



52K13SE0023 31 DIXIE LAKE

010

DIAMOND DRILLING

AREA: DIXIE LAKE AREA

REPORT NO: # 31

WORK PERFORMED FOR: NATIONAL TRUST COMPANY

RECORDED HOLDER: SAME AS ABOVE

: OTHER

CLAIM NO.
1023078

HOLE NO.
IL-35

FOOTAGE
305.0 M

DATE
FEB/90

NOTE
(1)

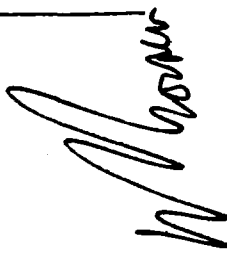
NOTE:

TECK EXPLORATIONS LIMITED DIAMOND DRILL LOG

Hole DL-35
Sheet 1 of 2

Job <u>1562</u> N.T.S. <u>52 K/13</u> Property <u>Mutual Resources - Dixie Lake</u> Township <u>Dixie Lake Area</u> Location: Line <u>8+50mN</u> Station <u>4+25mE</u> Elevation _____ Logged <u>Jim Janzen</u>	Objective <u>To Test A Magnetic Anomaly</u> Drilling Co. <u>N. Morissette</u> Commenced <u>February 20, 1990</u> Completed <u>February 21, 1990</u> Length <u>305.0 feet</u>	Core Location <u>Balmertown-Mungessor</u> Road _____ Distance to Water <u>700 feet</u> Casing Lost <u>None</u> Core Size <u>BQ</u>	Tests At Collar _____ <u>100.0'</u> Dip <u>-50°</u> Azimuth <u>240°</u> <u>200.0'</u> <u>-47°</u> _____ <u>300.0'</u> <u>-41½°</u> _____ <u>-24°?</u> <u>bad test</u>
Remarks <u>Banded iron formation intersected between 166.5 to 172.2 feet.</u>			

Depth (ft)	Rock Type		Description	Sample No.	From	To	Length (ft)	Au oz/ton
	From	To						
0	59.0	OVERBURDEN	Dark green, weakly foliated at 48-53° to core axis, generally massive. Very fine to coarse-grained, amphibole >70% in coarse sections. Weak pervasive chlorite alteration. Local coarse "pink" garnetiferous sections. Local sections of carbonate alteration. 5% magnetite locally, local concentrations of pyrrhotite, pyrite, chalcopyrite and sphalerite. 82.6-84.0 - Unmineralized quartz vein at 54° to core axis. 136.0-139.0 - Mafic flow; 1% pyrite. 139.0-141.0 - Mafic flow; 2% pyrite stringers at 50° to core axis. 141.0-142.8 - Mafic flow; 4% pyrite stringers at 50° to core axis. 2% chalcopyrite, trace to 1% magnetite. 142.8-144.1 - Strong carbonate alteration, light grey, 10% pink garnet, 15% pyrite, 2% chalcopyrite. Moderately sheared at 51° to core axis. Upper and lower contact at 50° to core axis. 144.1-146.5 - Mafic flow, weakly magnetic, 3% coarse pink garnet. 5% pyrite stringers at 45-56° to core axis. Trace to 1% chalcopyrite + arsenopyrite. 146.5-149.1 - 80% carbonate alteration, light grey, strong upper and lower contacts at 48-50° to core axis. 5% coarse pink garnet. 3-5% coarse magnetite, 2% pyrite. 149.1-150.0 - Mafic flow. Minor carbonate and garnet; 1-2% pyrite. 150.0-152.0 - Mafic flow; trace pyrite. 156.7-157.7 - Mafic flow. 157.7-159.8 - Mafic flow with a 12" quartz vein at 20° to core axis (6" true). 10% pyrite and trace chalcopyrite on upper and lower contacts, vein is unmineralized).	F4872	136.0	139.0	3.0	<0.002
59.0	166.5	MAFIC FLOW		F4873	139.0	141.0	2.0	<0.002
			F4874	141.0	142.8	1.8	<0.002	
			F4875	142.8	144.1	1.3	<0.002	
			F4876	144.1	146.5	2.4	<0.002	
			F4877	146.5	149.1	2.6	<0.002	
			F4878	149.1	150.0	0.9	<0.002	
			F4879	150.0	152.0	2.0	<0.002	
			F4880	156.7	157.7	1.0	<0.002	
			F4881	157.7	159.8	2.1	<0.002	



