>		chlorite), @ 60° to C.A. (with or without		1301		5.01		
		chlorite) and @ 25° to C.A. all cutting	<u>  </u>	135'		5.01	<b>  </b>	
<del> </del>		each other and apparently synchronous),	135'	140'		5.01		
		163'-164.7' (system of narrow grey-white	1401	1451		5.01		
	1	q.v. with chlorite, sericite, and sur-	2451	1501		5.01		

FORM 822

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				cc	RE SAMPL	.55		
-ROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		rounding pink Kspar with considerable						
		silica @ varying angles to C.A. from 15°						
		to 33° but part of same set having						······································
		fracture density of 8 to 10), 167.6' (q.v.						
		with chlorite @ 24° to C.A.), 177.9'-		1551		5.01		
		178.7' (blue to grey-white quartz veinlet	1551	160*		5.01		
		with green chlorite margins @ 14° to C.A.	1601	163*		3.01		,
		- also considerable pink Kapar and	1631	165		2.01		
		sericite in surrounding rock - this	1651	170*		5.01		
		veinlet cut and displaced by narrow	1701	1751		5.01		
		chlorits-filled fracture @ 35° to G.A.	1751	1801		5.01		
		in opposite sense), 186.5'-187.5' (sub-	180'	185!		5.01		
		parallel to 20° to C.A. with biotite-	1851	190*		5.01		
		muscovite, chlorite and pyrite), 188.4'-	190'	195"		5.01		
		188.8' (subparallel with some pale pink	1951	200*		5.01		-
		Kspar), 191.2'-191.6' (narrow @ 20° to	2001	2051		5.01		
		C.A.), 195.2'-200' (considerable veining	2051	210*		5.01		
		@ 40° to C.A. to subparallel in pink Kapar	2101	215*		5.01		
		-rich section with scattered small black	2151	2201		5.01		
-		biotite 'spots' - also 1%-2% pyrite as	2201	2251	•	5.01		
		blebs and seams), 202.1' (4 65° to C.A.),	225 •	2301		5.01		
		225.5'-230.6' (number of grey-white q.v.	2301	2351		5.01		
		@ 40° to C.A. with estimated fracture	2351	240"		5.01		
		density of 2 to 3), 233'-234' (a few small	2401	245		5.01		
		'bands' of coarse pink Kspar-plagioclase	2451	2501		5.01		
	1	@ 80° to 90° to C.A.) (also @ 247.8"),	2501	2551		5.01		

FORM S22

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#### DIAMOND DRILL REPORT

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#### HOLE NO. 11-7-73

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FROM	то	DESCRIPTION		C	RE SAMPL		DESCRIPTION OF SAMPLE	
		DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		249'-250.6' (grey-white g.v. @ 7° and	2551	2601		5.01		
		50° to C.A.), 259.7'-268.8' (wide white	2601	2651		5.01		
	ļ	to grey-white quartz voin with some Kspar	2651	2701		5.01		
		and sericite, and pyrite blebs along both	2701	2751		5.01		
		contacts @ 40° to C.A.), 264.9'-266.4'	2751	2801	1	5.01		
		(as above with more muscovite/sericite.	2801	2851		5.01		•
		and chlorite, and subparallel curving	2851	2901		5.01		
		fractures), 273'-273.3' (grey-white quarts	2901	2951		5.01		
11 .		veinlet @ 40° to C.A. with some sericite,	2951	2991	T	4.0'		
	1	chlorite, and epidote) 277.31 and 279.41	2991	3031		4.0"	-	
		(narrow veinlets with epidote and		307	2.5	4.01		
		sericite(?) @ 30° to C.A.), 284'-284.5'						<del> </del>
	1	(grey-white quartz veinlet @ 40° to 65°						
		to C.A., with some marginal Kapar, pyrite		1		 		
	1	and Apricite), 287.31-290.21 (grey-white			1			
		guartz vainlets from 60° to C.A. to sub-			1			*
	1	parallel, with subparallel cross-fracturin				<u>+′</u> •		
		chlorite, epidote, pyrite, and some mus-			+			
		covite/sericite), 290.8'-307' (number of			1	<u> </u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		narrow grey-white quarts voinlets @						
	·	generally 45° to 75° to C.A. with estimate		+				
				+				
		fracture density of 2 to 3, some with red		-				99- 19-19-19-19-19-19-19-19-19-19-19-19-19-1
		Kapar unvelopes), 296.2' (epidote-chlorite		<u> </u>				
		seam 4 35° to C.A. surrounded by reddish-			+			
		pink Kspar-rich rock).	<u> </u>		+		┨────╢─	18
	1	- from about 100' to about 180', the		1	1	1		

