



52G15NW0066 52G15NW0021 SIXMILE LAKE

010

Diamond Drilling

Area of SIXMILE LAKE

Report N^o 43

Work performed by: Mattagami Lake Mines

Claim N ^o	Hole N ^o	Footage	Date	Note
PA 212738	SL-23-70-9	723.0'	Nov/70	
	SL-23-70-10	566.0'	Nov-Dec/70	
	SL-23-70-11	490.0'	Dec/70	
	SL-23-70-12	408.0'	Dec/70	
	SL-23-71-13	404.0'	Jan/71	
	SL-23-71-15	350.0'	Jan/71	
	SL-23-71-16	384.0'	Jan/71	
	SL-23-71-18	405.0'	Jan.71	
	<u>SL-23-71-19</u>	<u>618.0'</u>	Jan-Feb/71	

9 DH

4348 FT

Notes:

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

PROPERTY	STURGEON LAKE GROUP "23"	LATITUDE	108 + 00 NORTH	STARTED	November 19, 1970	DIP TEST					
HOLE NO.	SL-23-70-9	DEPARTURE	94 + 00 EAST	FINISHED	November 25, 1970	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	GRID SOUTH	ELEVATION	SURFACE	LENGTH	723.0'	100.0'	49° 00'	400.0'	37° 30'	700.0'	35° 00'
IP-COLLAR	-50°	SECTION	6 + 00 WEST	LOGGED BY	HSOKHANDHA YANNGHWE	200.0'	46° 00'	500.0'	37° 00'		
						300.0'	41° 30'	600.0'	35° 00'		

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS	
From	To				From	To	Length		
0.0	100.0	CASING 0 - 70.0' Fine sand 70.0-100.0 Small boulders and pebbles.							
100.0	188.6	RHYOLITIC TUFF Quartz-metacrysts-porphyrific 1-15mm, fine grained leucocrate felsite; welded; creamy coloured to light grey; hard, siliceous. 105.0-106.5: Creamy pale yellowish tinge, very fine grained welded appearance dense and compact with secondary whitish feldspathic lath-like growth. From 123.0' the Rhyolitic Tuff became a little more grey in colour 129.0-130.0: Lost core							
188.6	223.0	RHYOLITIC COARSE TUFF Quartz-metacryst porphyritic 1-15mm; lapilli 2.4mm, rhyolite lensoid, drop-out, tightly packed and welded giving it a roughly felted appearance; fine grained and greyish in colour; hard, siliceous. 221.0-222.0: Lost core							
223.0	226.0	RHYOLITIC TUFF Quartz-metacryst porphyritic 1-15mm; greyish, fine grained; hard and siliceous, somewhat similar to 188.6-223.0, but only finer in texture.							
226.0	230.0	MIXED ZONE - RHYOLITIC TUFF + ANDESITIC INTERMEDIATE BANDS Scraps and shards. Rhyolitic horizons tuffaceous; fine grained; hard and siliceous; andesitic horizons fine grained, green in colour Quartz-metacryst-porphyrific throughout 1-1.15mm.							
230.0	233.5	ANDESITIC Displaying ovoid bodies up to 20mm tightly packed, fine, fine grained. The ovoid bodies have thin darker boundaries and may represent small flow pillows, interbands of minor rhyolitic tuff also occur. Occasional quartz-metacryst porphyrite up to 2mm, and also rounded quartz feldspar aggregates 3-4mm (pumaceous?). Garnets up to 2-5mm, with irregular outlines, also occur, and which give the rock a somewhat spotted appearance. The rock is compact, hard and dark green in colour.							

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS	
From	To				From	To	Length		
233.5	250.0	RHYOLITIC TUFF With interbands of agglomerate rhyolite and minor dacitic, fine grained bands the dacite bands could represent ejecta and shards up to up to 32mm of this material. Generally greyish in colour with a greenish tinge, but becoming more dark and mafic with depth, and display quartz-metacrysts 1-2mm. it grade into:-							
250.0	260.0	DACITIC (TO RHYO-DACITIC) TUFF Greyish and fine grained; with andesitic sections becoming more pronounced with depth. It displays quartz-metacrysts 1-2mm							
260.0	278.0	ANDESITIC TUFF Predominating; fine grained greenish grey in colour with gradational but minor leucocratic felsite bands. Quartz-metacrysts. Porphyritic 1-2mm. Occasional garnets.							
278.0	288.0	RHYOLITIC MEDIUM COARSE TUFF Fine grained, greyish welded with felted appearance and displaying prominent scraps and shard of mafic, green, andesitic material up to 7 X 25 mm.							
288.0	291.5	DACITIC TUFF Fine grained, greyish colour.							
291.5	303.0	RHYOLITIC MEDIUM COARSE TUFF Similar to footage 278.0-288.0							
303.0	328.0	RHYO-DACITIC TUFF Grey, fine grained, with mafic scraps and shards; similar in appearance to Rhyolitic Tuff but with the difference that it is somewhat finer in texture and softer, and a little shade darker in colour. Lost core - 306.5-307.0							
328.0	346.0	RHYOLITIC TUFF Fine Grained, greyish siliceous and hard, with mafic scraps and shard. These horizons are interbedded with lighter coloured Rhyolitic Coarse Tuff.							
346.0	369.0	RHYOLITIC MEDIUM COARSE TUFF Fine grained grey welded and felted appearance and displaying prominent mafic scraps and shard somewhat similar in appearance to footage 278.0-288.0							
		367.0-369.0 RHYOLITIC TUFF , Fine grained grey, siliceous, hard with asby? (feldspar quartz) scraps							
369.0	447.0	RHYOLITIC TUFF Greyish with greenish tinge, fine grained, hard and siliceous; and from 402.0 grading into a darker coloured Rhyolitic tuffa, still hard and siliceous, but indicating perhaps an increasing mafic content. It is also spotted with garnets, in the order of 1mm. Lost core 399.0-399.6, 419.0-420.0							

M.L.M. EXPLORATION DIVISION, D.D.H. RECORD

PROPERTY STURGEON LAKE
GROUP "23"

HOLE NO SL-23-70-9 Page 4/4

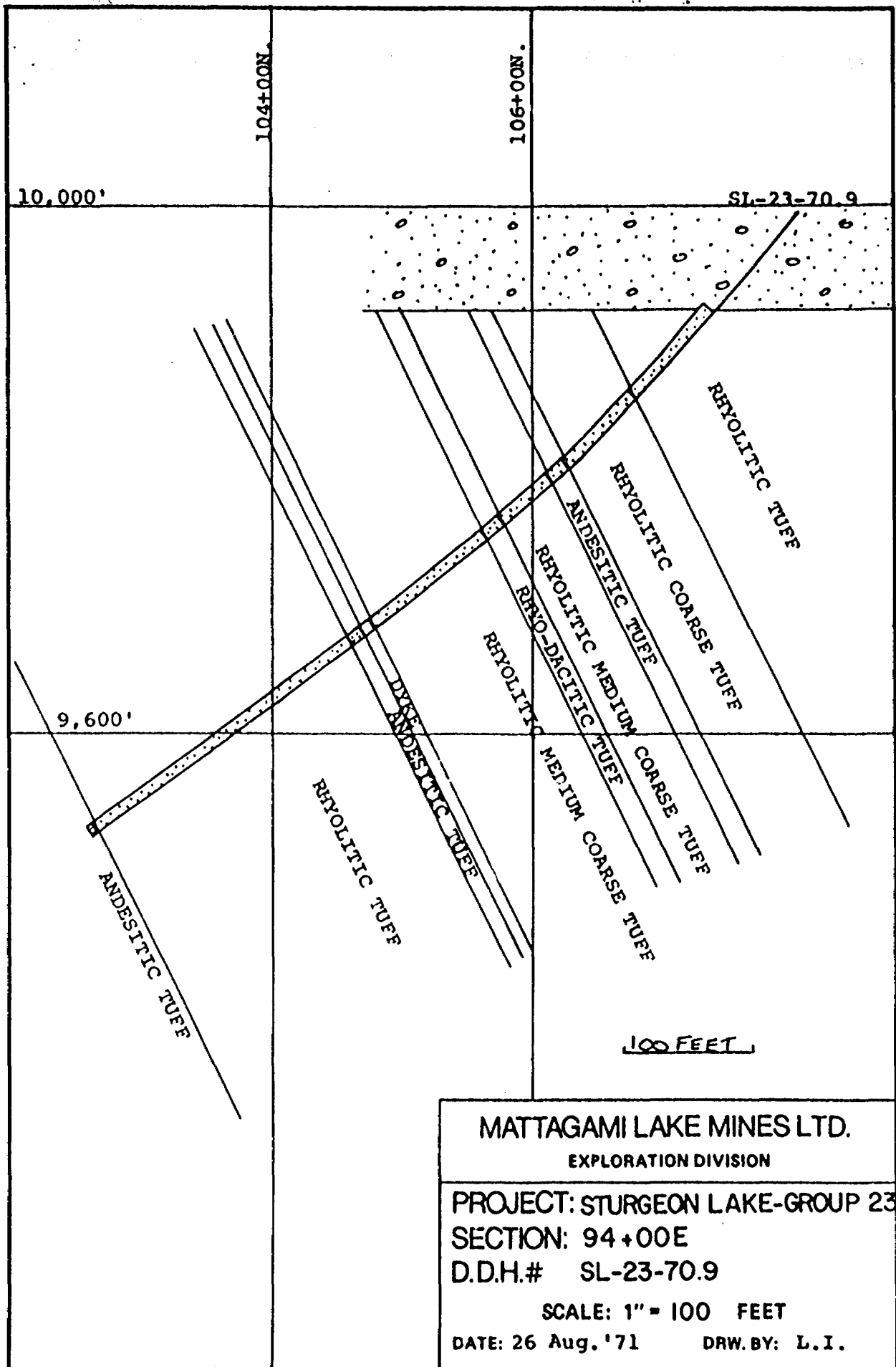
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS
From	To				From	To	Length	
720.0	723.0	ANDESITIC TUFF Fine grained, grey green colour, with garnets.						
	723.0	END OF HOLE						

