

Diamond Dr

010

Township of NOVA

Report No: 17

Work performed by: Amax Potash Limited

Claim Nº	Hole Nº	Footage	Date	Note
P 264560	TX-82-72	50 7 '	Mar/72	(1)
	TX-84-72	3691	Mar/72	(2)
P 264550	TX-112-73	3051	June/73	(2)
P 307266	TX-113-73	3121	June/73	(3)
P 307264 &	TX-114-73	3461	June/73	(3)
P 307269				
P 267231	TX-115-73	3521	June/73	(3)

Notes: (1) 147/72

(2) 99/74

(3) 18/74

Hole #TX-116-73 can be found on claim P 312999, Report #18, Belford Tw

Boseline V 2672/29 × 250'-> 26A560 264562/ Nova Tup.
Report # 147-73
Emax Parash Ital 168 LOCATION MAP 和 DON TX82-72 AMAX POTASII LTD 267231 NOUB TWP. 2645599 PORCUPING MNG DIV. nW atoweck

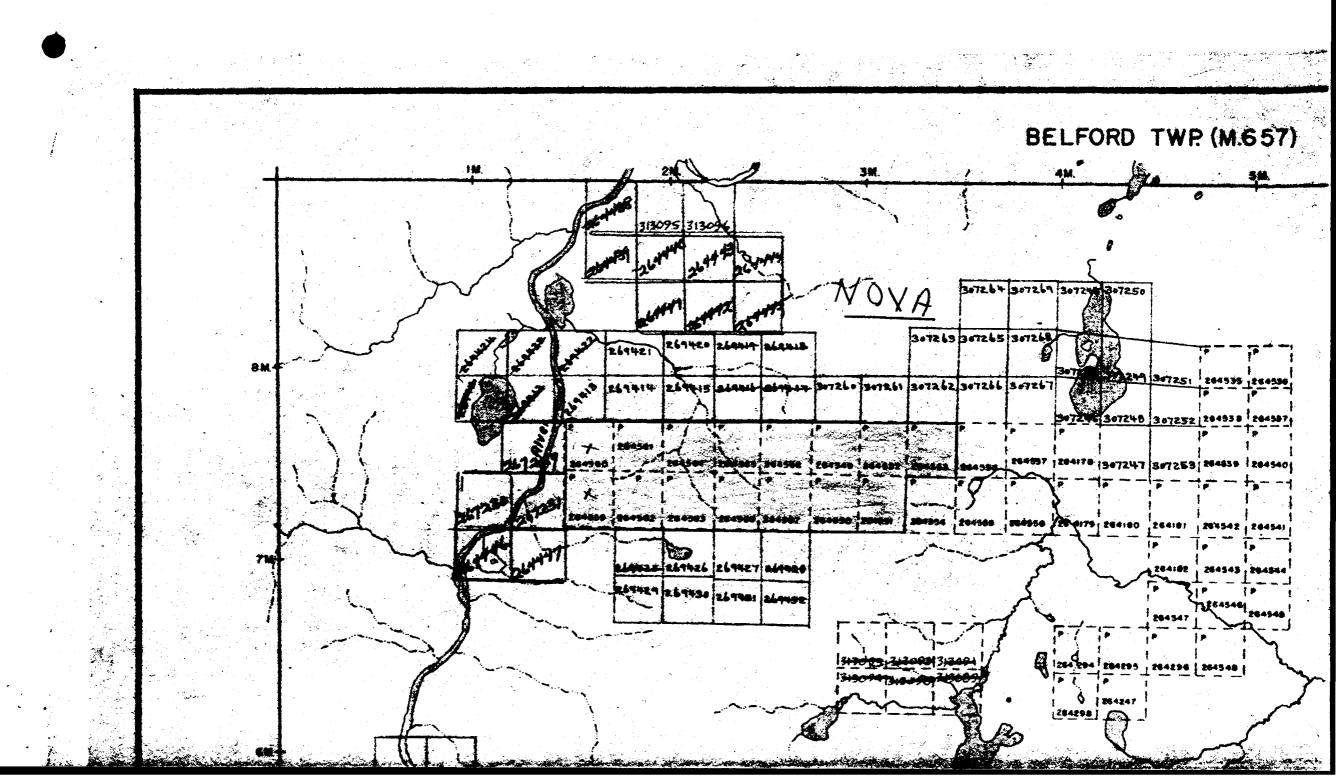
		•		DI	AMOND DRILL R	ECOR	D					Н	ole No	TX-82-	72	
Hole No Property _	TX-82-72 Nova Gp-	,	ength Bearing	507.0 feet 135° Grid S	Commenced March 9, 1972 Completed March 13, 1972	Dip	: Collar	45°				Location	Sketch	North	1	
Township Location	Nova 1 2+00E	D	Dip Dijective	50° Test extension south	Drilling Co. Bradley Bros.	Etcl	h Test	Depth	Rdg.	Tru	ie			Î		
Lagged By	2+00N MacDonal	d	 	of KX-70-71 zone.	Casing Left in Hole 52' NX		·	250'	52°	***************************************	-			Claim	No	
Core Location	n Timmins	Office						500'	55	² 48					1" = 1000	
Remarks	***************************************	P264560-31	o P	164559 - 1971								-		.		
Foot	age			DESCRIP	P I O N	!	Sample	From	То	Length	Cu	Zn	Ag			
From	To			DESCRIF			No.	From	10	Dength	Cu	411	ny			
0.0	75.8	Casing		· · · · · · · · · · · · · · · · · · ·												
75.8	84.4	Metatuff (daci	ite)	quartz - feldspar -foliation developed												
				- dark coloured	70 / 0.8.											
		<u>, </u>		- massi ve			1			-		·				
84.4	91.8	Feldspar Porph	nyry		nitic siliceous matrix											
<u> </u>				 feldspar subrounded contacts upper at 35 	° /CA											
- 01 0	170.0	Water and acide		lower at 45	° /CA		5270	155	160	<u> </u>	20	65	1 1	·		

			- massive										
					-				· .				
84.4	91.8	Feldspar Porphyry	- 90% feldspar in aphonitic siliceous matrix										
			- feldspar subrounded										
		•	- contacts upper at 35° /CA										
			lower at 45°/CA				\ .						
91.8	170.0	Meta-andesite	- feldspar-hornblende-mica	5370	155	160	5.0	29	65	1.1			
			- locally garnetiferous			-							
			- dark green colour	5371	160	165	5.0	38	58	1.0			
			- massive character										
			- weak foliation of 75°	5372	180	185	5.0	54	52	1.0			1
170.0	178.5	Feldspar porphyry	- inclusion of andesite with minor Po-Py	5373	190	195	5.0	35	53	1.0			1
			- similar to 84.4-91.8										
				5374	200	205	5.0	35	105	1.5			
178.5	206.5	Metatuff (rhyolite)	- 10% pyrite disseminated along foliation planes at 60°										$T^{}$
			to core axis	5375	215.0	220	5.0	40	72	1.6			
-			·										
206.5	213.5	Feldspar Porphyry	- similar to 84.4 to 91.8	5376	230	235	5.0	34	63	1.6			
•													
				5377	250	255	5.0	50	104	1.1			
							1				· · · · · · · · · · · · · · · · · · ·	1	

DIAMOND DRILL RECORD

Hole No. TX-82-72 Sheet No. 2

												
Foot		DESCRIPTION	Sample	From	То	Length		1	1]		
From	To	2 2 V X A A A V A1	No.	1 10111		20.15.111			L			
213.5	271.5	Metatuff rhyolite - very siliceous	1	•					1			
	-	- bedding evident at 50°/CA - pyrite disseminated or bedding planes average 8-10% for section decreasing down hole	 				, , , , , , , , , , , , , , , , , , , 	 	 			
		- pyrite disseminated or hedding planes average 8-10%						 	 			
		for section decreasing down hole	 	ļ		 		 	 		 	
		Tot Section decreasing down note	 		 	 -		 	 			
271.5	284.5	Feldspar Porphyry - 80% feldspar phenocrysts			 			 -	 			
	204.3	- irregular contacts	- 	· · · ·	-	 		 	 			
		- Trregular contacts		 				 	 			
	200.7	Maria CC (D) - 311 - 12 - 13 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	╄	<u> </u>	ļ	 		 	 		<u> </u>	
284.5	289.7	Metatuff (Rhyolite) - alternating beds of greenish coloured - reddish		<u> </u>		ļ		ļ	<u> </u>			
		coloured		<u> </u>				<u> </u>	ļ	ļ		
	·	- bedding 60° /CA			<u> </u>			<u> </u>				
						<u> </u>			<u> </u>			
289.7	292.5	Feldspar Porphyry			<u> </u>	L	·	<u> </u>	<u> </u>			
				L					<u> </u>			
292.5	310.0	Metatuff (Rhyolite) - finely bedded at 60° /CA		.				<u> </u>	1			
		- similar to section 213.5 - 271.5						T .				
								1				
310.0	317.4	Feldspar porphyry										
			1		1							
317.4	327.8	Metatuff (Andesite) - garnets well developed (5%) - dark green colour										
		- dark green colour			1			1				
		- bedding 60° /CA			1							
			1		1							
327.8	345.9	Biotite alteration zone										
		- composition 50-7-% biotite , 30-50% chlorite	1									
		 "porphyroblasts" of magnetite developed increasing 	1				,	1				
		down hole	1						1			
		- 340-345 5-8% magnetite										
-			T					1	1			
345.9	507.0	Granadiorite - feldspar quartz-biotite	+	 	 	1		†	1	 	1	
		- light grey to pink white coloured	1 7	 	1	1	 	1	1	1	†	
		- fine grained phase 345.8-365	DA	 	<u> </u>		 	 	†	 	<u> </u>	
			12.1	 	 		 	 	 	 	ļ — —	
		- coarse grained 365.0-507	7	 	 	 		 	ļ	 	 	
		END OF HOLE - 507'	-}		 	 	 	 	 	· · · · · · · · · · · · · · · · · · ·		
		LIND OF HOLL SOT	 	+	 	 	 	 	 	 	 	
		\N - 1 '1'	+	 		 	 	 	+	 	 	
		- XI XI	+	 	 	-	 	+	 	 	 	
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DIAMOND DRILL RECORD

