

010

Diamond Drilling

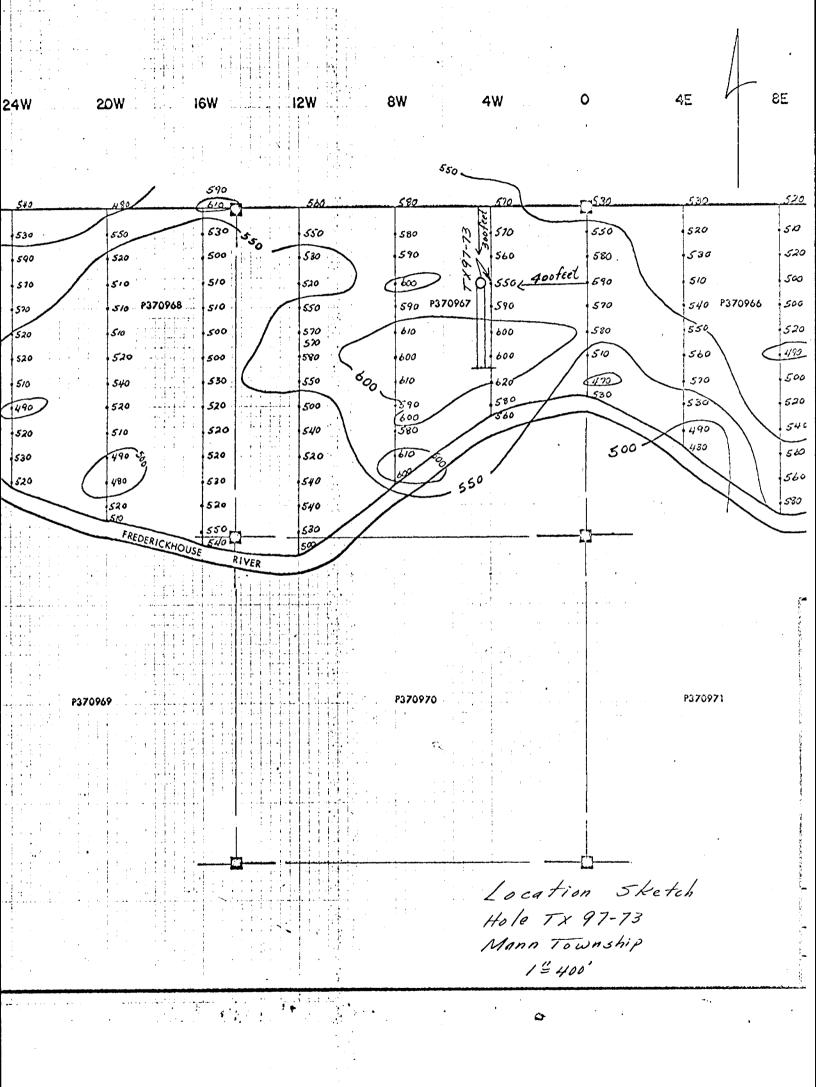
Township of Mann

Report Nº: 22

Work performed by: Amax Potash Limited

Claim Nº	Hole No	Footage	Date	Note
P.370967	TX-97-73	534 1	Apr/73	(1)