FORM B22

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## DIAMOND DRILL REPORT

HOLE NO. HN-7-73 COMMENCED. FINISHED. PURPOSE OF. HOLE

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		TO DESCRIPTION		co	RE SAMPL	.ES		
ROM	то		FROM	τØ	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		overall colour of the section is creamy-						
		grey to pinkish-grey; grey sections with						
		some clear coarse phenocrysts from 189.3'						
		to 193', 225' to 228', and 230' to 236';						
		pink Kapar-rich sections from 195.2' to						
		200' and 229.5' to 230'; core is dark						
		grey from 240.9' to 245' and 250.6' to 259	.71:					
		otherwise core generally gray to pinkish-				<u></u>		
	<u></u>	grey with cream to pink phenocrysts	 					
	<u> </u>	- core ground from 65.51 to 66.51,						
. <u>.</u>	<u> </u>	106.5' to 107.8', 178.9' to 180', 192.3'						
<u>.</u>		to 193.3', 231' to 235', 262' to 262.5',						
		272' to 272.5', and 306'-306.5'.						
		- core lost from 158.9' to 160' and	<b> </b>			 		
		170' to 171'.	ļ					
		- molybdenite @ 64.9' (as blebs along						
		margin of g.v. @ 62° to C.A.), @ 75.31						
		(as smell blobs with quarts) and 163.9!	1			<u> </u>	ļ	· · · · · · · · · · · · · · · · · · ·
		to 165! (blebs approaching resettes up to	l					
		1.5 mm, disseminated throughout quartz		. 				
		and quartz monzonite; some pyrite blebs				ļ	ļ	
	́	concentrated along chloritic fractures,	ALD Y	ROFESSION				
		with coarse muscovits/sericite).	1510 1510		EX.			
·	_		" Pa	BATEMA				
	_		173 X	<u> </u>	0/			
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#### DIAMOND DRILL REPORT

HORWOOD-NEWMAN

PROPERTY_

HOLE NO. HN-7-73

				CÇ	DRE SAMPL	.E8		
FROM	то 	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		FOLIATION ANGLES WITH CORE AXIS						
		13.5' - 61° - schistosity						
<u>.</u>		23' - 70° - #			╡			
		31.4' - 69° - porphyry, shearing						<u> </u>
		$51.4^{\circ} - 40^{\circ}$ - schistosity (crenulate	11					· · · · · · · · · · · · · · · · · · ·
		57.6' - 52° - porphyry, 'banding' (s 79.6' - 50 ⁸ - porphyry	TTCOON	18)	+		· · · · ·	
		93.4' = 60° = *						
		101.81 - 54° - 11			-			
-		118,21 - 35 ⁰ - "					ļ;	
		128.5 [†] - 66 [°] - *	· · · · ·		<u> </u>			
		$150.8^{\circ} - 65^{\circ} - *$ $167^{\circ} - 54^{\circ} - *$						
		$188^{\circ} - 65^{\circ} - *$	1	<u>†</u>				****
		209' - 60° - *			·			
	ļ	2391 - 60 ⁰ - *						· · · · · · · · · · · · · · · · · · ·
		251.3 ¹ - 50 ⁰ - *	1			<u> </u>		
		<u>279' - 65⁰ - *</u>						
	/ /	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		<u> </u>				·
					-	·		
	<b></b>							
				. 	-	· ·	ļ	
	1		1		1	1		

