



42A12SW0206 14 COTE

Diamond Drilling

010

Township of COTE

Report NO 14

Work performed by: Mattagami Lake Mines

Claim NO	Hole NO	Footage	Date	Note
P 443403	CA77-1	806.0'	Mar/77	(1)
P 443402	CA77-2	807.0'	Mar/77	(1)

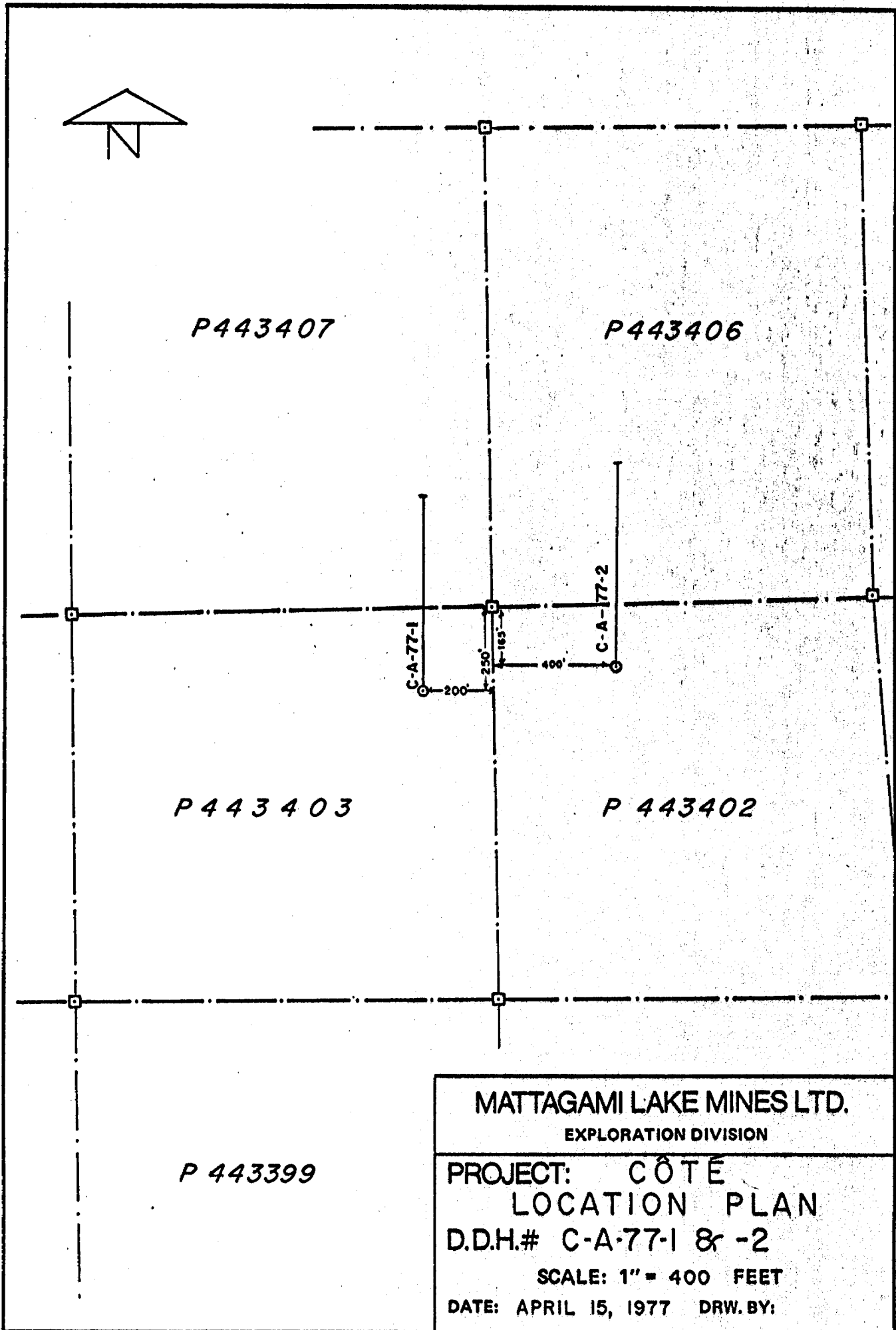
1613'

Notes:

(1) #113-77

COTE TWP.