Hole No. TX-84-72 Location Sketch North

	TX-84-72 Nova Grou		Length	369.0 feet Grid S (135°)	Commenced .	March 20, 197	12	Dip: (Collar		100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			Location	Sketch	Nort	h	
Logged By	R I	Donald	Bearing Dip Objective	50°	Drilling Co	March 25, 197 Bradley Bros. Ax Hole 22' NW 12' BW		Etch T	l'est	Depth	Rdg.	. Tru		Î.			No. <u>26</u>	<u>4560</u> °
Remarks	Cemented	seam at 2421												•		}	100	
Foot		· ·		DESCRIP	r I O N		<u>-</u>	1	Sample	From	То	Length			1			· · ·
From	To						·		No.	From	10	Dength	· .					
0.0	40.0	Casing						\longrightarrow					·	 	 			· · · · · · · · · · · · · · · · · · ·
40.0	56.8	Feldspar Por	nhvrv	- 85% white phenocrys	ts of felds	nar		\longrightarrow			 	-		+	 	-		
40.0	30.0	i e i u spat Put	PIO J	- matrix chlorite - b		· ·		\dashv					<u> </u>	1				
				- grain size 1/16 -														
				- rock unaltered														
				 lower contact sharp 	75° to C.A						L			ļ				
56.8	61.8	Siliceous Me	tatuff (dacite)			· 						L			· ·		
30.0	<u> </u>	JIIICOUS IC		- quartz and feldspar	and books	of chlorite de	eveloped							1				·
				- dark coloured														
				- foliation 75° to co	re axis													
				700	C-1-			\longrightarrow		<u> </u>	<u> </u>			 				
61.8	63.6	Feldspar Por	rpnyry	 70% white phenocrys siliceous ground ma 		par		\longrightarrow		!		 					<u> </u>	
				- STITCEOUS Ground Ma	3			\rightarrow		 	<u> </u>	 		 			-	
63.6	66.9	Siliceous Me	tatuff (Dacite)			•			 	 	\vdash		 	 		- 1	
				 qtz and feldspar 				$\overline{}$						1	1		· ·	
				- foliation at 75° to			lternating	g									0	7
				beds of differing f	eldspar con	itent.										DE	note	
	73.0	Folders Par	n hum	- similar to 61.8 - 6	3 6			\longrightarrow		!				Bl	MAG	-		
66.9	/3.0	Feldspar Por	pnyry	- lower contact at 6°	to CN			$\overline{}$			-			ore.				<u> </u>
				- local inclusious of				$\overline{}$			· · · · ·			 	 	<u> </u>		
								$\overline{}$			<u> </u>			1				
73.0	116.7	Siliceous Me	etatuff (
				- similar to 56.8 - 6														
				- local development o	† garnets					· .	<u></u>			1			<u> </u>	<u> </u>
				- dark coloured									-	<u> </u>				

DIAMOND DRILL RECORD

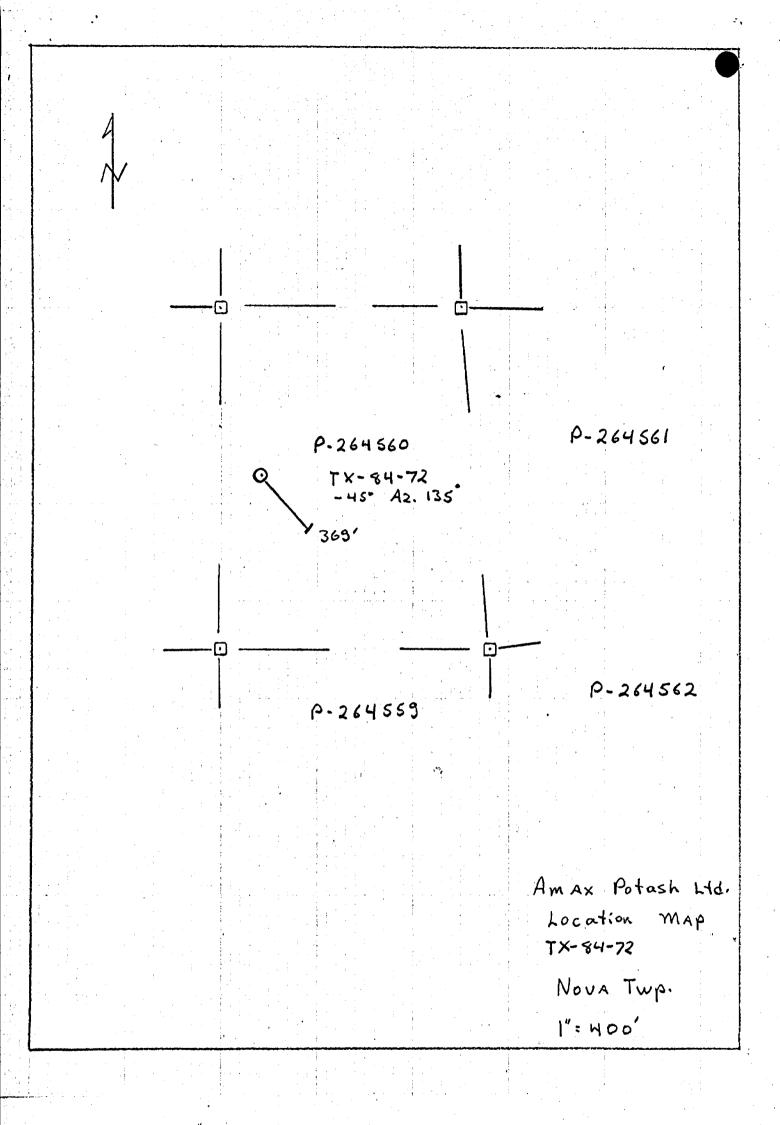
Hole No. TX-84-72 Sheet No. 2

Foots		DESCRIPTION	Sample	From	То	Length	Cu	Zn	Ag			
From	То		No.	From	10	Length	(maga)	/(ppm)	(mag)			
116.7	122.5	Siliceous Metatuff (Rhyolite)	5363	120.0	122.5	2.5	185	7 11,1 4	1.2			
		- finely divided bedding at 70°/GA .	1000	1.20.0			- 103/					
	· · · · · · · · · · · · · · · · · · ·	- light coloured	5364	122.5	125.0	2.5	730	1580	1.2			
		- pyrite content 5% finely disseminated throughout sect	ion				,50	1000	/ 1.6	 		
				† <u>-</u>	·				/	-		
122.5	131.0	Graphite tuff - 25-30% graphite along bedding planes and shears	1									·
		- 8-10% pyrite with nodular habit					************					
		Lost core 125.2 - 126.7		1								
		127.0 - 128.0										
				1							. 1	
131.0	154.0	Siliceous Metatuffs (Rhyolite)		T	-							
		- waxy yellow colour										
		- 2-5% disseminated pyrite		1	_							
		- 50% of core ground										
154.0	174.1	Feldspar porphyry - 90% feldspar - phenocrysts		1								
		- 1/16 - 3/16 inch diameter		1								
		- matrix biotite - chlorite										
174.1	191.5	Metatuff (Dacite) - Similar to section 154-171										
		- minor graphite at 178.5 and 181.0										
		- 186.0 - 187.5 Limonite zone (probable fault gouge)										
				<u> </u>								
191.5	192.5	Graphite tuff - 30% graphtie		<u></u>								
		- 10% pyrite		<u> </u>								
				 								
192.5	246.5	Siliceous metarhyolite and metarhyolite tuff		 		 			·			
		- massive to foliated		 		 	. :					
		- waxy yellow colour		 	<u> </u>							
		- extremely hard										
		236.5-246.5 85% silica with 2-3% disseminate pyrite		+								
046 5	247 7			 		 						
246.5	247.7	Graphitic tuff - 40% graphite		 					-			
247 7	252.0	Coldenas Dounhysy 50% foldenas accordenal amount of above	E26E	245.0	250 0	5.0	183	359		<u> </u>		· · · · · · · · · · · · · · · · · · ·
2477	252.0	Feldspar Porphyry - 50% feldspar - poor development of phenocrysts	3303	243.0	250.0	3.0	183	359	2.0			
		- siliceous ground mass - graphite along shears		+	 					 	———	·
				+								
		- 2-3% disseminated pyrite		 	<u> </u>	 				 		r
				+		 		-				
				1	I			[- 4	<u> </u>

DIAMOND DRILL RECORD

Hole No. TX-84-72 Sheet No. 3

Foots		DESCRIPTION	Sample No.	From	То	Length	Cu	Zn (nnm)	Ag	1		
From	To 25.4 9		ļ	1		5.0	[(bbm)	(ppm) 1120	(ppm) 2.8	·		
252.0	254.8	Graphitic tuff - 40% graphite - 5% pyrite •	5366	250.0	255.0	5.0	349	1120	2.8	' ——		
 		- 3% pyrice	5367	255.0	260 0	5.0	36	910	0.8	'		
254.8	262.5	Metatuff (Rhyolite) - siliceous - well bedded at 75°-90° to core axis	3307	1	200.0	3.0	1 30	1 210	1-0.0	'		
207.0		 locally porphyritic sections 	<u> </u>		<u></u>	1	11	<u>t</u>	1	·		
		- tuffaceous sections 5-7% pyrite	<u> </u>									
						<u>'</u>				\		
262.5	286.0	Gabbro - fine grained at contacts to coarse grained at centre		-						'		
<u> </u>		(grains up to 1/4 inch diameter)	<u></u>		<u></u>	<u></u>	<u></u>			'		
 		- hornblende - feldspar 60%-40%	-	-	-		<u> </u>	-	1			
 		- upper and lower contacts ground core	-	+				 		<u>'</u>		
286.0	369.0	Metafragmental (Rhyolite)	 -	+	 				+	'		
200.0		- stretched rhyolite fragments - siliceous at 60° /C.A.	 	+	 	 		 	+			
		- matrix waxy yellow sericite	1		1			1	1			
		- no visible sulphides							1			
		- milky qtz veins up to 1 inch diameter throughout section										
			<u> </u>							'		
ļ.		260 O foot END OF HOLF	<u> </u>	-			<u> </u>	—	<u> </u>	<u> </u>		
<u> </u>		369.0 feet - END OF HOLE		+				 	-	1		
			-	+	1	-		1		<u>- </u>		
			+	+	†	 		1-	+		·	·
			1	1		1	<u> </u>		 	+		
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<u> </u>				 	-	<u> </u>		-	—	<u></u>		
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DIAMOND DRILL RECORD

TX-112-73 Hole No.

