

010

Diamond Drilling

Township of LOVELAND

Report Nº: 30

;

Work performed by: Hollinger Mines Limited

Claim Nº	Hole Nº	Footage	Date	Note
		•		
P 353152	#LV-24-75	1614'	Mar/75	(1)

Notes: (1) 80/75

.

AWL 004 (7- 9) rev 9-72

27.5 243 265 L 1614 P-91794 STOPEL. 400' P-353152 192 slope L. 1214 Contractor Bradley Bros Ltd BQ (ore Dia 1 3/4" (Wire Line) Mar 5- April 10, 1975 PLAN OF DDH LV-24

- Wit Hansen HOLLINGER MINES LIMITED TIMMINS, ONTARIO

Claim P-353152, Loveland Tup. Scale - 1'= 200'

Location of Collar from #3 Post of P-353152

FORM 522

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174

FROM

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North	475'
East	212'

DIAMOND DRILL REPORT

HOLE NO.	LV-24-75		
COMMENCED	March	5,	1975
FINISHED	April	10	1975
PURPOSE OF			

NORTH	XL 24S
EAST	16+50E
ELEV.	Surface
	llar 600. 2001-570. 4001-53 50
600'-	470: 800'-51.50: 1000'-480
1200'-	46°; 1400'-43°; 1600'-test broken

DESCRIPTION

Casing - BQ Core Size.

PROPERTY____DRIFTEX OPTION - LOVELAND #11 Claims P-353152 and Loveland Township P-91794

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FROM

CORE SAMPLES

RECOV.

WIDTH

H0	£	
	Drilled by Bradley Bros.	
ASSA	DESCRIPTION OF SAMPLE	
• • • • • • • •		

		(Hole recollared @ 60 ⁰ after losing			
·		original hole in boulders at 118').			
174	214	Geanitized, dark green andesite, cut			
		by small granite dikes up to 2' in width.		•	
214	249.5	Silicified granitized seds. chiefly		1	
		granophyric material cut by coarse granite			
		dikes.			
		(227.8-231.5) Granite, upper contact			
		80° to core, lower contact ground.			
249.5	287	Uniform textured, grey green speckled			
		diorite cut by occ. granophyric material.			
287	292	5' section of granophyric material -			· · · · · · · · · · · · · · · · · · ·
		both contacts at 70° and 80° to C.A.			
292	327	Grey gr. diorite, diabasic texture			
· ·		sim. to section 249.5-287. Both sections			
		are finely speckled with large irregular			· · · · · · · · · · · · · · · · · · ·
		"clots" of feldspar up to ½" in dia.			
327	435	Granitized andesite, some sections			
		totally replaced by granophyric material.			
		(370 to 410) chiefly granophyric			
	ļ	replacement. Occ. rare bleb of pyrr.			

	F N E C D	ORM 522 ORTH AST LEV IP	DIAMO	DIAMOND DRILL REPORT HOLE NO. LV-24-75						
	-			L	ovelan	d Townsl	nip		· · · · · · · · · · · · · · · · · · ·	-
-	· · · · · · · · · · · · · · · · · · ·					CORE SAMPL	ES			
_	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE	
-			432-435 - fault zone - gouge and highly							
-			sheared section. Shearing and banding at						-	
			45° to core.							
-	435	455	Grey massive chert, white to grey green							
			in colour, occ. pyrr. rare chalco. (cherty						•	
	·····		tuff?). Minor chl. in section.				· •			
	455	531.5	Banded granitized seds.; banding 20 ⁰							
-			to C.A. Grey with white bands, very			-				
-			siliceous occ. granite dike (455-468)							
Č.			(475.2-477.4).							
-	531.5	709	Granitized dk. gr. Andesite, consider-							. <u></u>
-	<u></u>		able mica dev. Highly granitized sections					· · · · · · · · · · · · · · · · · · ·		
-	<u></u>		with granophyric material. From 610 to							
- -	· · · · ·		648 less granitization black gr. micaceous							<u> </u>
-	·		andesite.						·	
-			(648-650) 100% granophyric material,						- -	·
-	· · · · ·		white speckled with biotite.							
-	709	753	Qtz eye, granite, coarse grained with							
· _			small inclusions of amphibolitized andesite						•	- ,-
-			Contacts 45° to core axis.						· · · · · · · · · · · · · · · · · · ·	
· · ·	753	778	Chloritic, granitized, andesite. Occ.						·	
			chalco + Po.						· · · · · · · · · · · · · · · · · · ·	
<u> </u>	778	878.5	Chiefly granophyre, with sm. inclusions							
			becoming fine grained and cherty from 785			<u> </u>				