#113-77



MATTAGAMI LAKE MINES LTD.
EXPLORATION DIVISION

PROJECT: CÔTÉ
LOCATION PLAN
D.D.H.# C-A-77-1 & -2
SCALE: 1" = 400 FEET
DATE: APRIL 15, 1977 DRW. BY:

NORTH →

C-A-77-1

Casing

Glacial Till

Andesite Metatuff

P 443403

400'

Argillite
Metadiorite Intrusive
Rhyolite Metatuff
Rhyolite Metatuff

P 443407

Argillite

Andesite Metatuff
Argillite
Andesite Metatuff

Argillite

Andesite Metatuff
Rhyolite Metatuff
Andesite Metatuff

Rhyolite Intrusive
Argillite

Andesite Metatuff

Metadiorite to Andesite

806.0'

MATTAGAMI LAKE MINES LTD.

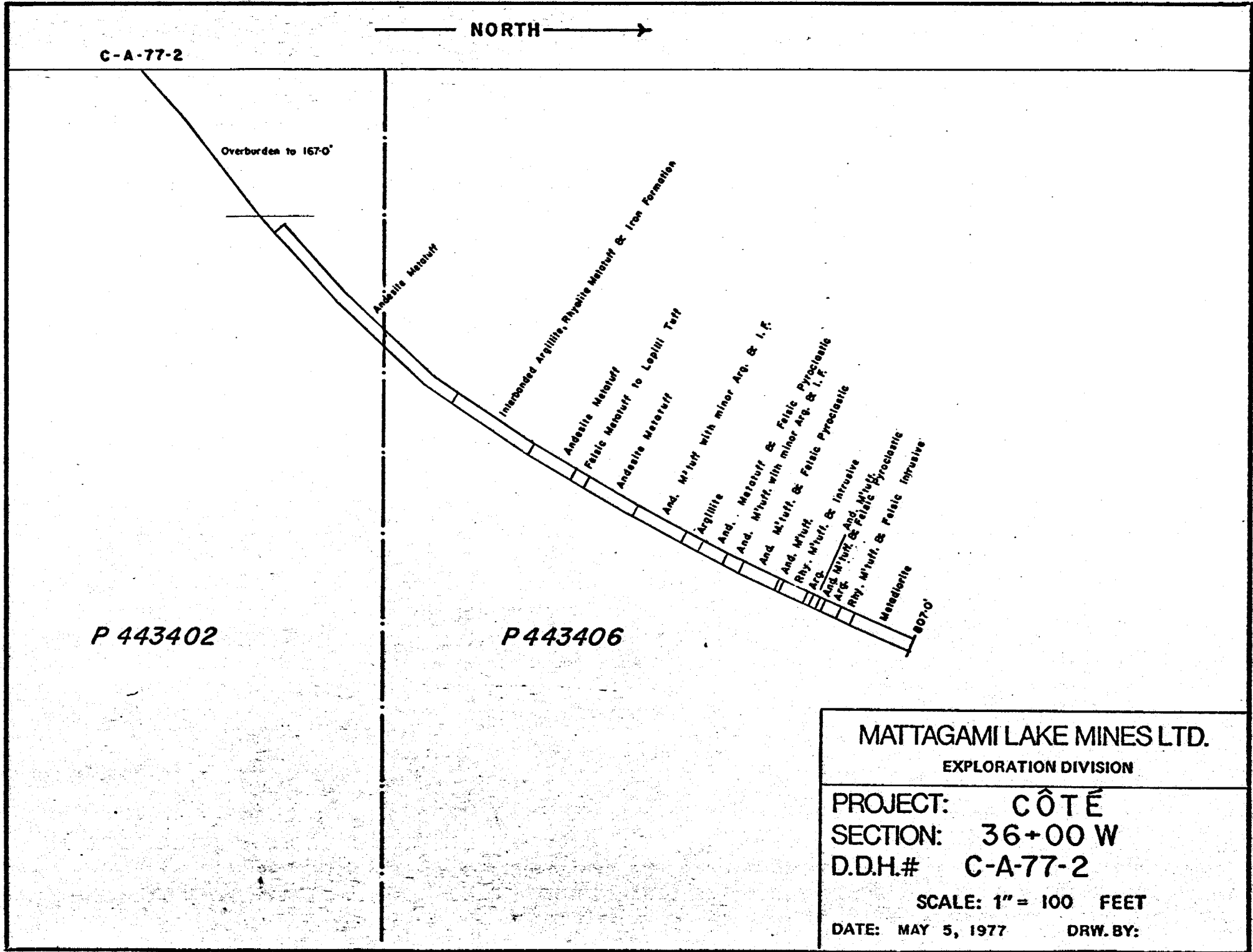
EXPLORATION DIVISION

PROJECT: CÔTÉ
SECTION: 42+00 W.
D.D.H.# C-A-77-1

SCALE: 1" = 100 FEET

DATE: APR. 14, 1977 DRW. BY:

MAP 8-70



P 443402

P 443406

MATTAGAMI LAKE MINES LTD. EXPLORATION DIVISION	
PROJECT:	CÔTÉ
SECTION:	36+00 W
D.D.H.#	C-A-77-2
SCALE: 1" = 100 FEET	
DATE: MAY 5, 1977	DRW. BY:

HAE 9-70

MATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

#113 Porcupine

PROPERTY	COTE	LATITUDE	9 + 50N	STARTED	MARCH 12, 1977	DIP TEST					
HOLE NO.	C-A-77-1	DEPARTURE	42 + 00W	FINISHED	MARCH 22, 1977	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	00 GRID NORTH	ELEVATION	SURFACE	LENGTH	806 FEET	100'	-520	400'	-450	700'	-220
DIP-COLLAR	-500	SECTION	42 + 00W	LOGGED BY	W. CORSTORPHINE	200'	-470	500'	-360	800'	-220
						300'	-470	600'	-290		

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS					
From	To				From	To	Length	CU ppm	ZN ppm	AG oz/T	AU oz/T	FE %	NA %
0'	180.0'	CASING:											
180.0'	225.0'	GLACIAL TILL & SANDY SILT: No casing											