Hole No.	TX-112-73	Sheet 1	Length .	305'	Commenced	June 12, 1973	Dip:	: Collar	45°			I	Location	Sketch	North	.h	,
Duanautes	Nova-l		Bearing .	135° azimuth	Completed	June 16, 1973					****	TI			7 A	•	,
Township	Nova		Dip	-45°	Drilling Co	Bradley Bros. Ltd.	Etch	h Test	Depth	Rdg.	True	e		,	1 7		,
Location	Grid 3 L	ine 8+00E	Objective	Test AEM and ground	nd Core Size	AQ	1										
-100401011		10+00N	Objective	conductor	Casing Left in			***************************************	H-1					Q			. ,
Torged By	S.N. Watov		1 '		Casing Deren	n noie	1				***************************************	-		٩	'	No. 264	1550
Core Location	Timmins	c Office	1			***************************************	-	***************************************		·····		-		· >	Claim	No. ~	
COLC TROUBLES	·		1				_		······		***************************************	-			Scale:	1" = 1000	.ງດາ
D												-					
Remarks			***************************************			<u> </u>	1					┦ ┗—			j		
		***************************************		***************************************	**************************************)	-				······································						
Foot	200			·				Sample	ī			Cu	Zn	i Ag i	Au	I Ni I	
From	To	i		DESCRI	PTION	-	•	No.	From	To	Length			million		ppm	1
From	10	1	<u> </u>						 			Pary	s per		- -	 	-
0.0	60.0	OVERBURDE	-N	sands and gra	Plane			+					-		, ``	+	
- 0.0	- 00.0	UVERDURDE	<u>N</u>	Sallus alia yi a	.4612			+'									
60.0	125.0	METARHYOL	TTE FRAG	MENTAL light grey, v	work fine drain	ealiceniis		+'	 						<i>J</i>	+	
	123.0	PIETANTIOL	TIE LIVION					 '					 	 		+ +	
i —————				COMPOSITION &	AS Matriz; iray	ments range in size from	Oni	 '								+	+
			/	specks to at	least 2 inches	. The fragments are		 '						 		1	
		1		highly stretc	hed due to TOI	liation and have an x to	<u>.о у</u>	 '	 		 					+	
·	/-	-IV-W		ratio of from	14:1 to 6:1.	Foliation is 80° to C.	Α.	 '						 	<u> </u>	+	
l 		<u>~</u>	83.0 -	89.0 fragments are	more distinct	, in that they are								 	<u></u>	1	+
	XI-	<u> </u>		practically c	<u>_herty</u>	5 5 5 5			L				·	1	<u></u> '	1	4
		<u></u>	<u> 111.0 -</u>	· 111.5 graphitic fra	igmental lamina/	le fragments 25% are			L					<u> </u>	·	1	
		<u></u>		rhyolitic, 2%					L						·'		
				- 121.0 rhyolite frag									····		<u></u>		
		·	121.0 -	125.0 cherty brecci	ia 1% pyrite.			T′							- 		1
		·						T							,		1
125.0	135.8	PYRITE ZO	JNE					 							1		f
		<i></i>	125.0 -	- 133.3 massive fine				5317	125.0	130.0	5.0	23	84	2.0	nil	149	
-		1				pyrite over 1 foot.							·		1		
		1	127.2 -	- 127.7 siliceous sec				5318	130.0	133.3	3.3	23	69	2.3	,		
		1 .		- 135.8 rhyolite with			~		133.3		2.5	17	164	1.5			
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DIAMOND DRILL RECORD

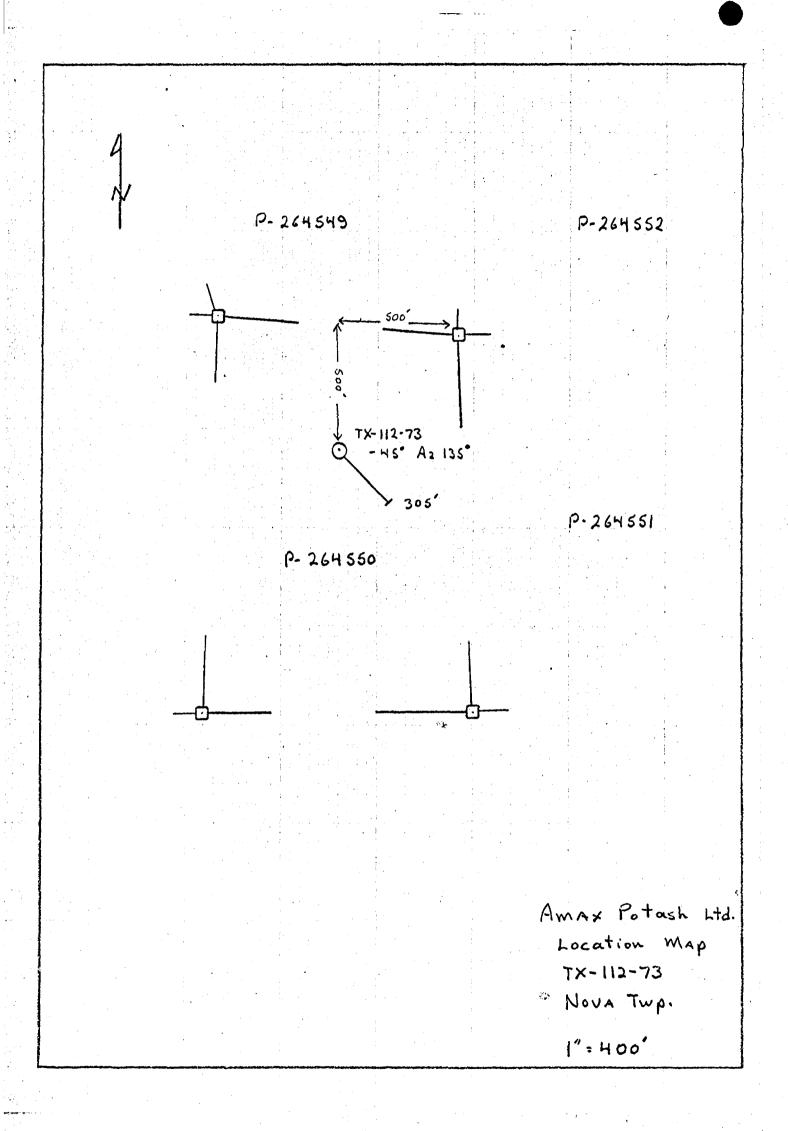
Hole No. TX-112-73
Sheet No. 2

Foota	ge	DESCRIPTION	Sample	From	То	Length	Cu	Zn	Ag	Au	1	
From	То	DESCRIFITOR	No.	From	10	Length	parts	per mi	llion	OZ		
_	1											
135.8	158.0	PYRRHOTITE ZONE	1		1							
		135.8 - 136.8 5% py & 5% po in rhyolite	1									
		136.8 - 140.5 rhyolite 2-3% diss. po.	5320	135.8	140.5	4.7	27	. 57	0.7			
		140.5 - 143.5 20% po minor py in dark cherty rhyolite	5321	140.5	143.5	3.0	39	218	1.0			
		143.5 - 144.4 siliceous unit		43.5		3.3		28	0.8			
		144.4 - 146.8 siliceous unit fractured with magnetite, po and	1	1	1	-						
		garnets along fractures; at 146.8 10% magnetite	†		į		1				i	
		over 3 inch unit as concentration of fine grains	1	T	1							
		as interstitial material around fragments	†	1	 							
		146.8 - 152.5 1-3% diss. po and 2-3% diss. magnetite in rhyolite	1	1	-		1					
		152.5 - 153.5 25% po	5323	152.5	153.5	1.0	76	102	2.3	· · · · · · · · · · · · · · · · · · ·		
		153.5 - 158.0 2-3% diss. po 1-2% diss. magnetite in rhyolite	10020	1.02.0	1.00.0	 	1	1 .02				
			 			 	1					
158.0	165.0	METARHYOLITE very fine grained, cream coloured, siliceous	†	 			 	 				
			 		1			 				
165.0	191.0	DIORITE fine to medium grained, grey, subhedral, crystalline,	 	 	 			1				
		massive uniform, plagioclase laths clearly visible	 	 	1	!	 	 				
-		suggesting intrusion after regional metamorphism.	 	 	 	 	 	 				
		60-70% feldspar 40-30% mafic crystals	<u> </u>		t	†	 	 				
		1% diss py and po.		+	 	 	 	1				
-	-	177 4100 pj 4114 po.	†	 	 		1		l	i		
191.0	204.0	META RHYOLITE FRAGMENTAL highly silicified; finely banded due to very	5324	191.0	193.5	2.5	29	192	1.2			
		elongate fragments at 80° to C.A. due to regional	1	1	1		 	1				
		metamorphism. Scattered sulphides about 1%			1			1				
		throughout but ranging up to 15-20% over short			1	İ	 	†				
		6 inch sections. py:po in 1:1 ratio.		İ								
				-								
204.0	211.0	DIORITE intrusive contact at 204.0 at 45° to C.A. cut			1							
	- 1	across foliation of metarhyolite.	1	1	1							
			1									
211.0	249.0	META RHYOLITE siliceous, banded due to stretched fragments as	1									
		at 191.0 - 204.0 but sulphides are scarce.	1		1							
		214.0 - 221.0 garnetiferous zone - matrix very fine grained,	1				i					
		dark grey 1/16 - 1/8 inch rounded red garnets,										
		subcrystalline range from 3% to 35%.	T	T						T		
			1	T	1				Ī			
			1		1	1	1	1			T	
			1		T	T	1	1		T		i
ı 			1	1	T	1	1	1	1			i.
				• • • • • • • • • • • • • • • • • • • •								