Notes: (...) date placed on file (1) (May 74) 21/74



AMAX POTASH LIMITED

DIAMOND DRILL RECORD

Hole No. TX-97-73

Property Township Location Logged By Core Location	Mann NŒ 1 L4+00W 3+00S S.N. Wato Timmins C	Bearing 180° Az. A S 1/2 Lot 9 Dip 50° CON	Core Size Casing Left in	Hole Removed except 88' AW, 56' NW	Dip: Collar .	50 Depth 534		Tru 46	. TT		LINE	Claim N	
Foots		7 D E	SCRIPTION			From	То	Length		Cu	1		
From	То				No.	 	<u> </u>		ppm	ppm	ppm :	ppm	
0.0	210.0	CLAV OVEDRIJDDEN				 							
0.0	210.0	CLAT OVERBORDEN				 	 						
210.0	238.0	GRAVEL AND SAND TILL											
			-										
238.0	270.0	FELSIC VOLCANIC BRECCIA Gener	ally yellowish cream to	nes due to local weak	5638	238.0	239.5	1.5	86	_28_	0.8		
		to moderately strong sericitization. A coarse mottled											
		<u>appea</u>	rance is due to dark ve	ery fine grained andesi	1110	-							
		fragm	ents which are subround	ments mange from 1/9"	70SE	240.0	252.5	A E	125	61	2 0		
		20% 0	t the rock. These Tray	ments range from 1/6		248.0	252.5	4.5	133	01	2.0		
		το 5	and average 1/2 in te	this 50% of the mock	·		-						
	1	are_t	he same size and consti	Lorientation of the		 	-						
		olona	A general forfaction and	20° to the CA (Core		-	-						
		Avie	Sericite cleavage nl	anes are about 60° to	C.A.		 	.					
		- MA 13 /	Coarse massive pyrite D	patches from 1/4" to 1/	72"		<u> </u>			Z,			
		occur	at a frequency of one	per foot. Pyrite is		i			2	1			
		35500	iated with the dacitic	matris. A massive						7			
		pyrit	e accumulation near the	zone of brecciation i	is			2					
		sugge	sted.					1 3	<u> </u>	$\perp \chi_{-}$			
						-	<u> </u>		,	<u></u>			
270.0	325.0	FELDSPAR PORPHYRY Light	grey fine grained dact	itic matrix with a coar	rse					~			
	!	porph	yritic texture due to t	from 2mm +0 6 mm	0		 			610			
		cryst	ais. The crystals range	nynita natches are ray	ro	!							:
	· - 	wnite	and Subhedral. Coarse	by the pateries are far	-	i	1			1 3			
	1	Completed Sum No. Natural Natural											