N.B. This drill hole was stopped at the boundary between Mattagami Lake Mines claims and those of New Brunswick Uranium.

**DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

FOOTAGE From	To	DESCRIPTION	Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS												
					From	To	Length													
720.0	723.0	ANDESITIC TUFF Fine grained, grey green colour, with garnets.																		
723.0		END OF HOLE																		
<p>N. B. This drill hole was stopped at the boundary between Mattagami Lake Mines claims and those of New Brunswick Uranium.</p>																				

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M.L.M. EXPLORATION DIVISION, D.D.H. RECORD

"23"

PROPERTY STURGEON LAKE - GROUP HOLE NO. SL-23-71-10 Page 2/2

FOOTAGE		DESCRIPTION	% Microrelief	SAMPLE NO.	FOOTAGE			ASSAYS					
From	To				From	To	Length	Au	Ag	Zn	Cu	Pb	
508.0	511.5	LAMPROPHYRE DYKE Grey green, fine grained, sharp upper contact @ 60° to core axis lower contact irregular.	Nil	19832	508.0	511.0	3.0	Nil	Nil	Nil	Nil	Nil	Nil
511.5	566.0	RHYO DACITIC TUFF Light grey green, fine grained, siliceous tending toward dacitic in composition. Schistose texture, finely felted appearance, occasional andesitic bands.	Nil	19833	511.0	515.0	4.0	Nil	Nil	Nil	Nil	Nil	Nil
		512.0-513.5: Andesitic bands with irregular garnets up to 5mm.	Nil	19834	515.0	520.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
		520.0-522.0: Andesitic band grey-green fine grained upper contact @55° to core axis, lower gradational.	Nil	19835	520.0	525.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
		522.0-526.0: RHYO DACITIC TO RHYOLITIC TUFF. Grey green, fine grained siliceous to dacitic composition, mafic shards and sharps.	Nil	19836	525.0	530.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
		526.0-528.0: ANDESITIC TUFF, greenish grey, fine grained, irregular garnets up to 6mm, mafic shards and straps.	Nil	19837	530.0	535.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
		528.0-566.0: RHYO DACITIC TUFF, light greyish green hard siliceous to dacitic, fine to medium coarse texture. Mafic shards and scraps.	Nil	19838	535.0	540.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
			Nil	19839	540.0	545.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
			Nil	19840	545.0	550.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
			Nil	19841	550.0	555.0	5.0	Nil	Nil	Nil	Nil	Nil	Nil
			40py	19842	555.0	557.5	2.5	Nil	Nil	Nil	Nil	Nil	Nil
			10py	19843	557.5	559.0	1.5	Nil	Nil	Nil	Nil	Nil	Nil
			tr.py	19844	559.0	562.5	3.5	Nil	Nil	Nil	Nil	Nil	Nil
				19845	562.5	566.0	3.5	Nil	Nil	Nil	Nil	Nil	Nil
		SULPHIDES 557.5-562.5 (5.0') SEMI MASSIVE, mainly pyrite.											
566.0	END OF HOLE												

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POOR QUALITY ORIGINAL
TO FOLLOW**

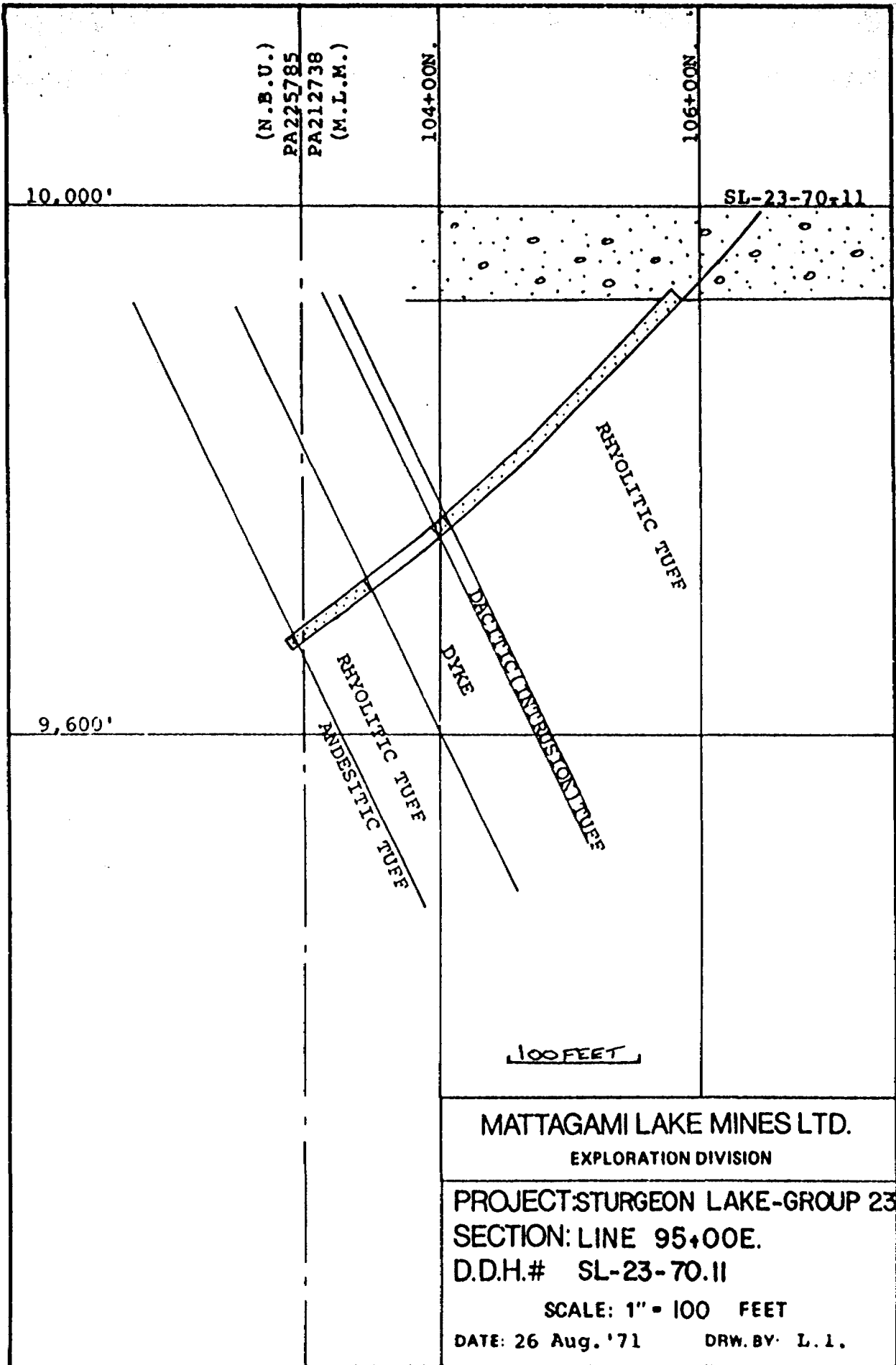
M.L.M. EXPLORATION DIVISION D.D.H. RECORD

