42A01NE0138 72 TECK

DIAMOND DRILLING

TOWNSHIP: TECK

REPORT NO: 72

WORK PERFORMED FOR: Lac Minerals Ltd. (Macassa Div.)

RECORDED HOLDER: Same as Above (xx)
: Other ( )

Claim No.	Hole No.	Footage	Date	Note
L-1049060	89-1	122'	June/89	(1)
	89-2	125'	June/89	(1)

NOTES: (1) W8908-231, date filed Aug/89

BAC MINERALS LTD. / MACASSA DIVISION

DIAMOND DRILL LOG

Hole No. 89-1

Section		Depth	122'	Remarks	
Ref. Line		Dip	-45°	Logged By: M.W. Masson BSc	
Elevation		Core Size	X-Ray (7/8")		
Azimuth	180°	Purpose	Assessment-		
Location	Claim #L1049060		Test E-W, North Dipping		
Northing	35' South, 15'		shear in Pillowed		
Easting	West of #1 post		Komatiites		

Factor

Dip Test @

20 sc E		
20 sc G		
100 sc P		
20 sc X		
20 sc L		
100 sc L		

Footage

CORE

From	To	Description	From	TO	Total	Sample No.	Ozs.
0	4'	Casing					
4	35'	Light grey-green v.f.g. pillow volcanics, hyaloclastite, pseudo-brecciated hyaloclastite with minor, late rusty limonitic infilling in open space ~~fill~~ cavities.					
35	36.5	Limonitic staining and qtz veining within sericitized volcanics 36.0-36.5 - Blue-grey qtz vein with < 0.5% fine py.	35	36.5	1.5	28005	
36.5	46.5	Slightly more massive, fine-grained volcanics and hyaloclastite with narrow qtz stringers and sericite.	36.5	38.3	1.8	28006	
46.5	52	Sheared-sericitized volcanics - v.f.g. yellow-green, sericitized vol. with 10-15% narrow (<1") qtz stringers. Well developed sericite schist @ 48-49' with 0.5% coarse, euhedral py.	47	49	2.0	28007	
52	87	Graphitic Zone - v.f.g. volcanics + hyaloclastite with irregular graphitic masses and blebs up to 4" wide, with very minor blebby py.	68	71.8	3.8	28008	
			79	80.2	1.2	28009	

