



32D05SE0073 12 BEN NEVIS

010

Diamond Drilling

Township OF BEN NEVIS

Report No: 12

Work performed by: AMAX EXPLORATION INC.

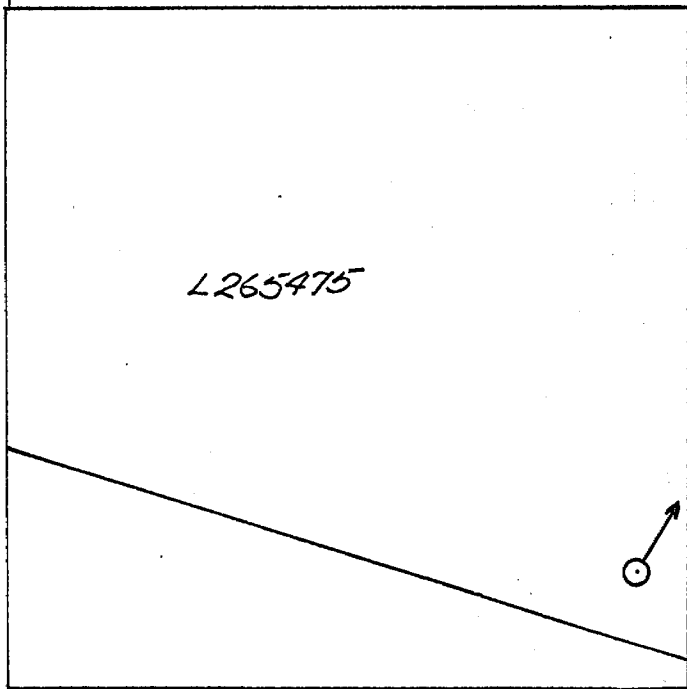
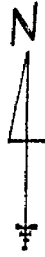
Claim No	Hole No	Footage	Date	Note
L 265475	TX-71-71	300'	Oct/71	(1) —
L 265470	TX-72-71	301'	Oct/71	(1) ✓
L 280646	TX-73-71	451'	Sept/71	(1) —
L 280649	TX-99-73	408'	Apr/73	(2) —
	TX-100-73	400'	Apr/73	(3)
L 280648	TX-105-73	300'	May/73	(2)
		<u>2160</u>		

Notes:

(1) 211/72

(2) 117/73

(3) 119/73 (and 147/74 See report 14)



L. 265475

DDH 71

L. 265470

LOCATION OF DDH 71

BEN NEVIS TOWNSHIP

AMAX EXPLORATION INC

SCALE: 1 inch = 400 feet

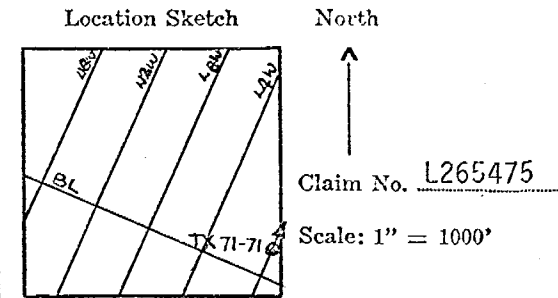
wkhyall

211/72

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-71-71

Hole No. TX-71-71 Sheet 1	Length 300'	Commenced Oct. 11, 1971	Dip: Collar 45°
Property Ben Nevis	Bearing 015°	Completed Oct. 12, 1971	Etch Test Depth Rdg. True
Township Claim L265475	Dip 45°	Drilling Co. Continental D.D.	200' 30°
Location Line 0 T+95N	Objective To test northern flank of IP anomaly.	Core Size AQ	300' 34°
Logged by: W.R. Ryatt		Casing Left in Hole 12 ft.	