PROPERTY SURVEYOR: LAKE GROVE 25' NO. 23-71-10 2/7

FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS					
FROM	TO				From	To	Length	Ag	Ag	Zn	Cu	Pb	
508.0	511.5	LAMPROPHYRE DYKE Grey green, fine grained, sharp upper contact @ 60° to core axis lower contact irregular.	NIL	19832	508.0	511.0	3.0	NIL	NIL	NIL	NIL	NIL	NIL
511.5	566.0	RHYO DACITIC TUFF Light grey-green, fine grained, siliceous tending toward dacitic in composition, schistose texture, finely felted appearance, occasional andesitic bands.	NIL	19833	511.0	515.0	4.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19834	515.0	520.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19835	520.0	525.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19836	525.0	530.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
		512.0-513.5 Andesitic bands with irregular garnets up to 5mm.	NIL	19837	530.0	535.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19838	535.0	540.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
		520.0-522.0 Andesitic band grey-green fine grained upper contact @ 55° to core axis, lower gradational.	NIL	19839	540.0	545.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19840	545.0	550.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
			NIL	19841	550.0	555.0	5.0	NIL	NIL	NIL	NIL	NIL	NIL
		522.0-526.0 RHYO DACITIC TO RHYOLITIC TUFF. Grey green, fine grained, siliceous to dacitic composition, mafic shards and sharps.	NIL	19842	555.0	557.5	2.5	NIL	NIL	NIL	NIL	NIL	NIL
			40py	19843	557.5	559.0	1.5	NIL	NIL	NIL	NIL	NIL	NIL
		526.0-528.0 ANDESITIC TUFF, greenish grey, fine grained, irregu- lar garnets up to 6mm, mafic shards and straps.	tr. py	19844	559.0	562.5	3.5	NIL	NIL	NIL	NIL	NIL	NIL
				19845	562.5	566.0	3.5	NIL	NIL	NIL	NIL	NIL	NIL
		528.0-566.0 RHYO DACITIC TUFF, light greyish green hard siliceous to dacitic, fine to medium coarse texture. Mafic shards and scraps											
		SULPHIDES 557.5-562.5 (5 0') SEMI MASSIVE, mainly pyrite.											
566.0	END OF HOLE.												

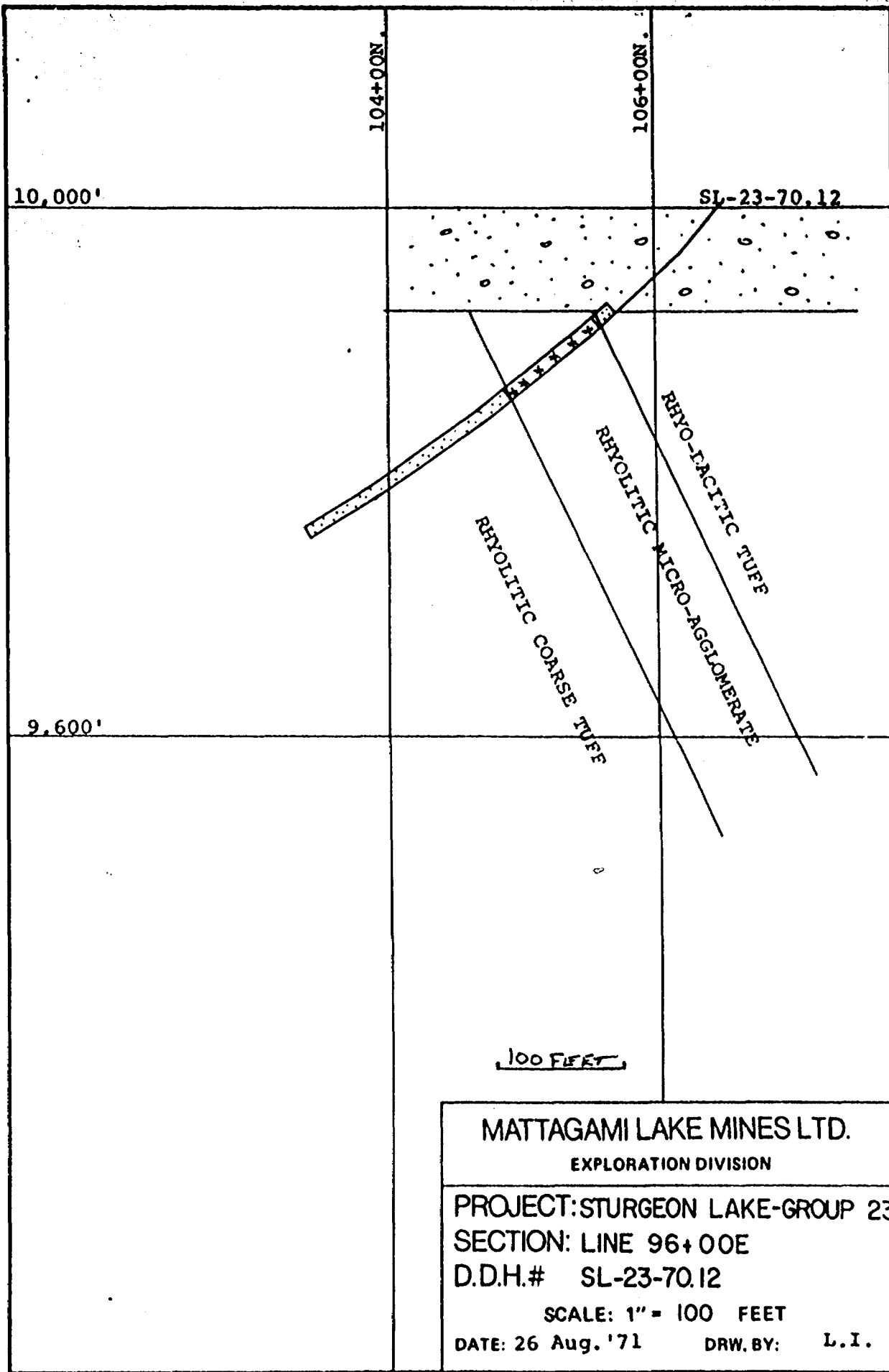
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length							
	336.0-346.0	Light grey-green, fine grained, massive.												
	346.0-358.0	Finer grained upper contact @ 70° lower grounded.												
348.0	416.5	DYKE Light grey, green, fine grained, hard, compact aphanitic, upper and lower contacts grounded. Second opinion Dacitic Flow.	LOST CORE		385.0	387.0	2.0							
416.5	485.0	RHYOLITIC TUFF Light to medium grey, fine grained, siliceous, hard, occasional mafic scraps, occasional schistose sections.												
485.0	490.0	ANDESITIC TUFF Greyish green, fine grained, mafic contents with increase in depth, garnets.												
		NO MINERALIZATION INTERSECTED												
	490.0	END OF HOLE HOLE STOPPED AT BOUNDARY.												