Hardiman Bay Horwood Lake 5-339600 5-339601 ž U A Forton slope L. 264' HN8-7 Shape L. Slope L. 39 35' 0 2 303 Started - March 8/79 Finished - March 18/73 Shape L -5-339599 Dia. of Gore - 2/18" (NX) Contractor - Bradley Bros. Ltd., Timmins PLAN OF DDH HN8-73& HN9-73 Wattanse CLAIMS 5-339599 339600 8 339601 HORNOOD TWP, ONT. HOLLINGER MINES LIMITED TIMMINS, ONTARIO Scak - 1 = 200

Location	of	Callar	from	#2	Post	of	S=339601	ι.
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## DIAMOND DRILL REPORT

HORWOOD-NEWMAN

HOLE NO.	HN-8-73
COMMENCED	March 8: 1973
FINISHED	March 11, 1973
PURPOSE OF	
HOLE	test geology and probe able site for molyb-
denite	mineralization.

		Claim S-339601		Hor	wood Tov	mship	NX Cor	denite mineralization.
	Τ				ORE SAMPL			
FROM	TO	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
01	61	OVERBURDEN.						
<u></u>	_	,						· · · · · · · · · · · · · · · · · · ·
61	43.11	QUARTZ VEIN - generally white, grey-white						······································
		or glassy; probably drilled down-dip						
		to give such a wide intersection; core						·
		angles quite shallow and generally						
		subparallel to C.A.; numerous fractures						L
		subparallel to C.A. also and lined with						·
		fine and coarse-grained greenish						
N		sericite/muscovite (in coarse books						
		near perpendicular to walls where vein						
		or similar vein re-appears @ 44.4' to						,
		45'), possibly some chlorite, biotite,						,
		and varying amounts of pyrite usually						,
		as small blebs; some sections, parti-						SUDDIKY WGM
		cularly near fractures, characterized						RECEIVE
		by orange-red Kspar alteration; narrow						MAY 11 1973
		lenses of quarts monzonite where noted		1				19.3.548.110.1.818.4.5.6
		- 18.4'-19.4' - lost core.						14.
		- 21.1'-23.1' - lost core.						· ·
		= 23.4!=25! = qts monsonite lens,						
		probably wall rock to vein, creamy.		1		·		
		orange colour.					1	
		- 28.6'-30' - lost core.		+		<u> </u>		
<u></u>			<u> </u>	1				

FORM 822 NORTH.____

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## DIAMOND DRILL REPORT

#### PROPERTY_____HORWOOD-NEWMAN

HOLE NO. HN-8-73

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URPOSE OF			
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	1			co	RE SAMPL	ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 30.8'-31.4' - short biotite-rich						
		lenses of qts monzonite.	•					
<u></u>		- 32.4'-33' - as above with biotite		}				
<u></u>	1							
	1	alteration envelope adjacent to						
<u> </u>		quartz vein.						· · · · · · · · · · · · · · · · · · ·
					·			
43.1'	3031	PORPHYRITIC QUARTZ MONZONITE -						· · · · · · · · · · · · · · · · · · ·
		medium to coarse-grained, pinkish-grey						
<b>*</b>		to orange-pink, varying amounts of			<u> </u>			· · · · · · · · · · · · · · · · · · ·
	<u>_</u>	biotite, pink subhedral Kspar phenocrys			l 			
<del></del>	·	quite abundant up to 4 mm; a few, clear						
		zoned, euhedral to subhedral feldspar			 			
<u>.</u>		phenocrysts up to 6 or 7 mm; some						
		narrow grey-white quarts veins @ 60°						
		to 65° to C.A. with fracture density						
		of 2 to 3; clean fractures with Kspar						
		alteration @ 30° to C.A. with F.D. up						·
		to 8; pyrite blebs (tr. to 2%) commonly						
		occur with quarts veinlets particularly	701	751		5.01		
		along margins;	751	801		5.01	· ·	
	.]	- from 72.4, colour changes slightly	801	851		5.01		
	′	with texture as rock seems generally	851	901		5.01		
		finer-grained than above and colour	901	941		4.01		
		through orange-cream to grey to pinkish	94*	961		2.01		
		grey, as distinct from creamy-pink	961	100'		4.01		
·····	1	above; quarts veining and fracturing						