AMAX POTASH LIMITED

DIAMOND DRILL RECORD

Hole No. TX-97-73 Sheet No. 2

			1	1	7				Ι Δ-	1 A	1
	÷	DESCRIPTION	Sample	From	То	Length	, – ,			1	
10	200 0 230 5		1 10.	-	 		ppm	ppm	ppm	OZ.	
	302.0-313.0			ļ							-
					ļ						<u> </u>
					ļ	1					
		occur occassionally.		ļ	ļ	<u> </u>					
	211 0 212 0	V Ci		277 0	212 0	20	107	0.7	7 6	8127	-
	311.0-312.0	very fine grained, finely laminated ddcftfc tuff;	5638	311.0	313.0	2.0	107	21	1.6	INTI	-
					ļ	ļ					
	1	and 5% coarse massive patches.			 	ļ					-
	212 0 215 0	A fow fine application folicity fragments		<u> </u>							:
	313.0-313.0	A rew time apprint the reiste tragments.			 						-
3/12 0	DUVODACITIC THEE	Fine grained section with minute 1/8" to 1/2"		 	 						,
342.0	KITODACITIC TOTI										1
		apirmitic, striceous iragineries, weakly serietoizeu.						<u> </u>		· · ·	
389 0	DACITE ERAGMENTAL	Very fine grained to medium grained, grain size		-	 						
303.0	DITOTTE THATTETTAL			 		 					
					<u> </u>						
				 	 -	 			-		
		nature due to 20% reforce tragments.		 	†			-	-		
	at 352.0	Textural and compositional variations suggest							 		;
	00 002.0			 -	<u> </u>						
		bedaring at to to o.i.			<u> </u>					<u> </u>	•
	355.0-360.0	Pyrite 2-10% and average 5%, scattered irregularly									
		as massive patches composed of coarse pyrite				1					
											1
	360.0-372.0	Fine grained, massive, grey, uniform appearance.	5639	370.5	372.0	1.5	711	51	2.0	Nil	
		patch 1/2" in size.			1						
				ļ		1				ļ	
	376.0-380.0			<u> </u>						<u> </u>	
		compositional variation, 45° to C.A.									
	380.0-384.0										
		Pyrite content 5%.				-					
								1			
487.0	DACITE CRYSTAL TUFF	A uniform, medium grained, grey, massive rock with		1	1						·
		1 mm. to 2 mm. feldspar phenocrysts forming 50% of	ating 1 foot bands of feldspar porphyry and ine grained and laminated dacite-andesite uff. Patches of 1/4" to 1/2" pyrite masses occassionally. The grained, finely laminated dacitic tuff; is 5638 311.0 313.0 2.0 107 27 1.6 Nil leat 50° to 1 (A. Pyrite as 5% disseminated coarse massive patches. Fine abhinitic felsic fragments. Fine abhinitic felsic fragments. Fine apained to medium grained, grain size to 3 cm; crey colour. A mafic content varies 5% to 30%; foliation 45° to C.A. Fragmental due to 25% felsic fragments. Fall and compositional variations suggest at 40° to C.A. 12-10% and average 5%, scattered irregularly sive patches composed of coarse pyrite Fine disseminated 1-2%; rere massive pyrite Fine disseminated 1-2%; re								
		sulphide patches composed of 50% to 60% pyrite.									
!				1	1	1		1	1		
	342.0 389.0 487.0	302.0-313.0 311.0-312.0 313.0-315.0 342.0 RHYODACITIC TUFF 389.0 DACITE FRAGMENTAL at 352.0 355.0-360.0 360.0-372.0 376.0-380.0	302.0-313.0 alternating I foot bands of feldspar porphyry and very fine grained and laminated dacite-andesite like tuff. Patches of 1/4" to 1/2" pyrite masses occur occassionally. 311.0-312.0 Very fine grained, finely laminated dacitic tuff; laminae at 50° to 1 (A. Pyrite as 5% disseminated and 5% coarse massive patches. 313.0-315.0 A few fine aphinitic felsic fragments. 342.0 RHYODACITIC TUFF Fine grained section with minute 1/8" to 1/2" aphinitic, siliceous fragments; weakly sericitized. 389.0 DACITE FRAGMENTAL Very fine grained to medium grained, grain size I mm. to 3 mm.; grey colour. A mafic content varies from 15% to 30%; foliation 45° to C.A. Fragmental nature due to 25% felsic fracments. at 352.0 Textural and compositional variations suggest bedding at 40° to C.A. 355.0-360.0 Pyrite 2-10% and average 5%, scattered irregularly as massive patches composed of coarse pyrite grains. 360.0-372.0 Fine grained, massive, grey, uniform appearance. Pyrite disseminated 1-2%; rare massive pyrite patch 1/2" in size. 376.0-380.0 Fine beds (1/2" to 1") based on textural and compositional variation, 45° to C.A. 380.0-384.0 Pyrite persistent as 1/2" to 1" massive patches. Pyrite content 5%.	To 302.0-313.0 alternating frost bands of feldspar porphyry and very fine grained and laminated dacite-andesite like tuff. Patches of 1/4" to 1/2" pyrite masses occur occassionally. 311.0-312.0 Very fine grained, finely laminated dacitic tuff; 5638 laminae at 50° to 10° (A. 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Pyrite content 5%. 487.0 DACITE CRYSTAL TUFF A uniform, medium grained, crey, massive rock with 1 mm. to 2 mm. feldspar phenocrysts forming 50% of the rock. Moderate sericitization for the rock Moderate sericitization for the rock. Moderate sericitization for the rock moderate sericitization for the rock moderate sericitization for the rock.	302.0-313.0 alternating 1 foot bands of feldspar porphyry and very fine grained and laminated dacite-andesite like tuff. Patches of 1/4" to 1/2" pyrite masses occur occassionally. 311.0-312.0 Very fine grained, finely laminated dacitic tuff; laminae at 50° to 1 (A. Pyrite as 5% disseminated and 5% coarse massive patches. 313.0-315.0 A few fine aphinitic felsic fragments. 342.0 RHYODACITIC TUFF Fine grained section with minute 1/8" to 1/2" aphinitic, siliceous fragments; weakly sericitized. 389.0 DACITE FRAGMENTAL Very fine grained to medium grained, grain size 1.mm. to 3 mm.; grey colour. 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To Be S CR IP TI OF No. No. Prom To Length ppm 302.0-313.0 alternating I foot bands of feldspar porphyry and very fine grained and laminated dacite-andesite like tuff. Patches of 1/4" to 1/2" pyrite masses occur occassionally. 311.0-312.0 Very fine grained, finely laminated dacitic tuff; 5638 311.0 313.0 2.0 107 27 laminae at 50° to 1 CA. Pyrite as 5% disseminated and 5% coarse massive patches. 313.0-315.0 A few fine aphinitic felsic fragments. 342.0 RHYODACITIC TUFF Fine grained section with minute 1/8" to 1/2" aphinitic, siliceous fragments, weakly sericitized. 389.0 DACITE FRAGMENTAL Very fine grained to medium grained, grain size from 15% to 30%; foliation 45° to C.A. Fragmental nature due to 25% felsic fragments. 355.0 Textural and compositional veriations suggest bedding at 40° to C.A. 355.0-360.0 Pyrite 2-10% and average 5%, scattered irregularly as massive patches composed of coarse pyrite grains. 360.0-372.0 Fine grained, massive, grey, uniform appearance. Figure at 1/2" in size. 376.0-380.0 Fine beds (1/2" to 1") based on textural and compositional veriations veriations suggest by patch 1/2" in size. 380.0-380.0 Fine beds (1/2" to 1") based on textural and compositional veriation; 45° to C.A. 380.0-380.0 Fine beds (1/2" to 1") based on textural and compositional veriation; 45° to C.A. 380.0-380.0 Pyrite persistent as 1/2" to 1" massive patches. Pyrite content 5%.	To 302.0-313.0 alternating I foot bands of feldsper porphyry and very fine grained and laminated dacite-andesite like tuff. 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AMAX POTASH LIMITED