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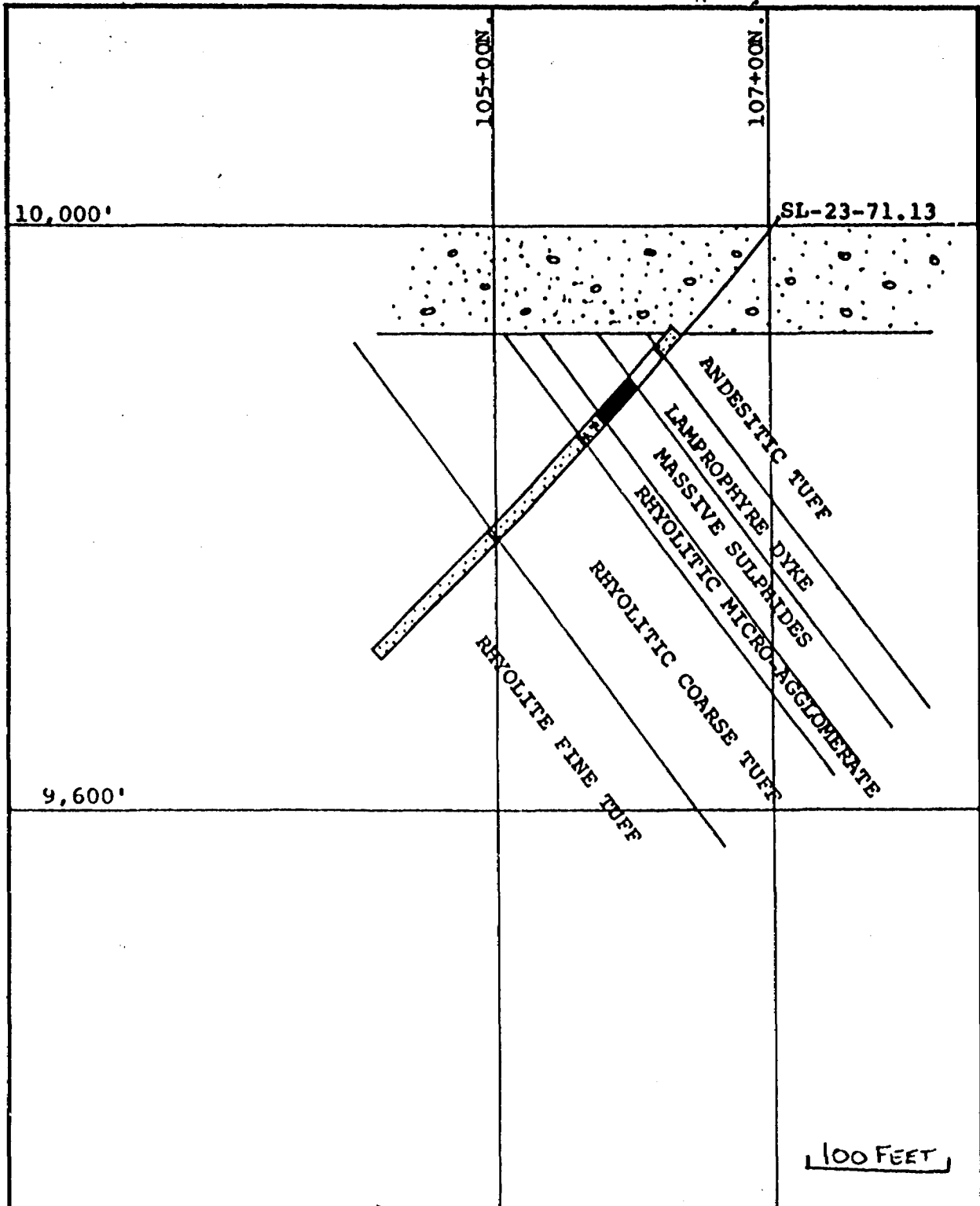
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length	Au	Ag	Zn	Cu	Pb		
	359.0-360.0	D.Y.K.E. RHYOLITIC COARSE TUFF; Grey green, fine grained, salt and pepper texture, upper and lower contacts @ 70 to core axis.												
	360.0-376.0	RHYOLITIC ASH TUFF, light grey to cream fine grained coarse texture, grey fragments in fine grained matrix.												
	376.0-395.0	Light grey, fine grained, finer texture than above little darker in shade.												
	395.0-398.0	AGGLOMERATIC SECTION IN RHYOLITIC TUFF, lapillae lensoid, occasionally appears welded.												
	398.0-408.0	RHYOLITIC TUFF, light to medium grey, fine grained, medium texture with minor ash tuff @ 401-402.0'												
		NO MINERALIZATION INTERSECTED.												
408.0		END OF HOLE.												

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FOOTAGE		DESCRIPTION	Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS				
From	To				From	To	Length					
177.5	196.0	RHYOLITIC MICRO AGGLOMERATE For description please see page 1	NIL	21271	193.0	196.0	3.0	Nil	Nil	.4	Nil	.11
196.0	287.0	RHYOLITIC COARSE TUFF TO AGGLOMERATE	NIL	21272	196.0	209.0	5.0	Nil	Nil	.2	Nil	.03
		196.0-216.0 QUARTZ EYE RHYOLITE TUFF	nil	21273	201.0	216.0	5.0	Nil	Nil	.2	Nil	.01
		Could be called micro agglomerate for description please see page 1.	NIL	21274	206.0	211.0	5.0	Nil	Nil	.2	Nil	.01
			NIL	21275	211.0	216.0	5.0	Nil	Nil	Tr	Nil	.01
		216.0-287.0 Could be called rhyo-dacitic tuff with agglomeratic sections.										
287.0	404.0	RHYOLITIC FINE TUFF For detail description please see page 2 under the new classification and differentiation between rhyolite and rhyo-dacite. This particular section could be taken as rhyodacitic tuff.										

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MATTAGAMI LAKE MINES LTD.
 EXPLORATION DIVISION
 PROJECT: STURGEON LAKE-GROUP 23
 SECTION: LINE 98+00E
 D.D.H.# SL-23-71.13
 SCALE: 1" = 100 FEET
 DATE: 26 Aug. '71 DRW. BY: L.I.

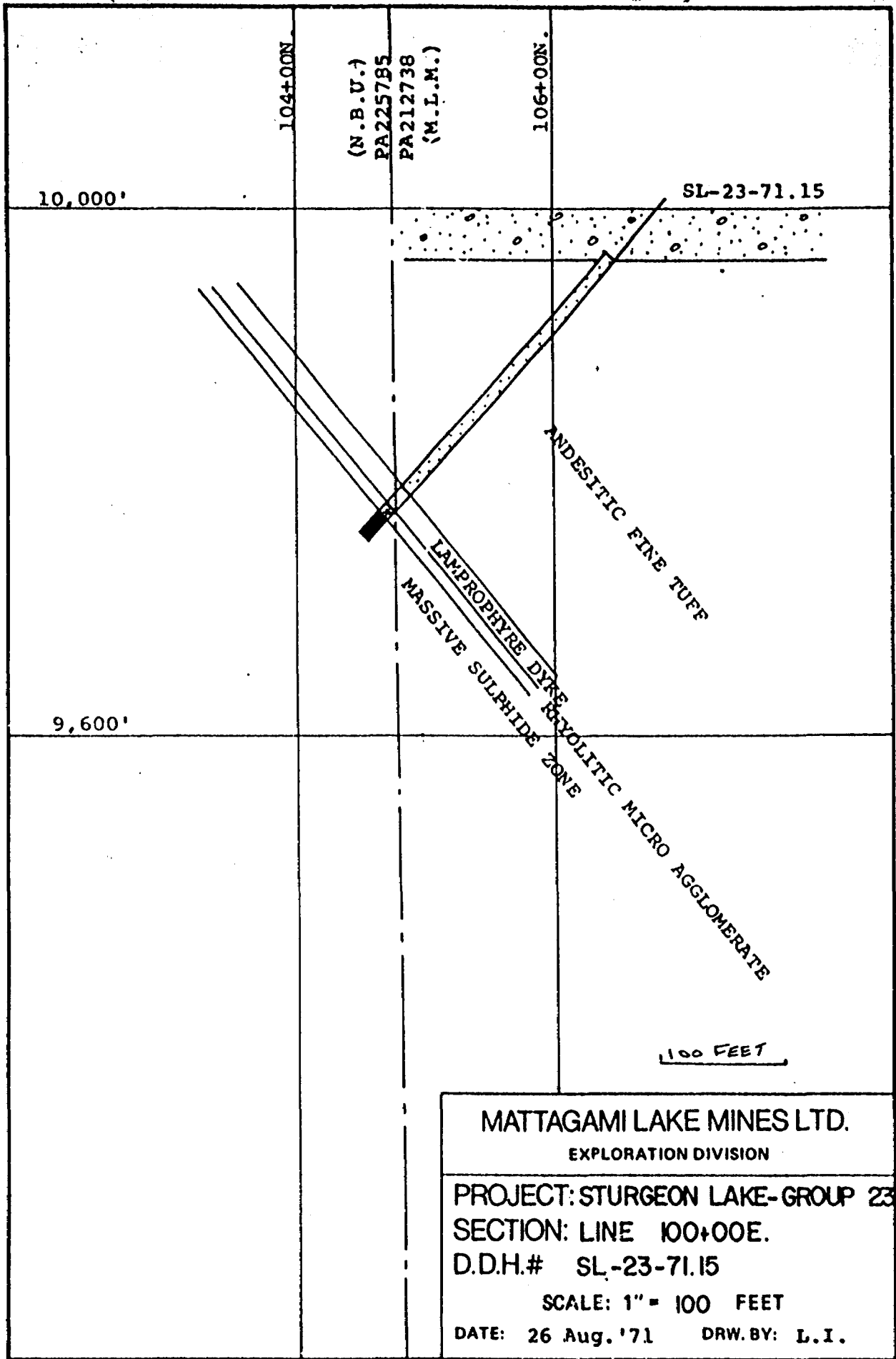
R E L O G G E D

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

PROPERTY	STURGEON LAKE GROUP "3"	LATITUDE	107 + 00 NORTH	STARTED	January 16, 1971	DIP TEST					
HOLE NO.	SL-23-71-15	DEPARTURE	100 + 00 EAST	FINISHED	January 19, 1971	Footage	Corrected	Footage	Corrected	Footage	Corrected
BEARING	195° 00' (GRID SOUTH)	ELEVATION	SURFACE	LENGTH	350.0'	100	49° 00'				
DIP-COLLAR	-50°	SECTION	0 + 00	LOGGED BY	LOBELLE, YAWNGHWE, ALI	200	47° 00'				
						300	45° 00'				