FORM 822

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#### HOLE NO. 10-8-73

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#### PROPERTY_____HORWOOD_NEWMAN

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				ćo	RE SAMPL			
ROM	TO	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		es above only more clean fractures	1001	1051		5.01		
		subparallel to C.A. (approx. 8°) with	1051	1101		5.01		
		fracture density from 1 to 2 and less	1101	1131		3.01		
	<u>л</u>	fracturing @ 30° to C.A.	1131	1151		2.01		
		- from 197.3", number of fine-grained	1151	1201		5.01	 	
		dark-coloured 'mafic' lenses below	1201	1231		3.01		·
·		which (approx. 226.1') core coarser-	1231	1251		2.01		
		grained and pinker than above, also	1251	130'		5.01		
		fracture density of q.v. 0 65° to 75°	1301	1351		5.01		
		to C.A. up to 3 to 4 down to 256.7',	1351	1401		5.01		
		after which core greyer again.	1401	1451		5.01		
		- molybdenite where noted.	2451	1501	, 	5.01		
			1501	152.51		2.51		
		- 64.3' - large pyrite blebs.	152.51	1551		2.61		
		- 71.4'-72.4' - grey-white quarts vein	1551	1601		5.01		
		with margins and internal fractures				· .		· · · · · · · · · · · · · · · · · · ·
		lined with coarse books of muscovite,						
		- 72.4'-72.9' - dark green with pinkish						· · · · · · · · · · · · · · · · · · ·
		tinge, fine-grained, phase of				1		
		quartz monzonite(?), considerable						
		biotite-chlorite.						
	, ,	- 81.3'-81.7' - as above with lower						
		contact sharp and @ 37° to C.A.						
		- 91'-92.6' - as above. (probably mafic						
		remnant or inclusion?)						
	}	Lower contact @ 60° to C.A. and sha	-D.			1	1	

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#### DIAMOND DRILL REPORT

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#### PROPERTY_____HORWOOD_NEWMAN

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				c	ORE SAMPL	.ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 97.6'-100' - broken core.				<u> </u>		
		- molybdenite as very tiny disseminated		 				
		apecks and blebs along margins of				·		·
		quartz veinlets @ 951-95.11 and 113.9						
		to 1141; both veinlets @ 60° to 65° to C.A.						
	1	- 120.6'-121.8' - lost core.						
	1	- molybdenite specks disseminated along						
		margins of quarts veinlets @ 65° to						
		75° to C.A. @ 123.4' and 153.2'.						
		- 160'-161' - lost core.						
		- 171'-171.9' - lost core.						
		- 172.8'=174.6' - cut quarts vain with			ļ			
		red potassic alteration, coarse					ļ	
		muscovite/sericite, and some pyrite				<u>`</u>	<u> </u>	
	<u> </u>	along margins, @ 9° to C.A.						
<u></u>		- 174.6'-178.9' - core as before only						
		considerable muscovite/sericite in						· · · · · · · · · · · · · · · · · · ·
		matrix.					<u> </u>	
	ļ	- 178.9'-180' - lost core.						
		- 182.4'-183.3' - quarts vein @ 22° to				ļ		
	_ <b>_</b> ′	C.A. with sericite, red Kspar altera-						
		tion, traces of epidote, and pyrite				ļ		
		along margins and internal fractures.	<b> </b>			<u> </u>	· .	
		- 197.3'-199.2' - dark green-grey, fine-	<b> </b>	ļ,·_		· · ·		
		grained, 'mafic' lens similar to those						1