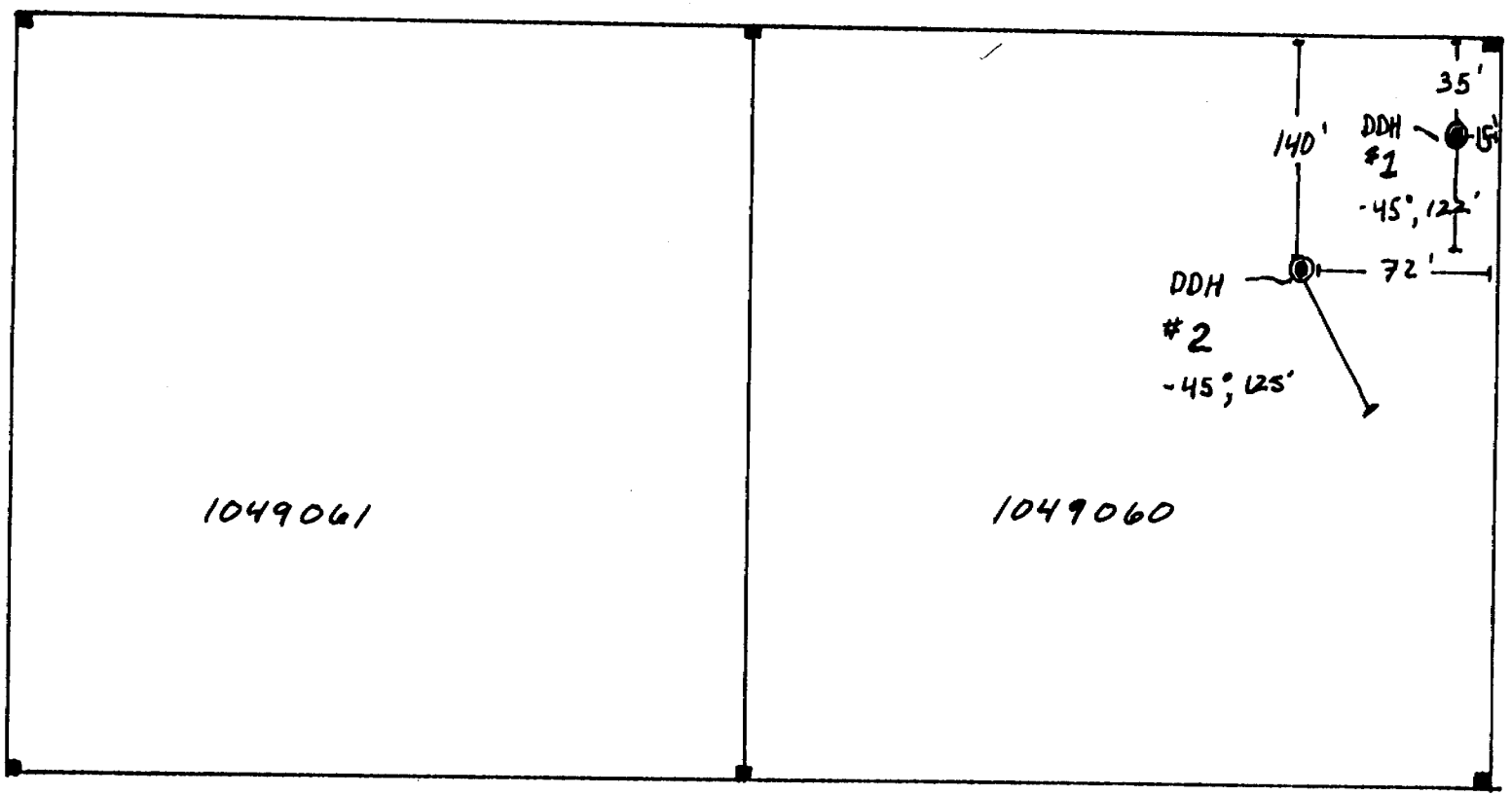
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LAC MINERALS LTD./MACASSA DIV.
DIAMOND DRILL LOG