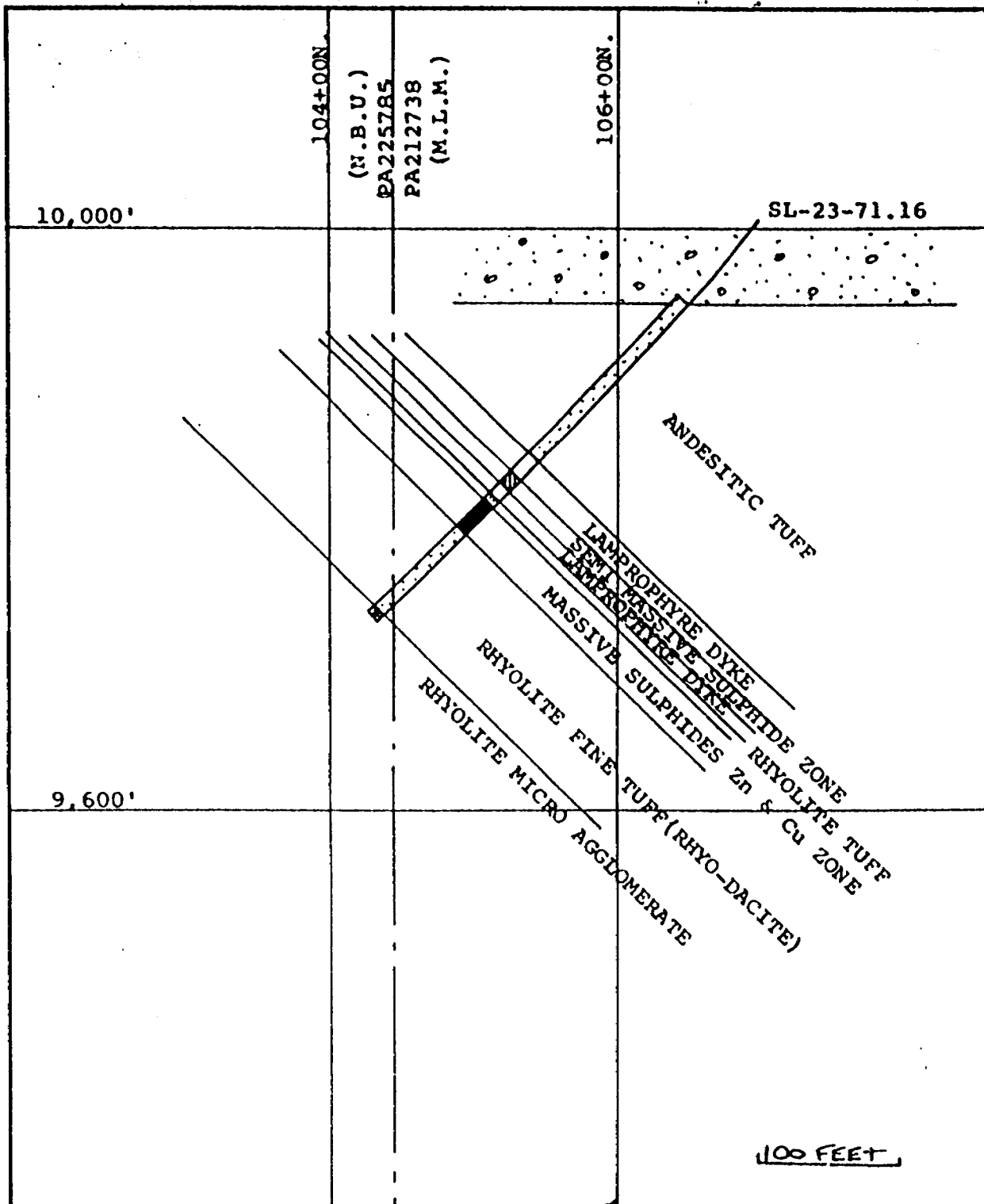
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length	Au	Ag	Zn	Cu	Pb		
0.0	62.0	C A S I N G SAND, GRAVEL AND BOULDERS												
62.0	300.0	ANDESITIC FINE TUFF Greyish green, very fine grained to fine grained massive, compact, numerous quartz-calcite stringers finely bedded, tuffaceous texture, schistosity varies from 45° to 60° to core axis occasionally 1-2' siliceous sections. Occasionally angular to lensoid fragments up to 5mm in size tightly packed, chloritization and carbonitization.												
		221.5-227.0 Siliceous section, light to medium grey, rhyodacitic to rhyolitic tuff well defined schistosity upper contact with andesitic tuff @ 30° to core axis and lower @ 45° to core axis.												
300.0	319.0	LAMPROPHYRE DYKE Green, fine to medium grained, speckled or salt and pepper texture, occasional biotite, chlorite and hornblende aggregates, upper contact irregular @ 45° - core axis, lower grounded.	NIL	21024	316.8	321.8	5.0	NIL	NIL	2	UL	NIL		
319.0	328.4	RHYOLITIC MICRO AGGLOMERATE Greyish green, chloritized altered matrix, white 5-25 mm acid fragments sheared and altered tightly packed, fragments usually angular with few lapillae, heavily sheared and brecciated. Shearing and brecciation indicate SHEARED ZONE.	<1py, 2py, 1sp, tr. cp	21025 21026	321.8 323.6	323.6 328.4	1.8 4.8	NIL NIL	NIL NIL	1 1	UL UL	NIL NIL		
328.4	350.0	MASSIVE SULPHIDE ZONE 85% massive sulphides in rhyolitic agglomerate 328.4-343.1 ZINC ZONE, 50% py, 45% sph, < 1% cpy. 343.1-350.0 ZINC & COPPER ZONE, 25% py, 35% sph, 15% cpy.	40py, 30sp, 1cp 50py, 40sp, 1cp 50py, 45sp, 1cp 30py, 60sp, 1cp 20py, 60sp, 10cp 30py, 30sp, 25cp 20py, 40sp, 20cp	21027 21028 21029 21030 21031 21032 21033	328.4 332.3 337.3 342.1 343.1 345.3 348.3	332.3 337.3 342.1 343.1 345.3 348.3 350.0	4.9 5.0 4.8 1.0 2.2 3.0 1.7	.023 .030 .018 .017 .020 .017 .026	7.52 8.00 9.24 1.92 4.75 8.55 5.77	13.1 19.6 22.4 28.4 22.5 8.7 16.2	.66 .72 .24 .11 3.25 3.58 3.21	2.16 2.44 4.83 1.28 .95 .68 .60		
	350.0	E N D O F H O L E												
		HOLE WAS STOPPED IN MASSIVE SULPHIDES DUE TO CROSSING OUR BOUNDARY.												