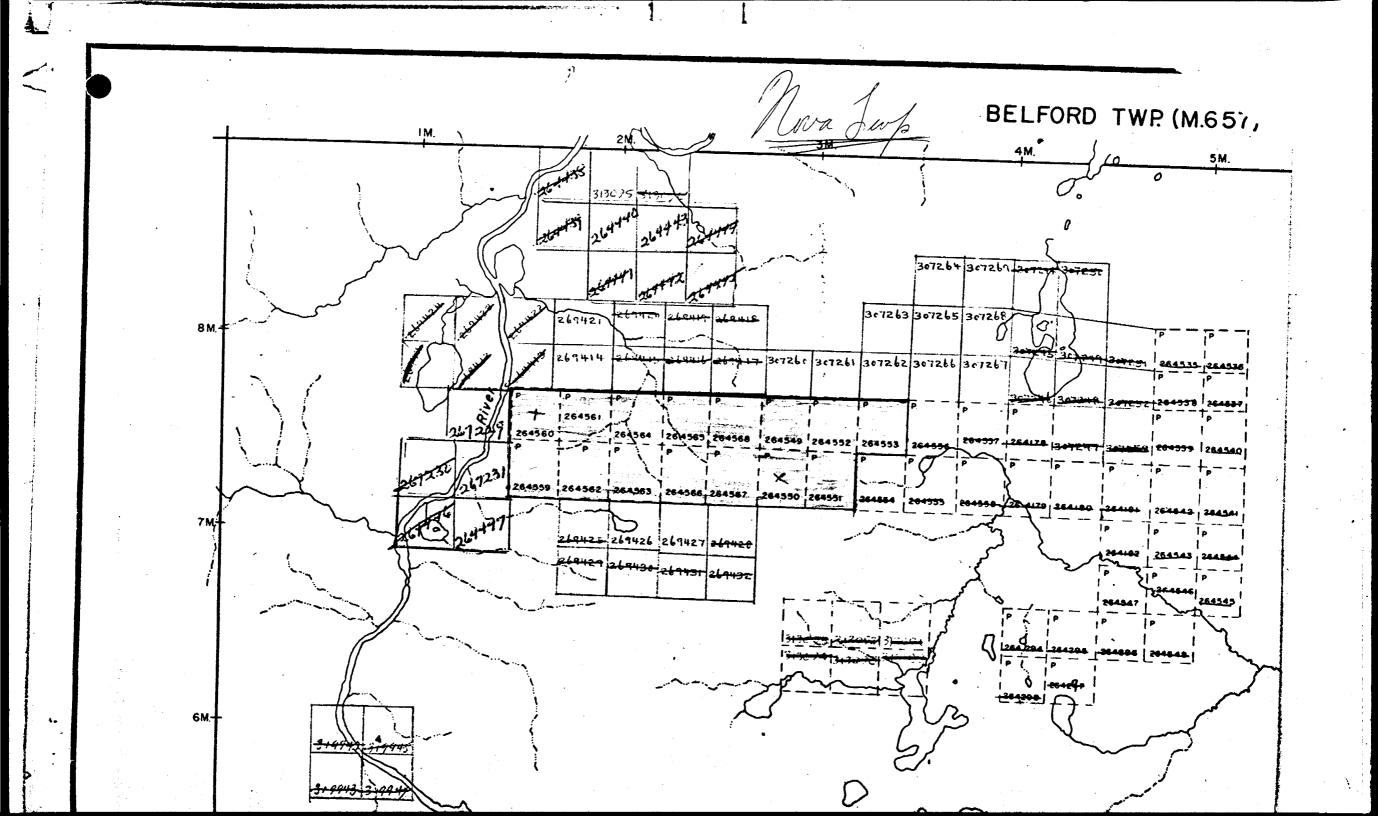
DIAMOND DRILL RECORD

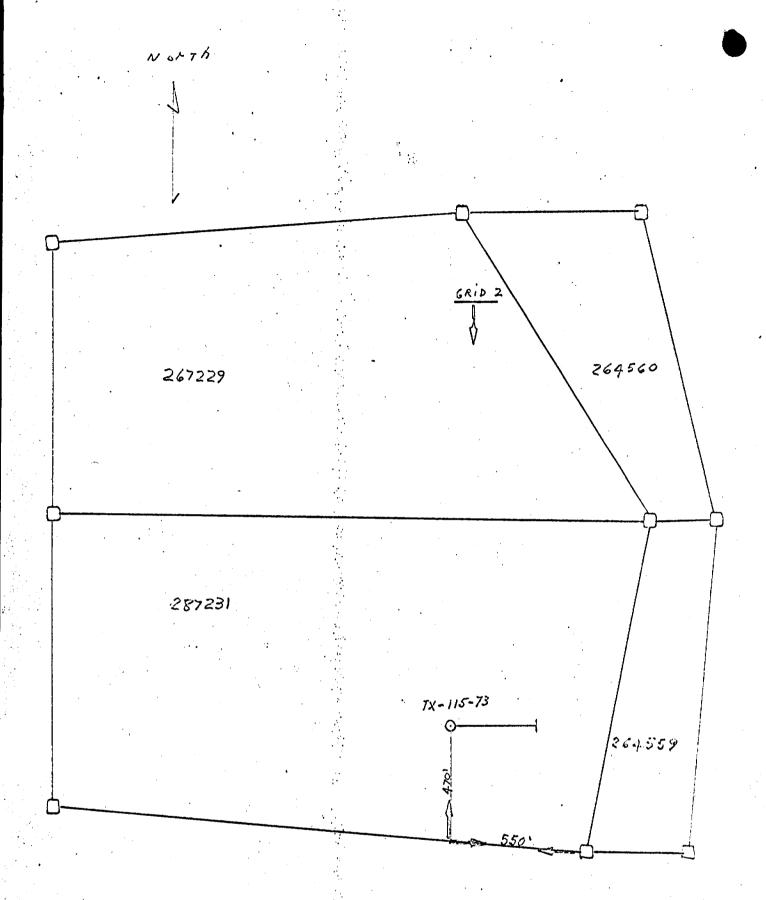
Hole No. TX-112-73
Sheet No. 3

									neet 110		**************	
Foots	ige		Sample	_							Ī	
From	То	DESCRIPTION	Sample No.	From	To	Length					1	i
249.0	255.7	CDANODIODITE - WONZONITE				<u> </u>						
	255.7	dranoblokiil - honzoniil pink, medium grained, equigranular, ma	ssive	ļ								
I ————————————————————————————————————		GRANODIORITE - MONZONITE pink, medium grained, equigranular, ma biotite 10% slight foliation 20-25% pink feldspar; subhedral crystals				 						
		20-25% pink feldspar; subhedral crystals	•			 						
255 7	305.0					 						
255.7	305.0	BANDED METARHYOLITE very siliceous, loght grey and light bro	wnish_tone									·
		due to coloured bands which appear due t	o extremely			 						
		due to coloured bands which appear due telongated, stretched fragments; texture 271.3 - 276.0 MONZONITE DIKE as at 249.0 - 255.7 slight	aphinitic	ļ		LI						
		271.3 - 276.0 MONZONITE DIKE as at 249.0 - 255.7 sligh	tly coarser									
		grained and more perfectly crystalline,	short									
		contacts.										<u> </u>
·			·									
	305.0	END OF HOLE.										
												i .
		·										
												1
	•					ii						
									-			
												1
											i	i
							/					
												
						t		f				
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_						1. , , !		l.,,.	1	1		1



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Nova Drop Report H 18-74 Amax Potash Ill.

> AMAX POTASH LTD NOVA -1 Dias and Drill Hole Location NOVA - Townships

· SCALE 1"= 400"

DIAMOND DRILL RECORD

Hole No. TX-113-73

	TV 330 70		070.0												
	<u>TX-113-73</u>		312.0	Commenced June 17, 1973	Dip:	Collar	45°	······································			Location	Sketch	North		
Property _			135° /	Completed June 21, 1973	-	. m+	D 47	** *	_	.			, ,		
Tow nship N	rova	Dip	45°	Drilling Co. Bradley Bros. Ltd.	- Etch	Test	Depth	Rdg.	. Tru	Te					
Location	<u>Grid 4 L</u>	ine 3+00W Objective	To test ground HEM	Core Size AQ								⊙			
		1+005	conductor.	Casing Left in Hole All casing could				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		_				_	
Logged By	S.N. Wato	wich		not be removed.	_	***************************************						Y	Claim 1	No. 307	<u> 266 </u>
Core Location	<u>Timmins</u>				_	·			····	_			l		
			2 1 1	1. I.I	-	**************************************				_			Scale:	l" = 100	0'
Remarks		Dubmi Hed	312 feet for asso	esmenteredit			····			_	_		1		!
		on Nova Go	, l'Extension Jo	en,30/74	-					_ _			•		;
<u> </u>					1		, ,				1				
Foots		♦	DESCRIPT	TION		Sample No.	From	To	Length				ł	1	,
From	То			·		140.					 				
		OVEDDUDDEN	cand and di	ravel	· • .										
0.0	6.0	OVERBURDEN	- Sanu and gr	(Q V C I		+	 		 		 				<u> </u>
I —	70.0	CARREDO		od ophitic toytung subhodus?			 				-				
6.0	70.0	GABBRO		ed, ophitic texture, subhedral							 			-	
				-50% feldspar and 50-60% mafic		 			 		-				
				feldspar crystals average 3-4 m	111.	+	 		 		 				
				subhedral, yellowish cream in	ior	+	<u> </u>				 				
				esting a degree of saussuritizat		 			 	<u> </u>	 				
				ystals appear amphibolitized. Ce		 	 				1				
				n a euhedral pyroxeme form perha	h2	+	[1				
				pyroxene centers indicating	od.		 		├		 				
		1/2/		Iteration. Magnetite is scatter		+	 			<u> </u>	-				
	-	112		ent which gives the rock a moder	ale						 				
		11,6		racter. Less than one percent ins occur. The rock is massive		1		-	 			<u> </u>			
		<u> Linnan</u>				 					 				
	1/ 1	,		y uniform. The lower 10 feet ar	е				ļ		<u> </u>				
				iner grained due to chilling at				-	 		↓	<u> </u>			
	/ .		the contact.				ļ								
	160.0					 	 								
70.0	162.0	SULPHIDE ZONE		nt of pyrrhotite with slightly		 	 			<u> </u>	 -				
				byrite range from disseminated a	na	 	 				_				<u> </u>
				inlets and patches to massive			<u> </u>		 		1	<u> </u>			
				hese sulphides occur in a host		 	<u> </u>		 		 				
			rock Which is	s fine grained, light grey and			<u> </u>								
			varies in com	mposition.		 				ļ	 	 			
						 	 			 	 				ļ
									ļ	 	 				
						 					 				