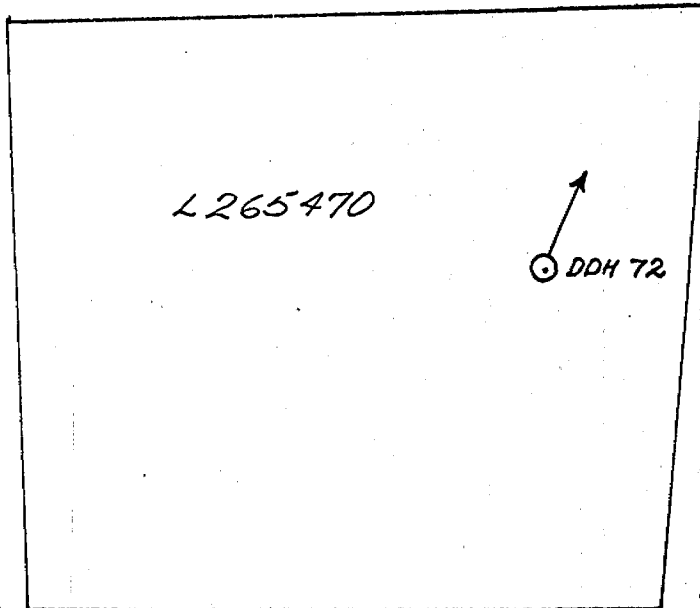
Remarks Water Source: Beaver pond line 16W 8N

Footage		DESCRIPTION
From	To	
0	12	OVERBURDEN Boulders, clay & gravel
12		RHYOLITE BRECCIA Dark grey, generally hard, weakly foliated in part, weakly sheared. Over almost the entire length of the section the rock is brecciated with individual angular fragments ranging from 1 in to 3 in in longest dimension. The rock is silicified with many sections showing heavy sericitization and rarer epidotization. Chlorite and carbonate are prevelant as fracture fillings. Py is present from 2-5% distributed fairly evenly through the section, but locally it is present to 15% over short sections. The highest concentrations occur between fragments principally in association with dark chlorite.
	20.5-22.0 ft	Heavy interstial py to 50% associated with increased quantity of chlorite veinlets.
	39.5-41.0 ft	Core badly broken with poor recovery. Sugary texture in part with heavy limonitic staining.
	47.5-48.0 ft	Heavy py to 65%.
	49.5-50.5 ft	Broken core, poor recovery, limonitic.
	55.0-55.5 ft	Broken core, poor recovery, limonitic.
	58.5-61.5 ft	10% py in fragmented rock.

W.R. Ryatt



L. 265475



LOCATION OF DDH 72, BEN NEVIS TWP

AMAX EXPLORATION INC.

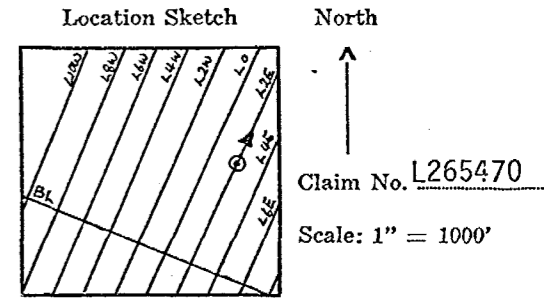
SCALE 1 inch = 400 feet

wkhyall

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-72-71

Hole No. TX-72-71	Sheet 1	Length 301	Commenced Oct. 7, 1971	Dip: Collar 45°
Property	Ben Nevis	Bearing 015°	Completed Oct. 9, 1971	Etch Test
Township	Claim L265470	Dip 45°	Drilling Co. Continental D.D.	Depth 200'
Location	Line 2E, 9+50S	Objective To test IP anomaly.	Core Size AQ	Rdg. 40°
Logged by W.R. Ryall			Casing Left in Hole 7 ft.	300'
				True 36°



Remarks Water Source: Beaver pond line 16W, 8N

Footage		DESCRIPTION	
From	To		
0	7	OVERBURDEN	Clay and gravel.
7	301	RHYOLITE	Buff - light grey coloured, soft in lighter coloured sections indicating heavy sericitization. Sheared throughout length. Generally massive, only weak foliation developed. The entire section is transected by numerous chlorite - rich veinlets that generally carry abundant disseminated py. - Rarely cpy and gal are associated with the py.
	7-32 ft		Cream-coloured massive, silicified in part but also heavily sericitized. Weak foliation developed (angle: CA ranges from ~45° near bottom). The entire section is sheared and is cut by numerous fine (~0.05 in) dark coloured veinlets composed essentially of chlorite and very fine grained py which occurs as aggregates of striated cubes. Core fragmented from 9-10 ft with poor recovery.
	32-47 ft.		Lighter coloured than last section, heavier sericitization, softer massive unfoliated except near 43 ft where a very weak foliation is developed and this is paralleled by an increased number of dark grey chlorite-pyrite veinlets ranging in size from 0.01 - 0.1 in across. Veins mostly parallel foliation (angle: CA ~45°). From 38.5 to 39.5 ft core is badly fractured.