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

PROPERTY		LATITUDE	STARTED		DIP TEST							
STURGEON LAKE - GROUP "23"		107 + 00 NORTH	January 21, 1971		Footage	Corrected	Footage	Corrected	Footage	Corrected		
HOLE NO.		DEPARTURE	FINISHED									
SL-23-71-16		99 + 00 EAST	January 24, 1971		100.0	47° 00'						
BEARING		ELEVATION	LENGTH									
195° (GRID SOUTH)		SURFACE	384.0'		200.0	45° 00'						
DIP-COLLAR		SECTION	LOGGED BY									
-50		1 + 00 WEST	LOISELLE, YAWNGHWE, ALI		300.0	44° 00'						
FOOTAGE		DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS				
From	To				From	To	Length	Au	Ag	Zn	Cu	Pb
0.0	74.0	C A S I N G ; SAND, GRAVEL & BOULDERS										
74.0	226.0	ANDESITIC TUFF Greyish green to green, numerous qtz-calcite strgrs., and bands, fine grained, tuffaceous, poor schistosity @30° to core axis. 98.0-115.0 Ashy texture andesite SULPHIDES: < 1%										
226.0	245.5	LAMPROPHYRE DYKE Medium green, speckled, fine to medium grain upper & lower contact grounded.	< lpy	19859	241.0	246.0	5.0	NIL	.12	.3	.03	.05
245.5	256.0	SEMI MASSIVE SULPHIDE ZONE IN RHYOLITE FINE TUFF Light grey, fine grained, siliceous lightly chloritized giving light green tinge. Blue "quartz-eyes". 246.0-256.0 LOW ZINC ZONE.	20py, 10sph, 1cp 20py, 7sph, 1cp	19849 19850	246.0 251.0	251.0 256.0	5.0 5.0	.049 .008	4.89 2.16	3.5 1.7	.41 .14	.80 .31
256.0	264.0	LAMPROPHYRE DYKE Greenish, medium grained, speckled salt & pepper texture contacts grounded.	lpy, tr, sp	19860 19861	256.0 250.0	260.0 265.0	4.0 5.0	NIL NIL	NIL NIL	1 1	Tr. Tr.	Tr. Tr.
264.0	270.0	RHYOLITE TUFF Same as 245.5-256.0 occasional agglomeratic angular to lensoid' fragments, blue qtz-eyes, qtz-calcite strgrs. poor schistosity @30° to core axis.										
270.0	298.0	MASSIVE SULPHIDES ZINC & COPPER ZONE 30% py, 40% sph, and 3% cpy	40py, 50sp, 2cp 30py, 50sp, 2cp 20py, 30sp, 2dp 20py, 30sp, 3cp 25py, 30sp, 2cp 20py, 25sp, 5cp	19852 19853 19854 19855 19856 19857	270.0 275.0 280.0 285.0 290.0 295.0	275.0 280.0 285.0 290.0 295.0 298.0	5.0 5.0 5.0 5.0 5.0 3.0	.054 .018 .014 .012 .017 .011	27.43 8.40 5.36 3.96 6.41 2.04	38.6 31.2 22.6 13.8 14.2 13.2	.70 .62 .91 1.54 .78 1.00	10.70 1.05 1.97 .83 1.22 .31
298.0	377.5	RHYOLITE FINE TUFF (RHYO-DACITE) Light to medium grey to dark grey and then to medium grey very fine to fine grained, very fine blue qtz-eyes < lmm in size, occ. agglomeratic sections 372.5-373.5 DYKE Upper and lower ctct sharp @45°-CA. lower ctct, cross cutting schistosity in rhyolite tuff.	lpy, lsp, < lcp	19858	298.0	303.0	5.0	NIL	.17	.4	.25	.04
377.5	384.0	RHYOLITE MICRO AGGLOMERATE Grey green, fine grained intermediate matrix with siliceous felsic agglomerates, lensoid drawn out 30-40%, 3-15mm in size medium packing.										
384.0		END OF HOLE										



104+00N

(M.B.U.)
PA225785

PA212738
(M.L.M.)

106+00N

10,000'

SL-23-71.16

9,600'

100 FEET

MATTAGAMI LAKE MINES LTD.
EXPLORATION DIVISION

PROJECT: STURGEON LAKE-GROUP 23
SECTION: LINE 99+00E.
D.D.H.# SL-23-71.16

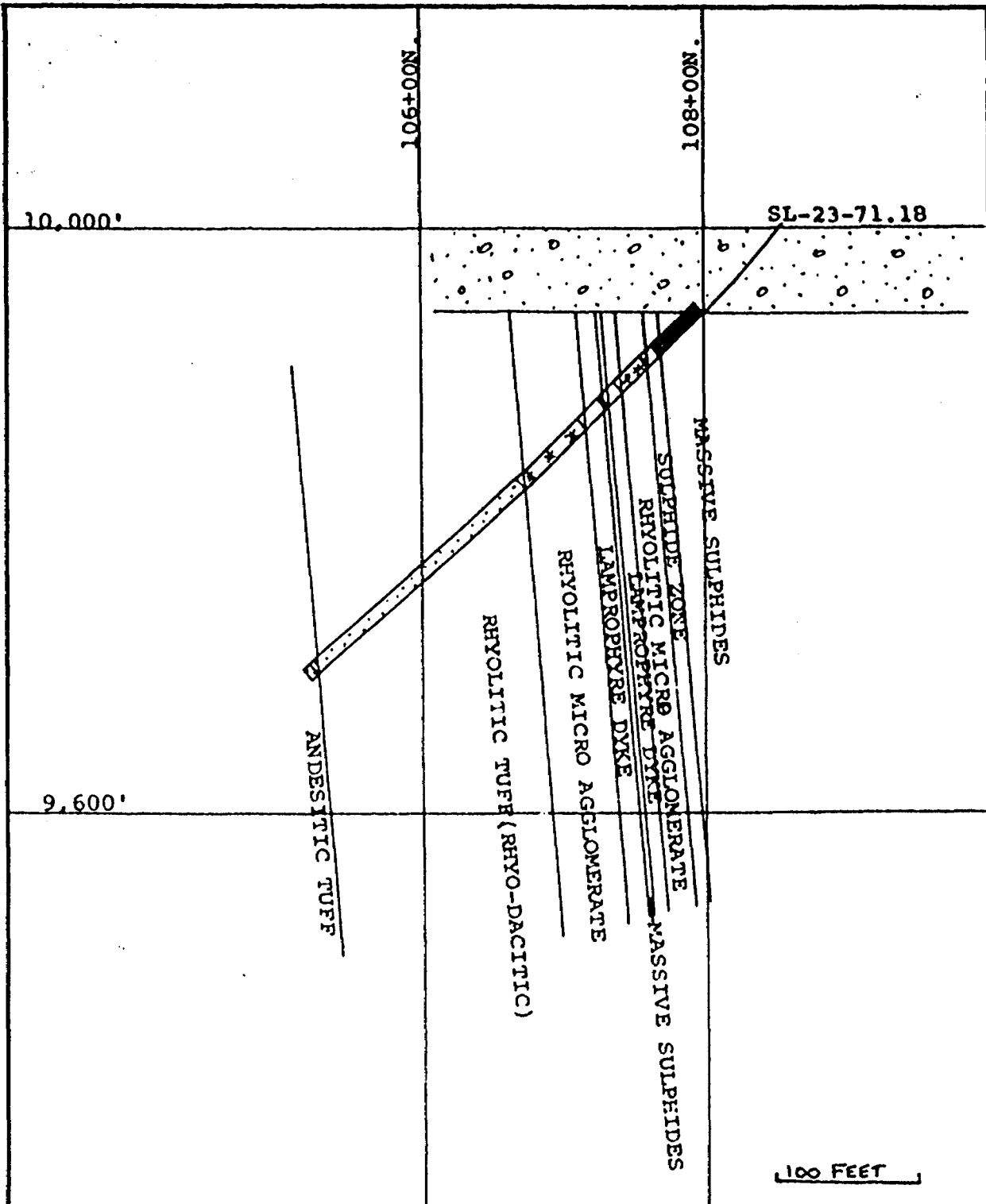
SCALE: 1" = 100 FEET
DATE: 26 Aug. '71 DRW. BY: L.I.