225.0'	392.0'	ANDESITE METATUFF: Fine grained, schistose, dark green, 10-15% white carbonate streaking homogeneous except in interval 256-323 where finer grained greyer beds intercalate with the tuffs. Contacts are sharp. These are considered as volcanogenic metasediments. The paler beds are narrow (2') and often contain minor magnetite crystals & py. 258.2-258.3: small bed of massive magnetite (550 to CA) Gradational lower contact.											
392.0'	416.8'	ARGILLITE (CHLORITIC): Aphanitic to very fine grained, dark green, soft, chloritic. White carbonate bands & blebs 15%, 1-2mm up to 10mm. Weak banding discernible 600 to CA. 402-410': more massive Minor local py crystals & traces of po, zlt.											
416.8'	418.3'	ARGILLITE (SERICITIC): Aphanitic, pale grey with greenish cast, hard, possibly a rhyolite metatuff.											
418.3'	420.0'	QUARTZ VEIN:											
420.0'	422.0'	METADIORITE INTRUSIVE: Fine grained, weak foliation, medium grey green, homogeneous granular. Sharp lower contact 600 to CA.											
422.0'	436.0'	RHYOLITE METATUFF: Fine grained to aphanitic, buff grey, foliated - schistose. Quartz-eye phenocrysts 3-5% < 1mm.	no vis	C-1	423	424	1'	51	33	Nil	Nil	3.2	3.7
			no vis	C-2	434	435	1'	42	72	Nil	Nil	2.1	3.2
436.0'	437.2'	QUARTZ VEIN:											
437.2'	447.2'	ARGILLITE (SERICITIC): Similar to 416.8-418.3, aphanitic, pale buff grey faintly banded, traces of disseminated py + po. 444-446.2': section contains interbanded massive magnetite beds 2-3cm in thickness (10-12% of section). Magnetite bears 3-5% disseminated po. Sharp lower contact.	magnetite +5% S	C-3	444	416.2	2.2'	207	479	Nil	.006		
447.2'	450.0'	RHYOLITE METATUFF: Similar to 422-436, sericitic, schistose, pale buff grey. 3% quartz eye phenocrysts.	vis S	C-4	447.6	448.4	.8'	46	96	Nil	.002	4.7	2.7