Hole No. 89-1

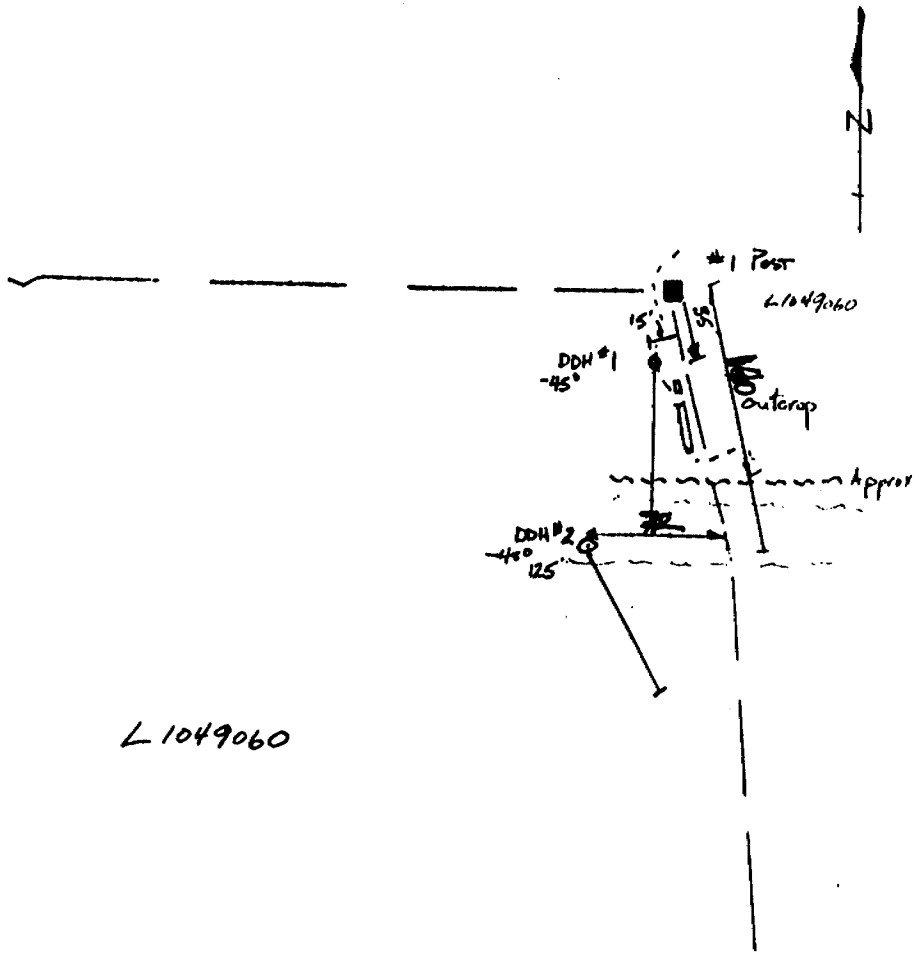
X-RAY DRILL - 7/8"

Footage From	Footage To	Description	From	To	Total	Sample No.	Ozs.
81	100	Sericitized Volcanics - v.f.g. foliated @ 50° tca with very minor, 1/8"-1/4" qtz stringers and patchy, blebby py. - some sections (91-94, 97-99') contain noticeable 'qtz eyes' up to 5%, avg. 1-2mm in size - possibly zeolites with noticeable dark ring around outer edge.	80.2	84	3.8	28010	
100	122	Massive to weakly foliated, fine-grained volcanics with very minor, blebby py	120	122	2.0	28011	
121	122	Rubbly - sheared zone with sericite - qtz - minor py.					
122	EOH						



* CLAIMS SHOWN NOT TO SCALE

LAC MINERALS - NORTH GAP.
1"=100'
DDH SKETCH



L 1049060

DIAMOND DRILL LOG

Hole No. 89-2 Pg. 0

Section		Depth	125'	Remarks		Factor	
Ref. Line		Dip	-45°	Logged By - M.W. Massa B.Sc.		Dip Test @	
Elevation		Core Size	X-Ray - 7/8"				
Azimuth	150°	Purpose	Assessment -				
Location	Claim #L1049060		Test E-W Trending				
Northing	140' South, 72'		Shear in Kinojevis -				
Easting	West of #1 Post						

20 sc E		
20 sc G		
100 sc P		
20 sc X		
20 sc L		
100 sc L		

Footage

From	To	Description	CORE From	CORE TO	CORE Total	Sample No.	Ozs.
0	3	CASING - KINOSEVIS VOLCANICS					
3	13	V.f.g. light, grey-green volcanics and hyaloclastite with very minor sericite and narrow (< 1/4") qtz stringers.					
13	14	Sheared - sericitic volcanics with minor narrow qv's and late limonitic staining - Foliated @ 55° tca					
14	17	LOST CORE					
18.7	19	Vuggy (late) drusy qtz pod					
19	20.8	LOST CORE					
21	23	Sericitic volcanics with late, drusy white qtz and microfractured (early) qtz ± albite veinlets with very minor py.	21	23	2.0	28012	
23	24	LOST CORE	[redacted]	[redacted]			
24	25.2	Foliated to sheared volcanics with 1% fine sub-euhedral py.	[redacted]	[redacted]	[redacted]	[redacted]	
25.2	29.5	As above but very rubbly core with minor graphite, qtz + 1% py.	24	29.5	5.5	28013	
29.5	30	LOST CORE					
30	33	Massive fine-grained volcanics					
33	34	Sheared, rubbly core with patchy graphitic zones					