RE-LOGGED

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

PROPERTY		LATITUDE		STARTED		FOOTAGE		CORRECTED		DIP TEST		FOOTAGE		CORRECTED	
STURGEON LAKE GROUP 23		108 + 50 NORTH		January 27, 1971											
MOLE NO. SL-23-71-18		DEPARTURE 97 + 00 EAST		FINISHED January 30, 1971		100'		44° 00'		400		40° 00'			
BEARING 195° (GRID SOUTH)		ELEVATION SURFACE		LENGTH 405.0'		200'		44° 00'							
DIP-COLLAR -50°		SECTION 3 + 00 WEST		LOGGED BY YANGHWE, ALI, LOISELLE		300'		41° 00'							
FOOTAGE		DESCRIPTION		MINERALIZATION		SAMPLE NO.		FOOTAGE		ASSAYS		FOOTAGE		CORRECTED	
From	To							From	To	Length	Au	Ag	Zn	Cu	Pb
0.0	80.0	CASING SAND, GRAVEL & BOULDERS													
80.0	122.7	MASSIVE SULPHIDES													
		80.0-96.4	PYRITE, ZINC, ZONE	average 90%py, 5-10% sph	90py, 10sp	19862	80.0	85.0	5.0	.030	13.17	9.9	.31	2.50	
		96.4-122.7	ZONC. COPPER, ZONE		90py, 10sp	19863	85.0	88.7	3.7	.030	13.56	6.5	.88	1.32	
					80py, 15sp	19864	88.7	92.7	4.0	.026	13.87	6.7	.91	1.36	
					85py, 15sp	19865	92.7	96.4	3.7	.018	5.92	5.3	1.05	1.18	
					70py, 25sp, 5cp	19866	96.4	100.8	4.4	.023	7.58	10.6	.62	2.55	
					60py, 30sp, 10cp	19867	100.8	104.3	3.5	.040	11.23	12.3	.72	3.37	
					50py, 40sp, 10cp	19868	104.3	108.0	3.7	.021	12.36	12.5	.59	3.53	
					20py, 10sp, 10cp	19869	108.0	110.6	2.6	.011	3.96	11.0	.67	2.47	
					60py, 30sp, 10cp	19870	110.6	113.0	2.4	.032	6.62	8.6	1.95	1.29	
					25py, 10sp, 5cp	19871	113.0	117.0	4.0	.026	7.53	11.4	3.82	2.02	
					50py, 20sp, 7cp	19872	117.0	119.8	2.8	.015	9.50	13.6	2.84	2.20	
122.7	133.8	SULPHIDE ZONE (LOW ZN - CU ZONE) 5-10% sph, 1-3% cpy			50py, 40sp, 10cp	19873	119.8	122.7	2.9	.012	7.76	8.4	3.98	1.42	
		15% sulphides in Brecciated Rhyolite agglomerate brecciation and shearing due to possible FAULT ZONE			10py, 10sp, 3cp	19874	122.7	125.5	2.8	.015	4.49	3.2	6.10	.49	
		Possible FAULT ZONE from 122.7-197.0'			5py, 5sp, 1cp	19875	125.5	129.6	4.1	.010	1.81	3.5	1.80	.54	
						19876	129.6	133.8	4.2	.009	2.74	7.1	1.18	1.17	
133.8	160.0	RHYOLITIC MICRO AGGLOMERATE													
		Green with light coloured rhyolite lapilae, brecciated and sheared, vuggy, talc, carbonate alterations, chloritized, loose to medium packing, scoraceous looking maybe due to alterations on fault zone, leaching.			5py	19877	133.8	138.5	2.7	.006	1.46	5.8	1.00	.61	
					LOST CORE		134.5	135.5	1.0	LOST CORE					
					LOST CORE		136.0	137.0	1.0	"	"				
		141.5-144.5	LAMPROPHYRE DYKE? (MAFIC INTRUSION)		3py	19878	138.5	144.8	4.3	Nil	.17	1.4	.06	.10	
			Green, fine grained, vuggy, altered		LOST CORE		140.5	141.5	1.0	LOST CORE					
					LOST CORE		142.0	143.0	1.0	LOST CORE					
160.0	173.5	LAMPROPHYRE DYKE? (MAFIC INTRUSION)			2py	19879	144.8	150.0	5.2	Nil	Nil	.4	.03	.03	
		Green, fine grained, altered, vuggy and pitted appearance. Appears as this dyke is in above noted FAULT ZONE			1py	19880	150.0	160.0	10.0	LOST CORE					
					lost CORE		162.0	164.0	2.0	LOST CORE	1.3	.13	.07		
					7py	19881	164.0	167.0	3.0	LOST CORE	1.5	.04	.04		
					LOST CORE		167.0	172.0	5.0	LOST CORE					
173.5	175.5	MASSIVE SULPHIDES			51py	19882	172.0	173.5	1.5	Nil	Nil	1.4	Tr.	.04	
		70% sulphides	ZINC ZONE	40% sph, 30%py	30py, 40sp	19883	173.5	175.5	2.0	.059	18.65	16.1	.21	6.40	
175.5	181.0	LAMPROPHYRE DYKE? (MAFIC INTRUSION)			<1py, po	19884	175.5	178.0	2.5	Nil	Nil	.1	.05	Nil	
		As described above with occasional acidic remnant bands			LOST CORE		178.0	180.0	2.0	LOST CORE					
					LOST CORE		182.0	186.0	(6.0)	LOST CORE					
					LOST CORE		195.0	197.0	12.0	LOST CORE					

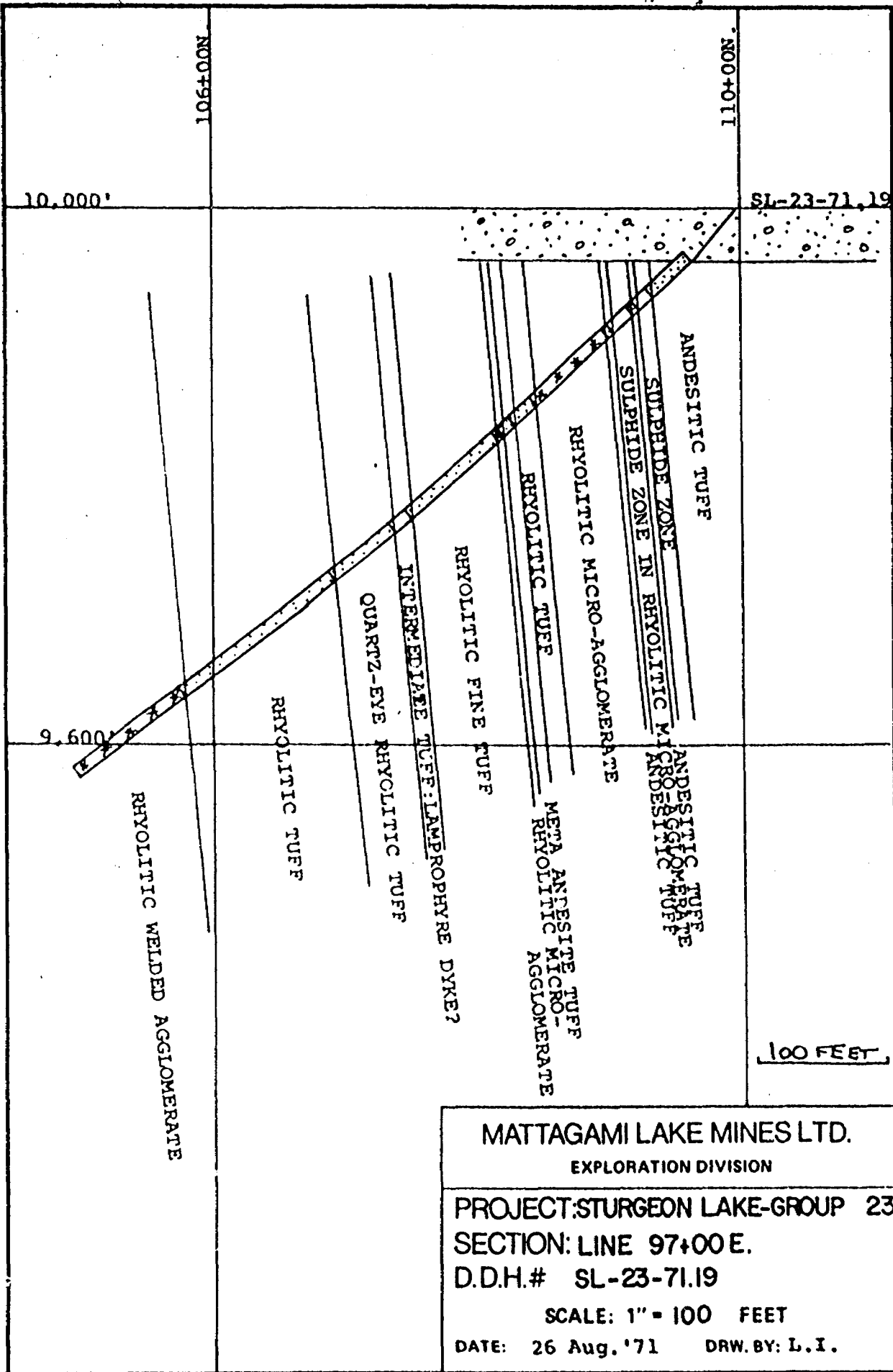
FOOTAGE		DESCRIPTION	Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
From	To				From	To	Length							
175.5	197.0	LAMPROPHYRE DYKE See page 1 for description												
			LOST CORE		178.0	186.0	8.0	LOST CORE						
			NIL	25882	186.0	191.0	5.0	Nil	1.7	Nil	.03			
			Nil	25883	191.0	195.0	4.0	Nil	.4	Nil	.02			
			LOST CORE		195.0	197.0	2.0	LOST CORE						
			NIL	25884	197.0	201.0	4.0	Nil	.1	Nil	Tr.			
			LOST CORE		201.0	203.0	2.0	LOST CORE						
			NIL	25885	203.0	208.0	5.0	Nil	.8	Nil	Tr.			
			LOST CORE		208.0	210.0	2.0	LOST CORE						
				25886	210.0	213.0	3.0	Nil	.2	Tr.	Tr.			
				25887	213.0	218.0	5.0	Nil	.2	Nil	Tr.			
			LOST CORE		218.0	219.0	1.0	LOST CORE						
				25888	219.0	224.0	5.0	Nil	Nil	Nil	Nil			
254.0	400.0	RHYO-DACITIC TUFF Please see page 2 for description												
400.0	405.0	POSSIBLE DYKE? OR CHLORITIZED PART OF ABOVE RHYO-DACITIC TUFF												