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· •	F NG EL	ORM 522 DRTH AST	DRIETEX	DIAMOND DRILL REPORT HOLE NO. LV-24-75 COMMENCEDFINISHEDFINISHED						LV-24-75	3.
	DI 	P	PROPERTY		velan	Townsh		_			
		<u> </u>					ττΡ 				
	FROM	то	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY		DESCRIPTION OF SAMPLE	
			to 810. Small blebs of po + chalco, car-		<u></u>				• <u>•</u> •• <u>•</u> •	· · · · · · · · · · · · · · · · · · ·	
			bonatized shear planes, additional calcite								
			strs also; banding chiefly at sm. angle							<u> </u>	
			to core axis.								
	878.5	1030.8	At 878.5, after a little broken core,								
			we enter a narrow andesitic unit that varies				· •				
	-		from medium to dark green to blackish and								
			is irregularly mixed with narrow horizons								
	· ·		of cherty, sometimes granophyric material								
	· .		flecked with biotite. The rock is locally						· ·	······································	
			banded with the introduction of the narrow								
			cherty horizons, at around 20 ⁰ to the core.						-		
			Within the andesite, the lighter coloured			_					:
	.		sections are generally carbonatized to								• •
	· · · · · · · · · · · · · · · · · · ·		some extent. Megascopically, the andesite						-		
			appears to be composed of largely feldspar		· · · · •						
			chlorite and biotite - metamorphosed.							* <u>************************************</u>	
			At 903.7, return to the cherty type								
			unit, which in general here is not notably								
		· · · · · · · · · · · · · · · · · · ·	granophyric. The rock varies from white to							- N X - N - //X	
• •			grey to brownish grey in colour and is		·				·	· · · · · · · · · · · · · · · · · · ·	
\sim	<u> </u>		fairly well speckled with biotite.								·····
	<u></u> ,	·	Then from 951.2 to 961.6, there are								
			scattered, dark green andesitic bands again	<u>.</u>							

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	FO Noi EAS ELE	RM \$22 RTH ST SV	DIAMO	ND DRI	LL REPO)RT		HOLE NO. COMMENCEI FINISHED PURPOSE OF	LV-24-75
	DIP	····	PROPERTYDRIFT	EX OPI	<u>- NOI</u>	LOVELAN	<u>D #11</u>		
-				LOV	reland	Townshi	p	<u> </u>	
	FROM	то	DESCRIPTION	FROM	то	RECOV.	ES WIDTH	ASSAY	DESCRIPTION OF SAMPLE
-	· · · · · · · · · · · · · · · · · · ·	· · ·	separated by cherty, biotitic material.						
			Similarly, from 988.6 to 1012, andesitic	· · · · · · · · · · · · · · · · · · ·		·			
•			material separated by narrow cherty horizon	r.d.					
	· · · · · · · · · · · · · · · · · · ·		Some granitic material along the core		1				
			from 1010.6 to 1011.6 plus a granitic						
	· · · · · · · · · · · · · · · · · · ·		dykelet from 1012 to 1015.7. The upper				· 、		· · ·
			contact of the granite is nearly along the						
			core, lower contact at 40°. The granite						
			is fairly coarse grained with pinkish to						
-			white feldspar and clear to bluish and						
			grey phenocrysts of quartz. In general						
_			there is a fairly high biotite-chlorite-						
			amphibole content here as well. Trace of						
-			pyrrhotite.						
			At 1015.7, return to the cherty type						· · · · · · · · · · · · · · · · · · ·
			unit, flecked with biotite. This zone						
			continues up to 1030.8, where the biotite,						· · · · · · · · · · · · · · · · · · ·
			<u>+</u> chlorite produces a mottled effect in						
	• · ·		the chert.						
	<u></u>		Lower contact with a quartz stringer,						
· .			nearly normal to the core.	· · · · ·	ļ	_			
· · ·	1030.8	1614	Contact to andesite - the first few						
· .			feet of which (to 1040.3) is brownish,		<u> </u>				
			carbonatized and crudely banded at about				<u> </u>		