W.R. Ryall

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

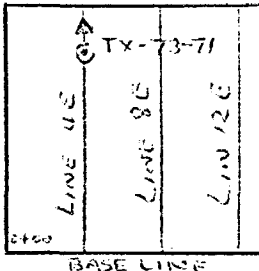
Hole No. TX-72-71
Sheet No. 2

Footage		DESCRIPTION
From	To	
	63-81 ft	Lighter coloured than above section, heavier sericitization. Heavier shearing and fracturing accompanied by increased number of chlorite -py veins. Veining is particularly heavy in the interval 74-76 ft. Core is badly fractured from 70-71 ft.
	81-115.5 ft	Darker coloured than previous section, fragmented and fractures with fractures healed by chlorite veinlets containing disseminated py. Well foliated in part with most veins being aligned subparallel to foliation (angle: CA ~37°). Heavy veins near 99 ft with unfractured portions of rock having a rosy hue.
	115.5-139.5 ft	Dark grey, generally hard, sheared with numerous unsheared, angular fragments up to 3 in across. Numerous chlorite vein systems about half of which carry disseminated to massive py. Often mottled with patches of sericite - kaolinite up to 0.75 in across. Minor carbonate in groundmass.
	139.5-152.5 ft	Lighter coloured than above.
	152.5-154 ft	Darker section. Fragmental with 4 in fragments enclosed by sericite-chlorite envelopes. Py accompanies chlorite. 5% py.
	154-198.5 ft	Lighter coloured with fewer chloritic veins.
	198.5-213 ft	Darker section, heavier chlorite. Fragmental especially in section 201-209 ft.
	213-265 ft	Lighter coloured, massive less chloritized than above section. Weak disseminated py throughout section but up to 10% in 6 in interval at 254 ft. Coarse fragments up to 3 in near 249 ft.
	284-301 ft.	Light coloured, massive, few chlorite veins.
	301 ft	End of hole.

W. H. Hall

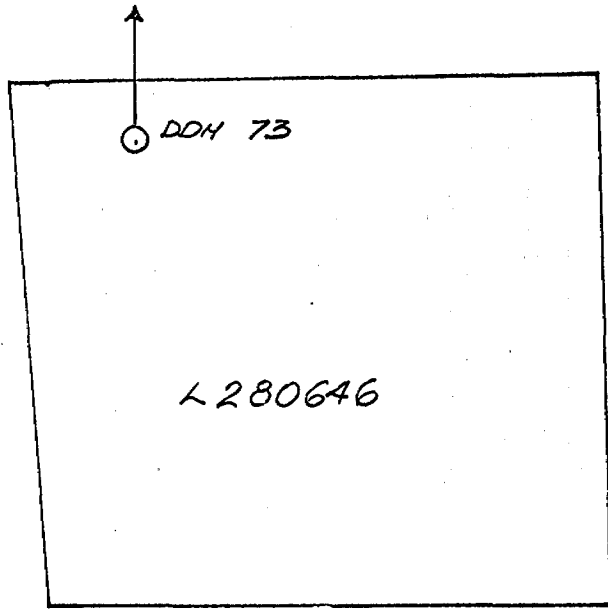
AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-73-71