FOOTAGE		DESCRIPTION	%	SAMPLE NO.	FOOTAGE			ANALYSIS					
From	To				From	To	Length	CU	ZN	AG	AU	FE	NA
450.0'	527.0'	ARGILLITE (CHLORITIC): Same as 392.0-416.9 but more coarsely banded. Numerous local concentrations of sulphides po + (py) & magnetite as at: 463-464: 5% magnetite + po 475: 5 cm massive magnetite + po 476.7-477.1: 15% magnetite + 5-10% po + py 495.7-499: 10-15% po + py diss to SMS seams tr cpy. 509.4-510.3: 15% po + py SMS lamellae 512-513: 5-10% po diss to SMS Several more such zones to 527 feet. Lower contact sharp.	5-10% diss po+py 5% mag & po 5-10% po + py 5-10% diss SMpo+py 15%po+py+tr cpy 15% " " " " 5-10% po+py diss to SM	C-5 C-6 C-7 C-8 C-9 C-10 C-11	456 461 470.5 476 495.6 508 517.8	461 467 476 483 499.3 510.3 520	5' 6' 5.5' 7' 3.7' 2.3' 2.2'	162 202 231 187 465 356 134	654 770 383 286 363 1150 350	Nil Nil Nil Nil Nil Nil Nil	.005 .003 .002 .006 .002 Nil Nil		
527.0'	556.3'	ANDESITE METATUFF: Similar to lower 70 feet of section 225-392 Fine grained, schistose, dark green, carbonate much less and unit has more homogeneous appearance.											
556.8'	570.0'	ARGILLITE: Same as 450-527. Fine grained to aphanitic chloritic argillite with intercalations of lesser quartz, carbonate, magnetite beds & sulphide zones. Some paler sericitic sections are present. 558.5-560: 15% po + py (latter as crystals) diss to SM 564.5-565.7: 20% magnetite lamellae in chloritic argillite & chert.	15%po+py+tr cpy diss to SM 25%SM to mfe203	C-12 C-13	558.5 562.3	560.0 566.0	1.5' 3.7'	468 160	363 119	Nil Nil	Nil Nil		
570.0'	583.5'	ANDESITE METATUFF: Fine grained, pale to medium green, homogeneous. Gradational lower contact.											
583.5'	608.0'	ARGILLITE (CHLORITIC): Same as 556.8-570 etc. Increased white fine grained quartz as irregular pods & beds (15%) Thin magnetite beds 1cm & massive at: 591, 593, 594.5, 597, 601-603 - 10% mag diss crystals.											
608.0'	646.8'	ANDESITE METATUFF: Fine grained, grey green, homogeneous but with weakly banded. May be volcanogenic metasediment. Sharp lower contact 650 to CA											
646.8'	648.3'	DIYOLITE METATUFF: Aphanitic, pale grey, quartz eye phenocryst schistose. Lower contact sharp but irregular (possibly intrusive).	no vis	C-14	647	647.4	.4'	49	31	Nil	Nil	2.6	4.8
648.3'	686.4'	ANDESITE METATUFF: Fine grained to aphanitic, white mottle effect in fine grained sections, very fine grained areas are homogeneous. No well developed foliation. From 670.5 variability in the banding increases. Sharp lower contact.											
686.4'	704.1'	DIYOLITE INTRUSIVE: Fine to medium grained. Borders are fine to aphanitic with central area (688.6-692) containing subhedral to anhedral ferromagnesian phenocrysts 1-2mm in diameter. Quartz phenocrysts of very small size are discernable. Sharp lower contact.	no vis S no vis S	C-15 C-16	687 702	687.4 702.4	.4' .4'	43 49	21 23	Nil Nil	Nil Nil	2.2 3.2	1.4 3.7