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#### DIAMOND DRILL REPORT

#### HOLE NO. 18-8-73

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HORWOOD-NEWMAN PROPERTY. nie CORE SAMPLES то DESCRIPTION DESCRIPTION OF SAMPLE FROM FROM ۲Ó RECOV. WIDTH ASSAY higher in hole; contacts sharp and @ 68⁰ to C.A. - 211'-214.2' - section characterized by abundant pink to reddiah-pink Kspar alteration with scattered biotite-2201 2251 5.01 chlorite 'clots' or spots lending 2251 2271 2.0' speckled appearance to core; one 2271 larger 'clot' contains considerable 230' 3.01 2301 2.0' 232' pyrite as cubes. - 216.5'-226' - 'mafic' lens as above: 2321 2351 3.0' lover contact @ 64° to C.A. 2351 237' 2.0' - 228,71-2301 - Imafict lens as above. 2371 240 3.0' - 234.4' and 234.6' - narrow grey-white 2401 2421 2.0* quarts veinlets @ 70° to 75° to C.A. 2121 2451 3.01 - 235.7'-235.9' - grey-white quartz vein 2451 2471 2.01 @ 78° to C.A. 2471 2501 3.01 - 238.4*-242.8* - lost core. 2501 2521 2.0' - 256.6'-258.5' - lost core. 2521 2551 3.01 ·۱ - 268.7'-274.2' - grey-white quarts 2571 2.01 2551 veinlet subparallel to C.A., with 2571 2601 3.01 minor Kepar alteration, sericited and PROFESSIO, pyrite: other similar fractures down REG P. J. BATEMAN hole, either with quarts or clean -F.D. of approx. 1 to 2. ACE OF ONTE E.O.H. - 3031

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HOLE NO. HN-8-73

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				co	DRE SAMPL	.ES		
ROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	1	Foliation Angles with Core Axis			1			
						1		
		52.61- 68° - grain alignment and blot:	te					
·····		71" - 68° - "			+			• •
		88.61 - 59° - *		•				· · · · · · · · · · · · · · · · · · ·
		112.4' - 60° - "				· .		
	L	132.61 - 65° - *						
		152.6' - 57° - *		 				
		172.2' - 56° - *						
		191.8 ¹ - 60 ⁰						
	1	218.31 - 63° - * and schistos						
	1							······
<u></u>		233.21 = 66° - 1	<b>  -</b>		1			· · · · · · · · · · · · · · · · · · ·
	}	265.71 = 55° = *					+	·
		292.31 = 54° = R			<u>-</u>			
	<u> </u>		<b></b>					
			ļ	 				
	1							· · · · · · · · · · · · · · · · · · ·
	1						<u> </u>	
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2 Locati		r from . M 822	#3 Post of 8-339600 E 245* N 35*	•				NOI	E NO. HN-9-73
	NOF	атн	L 32+00 N DIAMOND	DRIL	L R	EPOR	T	COM	March 15, 1973
	EAS Ele Azii		2700 1					PLIC	shed <u>Karch 18, 1973</u> Pose of test geology and
	DIP	Coll		NOOD-NE					to test geology and 'favourable site' for molybdents mineralization.
		<b></b>	Claim S-339600			d Towns		NX Cor	ê
	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
	01	10'	OVERBURDEN.	•					
	10'	303'	PORPHYRITIC QUARTZ MONZONITE -	10'	151		5.01		
	<del></del>		medium to coarse-grained reddish-orange	151	201		5.01		
		1	to pinkish-grey with varying amounts of		251		5.01		· · · · · · · · · · · · · · · · · · ·
	<u></u>		biotite, contains feldspar phenocrysts	25'	301		5.01		
	· ·	1	(up to 8 mm long) which are commonly	301	351		5.01		· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·	1	euhedral, zoned and clear, also pink	351	401		5.01		
		1	to cream-pink Kepar phenocrysts	401	451		5.01		
			(subhedral) up to 4 or 5 mm long; some	451	501		5.01		
	8-1	1	sections are heavily concentrated in	501	551		5.01		
		1	pink Kapar particularly bordering	551	601		5.01		· · · · · · · · · · · · · · · · · · ·
			certain fractures which carry	601	651		5.01		·
	- <u></u>		sericite/muscovite, chlorite, grey to	651	701	<u> </u>	5.01		
			bluish-white quarts and pyrite (this	701	751	1	5.01		
		1	fracture set mainly @ 10° to 25° to	751	801		5.01	· ·	5
	·	1	C.A. with a fracture density of 2 to 3)		851		5.01		NEC 21
,		1	Kspar alteration around these fracture	851	901		5.01	Į	MAY 11 1073
		1	sones usually accompanied by increase	901	951	1	5.01		E.8. 1970 .
	<u></u>	1	in silica and considerable coarse	951	1001	1	5.01		
-		,	flakes/books of muscovite/sericite;	1001	1051	1	5.01	1	
		1	also fractures (either with grey-white					1	
	<del></del>	1	quartz or clean) @ 40° to C.A. (with		1	1	1	1	
	<u></u> *********	1	F.D. of approx. 2) and $@ 60^{\circ}$ to C.A.		1	1	<u> </u>	1	
	<b></b>	1	- major change in colour below 105.2	1	+	1	+	1	
				Q	4			ala and a subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of the subscription of	<u> </u>