- D		FORM 522 NORTH EAST ELEV,	DIAMO	OND DRII	L REPO	RT		HOLI COMM FINISI	E NO. ENCED HED	LV-24-75	5 		
		DIP	PROPERTY	EX OPTI	ON - LO	OVELAND	#11	HOLE					
				L	oveland	d Townsk	nip	<u> </u>					
					c	ORE SAMPLE	.s						
	FROM	10	DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY		DESCRIPTION OF SAMPLE			
			45 ⁰ to the core.										
			After 1040.3 the andesite is dark	1030	1035		5		Andesite	e - very minor po			
	-		green, chloritic with some coarse blocky	1035	1040		5		17	minor po tr.cp			
			crystals of hornblende and chlorite (after	1040	1045		5		F1	3% po			
			hornblende?). The andesite is also	1045	1050		5		11	5% po			
	· .		granitized, locally speckled with feldspar	1050	1055		<u>5</u>		11	5% po minor cp			
			some blotchy type occurrences of grano-	1055	1060		5		17	3% po tr.cp			
			phyric material and occasiona, narrow	1060	1065		5			3% po tr.cp			
			granitic dykes.	1065	1070		5		"	3% po very minor cr	p		
			It is within this unit that we first	1070	1075		5		"	<u>3% po " " "</u>			
			start to get some pyrrhotite - generally	1075	1080		5	·	11	3% po tr.cp	· .		
			occurring in irregular blotches and	1080	1085	· · ·	5			very minor po			
			stringer-like masses. The pyrrhotite is	1085	1090		5		. 11	17 ti tr			
			variably magnetic and carries erratic		1095				"	11 11 11			
			amounts of chalcopyrite.	1095	1100		5		11	17 17 Et			
			Around 1137.5, the andesite grades	1100	1105		5			ti fi ti			
			very dark green and considerably more	1105	1110		5		82	minor po			
	•		chlorite-hornblende rich. The andesite	_ 1110	<u>i115</u>		5		êt	very minor po			
			is still granitized with feldspar and	1115	1120		5	i 	11	<u> </u>	p		
			possesses a few blotches of granophyric	1120	1125					minor po tr.cp	•.		
•	· · · · · · · · · · · · · · · · · · ·		material but these features are only				· · · · · ·						
			locally prominent now. The sulphides										
<u> </u>			here are a bit heavier, and are also more										

FORM \$22

EAST ____

ELEV. _____

NORTH

DIP.

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DIAMOND DRILL REPORT

LV-24-75

6.

COMMENCED
FINISHED
• • • • • • • • • • • • • • • • • • •
HOLE

PROPERTY_______ DRIFTEX OPTION - LOVELAND #11

Loveland Township

FROM				c	ORE SAMPL	ES		
F ROM		DESCRIPTION	FROM	то	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
		After 1165 there is a marked decrease						
		in the amount of sulphides present and						
· · · · · · · · · · · · · · · · · · ·		the andesite has an increasing amount of	1125	1130		5		Andesite - minor po
········		speckled and granophyric sections. Isolated	1130	1135		5		" very minor po tr.cp
<u></u>		splashes of pyrrhotite, with rare traces	1135	1137		2		" " " po
		of chalcopyrite can be found along the	1137	1140		<u>`</u> 3		" 10% po minor cp
		core, although the overall content is very	1140	1145		5		" 7% po minor cp
· .		minor.	1145	1150		5		" 5% po tr.cp
		From 1270 to 1301.5 the ground is	1150	1155		5		" 15% po minor cp
· · · · · · · · · · · · · · · · · · ·	_	quite blocky and there is a good deal of	1155	1160		5		" 5% po very minor cp
		broken core, especially the section	1160	1165		5		" minor po tr.cp
· · · · ·		1275-1285.	1165	1170		5		" very minor po
		After some granitic material at 1306.1						
		the andesite becomes very dark and chloritic						
		From here to 1336.6 there is very little						
	_	granitic or granophyric material, and the						
	· .	rock is notably sheared at a very shallow		`				
		angle to the core (0-10 ⁰). Sulphides are						
- 	· · · · · · · · · · · · · · · · · · ·	a bit better in this zone - both pyrrho-	1235	1240		5		Andesite - minor po tr.cp
		tite and chalcopyrite, with the best						
		mineral along the most strongly sheared						
	_	section from 1321.2 to 1322.5. The						
		andesite is dark green to dark brownish						
<u></u>		green, only locally greyer where there is						