Hole No. TX-73-71	Sheet 1	Length 451	Commenced Sept. 24, 1971	Dip: Collar 50°	Location Sketch 
Property	Ben Nevis	Bearing 0°	Completed Sept. 27, 1971	Etch Test	
Township	Claim L 280646	Dip 45°	Drilling Co. Continental D.D.	Depth 200'	
Location	Line 4E 10+75N	Objective	Core Size AQ	Rdg. True 49°	
Logged by W.R. Ryall			Casing Left in Hole 95 ft. A	300' 45°	
				445' 39°	
Remarks Water source: Line 4W near 11+00N on drill road.					Claim No. L280646
					Scale: 1" = 1000'

Footage		DESCRIPTION	
From	To		
0	78	OVERBURDEN	Clay, sand, gravel, boulders. Boulders up to 3 ft predominately dacite and andesite. Some contain up to 5% sulphide with minor cpy.
78	88	DACITE	Dark grey, fine grained, mostly massive. Finely fragmental in part, fragment size generally less than .2 inches.
88	95.5	DACITE	Light grey, vesicular, massive to 93 ft. when foliation becomes obvious. Angle foliation: CA ~ 45°. Assayed section is rusty and contains finely disseminated py up to 5%. Only 70% core recovery.
95.5	132.6	DACITE	Light grey, soft, vesicular over most of length porphyritic in part. Heavily altered with abundant kaolinization of feldspar phenocrysts and ground mass. Latter hosts up to 10% carbonate. Generally well foliated with foliation being defined by stretched vesicles and chloritic seams. The section contains an average of 5% py generally in aggregates & vesicle fillings up to 0.75 in across but sections up to 5 ft contain to 10% py. Weak disseminated cpy is associated with py.
132.6	144.0	DACITE	Dark grey, porphyritic, massive, soft indicating heavy alteration. Chloritization evident. Contains only weak sulphides - less 1%. Two 6 in sections near 141 ft contain isolated py aggregates.

W.R. Ryall



LOCATION OF DDH 73
BEN NEVIS TOWNSHIP

AMAX EXPLORATION INC
SCALE: 1 inch = 400 feet

W. J. Hall

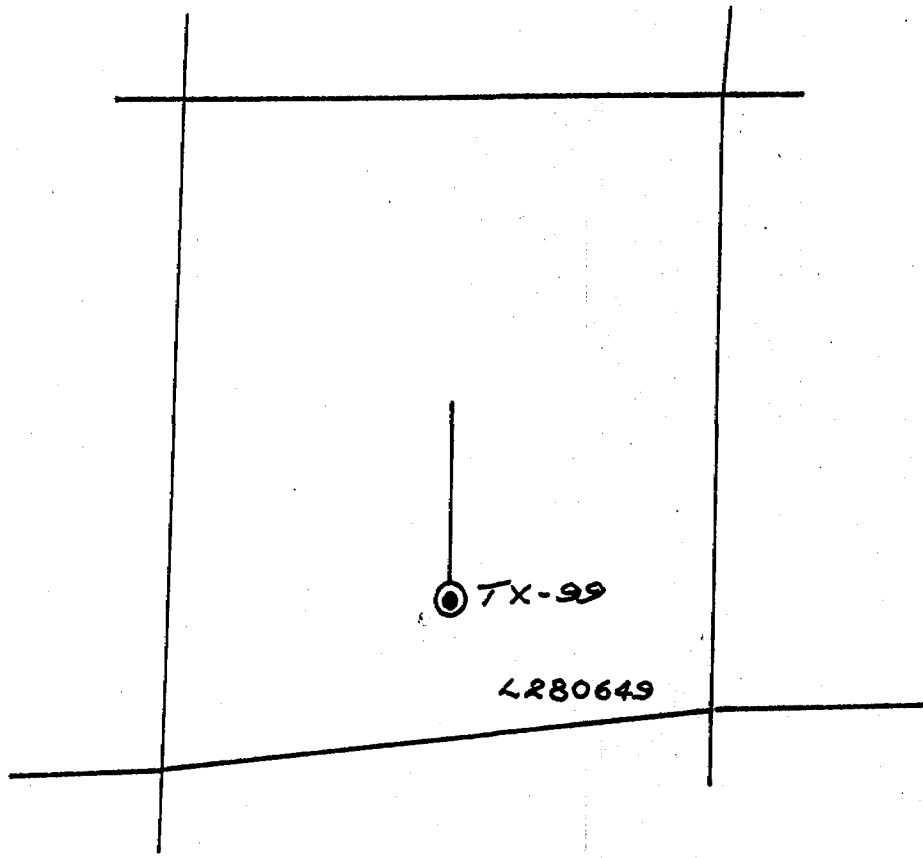
211 / 72 Amax
Ben Nevis Twp.

