



41P15NE8329 16 CAIRO

010

Diamond Drilling

Township CAIRO

Report NO 16

Work performed by: COMSTATE RESOURCES LTD.

Claim NO	Hole NO	Footage	Date	Note
L 650116	C-1	593'	May/84	(1)
L 757833	C-2	200'	May/84	(1)
L 757834	C-3	203'	May/84	(2)

Notes: (1) #141 - 85

(2) #140 - 85



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MINISTRY OF NATURAL RESOURCES

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GEOLOGY BRANCH

REPORT
on the
Diamond Drill Program
for
GRAND SAGUENAY MINES AND MINERALS LIMITED
COMSTATE RESOURCES OPTION
Cairo Township
Matachewan Area
Larder Lake Mining Division, Ontario

by
Nadia Cairra, B. Sc.

Robert S. Middleton Exploration Services Inc.
P.O. Box 1637
Timmins, Ontario P4N 7W8
November, 1985



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INTRODUCTION

A diamond drill program consisting of three "BQ" diamond drill holes totalling 996 feet was conducted on the property optioned to Grand Saguenay Mines and Minerals Limited from Comstate Resources Limited. Drilling commenced May 12, 1984 and was completed on May 21, 1984. The Property is located in southern Cairo Township, and is traversed by Highway 66 connecting Matachewan to the Trans-Canada Highway No. 11, approximately 20 miles to the east.

The drilling program by Grand Saguenay was to test IP anomalies. The diamond drilling was carried out by Norex Drilling Limited of Porcupine, Ontario. Drill core was logged and sampled by Roberta Bald, B.Sc., M.Sc. of Robert S. Middleton Exploration Services Inc., Timmins, Ontario.

DDH C-1

Hole Depth	593 feet
Azimuth	330°
Dip	-45°
Location	L0, 6+00'S
Claim Number	L650116

This hole intersected mafic metavolcanics and gabbros as well as a series of associated interflow chemical sediments (cherts). The chert zones were sulphidic and are associated with adjoining carbonate zones containing disseminated pyrite and green mica.

Although mineralized core was extensively sampled (107 samples) the highest gold value obtained was only very weakly geochemically anomalous (69 ppb Au).

DDH C-2

Hole Depth	200 feet
Azimuth	330°
Dip	-45°
Location	5+32'N, 13+75'E
Claim Number	L757833

This hole intersected mafic syenite and gabbro for its entire length. Some disseminated pyrite and hematitic zones were noted and sampled (5 samples), but these zones failed to return anomalous gold values.

DDH C-3

Hole Depth	203 feet
Azimuth	315°
Dip	-45°
Location	4+07'E, 6+75'N
Claim Number	L757834

This hole intersected porphyritic syenite and metasedimentary rocks. A minor amount of disseminated pyrite was noted and sampled (15 samples) but failed to return anomalous gold values.

SUMMARY

Given the lack of significant gold assays and the fact that

the best IP anomalies were tested, no further work is recommended at this time.

Respectfully Submitted,

Nadia Caira
Nadia Caira, B. Sc.

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	M-18, GRAND SAGUENAY MINES & MINERALS LTD.	HOLE NUMBER:	C-1
AREA:	CAIRO TOWNSHIP, MATACHEWAN AREA	LOCATION:	L0, 6 + 00S
CLAIM NUMBER:	L650116	AZIMUTH:	330° AZ
CORE SIZE:	BQ	DIP:	-45°
DRILLED BY:	NOREX DRILLING	DATE:	MAY 12 TO 17, 1984
LOGGED BY:	ROBERTA BALD	CASING:	9'
CORE STORED AT:	NOREX DRILLING WAREHOUSE PORCUPINE, ONTARIO	LENGTH:	593'
OBJECTIVE:	TO TEST I.P. ANOMALY OVER SULPHIDE FACIES IRON FORMATION	ACID TESTS:	@ 200' = -43° @ 400' = -39.5° @ 593' = -39.5°