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## DIAMOND DRILL REPORT

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HOLE NO. HN-9-73

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•	PROPERTY	HORWOOD-NEWMAN

	[ ]			c	DRE SAMPL	ES		
FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		to dark grey matrix with abundant white						
		to cream feldspar grains and pheno-	°					
		crysts (up to 7 mm) some of which are						
•		subsdral to subhedral, clear, and						
		zoned; biotite (some altered to	•			7		
		chlorite) content greater than pre-				÷		ι
		ceding section; disseminated pyrite						
•		(tr. to 1%) within core and along						
		fractures; biotite clots @ places;						
		apparently less fracturing (particulary						•
. ,		with quarts filling) than upper section				;		
		white grains and phenocrysts very			•			
		closely packed in some sections;						
		foliation more distinct; molybdenite				;	,  ,	
		is very sparse and is visible only						
		where noted below.		1				,
<u></u>		= 29.81-32.11 = Kspar-rich section					<u>+</u>	
		with minor biotite, surrounding						
		fractures @ 20° to C.A.		1				
<u>_</u>	1	- 34'-35.8' - Kspar and sericite/					·.	
	1	muscovite-rich section.		+			· · · · · · ·	
	· · · ·	,	ŀ		+		1	· · · · · · · · · · · · · · · · · · ·
	+	- 46'-47.1' - Kapar, sericite/suscovit	<b>*</b> *	+	-			
<u> </u>		and silica-rich section. - 56.5'-57.1' - Espar-rich with		<u> </u>		+	<u> </u>	
	}	abundant quarts, pyrite, some	<b> </b>	·				
	I	sericite/muscovite, and long	11		1	1	1	

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## DIAMOND DRILL REPORT

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HOLE NO. 10-9-73

HOLE

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FROM		DESCRIPTION		C	RE SAMPL	ES			
ROM	07		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
		acicular to rod-like needles (6 to						;	
		24 mm) of a dark green mineral							
		(actinolite?) in the quarts.			<u> </u>				
		- 59.21-59.51 - wide grey-white quarts							
		vein.	•						
		- 61'-61.8' - ground core.							
		- 661-72.51 - ground core.							
		surrounding q.v. with chlorite						······································	
		and some sericite/muscovite.							
		# 92.91-105.21 - creamy section;				ì		······································	
		99.3'-99.8' - biotite & pyrite-rich						· · · · · · · · · · · · · · · · · · ·	
		- 102.4'-103' - Kspar-rich section and						***************************************	
		fractures.						······································	
		- 102.8'-103.4' - ground core.							
		- 103.8'-106.2' - grey-white quarts							
	1	vein subparallel to C.A. with thin							
		chlorite-sericite envelope and				1			
	· ·	biotite 'clots' along internal	, ,		1	1		······································	
		fractures, all in Kepar-rich section	n.					*******	
		- 113.5'-115' - lost core.				1			
	,	- 115'-120' - ground core.	1		+	1		······································	
		- 122.9'-125' - ground core.	 						
	1	- 133' - fracture with qts and pyrite		<u> </u>	-}	+	+		
	11	@ 14 ⁰ to C.A. and another fracture	<u> </u>				·	······································	
<u> </u>		with qts and blotite(?) @ 3° to C.		+			┼───╢─		

