010

Diamond Drilling

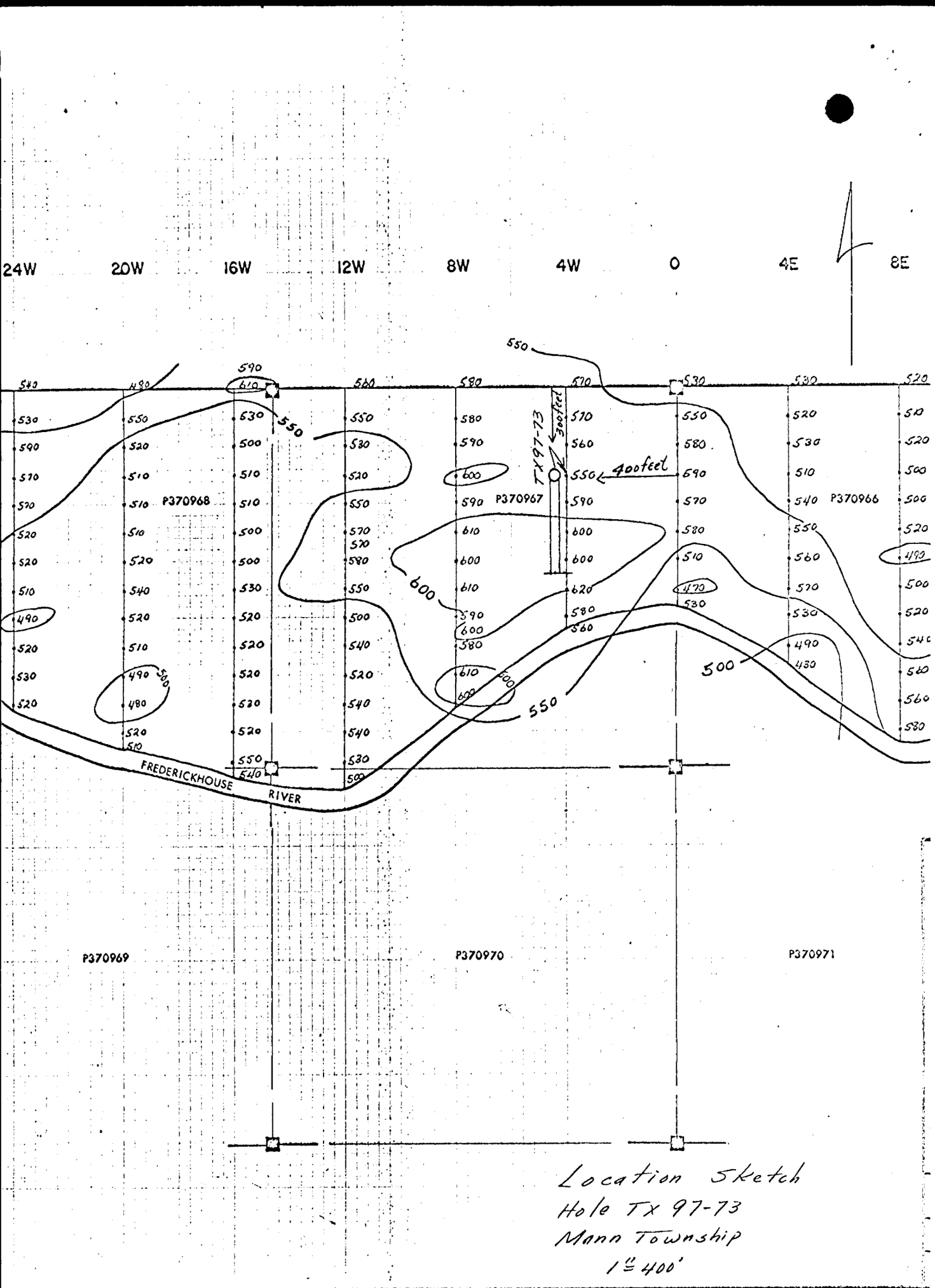
Township of Mann

Report Nº: 22

Work performed by: Amax Potash Limited

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

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



Location Sketch
Hole TX 97-73
Mann Township
1" = 400'

AMAX POTASH LIMITED

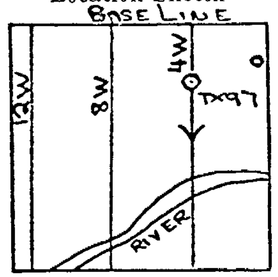
DIAMOND DRILL RECORD

Hole No. TX-97-73

Hole No. TX-97-73 Sheet 1	Length	534.0	Commenced	April 16, 1973	Dip: Collar 50°
Property	Mann-5	Bearing	180° Az.	Completed	April 29, 1973
Township	Mann NE 1/4 S 1/2 Lot 9	Dip	50°	Drilling Co.	Bradley Bros. Ltd.
Location	L4+00W CON I 3+00S	Objective	Test H.E.M. conductor	Core Size	AXQ
Logged By	S.N. Watowich			Casing Left in Hole	Removed except 88' AW, 56' NW 106' BW
Core Location	Timmins Office				

Etch Test	Depth	Rdg.	True
	534	54	46

Location Sketch



North ↑

Claim No. P370967

Scale: 1" = 1000'

Remarks Water 550 feet south to the Frederickhouse River.