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-73-71
Sheet No. 2

Footage		DESCRIPTION
From	To	
144.0	260.0	<p>DACITE</p> <p>Light grey, mottled, well foliated (foliation: CA ~ 60°). Soft heavily altered with abundant chlorite, sericite, carbonate in evidence. Vesicular in part with sericite-kaolinite-carbonate-sulphide in fillings. Py generally makes up 5% but often is up to 10% as aggregates up to 0.75 in across. Aggregates of 0.5 in diameter are more common. Weak Cpy accompanies py over entire section but is more evident in chlorite-rich areas. Cpy never exceeds 10% of sulphides. Few 0.5 in milky quartz veins parallel foliation. The rock is frequently fractured and near 247 ft fine fractures are healed with chlorite and py containing minor cpy. The mineralized section ends near 265 ft in a gradational manner. Core recovery 214-226 ft 60%.</p>
260.0	451.0	<p>ANDESITE</p> <p>Dark grey, fine grained, generally massive soft chloritized often mottled. Possible chlorite-rich pillow selvages observed near 326 & 346 ft. Fine py distributed over entire length but this generally is < 10%. In the interval 277 - 287 ft several 6 in sections containing 10% py are developed. Near 300 ft the andesite is finely fractured and infilled with py to 5%. 321 - 350 ft. dark grey mottled. 399 - 408 ft. light grey, bleached, fractured. 427 - 451 ft. finely fragmental.</p>

W. H. Hall



*Ben Nevis Twp
Report # 117-73
Amax Expl. Inc.*

Amax Exploration Inc
Timmins, Ontario

LOCATION OF DDH Tx-99
Ben Nevis Township.

Scale: 1 inch = 400ft

W. Hyatt

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-99-73

Hole No.	TX-99-73	Sheet	1	Length	408 ft.	Commenced	2 April 1973	Dip: Collar	-45°
Property	Ben Nevis	Bearing	0°	Completed	5 April 1973	Drilling Co.	Continental D.D.	Etch Test	Depth Rdg. True
Township	Ben Nevis	Dip	-45°	Core Size	BQ	Casing Left in Hole			
Location	Grid 3 Line 6E, 10+00E	Objective							
Logged By	W.R. Ryall								
Core Location	Timmins								

Location Sketch

North

↑

Claim No. L280649

Scale: 1" = 1000'

Remarks _____

Footage		DESCRIPTION	Sample No.	From	To	Length								
From	To													
0.0	10.0	OVERBURDEN												
10.0	31.0	DACITE FRAGMENTAL												
		Light grey, massive, composed of numerous angular fragments up to 6 in. across, but av 0.5-1 in., set in a chloritized, sericitized groundmass. Fragments are unsorted and show heavy alteration. Very common irregularly shaped carbonate veins and patches. Py disseminated throughout section av 1-2%.												
31.0	227.0	DACITE												
		Grey, massive, medium grained, moderately soft due to chlorite-sericite alteration. Carbonate veinlets and patches very common many of which may be amygdules. 147-160 ft. mottled - heavy carbonate.												
227.0	255.5	DACITE FRAGMENTAL												
		Grey, fairly massive contains plentiful angular fragments to 5 in. diam., but av 0.5 - 1 in. Groundmass very fine grained chloritized & sericitized. Irregular carbonate veinlets and splashes. Py disseminated throughout av 2%.												
255.5	305.0	DACITE												
		Dark grey, massive, extensive chlorite-sericite alteration. Numerous irregular patches of white carbonate. Py common weakly disseminated throughout but heavy in patches - 280 ft. 10% py, 290-299 ft. 15%.												
305.0	309.0	DACITE FRAGMENTAL												
		As for section from 10-31 ft.												