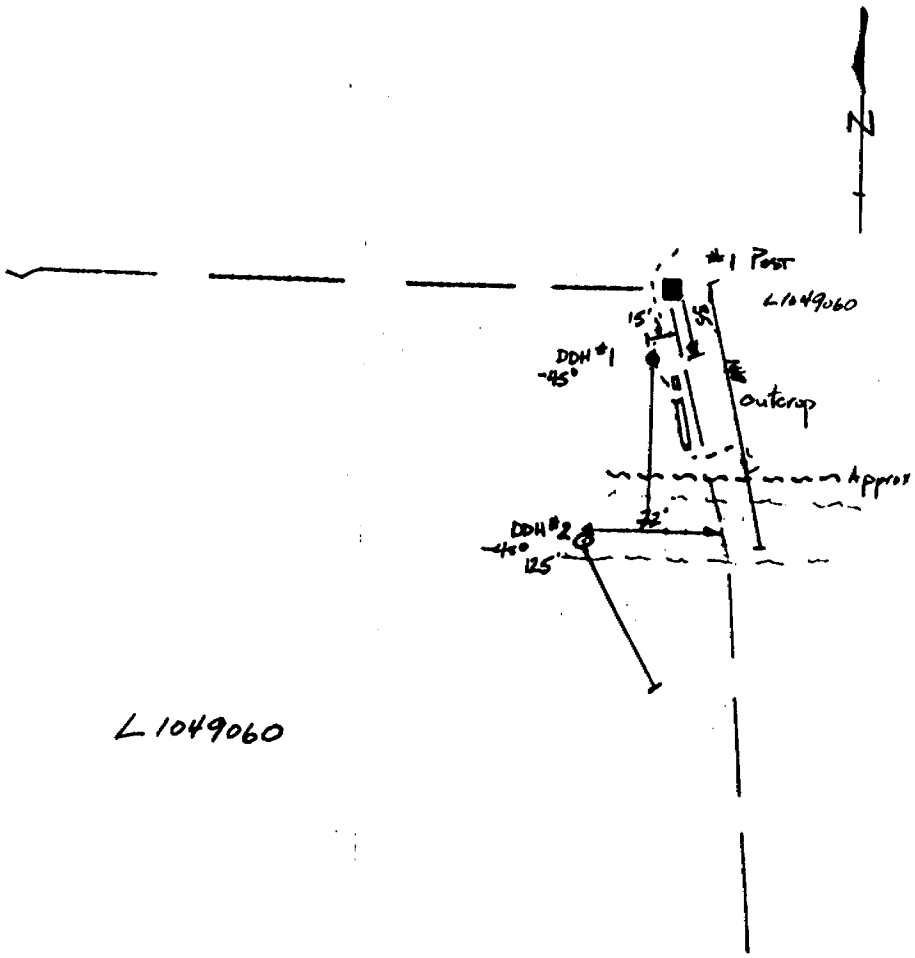
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LAC MINERALS LTD./MACASSA DIV.
DIAMOND DRILL LOG