MATTAGAMI LAKE MINES LTD.
 EXPLORATION DIVISION
 PROJECT: STURGEON LAKE-GROUP²³
 SECTION: LINE 97+00E
 D.D.H.# SL-23-71.18
 SCALE: 1" = 100 FEET
 DATE: 26 Aug. '71 DRW. BY: L.I.

From	To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE			ASSAYS						
					From	To	Length	Au	Ag	Zn	Cu	Pb		
241.4	252.0	META ANDESITE TUFF - CHLORITE SCHIST ? DYKE ?												
241.4	252.0	For description please see Page 2 For description see page two	NIL	19901	247.0	252.0	5.0	Nil	.06	.2	.03	.01		
252.0	259.0	RHYOLITIC MICRO AGGLOMERATE RHYOLITIC MICRO AGGLOMERATE	NIL	19902	252.0	257.0	5.0	Nil	Nil	.1	Tr.	Tr.		
252.0	259.0	Description on Page. DESCRIPTION ON PAGE.	LOST CORE		257.0	259.0	2.0		LOST	CORE				
258.0	347.6	ARHYOLITIC TO RHY-DACITIC TUFF	NIL	19903	259.0	264.0	5.0	Nil	Nil	Tr.	Nil	.01		
258.0	347.6	Description on page 2 and 3 ARHYOLITIC TO RHYO-DACITIC TUFF	NIL	19904	264.0	269.0	5.0	Nil	Nil	Nil	Nil	Tr.		
		DESCRIPTION ON PAGE 2 AND 3	NIL	19905	269.0	274.0	5.0	Nil	Nil	Nil	Nil	Tr.		
			NIL	19906	274.0	279.5	5.5	Nil	Nil	Nil	Nil	Nil		

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EXPLORATION DIVISION

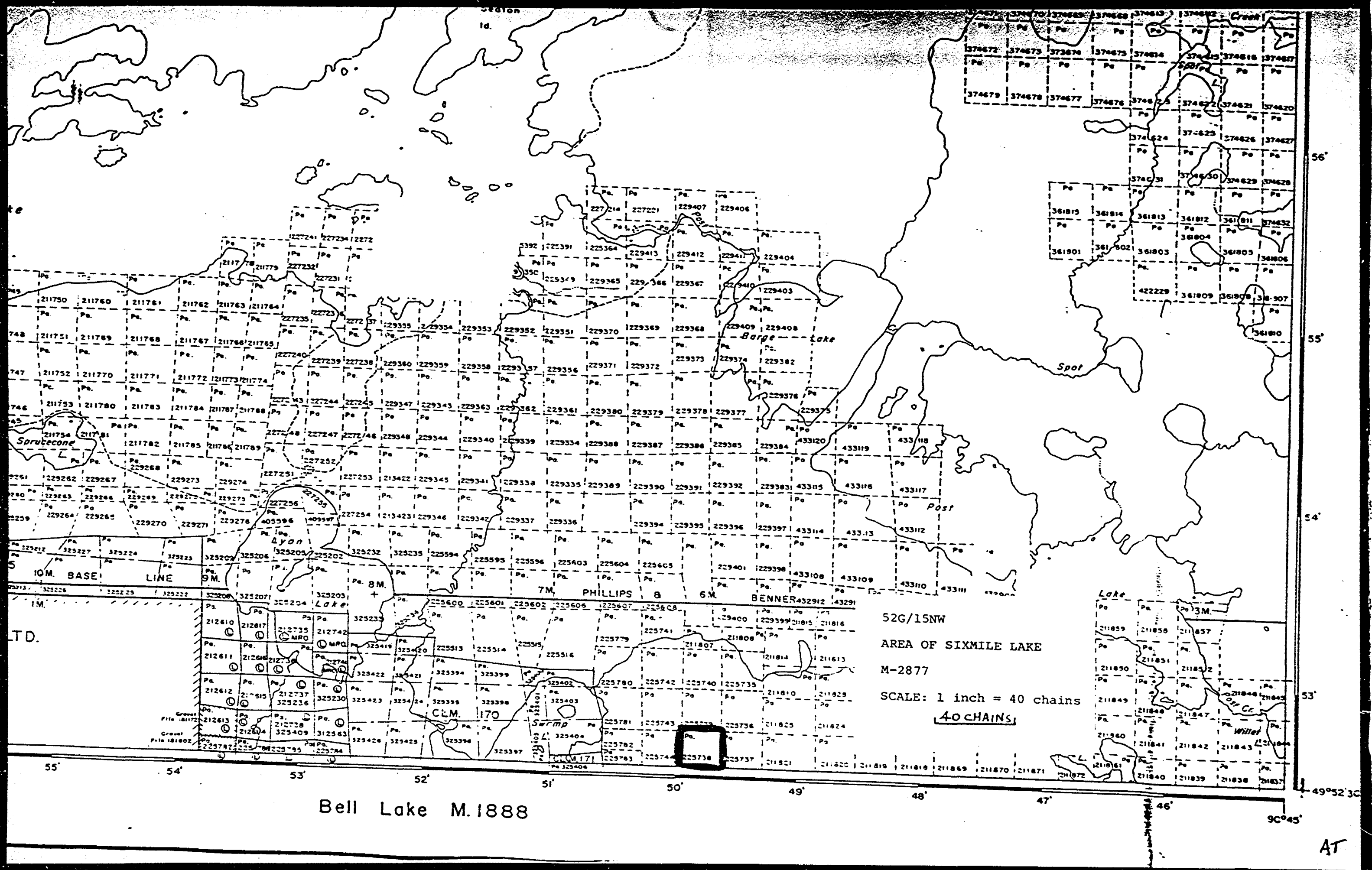
PROJECT: STURGEON LAKE-GROUP 23

SECTION: LINE 97+00 E.

D.D.H.# SL-23-71.19

SCALE: 1" = 100 FEET

DATE: 26 Aug. '71 DRW. BY: L.I.



Bell Lake M. 1888

52G/15NW
AREA OF SIXMILE LAKE
M-2877
SCALE: 1 inch = 40 chains
40 CHAINS

56°

55°

54°

53°

49°52'30"

90°45'

AT

FOR ADDITIONAL

INFORMATION

SEE MAPS:

52G/15NW-0021

|



PA 212614

PA 212738

PA 212739

MATTAGAMI LAKE MINES
NEW BRUNSWICK URANIUM (FALCONBRIDGE OPTION)

PA 225785

SL-23-71.19
(-50°)

SL-23-70.9
(-50°)

SL-23-71.18
(-50°)

SL-23-70.10
(-50°)

SL-23-70.11
(-48°)

SL-23-70.12
(-50°)

SL-23-71.13
(-50°)

SL-23-71.16
(-50°)

SL-23-71.15
(-50°)



52G/15NW-0021, #1 PA 225784

MATTAGAMI LAKE MINES LTD.
EXPLORATION DIVISION

PROJECT: STURGEON LAKE-GROUP '23'
SECTION: SURFACE PLAN
D.D.H.# SL-23-70.9, 10, 11, 12, 71.13, 15, 16, 18, 19.

SCALE: 1" = 100 FEET
DATE: 26/8/'71. DRW. BY: L.I.