



32005SW0004 22 CLIFFORD

DIAMOND DRILLING

TOWNSHIP: CLIFFORD

REPORT NO: 22

WORK PERFORMED FOR: Lac Minerals Ltd.

RECORDED HOLDER: SAME AS ABOVE (xx)

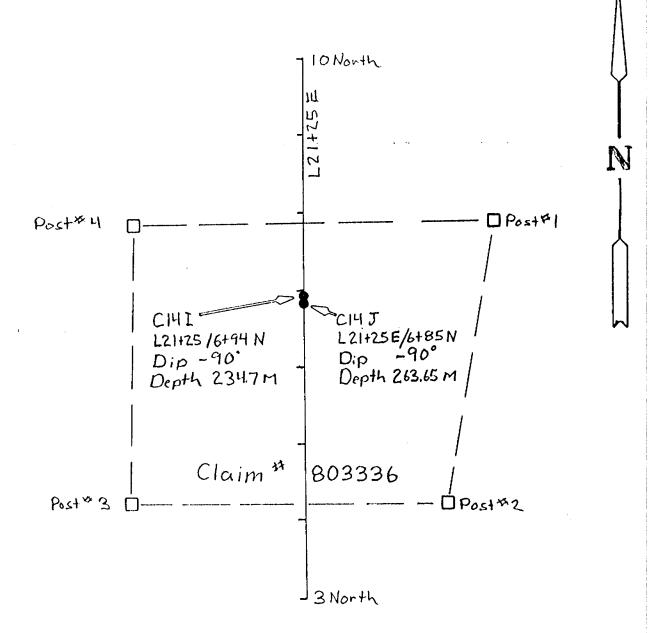
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 CLAIM NO.
 HOLE NO.
 FOOTAGE
 DATE
 NOTE

 L803336
 C14J
 263.65m
 Jan-Feb/88
 (1)

 C14I
 234.7m
 Jan/88
 (1)

NOTES: (1) # W8908.337, filed Nov/89



Drill Hole Location Plan Grid CIH Clifford Twp. Ont. Scale 1:5000

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Lac Minerals Exploration - Drill Hole Summary | Location -----: Property : GRID C-14 | Line : L21+25E Hole No. : C14J ! Station : 6+85n : Logged By : John Kovala | Length : 263.65 : February 1988 : Units : metres : Dip : -90° : Hole Type : DDH ! Start Date : January 22nd, 1988 | Azimuth : 0° ; End Date : February 9th, 1988 |-----| Elevation -------: Core Size : SHR : Collar : · | Recovery : 98% : Bottom : Target : :Assav Cert No Hole: C14J Survey Data :No Survey Data

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Lac Minerals Ltd Drill Hole: C14J Project: Target: Geological and Assay Data Property: GRID C-14 Au Assay (Core) : Sample 1st Pulp 2nd Pulp Au ! 1X From : Number To metres ppb ppb ppb t dag

0.00 47.70 OVERBURDEN

0 - 15.24 Muskeg, Lower Down
- some sand and gravel

15.24 - 33.53 Large Boulders and Coarse Gravel

33.53 - 42.98 Basal Till? Gravel and Clay

42.98 - 45.72 Solid Compact Basal Till

Drillers indicate bedrock intersected at 45.72. Drill to 47.7 before core is recovered.

Casing left in the hole

47.70 263.65 ULTRAMAFIC BRECCIA Very similar to Hole C14J

This rock consists of a heterogeneous mixture of 17 to 31% fragments in a dark grey green serpentized matrix. Fragments range in size from 0.4cm to 1.2meters but the larger blocks are rare. Most are 0.4 to 10cm in diameter, very few are > 10cm. Fragment colour varies from light green and white to black. They range from fine grained to medium grained and are occasionally intensely serpentized and soft.

The matrix is fine grained and intensely serpentized. Carbonate is abundant throughout. Olivine is abundant throughout the matrix as phenocrysts upto 0.8cm in diameter but is most common in the 1 to 2mm range. Most have been serpentized black and only pseudomorphs remain or they have been leached away.

Carbonate occurs occasionally as stringers and veins throughout the section.

158.50 - 158.80 Fault Zone Ground Core Clay Ar

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!	Lac Minerals Ltd	Drill Hole : C14	Project:		Target :	1
1	Geological and Assay Data		Property: GRID C-14			;
¦===					***************	***************************************
;			:		Au Assay (Core)	: Sludge :
1			: Sample		1st Pulp 2nd Pulp 0z/	i Au i
١X	From To	Remarks	l Number From 1	To metres	s ppb ppb ppb ppb Ton	l From To ppb l

160.32 - 160.93 Broken Core

161.69 - 161.84 Broken Core

176.78 - 177.69 Fault Ione and Ground Core at 0 to 10° to Core Axis

203.91 - 204.51 Broken Core

208.36 Irregular altered zone 1 to 4cm wide. Breccia fragments 0.4 to 1cm in diameter are altered to a dirty brownish green.
The matrix is altered white. Minor Carbonate.