Roberta Bald

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
0	9	CASING (CASING IN TO 12')							
9	30	MAFIC METAVOLCANIC -broken core from 9' to 14.5'; 17' to 30' including ground core from 22.5' to 25' (2.5') -from 9' to ~11': boulders including one medium-to coarse-grained magnetic diabase boulder greater than 1 foot in diameter. -mafic metavolcanic is greenish grey, fine-grained to medium-grained with local slight carbonatization and silicification in patches; locally up ~2% fine-grained pyrite as patches of disseminated crystals and blebs.		2%					
30'	114'	SULPHIDE FACIES IRON FORMATION -dark green to dark brown mafic component, magnetic, locally containing up to ~15% pyrite as either disseminated crystals and blebs <u>or</u> as subparallel stringers <u>or</u> as massive crystal aggregates (commonly appear brecciated); -cherty siliceous component (up to ~5-10% of rock); light grey to milky white, commonly appears brecciated locally contains bright green veinlets and patches (up to ~2%) of possible chlorite?; locally cherty material contains pyrite as stringers in between cherty "fragments". -iron formation unit cut by up to ~5 to 10% carbonate + quartz veinlets and veins up to ~ 1/2" wide. -@47.5': possible bedding of magnetic mafic compon-		15%					

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t
30'	114'	ent and cherty siliceous component; cherty beds ~ 1/2" wide with intervening ~1" wide mafic bed; cherty beds are faulted, lensoid; beds at ~25" to core axis. @ 54.0': bedding @ 35° to core axis. @ 58.0': bedding @ 35° to core axis. @ 66.0': bedding @ 20° to core axis. @ 80.0': bedding @ 20° to core axis. @ 82.0': bedding @ 25° to core axis. @ 66.0': an ~1/2" bed of massive pyrite has segregated into elliptical shaped bodies ~1/4" long on up-hole side of pyrite bed (concretions?). @ 75' to 76.9': up to 80% pyrite as thin (less than 1/10" wide) beds and "concretions" between magnetite-rich mafic material. @ 90.0': bedding @ 25° to core axis. @ 92.0': bedding @ 20° to core axis. @ 95': graphite along bedding? planes @ ~25' to core axis; 3' of ground core from 97' to 100'. @ 113': bedding @ 35° to core axis. -lower contact obscured by broken core.	25°							
(continued)				35°						
				35°						
				20°						
				20°						
				25°						
					80%	41968	73.0'	75.0'	2.0'	
						41969	75.0'	76.9'	1.9'	
						41970	76.9'	79.0'	2.1'	
						41971	79.0'	82.0'	3.0'	
			25°							
			20°							
			25°		41972	94.0'	95.7'	1.7'		
			35°		41973	112'	114'	2'		
					41974	114'	117'	3'		
114'	205.1'	GABBRO								
		-possibly medium-grained mafic metavolcanic								
		-greenish grey, medium-grained carbonatized; massive; with locally up to ~5% discrete white carbonate crystals (calcite); with up to ~3% white (chalky) calcite								