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-99-73
 Sheet No. 2

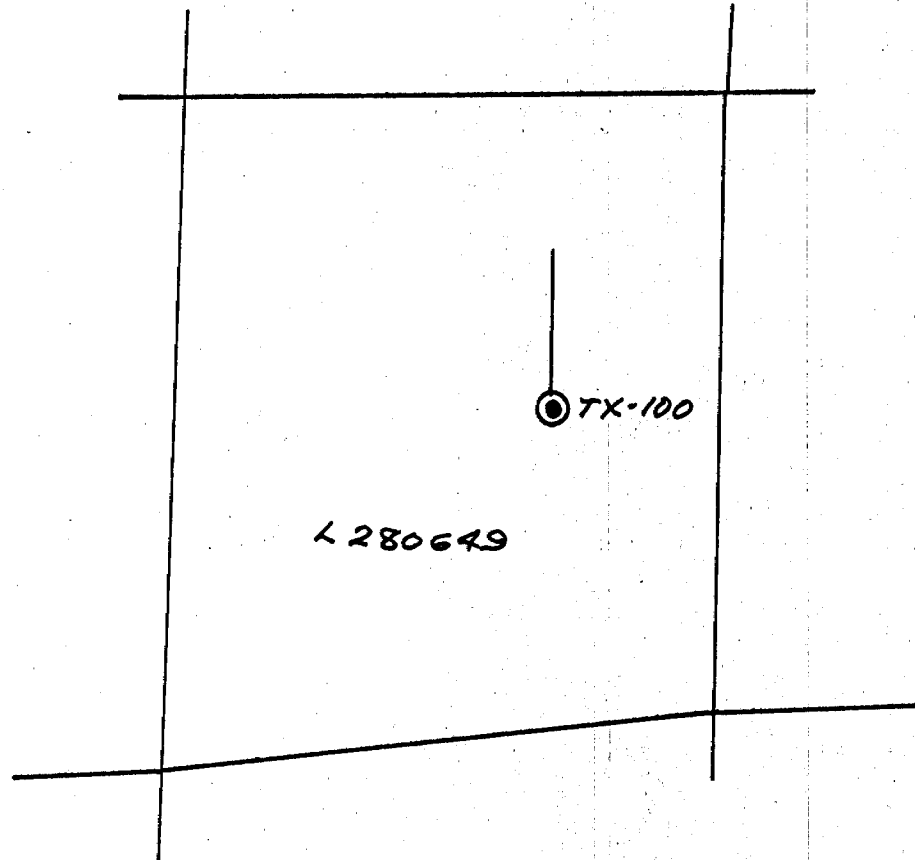
Footage		DESCRIPTION	Sample No.	From	To	Length													
From	To																		
309.0	325.0	DACITE																	
325.0	329.0	DACITE FRAGMENTAL																	
329.0	382.0	DACITE																	
		As for section from 31-227 ft. except 2 ft. section at 366 ft. DACITE FRAGMENTAL with 15% py.																	
382.0	385.0	DACITE FRAGMENTAL																	
385.0	408.0	DACITE																	

W.R. Ryall

 W.R. Ryall

W.R. Ryall

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AMAX EXPLORATION, INC.
Timmins, Ontario

LOCATION OF DDH TX-100
Ben Nevis Township

Scale: 1 inch = 400 ft

*Ben Nevis Trp.
Report # 119-73
Amax Expl. Inc.*

w. dyall

AMAX EXPLORATION, INC.
DIAMOND DRILL RECORD

Hole No. TX-100-73

Hole No. <u>TX-100-73</u>	Sheet <u>1</u>	Length <u>400</u>	Commenced <u>7 April 1973</u>	Dip: Collar <u>45°</u>
Property <u>Ben Nevis 2</u>		Bearing <u>0°</u>	Completed <u>9 April 1973</u>	Etch Test Depth Rdg. True
Township <u>Ben Nevis</u>		Dip <u>-45°</u>	Drilling Co. <u>Continental D.D.</u>	
Location <u>Grid 3</u>		Objective _____	Core Size <u>BQ</u>	
Logged By <u>W.R. Ryall</u>			Casing Left in Hole <u>nil</u>	
Core Location <u>Timmins</u>				