		FORM 522 NORTH EAST ELEV AZIM, DIP	PROPERTY DRIFTEX	OPTION	L REPO	RT	11	LV-24-	7.		
	``			Lov	eland 7	Cownshi	p				-
-	<u></u>			CORE SAMPLES						· · · · · · · · · · · · · · · · · · ·	
	FROM	то		FROM TO RECOV. WIDTH ASSAY		DES	CRIPTION OF SAMPLE				
_			some granophyric material.								
			At 1336.6 there is a marked drop in	1305	1310		5		Andesite - m	inor po tr.cp	
_			sulphides present and the core becomes	1310	1315		5		" Ve	ery minor po	-
			guite strongly granitized and granophyric	_1315	1320		5		"m	inor po	
			up to 1393.2. There are only scattered	1320	1323		3			t DO	
			sections of dark green andesite here due	1323	1325		2		er	inor po	
			to the strong granitization. Biotite is	1325	1330		5		11	n n	
			also very prominent in this unit.	1330	1335		5		** 49	t po minor cp	
			At 1393.2 there is a gradual decrease	1335	1337		2		" m:	inor po	
			in the amount of granitization and the	1337	1340		3		" De	a. sulphides	21. S.
			andesite becomes darker green and strongly							- J - L	
			chloritic. With the more chloritic andesite								
-			is also the advent of sulphides once more						-		
-			- mostly pyrrhotite with streaks and blebs								
-			of chalcopyrite. Some blocky blebs of								
_			chlorite, and fair biotite plus local								
			speckling with feldspar in the andesite.							· · · · · · · · · · · · · · · · · · ·	
-			At 1429.2, after a narrow dyke of granite,								<u> </u>
-			fairly heavy sulphides and some shearing								<u>, , , , , , , , , , , , , , , , , , , </u>
-	· _ · · · · · · · · · · · · · ·		running along the core. These fairly		· · · · · · · · · · · · · · · · ·						
•	<u></u>		heavy sulphides are noted up to 1431.5								
-			with the core from 1430 to 1431 missing.							ningen en e	
-			The only other schistose section with								
-			sulphides lies between 1437.6 and 1439.3.						1		

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	FORM \$22 NORTH EAST ELEV,	DIAMOND DRILL REPORT						HOLE NO. LV-24-75 COMMENCED			
· 	DIP	PROPERTY	OPTION	- LOVE	ELAND #	11	HOLE				
-			L	oveland	l Towns	hip				· · · · · · · · · · · · · · · · · · ·	
EROM	TO	DESCRIPTION		co	DRE SAMPL	.ES					
			FROM	то	RECOV.	RECOV. WIDTH	ASSAY	DESCRIPTION OF SAMPLE			
		Some blocky ground from 1431.5 to 1433.7.									
		There is one box of core mixed up here	1390	1395	·	5		Andesite	- very min	or po t	r.cp
		from 1410 to 1430, such that when it was	1395	1400		5		11	tr tt	11	87
		put back together, there appeared to be	1400	1405		5		11	3% po ve	ry mino	or cp
i		2 feet missing which was arbitrarily placed	1405	1410		5		Ħ	3% " "	"	61
		at 1412.7-1413.7 and 1430-1431, due to	1410	1415		5		Tİ	trace po		
		lack of matching core.	1415	1420		5		Ħ	17 17		
		Around 1447.5, the andesite grades	1420	1425		5		11	17 H		
		lighter in colour - more strongly grani-	1425	1429		4		. 11	minor po	very n	unor c
		tized, speckled with feldspars, some	1429	1430		1		Ħ	10% po	2% ср	
		granophyre plus the horizons of sugary	1430	1432	50%	2		11	10% po v	ery mir	or cp
		chert flecked with biotite. There is a	1432	1435		3		11	very min	or po c	p
		fairly strong component of biotite	1435	1440		5			5% po tr	.cp	í.
		throughout this section. Then, after 1497,	1440	1445		5		. 11	neg. sul	ph.	
· · ·		the andesite is innundated with granophyrid									
	,	material - most commonly in blotchy to									L.
· · · · · · · · · · · · · · · · · · ·		stringer-like masses at 25-35° to the core									
		From 1544 to 1571, the andesite									
		becomes darker green again with traces of									
.		wispy chlorite-epidote(?) alteration									
·····		running along the core. No sulphides									
		were noted in this section. Both contacts									
		are gradational - the lowerchange marked									
		by the introduction of more blotchy									