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HOLE NO. HN-9-73

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		DESCRIPTION		C	ORE SAMPL	.ES		
FROM	то		FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		- 135.3' to 135.8' and 136.1' to 136.8'						
		creamy sections with more Kspar and						
		less biotite.						
		- 166' - slightly contorted grey-white	· .					
·		q.y. @ approx. 30° to C.A.						
	L	- 190.7-190.9' - wide greyish-brown		 	ļ	 		•
		quartz vein @ 75° to C.A.						····
		- 198.5' and below - a few hairline						
	ļ[	fractures with reddish-pink potassi	c					
		alteration - estimated fracture						
		density of 2 to 3 4 30° to G.A. to			ļ			
		subparallel.						
		- 207'-207.7' - broken core.					· ·	·
	<b></b>	- 211.1'-211.2' - greyish quarts vein				 		
	ļ	@ 85° to C.A.				· · · · · ·		
		- 215'-215.2' - greyish-white q.v. @						
		30° to C.A. with narrow reddish			-	· .		
		Kspar envelope and sericite/muscovit	••					· · · · · · · · · · · · · · · · · · ·
		- 234.8'-235' - greyish-white g.w. @						· · · · · · · · · · · · · · · · · · ·
		75 ⁰ to C.A.			_	·		
		- 244.4*-245* - ground core.	 	ļ		ļ		·
	,	- 256.61-256.91 - greyish-white quarts						
		vein with pyrite (blebs up to 20 mm		ļ				
		and minor pink Kapar alteration,		 			<u> </u>	
		@ 40 [°] to C.A.						

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HN-9-73

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DESCRIPTION OF SAMPLE

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EAST				DRILL REPORT				
	1		CORE SAMPLES					
FROM	to	DESCRIPTION	FROM	то	RECOV.	WIDTH		
		- 281! - narrow white q.v. @ 60° to						
		C.A. with blebs of pyrite and		, 				
		disseminated specks of molybdenite.						
:		- 285.71-2061 - pinkish-white quarts						
		vein @ 12° to C.A. with Kspar						
	_	alteration and pyrite blebs, -				1		
		25 mm true width, slightly vuggy						
		along margins.						
		= 294.8' - narrow white quarts veinlet	2751	2801		5.01		
		@ 53 ⁰ to C.A.	2801	2821	,	2.01		
		- 300.1' - small blebs of molybdenite	2821	2851		3.01		
		with quartz (creamy) in fracture	2851	2901		5.01		
		@ 53 ⁰ to C.A.	290*	2951		5.01		
			2951	3001		5.01		
			3001	303 •		3.0"		
<u></u>								
			1					

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## DIAMOND DRILL REPORT

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HN-9-73 HOLE NO. COMMENCED PURPOSE OF_

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PROPERTY	HOR ODD NE	ewman

	το	DESCRIPTION		cc	ORE SAMPL	.ES				
FROM			FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE		
		Foliation Angles with Core Axis								
								· · · · · · · · · · · · · · · · · · ·		
			· · ·		+					
<b></b>		12.7' - 65° - Porphyry and blotite			<u> </u>			· · · · · · · · · · · · · · · · · · ·		
<u> </u>	<b>}</b>	26.8 ¹ - 56 ⁰ - *			+					
		48.3' - 55° - *								
		58.51 - 56° - "	<u>`</u>							
	1	78.3' - 62° - *				· ·				
		99.8' - 48° - contact between biotite-ri	h							
		phase and creamy qts mons	1							
		lll.9' - 50° - grain alignment			1	·	<u> </u>			
		122.2' - 54° - " and biotite								
	<b></b>						· ·			
		147.5' - 67° - * and porphyry			<u> </u>		1			
	<b> </b>	162* - 66° - closely packed grains, phe	ocryst	a						
	<u> </u>	177.5' - 64° - grain alignment and porphy	y							
		188.4° = 67° = "								
		202.71 - 67° - *								
		219.5' - 61 [°] - *								
		$238.6! - 57^{\circ} - *$		1	-	+				
		246.2° - 64° - *								
	· · · · ·	262.51 - 63° - *								
<u> </u>	·	281.7' - 58° - "					ļ	]		
		291,5' - 63 [°] - *								
		300.7' - 67° - *								
		· ·								
	+		1	+	+		1	· ·		