216.10 - 216.40 Broken Core

217.32 - 217.47 Broken Core

220.06 - 220.31 Broken Core

237.40 - 244.29 Ground Core
along sheared zone @ 15° to Core Axis

237.44 - 246.73 Very soft altered core sheared at 10 to 20° to Core Axis

263.65 263.65 End of Hole

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_________ Lac Minerals Exploration - Drill Hole Summarv ! Location -----: Project : Property : GRID C-14 ! Line : L21+25E : Station : 6+94N : Hole No. : C14I : Length : 234.7 : Logged By : John Kovala : January 1988 : Units : metres : -90° ; Dip : Hole Type : DDH : Azimuth : 0° : Start Date : January 7th, 1988 : End Date : January 21st, 1988 : Core Size : SHR : Collar : : Recovery : 98% : Bottom : : Target : :Assay Cert No _______ Hole: C14I Survey Data Dip Type Remarks : Distance INo Survey Data

42

0.00 44.50 DVERBURDEN

0 - 19.81 Muskeg - clay

19.81 - 32.95 Boulders and coarse gravel. Large boulders encountered throughout

32.95 - 44.50 Basal Till

 hard and compact containing numerous fragments in a clay matrix

Casing left in hole.

- 44.50 44.80 ULTRAMAFIC BRECCIA
 - same as 45.41 to 234.70
- 44.80 45.41 SAND AND SRAVEL
- 45.41 234.70 ULTRAMAFIC BRECCIA

This rock contains 22 to 32% fragments ranging in size from 0.4 to 9cm. Fragments > than 9cm in diameter are rare. Most range from 0.4 to 2cm. Fragment colours vary from light green and white to black. They are fine to medium grained and are occasionally intensely serpentized and soft.

The ground mass has been moderate to intensely sepentized and is medium to dark grey green containing abundant olivine phenocrysts 1 to 2mm in diameter. Most olivines have been serpentized and are black, only pseudomorphs remain or they have been completely leached away.

Minor carbonate veins and stringers <0.5%. No sulphides.

147.82 - 148.59 Ground Sheared Core

- Sheared at 20° to Core Axis
- @ 147.82 carbonate vein at 20° to Core Axis

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149.19 2cm wide shear @ 20° to Core Axis

151.19 - 152.10 Broken Core

 sheared and fractured parallel to Core Axis and at 20° to Core Axis

157.58 - 157.10 Carbonate Veins

- # 30° and parallel to Core Axis. Rock is extremely soft.

160.32 - 162.15 1cm Carbonate Vein

- parallel to Core Axis

160.93 - 161.59 Ground Core

161.60 - 162.15 Sheared @ 35° to Core Axis

170.07 - 174.34 Sheared and fractured

 Carbonate veins and masses throughout.
 Most veins are parallel to Core Axis or at a high angle to the Core Axis

174.09 - 174.34 Carbonate Vein

- parallel to Core Axis

234.70 234.70 End of Hole

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NOLD TWD. M-371

Clifford Tup

DATE RECEIVED MARCH 2 389







Mining Act

Report of Work

Prospector's Licence No.

900

Name and Address of Recorded Holder LAC Minerals Ltd. T-664 2 18.2 Telephone No. 6 Al Wende Avenue, P.O. Box 670, KIRKLAND LAKE, Ont. P2N 3K1 (705)-567-5656

Mining Division		Mining Claim			Mining Claim	Work	Mining Claim		Work	
Larder Lake	Prefix	Number	Days Cr.	Prefix	Number	Days Cr.	Prefix	Number	Days Cr	
Township or Area Clifford	L	803325	40	· L	803336	40	L	983106	140	
Total Assessment Credits Claimed		803326	40		803337	40		983107	140	
Type of Work Performed		803327	40		803338	40		983108	140	
(Check one only)		803328	40		803339	40				
Manual Work		803329	40		803340	40				
Shaft Sinking Drifting or other Lateral Work		803330	32		803341	40				
Mechanical equipment		803331	40		803342	40				
Power Stripping other than Manual (maximum credit allowed - 100 days per claim)		803333	40		918236	80				
Diamond or other Core drilling		803334	40		918237	80				
Core Specimens		803335	40		918238	80				

Dates when work was performed	To	otal No. of D	ays Performed	Total No.	of Days Claimed	Total No. of Days to be Claimed at a Future Date			
From: January 7/88 To: February 9	/88	1635	5	133	2	FUIUTO DE	3:03		
All the work was performed on Mining Claim(s):	Mining Claim	No. of Dave	Mining Claim	No. of Dave	Mining Claim	No. of Dave	Mining Claim	No. of D	
* (See note No. 1 on reverse side)	803336	1635	wanting Claim	l o o Days	witting Claim	livo. Or Days	Willing Claim	10.00	
Mining Claim No. of Days Mining Claim No. of Days N	fining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of D	

Required Information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side) If space below is insufficient, attach schedules with required information and location sketches Duplicate logs and location sketches submitted with Report of Work. Drilling Company Tonto Drilling Services 2701 West 900 South SAULT LAKE CITY, U TONTARIO GEOLOGICAL SURVEY United States, 84104 ASSESSMENT FILES ASSESSMENT FILES OFFICE. Hole Location C14I L21+25E/6+94N -90° Dip NOV 02 1989 770' = 770 days Depth

RECEIVED Hole Location C14J L21+25E/6+85N -90° Dip Depth 865' = 865 days

C14I (770') + C14J (865') = 1635 days - 1332 days applied = 303 days banked

Certification of Beneficial Interest * (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder. October 5, 1989

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 Address of Person Certifying

John Kovala, P.O. Box 334, KIRKLAND LAKE, Ontario P2N 3J1

Certified By (Signature) Telephone No. Date (705)-567-5495 October 5, 1989

For Office Use Only

Work Assignments Received Stamp Days Recorded Balance R.H. Claim N म्ब्रिक्स स्टिश्निक्स मार्थित है। र-2-803336 - capersanounds 00T 1 3 1989 301393 LARDER LAKE