MATTAGAMI LAKE MINES LIMITED - EXPLORATION DIVISION - DIAMOND DRILL HOLE RECORD

#113 Porcupine

PROPERTY	COTE	LATITUDE	10 + 35N	STARTED	MARCH 23, 1977	DIP TEST					
HOLE NO.	C-A-77-2	DEPARTURE	36 + 00W	FINISHED	MARCH 29, 1977	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	00 GRID NORTH	ELEVATION	SURFACE	LENGTH	807 FEET	100'	-52o	400'	-34o	700'	-25o
DIP-COLLAR	-50°	SECTION		LOGGED BY	W. CORSTORPHINE	200'	-48o	500'	-30o	800'	-24o
						300'	-43o	600'	-26o		

From	To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ppm CU	ppm ZN	oz/T ASSAYS		FE	NA
					From	To	Length			AG	AU		
0'	172.0'	CASING: Bedrock at 167'											
172.0'	377.0'	ANDESITE METATUFF: (Minor Rhyolite & Intercalated Argillite) Fine grained, med to light green with white carbonate streaking 10%. Homogeneous except for locally minor rhyolite, argillite & argillite intercalations as. 172.0-233.0': 30% intercalated pink to grey fine grained rhyolite with 1-2% magnetite crystals. Bands are 1-4 inches separated by up to 4 feet andesite. 271.5-273': 10-15% magnetite in massive but thin bands 3cm. 60o to CA. 306.1-306.7': 80% magnetite in massive to semi massive beds. 308-322.5': 50-70% argillite intercalated with the andesite metatuff. Argillite is fine grained, grey green foliated to banded. Massive magnetite intercalations 321.8-322.5. 328-344': 10% massive magnetite as 9-10 thin beds within andesite tuff or volcanogenic metasediment of andesitic origin. 344-377': 40-50% argillite intercalations as 308-322.5 giving distinct banded effect. Massive magnetite 10-12% with minor po 5%. Gradational lower contact.											
377.0'	455.0'	INTERBANDED ARGILLITE, RHYOLITE METATUFF & IRON FORMATION: 377.0-391.0': Argillite, aphanitic to very fine grained grey to green, minor fine grained quartz laminae, 2% diss to very thin laminae e.g. @385'. 391-394': Rhyolite metatuff, fine grained, greenish grey, foliated, possible small quartz phenocrysts. 394-398.1': 70% rhyolite metatuff, sericitic, schistose, greenish to buff grey. @395' 1cm band semi massive py + po. 30% argillite green to grey banding aphanitic, schistose. 398.1-402.2': 40-45% argillite & fine grained quartz 55-60% magnetite, black, aphanitic 5-8% po + py disseminated to finely banded. 407.2-414.8': 55% argillite 40% magnetite black, fine grained 5% po + py disseminated to finely banded.	no vis S	C-19	391.5	392	.5'	49	54			3.9	2.0
			8% diss to Smpo	C-20	399.0	402	3'	143	226			21.3	