						 				<u> </u>	 				
·	1					1	·	1	i		1	l			l
·															

DIAMOND DRILL RECORD

Hole No. TX-113-73

Footage DESCRIPTION Sample From To Length Zn Cu Ag	Ni
From To DESCRIPTION Sample From To Length 2" ou 19	lion
70.0 162.0 SULPHIDE ZONE from a dacite to a rhyolite as determined by	
the apparent silica content. The section has	
a strong preferred orientation as determined	
by the lenticular banding at about 80° to C.A.	
In all probability this is due to the shearing	
and distortion of fragments suggesting that the rock had an origin as a volcanic breccia,	
perhaps a pyroclastic origin.	
70.0 - 77.7 10-20% diss. po-py in felsic rock 5325 71.0 77.7 6.7 260 63 2.2	147
77.7 - 81.0 25% to 50% locally po with py 5326 77.7 81.0 3.3 256 50 1.5	194
81.0 - 82.7 25% po-py 5327 81.0 82.7 1.7 212 53 2.0	
82.7 - 98.8 metadacite fragmental, fragments highly	
stretched 'a' axis to 'b' axis 5=1;	
garnetiferous, scattered red garnet	
porphyroblasts as irregular blebs and patches	
range from 3mm. to 1 cm. in size and 2% to 10%	
in content. One percent sulphides.	
98.8 - 107.2 massive po and py (3:1 ratio) in a siliceous 5328 98.8 103.8 5.0 44 59 2.5	-
rock sulphide 50-80% 5329 103.8 107.2 3.4 110 39 2.2	
107.2 - 112.0 metarhyolite, light grey, sericitic, strongly	
foliated 80° to C.A.; less than 1% sulphide.	
108.0-109.0 - lamprophyre dike, fine grained	
black, magnetic, biotitic contact	
45° to C.A.	
112.0 - 137.0 po with py 30% to 80%	
111.8-116.8 - 45% po-py as massive sections 5330 111.8 116.8 5.0 247 49 1.7	
116.8-121.8 - 25% po-py massive and heavily 5331 116.8 121.8 5.0 241 43 1.1	
disseminated	
121.8-128.0 - 20% disseminated py-po 5332 121.8 128.0 6.2 288 40 1.4	-
128.0-133.0 - 50%-60% heavily disseminated 5333 128.0 133.0 5.0 95 33 1.6	-
grains of predominently	
pyrrhotite with pyrite (ratio 4:1)	
133.0-136.7 - similar to 128.0-133.0 5334 133.0 136.0 3.0 83 38 1.5	

DIAMOND DRILL RECORD

Hole No. TX-113-73
Sheet No. 3

Foot	age	DESCRIPTION	Sample	From	To	Tanath	Zn	Cu	Aq	Ni		
From	То	DESCRIFIION	No.	From	10	Length	na	rts ne	r mil			
												Ī
		137.0 - 148.8 metarhyolite, highly sheared fragmental locally	1		T		 			<u> </u>		
		10-15% po as massive lensoid masses; locally a			 							
		garnetiferous section, sections up to 3 feet less		1								
		than 2 percent sulphides.										
		148.8 - 152.4 50-60% massive po - minor py.	5335	148.8	152.4	3.6	66	33	1.8			
		152.4 - 154.0 lamprophyre dike, dark grey magnetic, biotitic;										
		chilled contacts at 45% to C.A.										
,		154.0 - 157.1 massive po; fine grained 50-80%	5336	154.0	157.1	3.1	34	40	2.1	-		
		157.1 - 162.0 massive po as heavy disseminations, massive		157.1			52	37	1.6	-		
		streaks and section ranging from 50-60% by	1	10/11	1000							
		volume.	Ī			<u> </u>						:
		volume.						`			1	
162.0	167.2	METARHYOLITE light grey, siliceous, fine grained rock, one										1
		percent sulphide, rare patch of pyrrhotite.		<u> </u>								1
				 		 				——		i
167.2	196.5	AMPHIBOLE-FELDSPAR GNEISS		<u> </u>		 		<u> </u>		 	 	
***************************************		a coarse grained amphibole rich rock composed of		 	t	f		†		\vdash	1	<u> </u>
		greenish orientated subhedral amphibole crystals		 	 	 		†				<u> </u>
		ranging from 3mm to 7mm in length and forming										
		from 25% to 35% of the rock. The grains may be			†							[
		porphyroblasts. The groundmass is fine grained	.									[
		and a light grey. This combination gives the		†					F		1	
		section a mottled appearance of dary green and			i							
		grey. Brownish streaks are prominent in the		 		1				<u> </u>		
		matrix due to fine biotite content 10-20% again										
		suggestive of metamorphic segregation. Less										
		than one percent sulphide.										
		- at contact at 167.2 dark bluish grey 3 inch										
		quartz vein with a few tourmaline feathers;										
		contact 45° to C.A.										
167.2	196.5	FELDSPAR-AMPHIBOLE GNEISS	}					}				
		187.0 - 196.5 scattered porphyroblasts of garnet from 3mm		1	T	T		T				
		to 6mm in size and forming 10% of rock.										
				1		1						
			1	1	1	1	1	1			1	
l						1			1	1	T	
				1	1	 	T	1		1	1	

DIAMOND DRILL RECORD

Hole No. TX-113-73 Sheet No. 4

									•	Sneet No			
From Foots	nge To		DESCRIPTION	Sample No.	From	То	Length						
	· ·												
196.5	207.0	METARHYOLITE	very fine grained, siliceous, sericite along						-	+			
		112777111702212	fine laminae foliated at 80° to C.A.	 					†	1			
			Tine familiae fortaced at 00 to con-	 			1		1	†			
207.0	277.0	METADACITE	generally a fine grained dark grey feldspar -	-						 			
			amphibole gneiss; somewhat similar to 167.2-						†				
	-		196.5 but amphibole porphyroblasts are not so	1					1				
			well formed; a distinct metamorphic differen-	1						1			
			tiation occur in the banding of amphibole lamina	e.									
			However generally the fine matrix of mixed	1									
			feldspar and amphibole dominates; rare garnet										
			grains occur.	1 .			1		1	1			
277.0	296.7	DIORITE	grains occur.						1	1.			
	•		medium grained, grey, equigranular, massive										
			rather uniform, subhedral crystalline rock		1								
			composed of 60% feldspar and 40% amphibole in							1			
			an ophitic texture; grain size 2-3 mm. The							 			
			rock may be a fine grained feldspathic gabbro.	1				_	T				
	,		1				l	1	1				
296.7	312.0	METADACITE	similar to 207.0-277.0; foliation 75° to 80°							1			
			to C.A.										
•	312.0	END OF HOLE.											
							Į .						
			0/11						<u> </u>	1			
			See Sketch with						<u> </u>				
			Tx 114							<u> </u>			
					ļ		<u> </u>	ļ		<u> </u>			
		•								<u> </u>			
								<u> </u>	_				
						<u> </u>						1	
									1				
-			·					<u> </u>					
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-										1			
										1	T .		
		Andrew Col. Colonia Co.					•						

DIAMOND DRILL RECORD

TX-114-73 Hole No.

Hole No.	TX-114-7 Nova-1	Sheet 1 Length 346.0 Commenced June 22, 1973 Di Bearing 180° Completed June 24, 1973	Dip: Collar 45°					Location	Sketch	Nort	h	
Township Location	Nova Grid 4	Line 2+00E Objective To test ground conductor Core Size AQ Casing Left in Hole all casing not	tch Test	Depth	Rdg	. Tro	1e		e de la companya de l			
	S.N. Wat on Timmins	owich removed.				, 				Claim	No	
Core Locatio	n 1 111111 1113		······································							Scale:	1" = 100	00'
Remarks	***************************************	Submitted 346,0 feet for assessment and its]		
-		on Hove Calcap 17 Latension Jan 30/74			· · · · · · · · · · · · · · · · · · ·		- -		-	-		
Foo	tage	DESCRIPTION	Sample	From	То	743	Cu	Zn	Ag	Au	Ī	
From	То	DESCRIPTION	No.	From	10	Length	parts	per mi	llion	oz.	ppm	
0.0	76.0	OVERBURDEN sandy clay, sand and gravel		 			-					<u> </u>
	70.0	OVERDORDEN Sandy Clay, Sand and graver		 	 			1				
76.0	158.0	FELDSPAR-AMPHIBOLE GARNET GNEISS		1				1				
		fine grained, dark grey to light grey finely										
		banded and strongly foliated at 65° to C.A. The										
		rock is predominently feldspathic 70-80%. It is			<u> </u>			1				
	<u> </u>	characterized by 1/16" ovoids of feldspathic		1	<u> </u>							
		material which are probably porphyroblasts of			ļ							
		albite. These form from 30-40% of the rock.		<u> </u>	<u> </u>			ļ				
	<u> </u>	Reddish brown masses of garnets are clustered in			<u> </u>			ļ				
	<u> </u>	scattered patches in ovoids and streaks from		 	<u> </u>			_				<u> </u>
		1/16" to 1/2" in size. Pyrrhotite and minor		<u> </u>	ļ			ļ				<u></u>
	<u> </u>	pyrite are scattered in short sections of 6 inches		ļ	ļ			4				
		to 2 feet in amounts from 10% to 25% as streaks		 		<u> </u>		.				<u> </u>
	<u> </u>	and massive patches.			<u> </u>						100	
	<u> </u>	96.3 - 97.6 po with py 15%	5702	96.3				80		nil	126	ļ
	 	112.0 - 113.0 po 20% py 5%	5740		113.0		109		1.9		<u> </u>	
	1-1	117.5 - 121.3 syenite dike intruded by a conformable one inch	5741	117.0	121.3	4.3	183	120	1.6			<u> </u>
<u></u>	 	pyroxene lamprophyre dike 126.0 -126.7 fine grained lamprophyre dike, magnetic cuts across		 	 	 		 			ļ	
	1	126.0 -126.7 fine grained lamprophyre dike, magnetic cuts across the foliation at 45°		 	 			 		<u>'</u>	 	
	1. (5	126.7 - 158.0 garnets are very scarce. rock is generally		 		-		 			 	
	+:,	feldspar-amphibole gneiss.		 	 	 		 			 	
	 	Teruspar-ampiripore gnerss.		+	 	†		+			 	
	+			 	 			 			 	
	+			1-	1			1			 	
				1							 	
	Ī			1	1						 	
				1	1		1	1		•		T