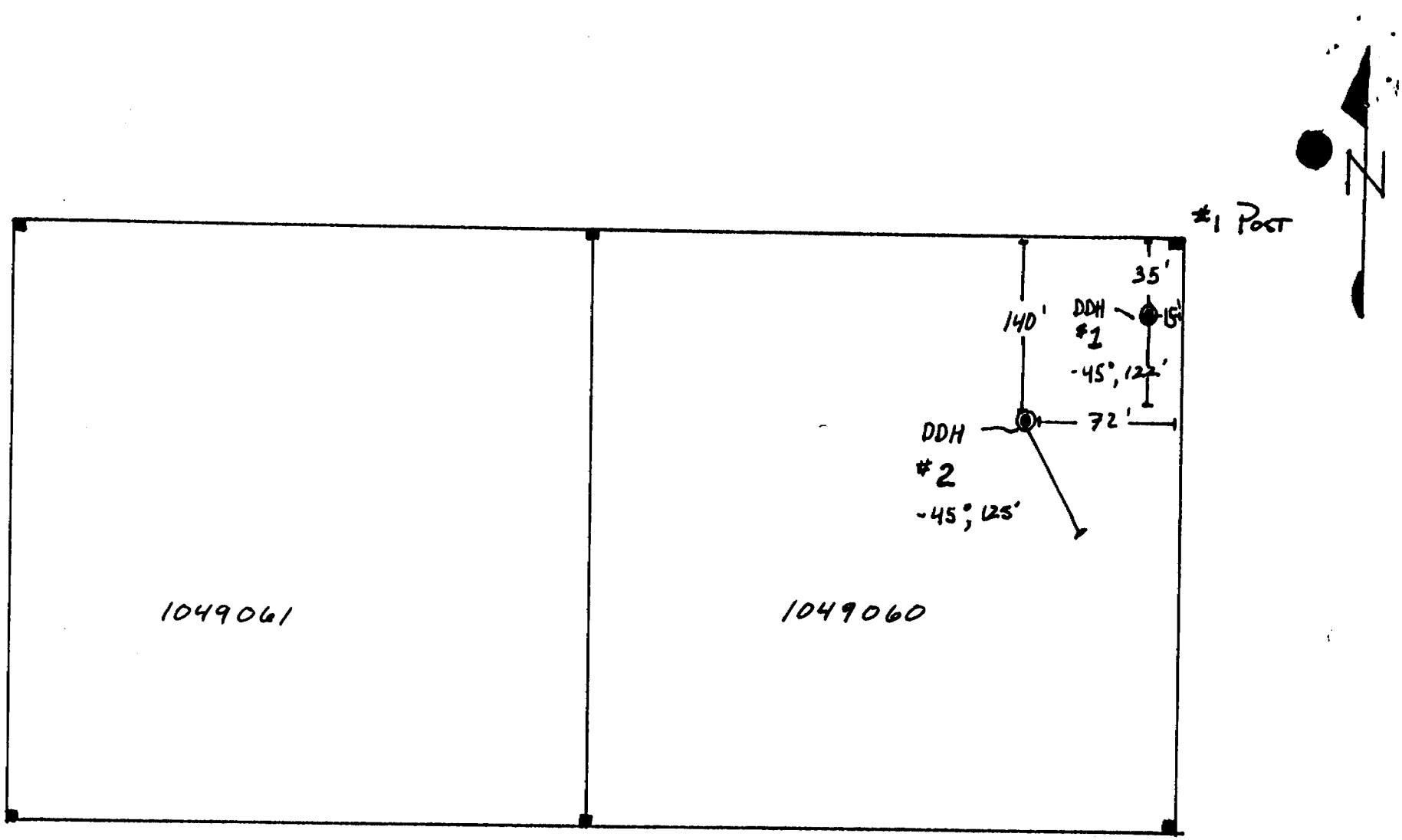
Hole No. 89-2

Footage From	Footage To	Description	From	To	Total	Sample No.	Ozs.
34	37	Massive, v.f.g. volcanics with patchy graphite blebs + limonite staining.					
37	39	LOST CORE					
39	42	Massive volcanics with minor blebby py.					
42	43	LOST CORE					
94	66.5	Rubbly Core - generally massive, non-mineralized volcanics					
66.5	70	LOST CORE					
70	74	'Qtz Eyes' in v.f.g. volcanics - up to 3mm in size, avg. 5% - possibly zeolite infilling + also contains very minor blebby py					
80	125	- Unit becomes more massive, f.g. dark green volcanics with late calcite and epidote veinlets					
99	102	LOST CORE					
125'	EOH						

LAC MINERALS - NORTH CAP.
1"=100'
DDH SKETCH



L 1049060



* CLAIMS SHOWN NOT TO SCALE

Ministry of Northern Development and Mines

Ontario

Report of Work

DOCUMENT W8908.