	FC No EA EL	0RM \$22	DIAM(DIAMOND DRILL REPORT HOLE NO. LV-24-75								
	Dif	•	PROPERTY PROPERTY	PROPERTY								
			1	Loveland Township								
	FROM	то	DESCRIPTION	CORE SAMPLES			ASS	A Y	DESCRIPTION OF SAMPLE			
	<u> </u>		granophyric material again.									
	- <u></u> .		Most of the rock from 15/1 onwards 1s		1 5 0 0					Indenite	· · · · ·	
		+	granophyric with only a trace of cherty	1585	1590		5			Andesite - very minor po cp		
			material after 1610. The granophyre is	1590	T272		2					
	·		both blotchy and somewhat banded in				· · ·					
			occurrence - the banding averaging about								<u></u>	
			350 to the core.							·····		
		1	Few traces of sulphides between 1585			-	<u></u>	01	Ni			
	•		and 1595.		GRAB	SAMPLES	5	8	- 8			
	· · · · · · · ·						····				···	
			/		- -	1318'	•	330.	018	······································		
	,	1614	END OF HOLE		-	1426'	•	096.	028			
	<u> </u>		A		<u> </u>	1590'	•	<u>p26</u> .	015			
	- 		les my lame			ļ	<u></u>	 			·····	
· · ·		· · · · · · · · · · · · · · · · · · ·	HOLIMORD MUTCH							· · · · · · · · · · · · · · · · · · ·		
		<u> </u>	HULLINGER MINES LIMITED	· · ·				 				
			TIMMINS, ONTARIO					ļ		۰، ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰ - ۱۰۰۰		
Υ.						ļ			[••••• <u></u>	
										•		
i 	<u> </u>									All samples assayed for go	old	
•										ran Nil.		
			· · · ·				<u></u> , <u>, , , , , , , , , , , , , , , , </u>					

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		FORM \$22 NORTH EAST ELEV OIP	ORM 522 ORTH DIAMOND DRILL REPORT COM AST LEV PROPERTY DRIFTEX OPTION - LOVELAND #11							HOLE NO. LV-24-75 COMMENCED		
		Loveland Township								· · · · · · · · · · · · · · · · · · ·		
	FROM	то				CORE SAMPLES						
				FROM	T,O	RECOV.	WIDTH	ASSAY		·····		
			GEOCHEM + THIN SECTION									
										· · · · · · · · · · · · · · · · · · ·	<u>_</u>	
	G + T	5 898.5	Andesite, medium green, bleached,	_					<u>.</u>			
			a little carbonatized.									
	G + TS	5 949	Chert, somewhat sugary, with biotite.									
	G + TS	5 1010	Fine grained, dark green, andesite.				•			• .	- · · ·	
	T	5 1035	Brownish carbonatized, chloritic andesite	•								
	T	5 1057.5	Granophyric, chloritic andesite w. po.									
	T	5 1084	Weakly speckled andesite.		•							
	T	3 1114.5	Speckled andesite.									
•	T	5 1144	Dark green chloritic andesite.							•		
	T	5 1169.3	Dark green blocky, speckled, andesite.									
	<u>G + T</u>	5 1214	Dark green andesite with po.									
	<u>G + T</u>	5 1270	Speckled andesite.									
-	T	5 1309	Schistose, chloritic andesite.									
	<u>G + T</u>	5 1345	Strongly granitized-granophyric andesite								• • • •	
	T	5 1400	Dark green chloritic, biotitic andesit w	po.						•		
	T	5 1427.8	Dark green chloritic andesite - w. po.							1		
	G + TS	5 1475	Grey cherty portion with biotite.									
	<u>G + T</u>	5 1534	Strongly granophyric andesite.							·		
	G + T	5 1570	Dark green andesite with wispy alteration	h .							·	
- * *	<u> </u>	5 1605	Granophyric Andesite.									
											· · · · · · · · · · · · · · · · · · ·	
	* <u>********************</u>											



days are being applied M12763 1^{10¹⁶⁴} 3'5 222 355100 355169 355 65 ove lana HOLLINGER CLAIMS BYErs Byers- Loveland Twp. 355164 Scale - 1 = 20 chains. Lovelang Robb Byers