DIAMOND DRILL RECORD

Hole No. TX-114-73
Sheet No. 2

Foota	ge		D T C C D I D T I O N	Sample	E.	77	T	Zn	Cu	Ag	Ni	Au	
From	То	<u> </u>	DESCRIPTION	No.	From	То	Length		ts pe			οz	
158.0	198.5	FELDSPAR-AMPHIBOLE GNEIS	S										
			strongly foliated 50° to C.A.; finely banded felsion	С									
_		,	material dominent 80-85%.										
198.5	200.5	AMPHIBOLE-GARNET GNEISS	large reddish brown garnet nodules dominate 30%;										
			amphibole in coarse grained crystals.										
200.5	307.0	SULFIDE ZONE	Meta rhyolite to metarhyodacite, banded siliceous										
			sections alternate with felsic-mafic gneiss. The										
		9	siliceous sections are almost cherty in appearance										
			The mafic bearing section contain 10% amphibole										•.
			minerals and 10-20% magnetite. Massive pyrite										
			and pyrrhotite occur in short sections and in										
			variable proportions throughout. The sulphides										
	-		are also distributed throughout as disseminations			-							
			and streaks in varying amounts from 2% to 25%.										
			Lamprophyre dikes cut this zone. Short										
			garnetiferous sections occur rarely and are								-		
			associated with mafic rich sections.										
		200.5 - 201.4	massive patches of pyrrhotite 30%	5703	200.5	201.4	0.9	40	720	3.9	-	-	
		207.3 - 210.7	cherty foliated rhyolite scattered patches of										
			massive py 10% po 2% at 209.0 4 inch band of	5704	207.3	210.7	3.4	220	37	0.8	-	-	
			pyrite (py) 90%										
		222.0 - 225.0	massive pyrite 30%	5705	222.0	225.0	3.0	54	41	1.3	-	nil	
		225.5 - 227.8	LAMPROPHYRE DIKE fine grained chilled borders,										
			central core about one foot with coarse pyroxene										
			crystals; biotite is common; strongly magnetic due										
			to 5% - 8% magnetite.										
		231.0 - 232.0	disseminated and streaky pyrite and magnetite	5706	231.0	235.0	4.0	88	44	1.9		nil	
			10% py 2% po 15% magnetite.										
		232.0 - 233.0	massive streaks and laminae of pyrite 40%										
			massive pyrite with rare magnetite laminae.										
			(90% pyrite)										
		235.0 - 236.0	aphinitic metarhyolite										
		236.0 - 237.8	laminae of pyrite with pyrrhotite and laminae of	5707	235.0	237.8	2.8	179	55	1.9			
			disseminated magnetite with 40% magnetite content;										
			py 15% - po 3%										
					1		1						
					1		ĺ						
					†	<u> </u>			 			 	

DIAMOND DRILL RECORD

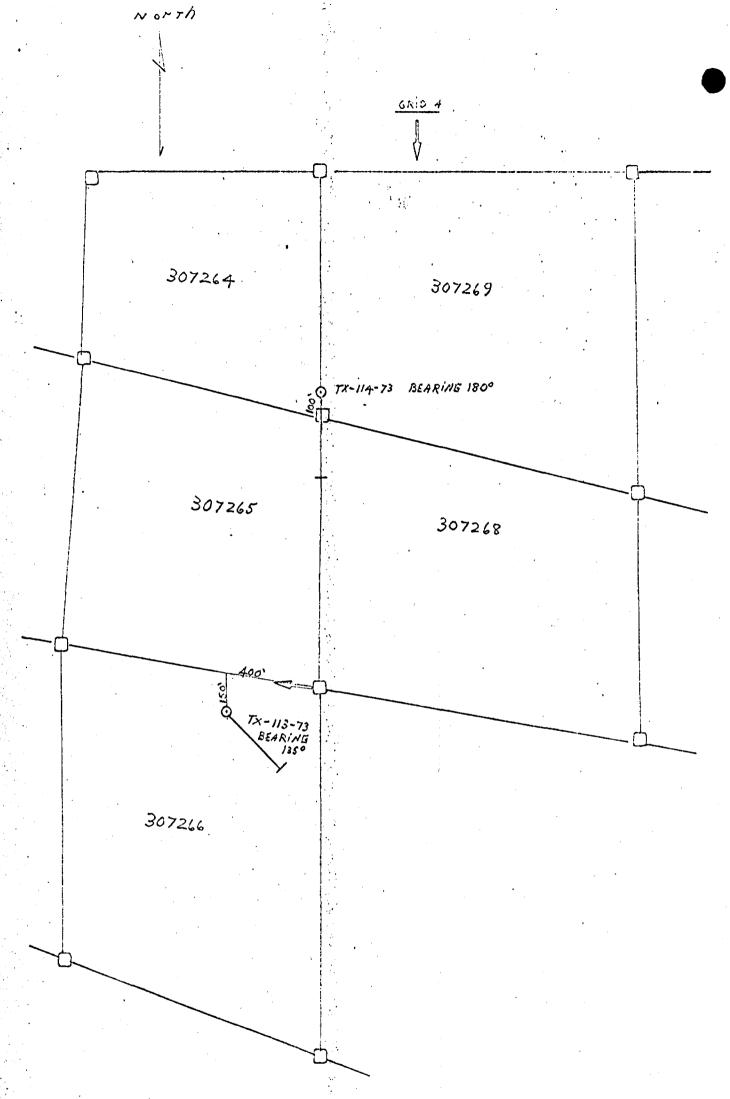
Hole No. TX-114-73

Foota	ge			Sample	T3		, ,	Zn	Cu	Ag	Ni	Au	
From	То	•	DESCRIPTION	No.	From	To	Length	par	ts pe		ion	oz	
								<u>P \$13.</u>	VV				
		227 0 220 0	TRAD DIVE fine anained damy arey	 	<u> </u>								
		237.0 - 238.9	TRAP DIKE fine grained dary grey	F700	000 0	041 7	2 0	155	100	- 2			
		238.9 - 241.7	one foot sections of 50% po and 10% pyrite at	5708	238.9	241.7	2.8	155	108	3.2		nil	
			239.0 and 241.7	1									
			unmineralized portion is siliceous metarhyolite.]		
			Section at 241.0-241.7 contains 10% diss. magnetite.										
		241.7 - 242.5	quartz vein or cherty section with magnetite	5709	241.7	243.2	1.5	104	_43_	_ 1.5		nil L	
			laminae 241.7-242.5 banded disseminated magnetite										
			20% and pyrrhotite 10% 242.5-243.2										
		244.5 - 246.5	diss. py. 5% with diss. magnetite 10%	5710	244 5	246.5	2,0	87	25	1.1			
		248 0 - 253 0	LAMPROPHYRE DIKE, fine grained, biotite common,	13/10	244.3	240.0	2.0	- 07					
		270.0 - 233.0	magnetic typical pyroxene phenocrysts are not	+	 	 							
			present.										
		057 0 057		ļ. · · · ·	ļ					<u>-</u>			
		255.0 - 25/.0	scattered laminae of po with pyrite.disseminated	ļ	<u> </u>								
			magnetite in fine laminae										
			strong foliation 45° to C.A.		!								_
		266.0 - 276.0	coarse garnet-amphible section with 10-15%										
			scattered patches and bands of pyrrhotite	1 .									
		276.0 - 277.5	decrease to rare garnet trace	5711	276.0	277.5	1.5	92	68	1.3			
			increase in po streaks 15-20%	1.5/	2/0.0	E//.V							
		280.0 - 282.0	massive section of 80% po with rare pyrite spots	5712	280.0	202 0	2.0	119	73	1.6	326	nil	
		200:0 202:0	280.0 - 281.0	13/12	200.0	202.0	2.0	112			0_0_		
		-	diss. po 7%; py 2%	+		<u> </u>	·					· ····	
		201 E 206 O	massive no FOO with purity natation 100 with account	+ -712	004 F	200	2.3	106	158	2.6	700	nil	
		284.3 - 280.8	massive po 50% with pyrite patches 10% with coarse	5713	284.5	286.8	2.3	100	130	2.0	700		
		006.0	silica rich fragments	 	ļ								
		286.8 - 305.0	metarhyodacite, lt grey, very fine grained.										
		305.0 - 307.0	scattered streaks of pyrrhotite (py) 10%		<u> </u>	<u> </u>							
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DIAMOND DRILL RECORD