Mi

42A01NE0138 72 TECK

900

W8908.231

Name and Postal Address of Recorded Holder

LAC Minerals Ltd (Macassa Div.) 1664

P.O. Box 550, Kirkland Lake, Ont. P2N 3J7

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
247	L	1049060	120 (124)	[redacted]					
for Performance of the following work. (Check one only)	[redacted]	1049061	120 (123)						
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

All the work was performed on Mining Claim(s): L 1049060

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

ROBERT KOSY DRILLING
1-16 STATION RD.
KIRKLAND LAKE, ONT. 567-4739
7/8" ([redacted]) - BACKPACK DRILL - Date Drilled June 5-15/89
TOTAL DRILLING HOLE # 89-1 122'
89-2 125'
TOTAL 247' - 247 DAYS

LARDER LAKE MINING DIV. RECEIVED JUN 19 1989 AM 3 05 PM 7 8 9 10 11 12 1 2 3 4 5 6

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE JUN 19 1989 RECEIVED

Date of Report	Recorded Holder or Agent (Signature)
June 19/89	George Bowcock

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

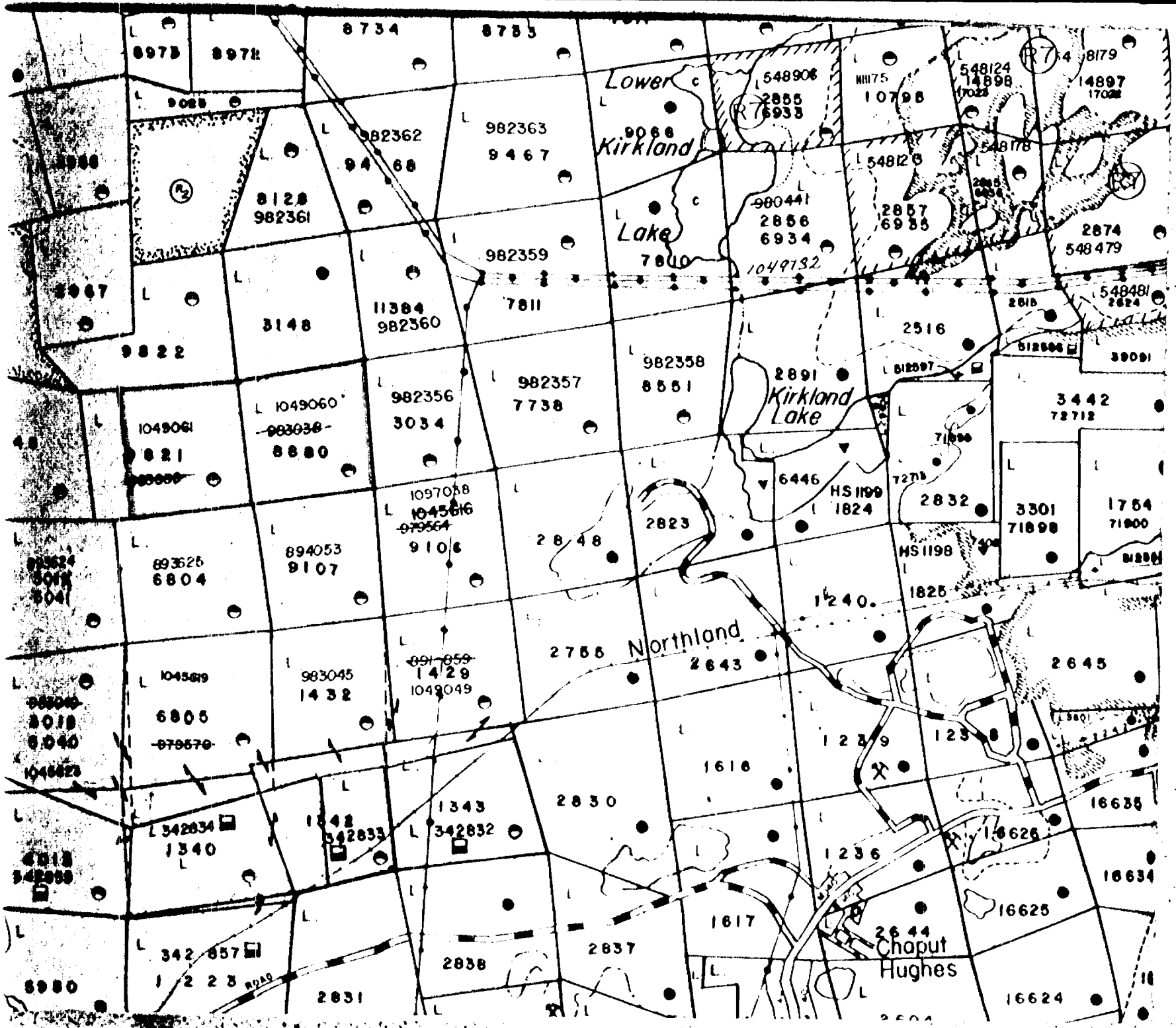
M.W. MASSON BOX 1343 KIRKLAND LAKE, ONT P2N 3P2