Location Sketch

North

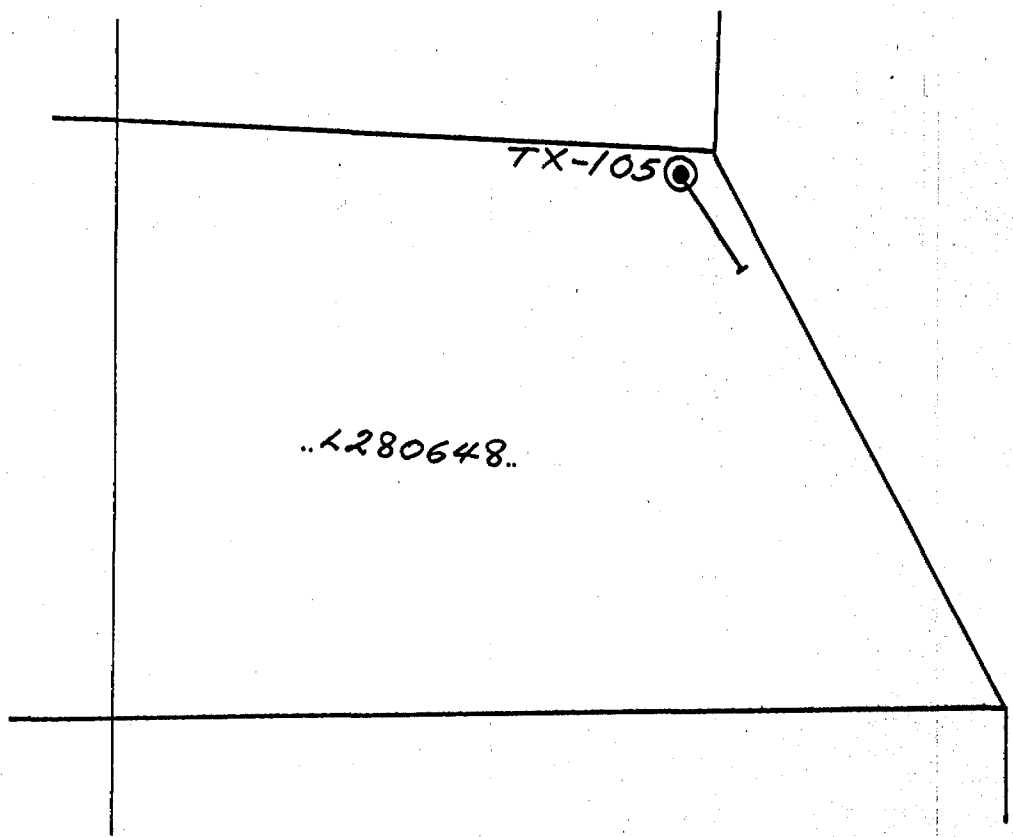
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Claim No. L280649

Scale: 1" = 1000'

Remarks _____

Footage		DESCRIPTION
From	To	
0.0	16.0	OVERBURDEN
16.0	400.0	DACITE Grey to dark grey, generally medium grained massive, some sections heavily sheared others brecciated. The unit shows variable alteration with carbonate, sericite and chlorite being developed throughout resulting in rock being moderately soft.
	16-22 ft.	Broken core, rusty. Fragmental with frags to 1 inch across, poorly defined foliation (angle to CA approx. 60-70°). Abundant carbonate and up to 5% py.
	22-50 ft.	Fragmental, poorly sorted with abundant angular frags up to 1.5 in set in a fine grained groundmass. Py disseminated through section - aggregates reach 10% over 6 in.
	50-55 ft.	Massive.
	55-62 ft.	Fragmental section with heavy carbonate at top. Dissiminated py to 15% but av 5%.
	62-134 ft.	Less fragmental section, showing crude foliation (angle to CA 40-60°). Py to 15% but averages 5%.



AMAX EXPLORATION, INC
Timmins, Ontario

LOCATION OF DDH TX-105
Ben Nevis Township

Scale: 1 inch = 400ft

W. H. G. A. E.