Footage From	Footage To	DESCRIPTION		Sample No.	From	To	Length	Zn ppm	Cu ppm	Ag ppm	Au ppm
0.0	210.0	CLAY OVERBURDEN									
210.0	238.0	GRAVEL AND SAND TILL									
238.0	270.0	FELSIC VOLCANIC BRECCIA	Generally yellowish cream tones due to local weak to moderately strong sericitization. A coarse mottled appearance is due to dark very fine grained andesitic fragments which are subrounded to angular and compose 20% of the rock. These fragments range from 1/8" to 5" and average 1/2" in length. Felsic fragments are the same size and constitute 50% of the rock. A general foliation and orientation of the elongate fragments is 50° to 80° to the C.A.(Core Axis). Sericite cleavage planes are about 60° to C.A. Coarse massive pyrite patches from 1/4" to 1/2" occur at a frequency of one per foot. Pyrite is associated with the dacitic matris. A massive pyrite accumulation near the zone of brecciation is suggested.	5638 5637	238.0 248.0	239.5 252.5	1.5 4.5	86 135	28 61	0.8 2.0	--- ---
270.0	325.0	FELDSPAR PORPHYRY	Light grey fine grained dacitic matrix with a coarse porphyritic texture due to 50% content of feldspar crystals. The crystals range from 3mm. to 6 mm. are white and subhedral. Coarse pyrite patches are rare.								

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DIAMOND DRILL RECORD

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

Footage From	Footage To	DESCRIPTION		Sample No.	From	To	Length	Zn ppm	Cu ppm	Ag ppm	Au oz.
		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 C.A. Pyrite as 5% disseminated and 5% coarse massive patches.	5638	311.0	313.0	2.0	107	27	1.6	Nil
		313.0-315.0	A few fine aphinitic felsic fragments.								
325.0	342.0	RHYODACITIC TUFF	Fine grained section with minute 1/8" to 1/2" aphinitic, siliceous fragments; weakly sericitized.								
342.0	389.0	DACITE FRAGMENTAL	Very fine grained to medium grained, grain size 1 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 fragments.								
		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.	5639	370.5	372.0	1.5	111	51	2.0	Nil
		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%.								
389.0	487.0	DACITE CRYSTAL TUFF	A uniform, medium grained, grey, massive rock with 1 mm. to 2 mm. feldspar phenocrysts forming 50% of the rock. Moderate sericitization. Rare 1/2" to 1" sulphide patches composed of 50% to 60% pyrite.								

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DIAMOND DRILL RECORD

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

Footage From	Footage To	DESCRIPTION	Sample No.	From	To	Length	Zn ppm	Cu ppm	Ag ppm	Au oz.
		413.0-415.5 feldspar porphyry - contact at 45° to C.A.								
			5640	416.5	418.2	1.7	106	55	1.9	Nil
		421.0-422.0 feldspar porphyry; coarse phenocrysts; contact sharp at 45° to C.A. A 1/8" laminae of fine grained pyrite along the upper and lower contact.								
		at 432.0 4 inch bed of finely laminated and variegated tuff at 45° to C.A.; 2-4% finely disseminated pyrite.								
		433.0-455.0 1-2% pyrite with one foot sections of 3-5% pyrite; rare scattered 1/2 inch patches of pyrite.	5641	445.0	446.8	1.8	87	43	2.1	Nil
		455.0-476.0 rock generally massive with occassional 6 inch to 1 foot sections of finely bedded tuff at 45° to C.A.								
		476.0-487.3 coarse fragments of feldspar porphyry range in size from 1/4" to 4".								
487.3	534.0	ANDESITE TUFF								
		487.3-490.0 dark grey due to 50% fine feldspar lathes (1 mm-2 mm) and 25% fine mafic grains less than 1 mm. The matrix is very fine grained. 2-6% pyrite with local sections up to 15% pyrite due to 1/4 inch lenses of pyrite concentration.								
		490.0-498.0 similar to above but lacks pyrite.								
		at 498.0 6" band of finely laminated tuff which contains 5-10% pyrite as patches and lenses.								
		498.0-507.0 slight grain size variations suggest bedding, some 'beds' contain 30-40% feldspar laths over 3 mm to give a porphyrytic texture. bedding at 45° to C.A.	5642	516.0	518.0	2.0	57	63	0.9	Nil
	534.0	END OF HOLE.								

Scott Stewart