Date Certified	Certified by (Signature)
June 19/89	M.W. Masson

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (85/12)


Lower Kirkland Lake
Kirkland Lake
Northland
Chaput Hughes
8734
8735
982362
982363
9467
982359
7811
982360
982358
8551
982357
7738
982356
3034
8128
982361
3148
11384
2516
2891
3442
72712
6446
HS1199
1824
2832
3301
71898
1764
71900
2823
2848
HS1198
1825
1240
2755
2643
2645
1618
2830
1343
1340
2838
2837
1617
2644
16625
16624
16626
16634
16635
2831
8980

Ministry of Northern Development and Mines

Ontario

Report of Work

DOCUMENT W8908.

W8908.231

42A01NE0138 72 TECK

900

Name and Postal Address of Recorded Holder

LAC Minerals Ltd (Macassa Div.) 1664

P.O. Box 550, Kirkland Lake, Ont. P2N 3J7

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for Performance of the following work. (Check one only)	L	1049060	120 (124)	[redacted]					
☐ Manual Work	[redacted]	1049061	126 (128)	[redacted]			[redacted]		
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

All the work was performed on Mining Claim(s): L 1049060

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

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1-16 STATION RD.
KIRKLAND LAKE, ONT. 567-4739
7/8" ([redacted]) - BACKPACK DRILL - Date Drilled June 5-15/89

TOTAL DRILLING HOLE # 89-1 122'
89-2 125'
TOTAL 247' - 247 DAYS

LARDER LAKE MINING DIV. RECEIVED JUN 19 1989 AM 3:05 PM 7 8 9 10 11 12 1 2 3 4 5 6

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE JUN 19 1989 RECEIVED

Date of Report	Recorded Holder or Agent (Signature)
June 19/89	George Bowcott

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

M.W. MASSON BOX 1343 KIRKLAND LAKE, ONT P2N 3P2

Date Certified	Certified by (Signature)
June 19/89	M. Masson

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768 (85/12)


Lower
Kirkland
Lake
7800
Kirkland
Lake
Northland
Chaput
Hughes
982363
9467
982359
7811
982360
982358
8551
982357
7738
982356
9034
2891
2516
3442
72712
2832
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Toe & Top