Hole No. TX-114-73
Sheet No. 4

DIAMOND DAILL RECORD										4		***************************************
Foots	age		Sample	P-				1		1		
From	То	DESCRIPTION	Sample No.	From	То	Length		<u> </u>				
3 07.0	325.5	GARNET-FELDSPAR -AMPHIBOLE GNEISS										
		coarse grained, mottled brownish and light grey with black laminae due to large reddish brown garnet porphyroblasts 1/8" to 1/4" in a felsic layers 1/2" wide and separated by laminae of coarse										
		with black laminae due to large reddish brown										
		garnet porphyroblasts 1/8" to 1/4" in a felsic			<u></u>				<u> </u>			
		layers 1/2" wide and separated by laminae of coarse										
		amphibile plates.	<u> </u>	<u> </u>	L							<u> </u>
		Average content:			<u> </u>				<u> </u>	ļ		
		garnet 20-40% feldspar 50-60%						<u> </u>				
		feldspar 50-60%		ļ	<u> </u>	<u> </u>	<u> </u>					
		amphibole 10-15%		ļ	<u> </u>	ļ		ļ.	 	 		
I 		APO 3 A A	 		<u> </u>	ļ	<u> </u>	ļ	<u> </u>	ļ		
		strong foliation 45° to C.A.	_		ļ			1 . ,	<u> </u>			<u> </u>
<u> </u>		occassional blebs of pyrrhotite	1			ļ			<u> </u>	<u> </u>	 	
	246	AMPUIDOLITE fine queined emplifule 70% foldeness 20%	 	ļ	 			ļ		<u> </u>	 	
325.0	346.0		<u> </u>		ļ	1		<u> </u>	ļ			
		gneiss, dark grey; rare garnetiferous sections	<u> </u>		 	<u> </u>		ļ	<u> </u>			
		meta andesite.	1	ļ	 	 	ļ	 	ļ		 	
		FND OF HOLF	 	 	 	 -		-		 	 	
	346.0	END OF HOLE.	 	-	 			-	 	 	 	
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AMAX POTASH LTD

NOVA-1 EXT

Diamond Drill Hole Location

Nove Township - Ontorio

DIAMOND DRILL RECORD

Hole No. TX-115-73

Role No. TX-115-73 Sheet 1	Length 352.0 Rearing 90° azimuth	Commenced June 26, 1973 June 28, 1973	Dip: Collar45°		Location Sketch	North
Property Nova-1 Township Nova Location Grid-2 Line 6+00S	Dip 45° test HEM anomaly	Drilling Co. Bradley Bros. Ltd. Core Size AQ	Etch Test Depth	Rdg. True	/	
Logged By S.N. Watowich Core Location Timmins		Casing Left in Hole casing removed			Live 65	Claim No. 267231 Scale: 1" = 1000'
Remarks Suhmited	217.2 Leet on Hora-1 on 76,0 feet on Nova Gpl Ext.				TX-115-73	Scale: 1 = 1000
Footage	DESCRIP	TION	Sample From	To Longth	Zn Cu Ag	Ni Au

								1					
Foot			DESCRIPTION	Sample	From	To	Length	Zn	Cu	Ag	Ni	Au	
From	To	*		No.	Fiom		-eng (n	par	ts per	mill	ion	oz	
				-									
0.0	10.0	OVERBURDEN	fine gravel and boulders										•
10.0	51.3	GARNET GNEISS	coarse grain garnet amphibole feldspar gneiss,										
			foliation 30° to C.A. garnets 1/8" to 1/4"										
			porphyroblasts forming 10% to 30% of the rock										
51.3	110.0	SULFIDE ZONE	f.g and massive po range from 5% to 50%		i								
		51.3 - 53.0	po 15-20% magnetite 10-15%	5339	51.3			244	33	1.7	152	nil	
		53.0 - 57.7		5340	53.0	57.7	4.7	294	37	1.1	-	_	-
			garnet gneiss										
		57.7 - 59.0	massive f.g. po.	5341	57.7	59.0	2.0	297	44	1.4	137	nil	
		59.0 - 95.0	diss. and streaky po along gneissosity of 30° to C.A.;										
		!!		5342	59.0	65.0	6.0	217	54	1.1	-	-	
		/ /	amphibole gneiss					1	1	* -			
		1/10	feldspar-quartz - 70-80% of rock.										
		11000	rare 1/4" carbonate veinlet with 1-3% diss.					1					
		10	sphalerite formation highly folded as indicated by	5343	75.0	80.0	5.0	128	50	1.2	-	-	
	A	p^{\prime} .	change in gneissosity from 15° to 20° between					1					
	7)	Ü ^c	70.0 - 95.0	5344	85.0	90.0	5.0	188	45	1.0	_	-	
		95.0 - 110.0	similar to above gneissosity 30° to C.A.										
	17.00		host rock fine grained siliceous feldspar-quartz	5345	105.0	110.0	5.0	183	52	0.7	-	-	
			75-80% po 10-15%					1					
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				1							11.00		
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DIAMOND DRILL RECORD

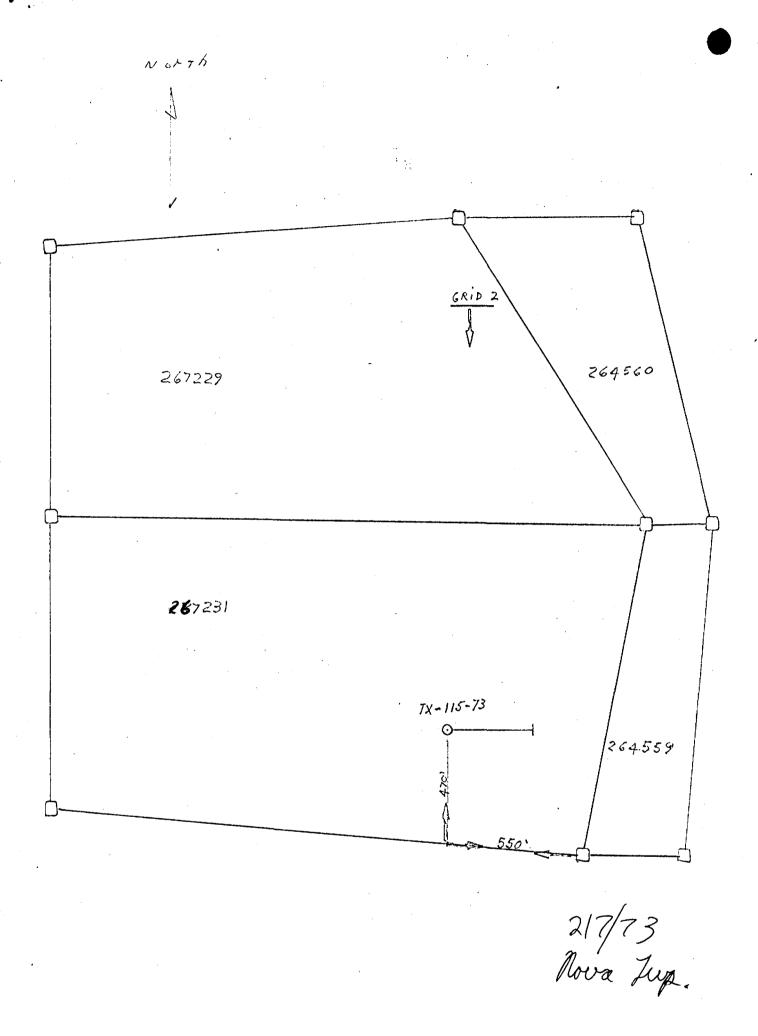
Hole No. TX-115-73
Sheet No. 2

Foots		DESCRIPTION	Sample No.	From	То	Length	Zn	Cu rts pe	Ag	Ni	Au	
From	То		140.	 			pa	nts pe	. 11111	1011	OZ	
7700	7/170	EELDSDAD OHADTZ AMDUTDOLE CHETSS	_	 	ļ			-			 	ļ
_110.0	141.0	FELDSPAR-QUARTZ-AMPHIBOLE GNEISS YORV fine grained grey strongly foliated at		 		,		 				<u> </u>
		very fine grained, grey, strongly foliated at 30-40° to C.A. scattered whorls of garnet-erratic					 					-
-		JU TU LU UIA: Deductied miorio or quince ciracic		<u> </u>				 				
	1: 11:11:	streaks of po 5%. 116.0 - 119.0 medium leuco granodiorite contact parallel to					 	1	* ***			
		foliation (sharp)		1								
		122.8 - 124.0 granodiorite as above.										
141.0	167.2	FELSIC GNEISS (META RHYOLITE)										
		very fine grained, siliceous, strongly foliated					<u> </u>			<u></u>		
		at 40° to Č.A.				<u> </u>	<u> </u>	<u> </u>			 	<u> </u>
	<u> </u>	Tocally cherty.		ļ		*** * * *	· · ·	1				· ·
167.2	177.8	SULPHIDE ZONE pyrrhotite diss. and massive from 15% to 50% in a		 	ļ		<u> </u>	<u> </u>		ļ		
10/.2	1//.0			 -					· · · · · · · · · · · · · · · · · · ·			
.———		fine grained felsic gneiss with scattered garnets 167.1 - 170.0 20-25% po		167 1	170 0	2.1	200	-	1 2		 	
		174.2 - 176.5 40% po	15346	174 2	170.0 176.5	3.1 2.3		144	1.3	319	nil	
		174.2 - 170.3 40% po	3347	1/4.2	1/0.5	2.3	328	144	2.1	319	n i i	<u> </u>
177.8	293.3	FELDSPAR-AMPHIBOLE-GARNET GNEISS		1								l
		fine grained, grey similar to 110.0 - 141.0 but			†			1				
		garnets range from 5% to 25% and 1/16" to 1/4"			1							
		in size.										
		177.8 - 219.5 garnet zone terminated										
		219.5 - generally megascopic appearance compatible with a					1					
		metadacite.					ļ	<u> </u>		<u> </u>		
		260.0 - 293.3 diss. po-py 1-3%; foliation 10° to C.A.		076 6	070 0	2 0		ļ <u></u> -	2 5	<u> </u>	ļ	
		276.6 - 278.8 25% diss. po-py ratio 4:1	5348	2/6.6	278.8	2.2	51	55	0.5			
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DIAMOND DRILL RECORD