Depth (ft)		Rock Type	Description	Sample No.	From	To	Length (ft)	Au oz/ton
From	To							
166.5	172.2	BANDED IRON FORMATION	159.8-162.0 - Mafic flow. 162.0-166.5 - Mafic flow. Black - light grey-cream bands, banded at 45-50° to core axis. Strong upper and lower contacts at 50° to core axis. Unit is strongly magnetic with 40% black magnetite bands 1/8" to 1/2" thick. 60% of unit is comprised of light grey-cream felsic cherty bands. Trace pyrite throughout. 166.5-169.0 - <5% magnetite bands, 5% quartz-carbonate stringers at 50° to core axis. Trace pyrite. 169.0-171.0 - Banded iron formation. 171.0-172.2 - Banded iron formation.	F4882 F4883	159.8 162.0	162.0 166.5	2.2 4.5	<0.002 <0.002
172.2	186.5	MAFIC FLOW	Same as 59.0-166.5. 172.2-174.0 - Mafic flow.	F4884	166.5	169.0	2.5	0.013
186.5	305.0	FELSIC ASH TUFF/FLOW	Light grey-cream, weak light green tint throughout. Massive appearance with a weak pervasive foliation at 48-54° to core axis. Strong upper contact at 49° to core axis. Aphanitic, pervasive weak green sericite alteration. Local quartz-carbonate stringers. Local sections with a strong red tint - potassic and/or hematite alteration, trace pyrite locally. 195.0-203.0 - Weak to moderate red tint, potassic alteration? 245.0-261.0 - Blocky ground with red tint. 256.0-257.2 - As above. 257.2-260.0 - 60% quartz-carbonate vein material at random angles to core axis. Section appears brecciated; 5% pyrite. 260.0-261.0 - Felsic tuff/flow; red tint. 266.8-268.3 and 269.2-270.1 - Two mafic dykes (mafic volcanic?) at 50° to core axis. 271.5-271.7 - Sericitic fault gouge at 30° to core axis.	F4885 F4886	169.0 171.0	171.0 172.2	2.0 1.2	<0.002 <0.002
305.0		END OF HOLE		F4887	172.2	174.0	1.8	<0.002
				F4888 F4889	256.0 257.2	257.2 260.0	1.2 2.8	<0.002 <0.002
				F4890	260.0	261.0	1.0	<0.002
			Foliations - 100.0' at 50° to core axis (very weak). 150.0' at 52° to core axis. 200.0' at 52° to core axis. 250.0' at 50° to core axis. 300.0' at 60° to core axis.					

W. J. Baker

afro



52K13SE0023 31 DIXIE LAKE

900

Mining Act Report of Work

Name and Address of Recorded Holder National Trust Company 21 King Street East, Toronto, Ontario M5C 1B3	Inspector's License No. T1164 Telephone No.
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Summary of Distribution of Credits and Work Performance

Mining Division Red Lake	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
Township or Area Dixie Lake Area	KRL	1023073	-	1	KRL	1056792	-	1	KRL	1057199	-	40
Total Assessment Credits Claimed 305	KRL	1023076	-	1	KRL	1056799	-	1	KRL	1057202	-	15
Type of Work Performed (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work <input type="checkbox"/> Mechanical equipment <input type="checkbox"/> Power Stripping other than Manual (maximum credit allowed - 100 days per claim) <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Core Specimens	KRL	1023078	-	22	KRL	1056806	-	1				
	KRL	1023080	-	15	KRL	1056807	-	1				
	KRL	1023082	-	1	KRL	1056811	-	40				
	KRL	1023098	-	1	KRL	1056813	-	1				
	KRL	1023099	-	1	KRL	1056817	-	39				
	KRL	1023100	-	1	KRL	1056818	-	14				
KRL	1023104	-	14	KRL	1056847	-	40					
KRL	1023105	-	40	KRL	1056852	-	15					

Dates when work was performed From: Feb. 20/90 To: Feb. 21/90	Total No. of Days Performed 305	Total No. of Days Claimed 305	Total No. of Days to be Claimed at a Future Date ---
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All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)		Mining Claim 1023078	No. of Days 305	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