DIAMOND DRILL RECORD

Hole No. TX-97-73 Sheet No. 3

Foota				1		1	1			1 .	1 .	1 1
From	To		D E S C R I P T I O N	Sample No.	From	To	Length	Zn	Cu	Ag	Au	
FIGH	10	413.0-415.5	folderen nembung gentagt at AEO to CA		 			ppm_	ppm	ppm	OZ.	
		413.0-415.5	feldspar porphyry - contact at 45° to C.A.	 		120	<u> </u>	705		1	N27	
		421.0-422.0	feldspar porphyry; coarse phenocrysts; contact sharp	5640	416.5	418.2	1.7	106	55	1.9	Nil	
		421.0-422.0			ļ	 	 			ļ		
			at 45° to C.A. A 1/8" laminae of fine grained		<u> </u>	ļ	 			ļ		ļ
			pyrite along the upper and lower contact.	 	ļ	 						
		-+ 420 0	A		-	ļ	 			-		-
		at 432.0	4 inch bed of finely laminated and variegated tuff				 		· · · · · · · · · · · · · · · · · · ·	ļ		
			at 45° to C.A.; 2-4% finely disseminated pyrite.	 	 		ļ					
		422 0 455 0	1 000	5641	445.0	116	1.8	87	43	2.1	Nil	
		433.0-455.0	1-2% pyrite with one foot sections of 3-5% pyrite;	1 2041	445.0	440.0	1.8	8/	43	2.1	INII	-
			rare scattered 1/2 inch patches of pyrite.		<u> </u>		 	ļ				
		AFF 0 47C 0	17	 	 `	<u> </u>	ļ			1	·	
		455.0-476.0	rock generally massive with occassional 6 inch				·	<u> </u>				
			to 1 foot sections of finely bedded tuff at 45°		 		<u> </u>					
			to C.A.		ļ					<u> </u>		1
		476 0 407 2	C	 		ļ				ļ		
		476.0-487.3	coarse fragments of feldspar porphyry range in			ļ	ļ			<u> </u>	.	
			size from 1/4" to 4".		ļ		<u> </u>			ļ		
487.3	534.0	ANDESITE TUFF		-	ļ	ļ						
407.3	534.0		doubt many due to FOOV fine foldered lather (3 mm 2 mm)		ļ					1	ļ	-
		487.3-490.0	dark grey due to 50% fine feldspar lathes (1 mm-2 mm)		 		 			 	1	-
			and 25% fine mafic grains less than 1 mm. The	_	-					 		
			matrix is very fine grained. 2-6% pyrite with	+	<u> </u>	ļ	 					
			local sections up to 15% pyrite due to 1/4 inch		 	 	 	 				
			lenses of pyrite concentration.	-		ļ <u>-</u> -	 	<u> </u>				
		490.0-498.0	similar to above but lacks pyrite.	+	 		 					
		490.0-490.0	Similar to above but lacks pyrite.	+	 		 				 	
		at 498.0	6" band of finely laminated tuff which contains		-		 	<u> </u>		1	-	
		at 430.0	5-10% pyrite as patches and lenses.	- 	 						 	
			5-10% pyrice as patches and renses.	 -	 	-	 -	<u> </u>		 	 	
		498.0-507.0	slight grain size variations suggest bedding,	5642	516.0	510 0	2 0	57	63	0.9	Nil	
- 		490.0-307.0	some 'beds' contain 30-40% feldspar laths over	3042	310.0	1310.0	2.0	37	- 03	1 -0.5	1	
			3 mm to give a porphyrytic texture.		+	 	 				 	
			bedding at 45° to C.A.		 	 	 				<u> </u>	
			beauting at 45 to 6.A.		-	-				<u> </u>	 	
<u>1</u> _	534.0	END OF HOLE.			 	1	 	-			 	+
	337.0	LITO OF HOLL.		+	-	1				+		
			Mild tweet		 		+		•		 	
			1 it the second	+	1	 	1			-		
:					1		1-		 		 	