Hole No. TX-115-73

`	DIAMOND DIMER INCOME								heet No.		***************************************	
Foot	age		Sample	1	·		Zn	Cu	Ag	Ni	Au	
From	To	DESCRIPTION	No.	From	То	Length	Day	ts pe	mil1		oz	İ
			 		 		Par	100 00	*****			Γ
29 3.3	352.0	AMPHIBOLE-GARNET-FELDSPAR GNEISS .	 	 	 		 	 				
	332.0	medium grained, dark grey, amphibole predominent	+		 	-		 				
		40 60% gamest 1/16" 10-20% folderer 25-45%		 			<u> </u>	 				
		40-60%; garnet 1/16" 10-20% feldspar 25-45% foliation varies from 10° to 30° to C.A.	┪	 				 				
		scattered diss. py-po 1-3%	 	 				 	1			
		local narrow sectionswith po as fine stringers up			 			 				
		10cal narrow sectionswith polas line stringers up			 			 				l
	 	to 20% by volume.	53/10	293.3	300 0	6.7	30	107	1.3	_	_	
		293.3 - 300.0 25% po 10% magnetite	5343	300.0	305.0	5.0	173	50	1.0			
		300.0 - 305.0 10% diss. po	<u> 5/UL</u>	300.0	303.0	3.0	1/3	1 30	1.0			<u> </u>
		329.0 - 330.2 syenite dike		 	ļ			ļ				
		332.5 - 335.7 syenite dike	 	 			ļ					
		343.0 - 330.0 abundant darnet as 1/0 -1/4 porphyrobiastic	 		<u> </u>	-		 			.——— 	
		whorls forming 25-30% of the rock.		ļ			 	 				
	250.0	FND OF HOLE		ļ	 			 				
	352.0	END OF HOLE.					ļ	<u> </u>	ļ <u>.</u>			<u> </u>
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AMAX POTASH LTD NOVA -1 Liar and Drill Hole Location NOVA - Townships

SCALE 1"= 400'

DIAMOND DRILL RECORD

Hole No. TX-115-73

Hole No. TX-115-73 Sheet 1 Property Nova-1 Township Nova Location Grid-2 Line 6+00S 00 Logged By S.N. Watowich Core Location Timmins Remarks	Length 352.0 Bearing 90° azimuth Dip 45° Objective test HEM anomaly	Completed June 28, 1973	Dip: Collar	45° Depth	Rdg.	True		North Claim No. 267231 Scale: 1" = 1000'
Footage To	DESCRIP	TION	Sample No.	From	To Leng	gth	Zn Cu Ag parts per mill	Ni Au I

age			Sample				7n	Cu	Aa	Ni	I Au I	
To		DESCRIPTION	No.	From	То	Length						; <i>I</i>
							- P -	0.5 , 5.		10	1	
10.0	OVERBURDEN	fine gravel and boulders										
51.3	GARNET GNEISS	coarse grain garnet amphibole feldspar gneiss,										
		foliation 30° to C.A. garnets 1/8" to 1/4"										
		porphyroblasts forming 10% to 30% of the rock							-			,
	-											,
110.0		f.g and massive po range from 5% to 50%										
	51.3 - 53.0	po 15-20% magnetite 10-15%	5339					33	1.7	152	nil	
·	53.0 - 57.7	diss po 15% as streaks in quartz amphibole-feldspar	5340	53.0	57.7	4.7	294	37	1.1	-	-	
		garnet gneiss										, ——— <u>,</u>
	57.7 - 59.0		5341	57.7	59.0	2.0	297	44	1.4	137	nil	,,
	59.0 - 95.0	diss. and streaky po along gneissosity of 30° to C.A.;	,									·
		10-20% po rare py cubes host rock feldspar-quartz-	5342	59.0	65.0	6.0	217	54	1.1	-	-	
		amphibole gneiss						·				,
		feldspar-quartz - 70-80% of rock.										1
		rare 1/4" carbonate veinlet with 1-3% diss.										i
		sphalerite formation highly folded as indicated by	5343	75.0	80.0	5.0	128	50	1.2	_	-	
		change in gneissosity from 15° to 20° between										
		70.0 - 95.0	5344	85.0	90.0	5.0	188	45	1.0	_	- 1	1
	95.0 - 110.0	similar to above gneissosity 30° to C.A.										
			5345	105.0	110.0	5.0	183	52	0.7	-	-	
		75-80% po 10-15%										i
												/
												1
												1
												1
					·							1
			1								1	
	10.0	10.0 OVERBURDEN 51.3 GARNET GNEISS 110.0 SULFIDE ZONE 51.3 - 53.0 53.0 - 57.7	To 10.0 OVERBURDEN fine gravel and boulders 51.3 GARNET GNEISS coarse grain garnet amphibole feldspar gneiss, foliation 30° to C.A. garnets 1/8" to 1/4" porphyroblasts forming 10% to 30% of the rock 110.0 SULFIDE ZONE f.q and massive po range from 5% to 50% 51.3 - 53.0 po 15-20% magnetite 10-15% 53.0 - 57.7 diss po 15% as streaks in quartz amphibole-feldspar garnet gneiss 57.7 - 59.0 massive f.q. po. 59.0 - 95.0 diss. and streaky po along gneissosity of 30° to C.A.; amphibole gneiss feldspar-quartz - 70-80% of rock. rare 1/4" carbonate veinlet with 1-3% diss. sphalerite formation highly folded as indicated by change in gneissosity from 15° to 20° between 70.0 - 95.0 95.0 - 110.0 similar to above gneissosity 30° to C.A.	To 10.0 OVERBURDEN fine gravel and boulders 51.3 GARNET GNEISS coarse grain garnet amphibole feldspar gneiss, foliation 30° to C.A. garnets 1/8" to 1/4" porphyroblasts forming 10% to 30% of the rock 110.0 SULFIDE ZONE f.g and massive po range from 5% to 50% 51.3 - 53.0 po 15-20% magnetite 10-15% 5339 53.0 - 57.7 diss po 15% as streaks in quartz amphibole-feldspar garnet gneiss 57.7 - 59.0 massive f.g. po. 57.7 - 59.0 diss. and streaky po along gneissosity of 30° to C.A.; 10-20% po rare py cubes host rock feldspar-quartz-amphibole gneiss feldspar-quartz - 70-80% of rock. rare 1/4" carbonate veinlet with 1-3% diss. sphalerite formation highly folded as indicated by 5343 change in gneissosity from 15° to 20° between 70.0 - 95.0 5344 95.0 - 110.0 similar to above gneissosity 30° to C.A. host rock fine grained siliceous feldspar-quartz	To DESCRIPTION No. Prom	To OVERBURDEN fine gravel and boulders Save part of the property of th	To DESCRIPTION No. From To Length	To OVERBURDEN fine gravel and boulders Dark From To Dength Park	To DESCRIPTION No. From To Length parts per	To No. From To Length parts per mill	To	To

DIAMOND DRILL RECORD

Hole No. TX-115-73

								8.	heet No			***************************************
Foots	ase		Sample				Zn	Cu	Ag	Ni	Au	
From	To	D E S C R I P T I O N	No.	From	То	Length	nas	ts pe	r mil	lion	OZ	
21011				l —			- pui	63 PC				
7700		FELDEDAD QUADTZ AMDUTDOLE CHETCE								ļ	 	
110.0	141.0											
		very fine grained, grey, strongly foliated at								!		
		30-40° to C.A. scattered whorls of garnet-erratic										
		streaks of po 5%.										
		116.0 - 119.0 medium leuco granodiorite contact parallel to					•			<u> </u>		
		foliation (sharp)	1									
		122.8 - 124.0 granodiorite as above.										
141.0	167.2	FELSIC GNEISS (META RHYOLITE)										
		very fine grained, siliceous, strongly foliated						l		[·		
		at 40° to C.A.								 		
		locally cherty.										
		iocarry chercy.						 				
167.2	177.8	SULPHIDE ZONE pyrrhotite diss. and massive from 15% to 50% in a								[]]		
10/.2	1//.0							ļ				
		fine grained felsic gneiss with scattered garnets								L!		
		167.1 - 170.0 20-25% po	5346	167.1	170.0	3.1	306	66	1.3			
		174.2 - 176.5 40% po	5347	174.2	176.5	2.3	328	144	2.1	319	nil	
										L/		
177.8	293.3							<u> </u>				
		fine grained, grey similar to 110.0 - 141.0 but				••]		
		garnets range from 5% to 25% and 1/16" to 1/4"										
		in size.										
		177.8 - 219.5 garnet zone terminated										
		219.5 - generally megascopic appearance compatible with a										
-		metadacite.						1				
		260.0 - 293.3 diss. po-py 1-3%; foliation 10° to C.A.		1								
		276.6 - 278.8 25% diss. po-py ratio 4:1	53/18	276.6	278.8	2.2	51	55	0.5		_	
		270.0 270.0 20% 4133. po py 140.0 1.1	3340	2,0.0	2,0.0		 	 	0.0	 		
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DIAMOND DRILL RECORD

Hole No. TX-115-73
Sheet No. 3

Foot	age		Sample No.	From	То	T	Zn	Cu	Ag	Ni	Au	
From	То	DESCRIPTION	No.	From	10	Length	nar	ts ne	<u>r mill</u>	ion	oz	
							· · · · · · · · · · · · · · · · · · ·	V.S		., ., .		
-000	752 0	AMDULDOLE CADNET EST DODAD OUTTOO		ļ			ļ					
293.3	352.0	AMPHIBOLE-GARNET-FELDSPAR GNEISS *		ļ								
		medium grained, dark grey, amphibole predominent		<u> </u>								
				<u> </u>								
		foliation varies from 10° to 30° to C.A.		İ								
		40-60%; garnet 1/16" 10-20% feldspar 25-45% foliation varies from 10° to 30° to C.A. scattered diss. py-po 1-3%		1								
		local narrow sectionswith po as fine stringers up										
		to 20% by volume.										
		293.3 - 300.0 25% po 10% magnetite	5349	293.3	300.0	6.7	30	107	1.3	-	-	
		300.0 - 305.0 10% diss. po	5701	300.0	305.0	5.0	I	50	1.0			
		329.0 - 330.2 syenite dike	137.01	1	00010		1/3		1.0			
		222 F = 225 7 cyonita dika		 		 	-					
		332.5 - 335.7 syenite dike		 			ļ					
		345.0 - 350.0 abundant garnet as 1/8"-1/4" porphyroblastic whorls forming 25-30% of the rock.	+	 	ļ		 					
		wnoris forming 25-30% of the rock.		 		 		ļ				
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	352.0	END OF HOLE.		<u> </u>								
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