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

Drilled by N. Morissette Ltd., Haileybury, Ontario

From Feb. 20/90 to Feb. 21/90

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.	Date Aug. 27/90	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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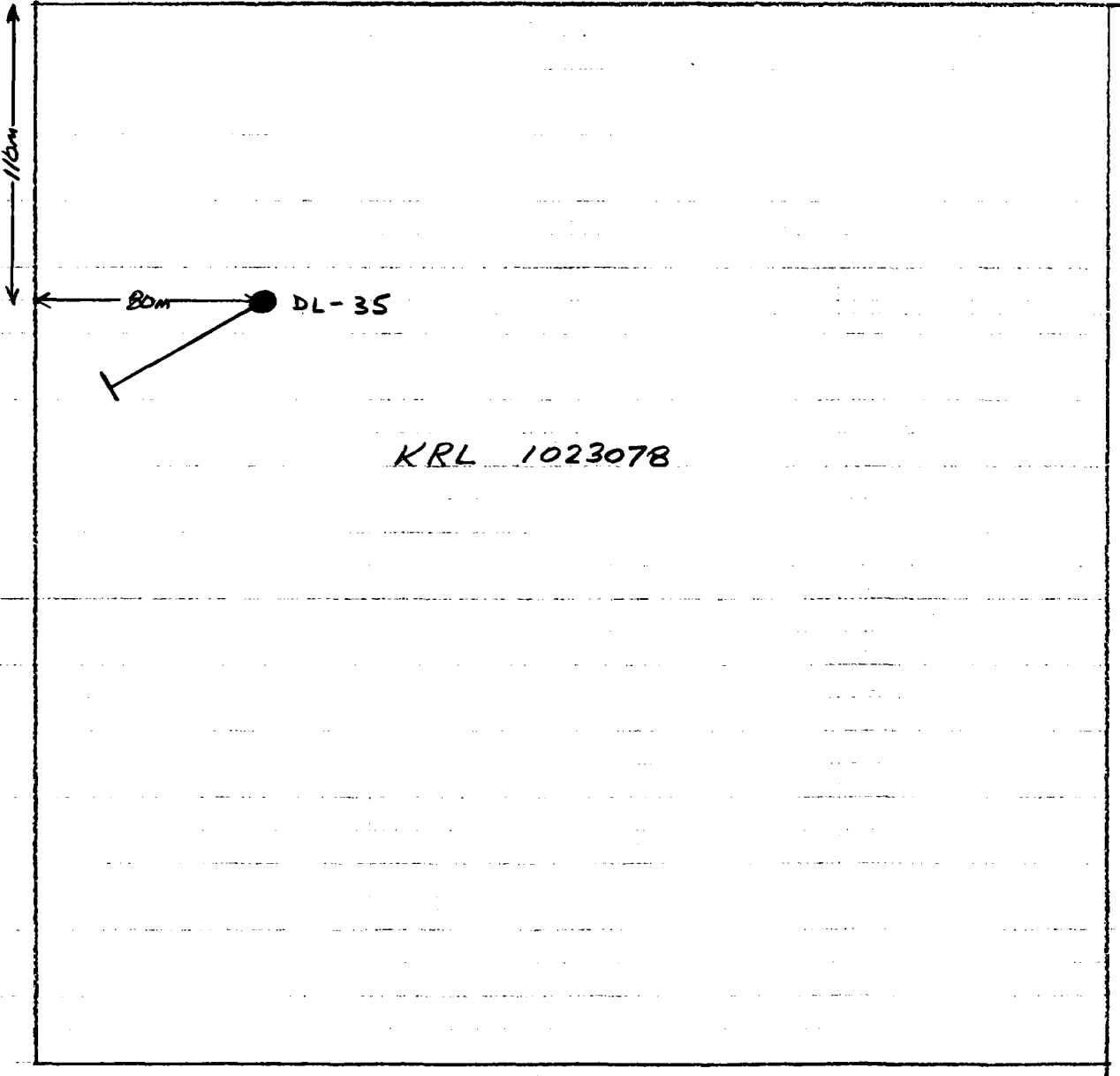
Certification Verifying Report of Work

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 K. Thorsen, 2189 Algonquin Avenue, North Bay, Ontario P1B 4Z3	Telephone No.	Date Aug. 27/90	Certified By (Signature) <i>[Signature]</i>
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For Office Use Only

Work Assignments	Received Stamp <i>[Stamp]</i>
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KRL 1023078

SCALE 1:2500

Norandu Expl.

DL-35

C. Huston

G. Desmeules et al

Dalton

LAKE

DIXIE

G. Desmeules et al

DIXIE LAKE AREA

1" = 2640'

DIXIE CR.