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result			
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t	
114'	205.1'	veinlets up to ~1/5" wide, randomly oriented; locally showing small-scale folding and faulting; locally calcite veinlets cross-cut each other. -locally contains up to ~3% fine-grained disseminated pyrite (e.g. @ 122'). -local milky white to translucent quartz veins cutting strongly carbonatized light grey host rock (host rock is strongly carbonatized within ~2-3" of vein) (e.g. @ 162': ~1/2" wide quartz + minor calcite vein @ ~20° to core axis, with up to ~2% fine-to coarse-grained pyrite in host rock along vein margin. -carbonatized, bleached zone containing ~1% fine-grained disseminated pyrite from 190.5' to 192.0'. -@ 195.7': carbonate veinlet in light grey carbonatized host rock, containing up to ~2% disseminated fine to coarse-grained pyrite. Note: blocky core throughout hole -lower contact gradational into next unit.	20°	3%	41975	117'	120.9'	3.9'			
(continued)					41976	120.9'	123.0'	2.1'			
					41977	123.0'	125.0'	2.0'			
					41978	159.5'	161.5'	2.0'			
					41979	161.5'	163.0'	1.5'			
					41980	163.0'	165.0'	2.0'			
					41981	188.5'	190.5'	2.0'			
					41982	190.5'	192.0'	1.5'			
					41983	192.0'	195.0'	3.0'			
					41984	195.0'	196.0'	1.0'			
					41985	196.0'	197.9'	1.9'			
205.1'	208.9'				CHERTY CHEMICAL METASEDIMENT						
					-similar to cherty-siliceous portion of sulphide facies iron formation.			41986	205.1'	207.0'	1.9'
		-from 205.1' to 206.5': cherty material is brecciated, with mafic material between fragments.			41987	207.0'	208.9'	1.9'			
		-unit locally contains up to ~4% medium-grained pyrite as stringers and filling spaces between cherty		4%							

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
205.1'	208.9'	fragments. -lower contact obscured by broken core.							
208.9'	218.2'	MAFIC METAVOLCANIC? OR GABBRO? -similar to 114' to 205.1'. -@ 214.0': <1/4" wide quartz carbonate vein similar to 162'. -lower contact obscured by broken core.							
218.2'	246'	SULPHIDE FACIES IRON FORMATION -similar to 30' to 114' -@ 224': bedding @ 40° to core axis -@ 230': bedding @ 50° to core axis -@ 243': bedding @ 55° to core axis -deformation (folding & faulting) common. -locally, unit contains up to ~10% green chlorite felted masses, wispy between cherty fragments. -@ 239' to 246': pyrite rich section (almost massive pyrite; ~80%; between cherty, white to grey fragments and beds (@ 244', finely laminated grey chert beds @ 50° to core axis). -lower contact obscured by broken core.	40° 50° 55°		41988	225.0'	227.0'	2.0'	
				80%	41989	239.0'	241.0'	2.0'	
			50°		41990	244.0'	246.0'	2.0'	

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result		
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t
246'	265.1'	GABBRO (?) OR ALTERED MAFIC METAVOLCANIC? -medium-grained, mottled texture; carbonatized, greenish grey, massive; locally up to ~15% white calcite + quartz veins, random. -from 246.0' to ~248.0': silicified, possible fault zone?, green to light greenish buff coloured, aphanitic to schistose, with small dark-green specs; locally contains ~1% fine-grained disseminated pyrite; up to ~2% local grey, translucent veins up to ~1/4" wide. -lower contact @ 30" to core axis.	30°	1%	41991	246.0'	248.1'	2.1'		
					41992	248.1'	251.0'	2.9'		
					41993	251.0'	253.0'	2.0'		
					41994	253.0'	255.0'	2.0'		
					41995	259.5'	261.3'	1.8'		
					41996	261.3'	262.3'	1.0'		
					41997	262.3'	265.0'	2.7'		
265.1	~268.5'	FAULT ZONE -exact length unknown since core broken into small pieces from 266.3', stretching for ~2 feet in core box. -very soft, grey to dark grey mafic material, locally schistose and locally brecciated; with carbonate and quartz veinlets and veins from ~ 265.3 to 266.3' (~80% of rock).			41998	265.0'	266.3'	1.3'		
268.5'	384.6'	VARIOLITIC PILLOWED MAFIC METAVOLCANIC -dark grey to greenish grey, soft, chlorite-rich, fine-grained, with zones of white-buff round varioles (locally zoned) up to 1/2" diameter but more commonly ~1/8" diameter. -several bleached, hard silicified sections throughout unit; from buff to greenish buff to bright green; locally containing up to 2% white calcite randomly			41999	268.5'	270.5'	2.0'		
					42000	270.5'	273.0'	2.5'		
					43706	273.0'	275.0'	2.5'		

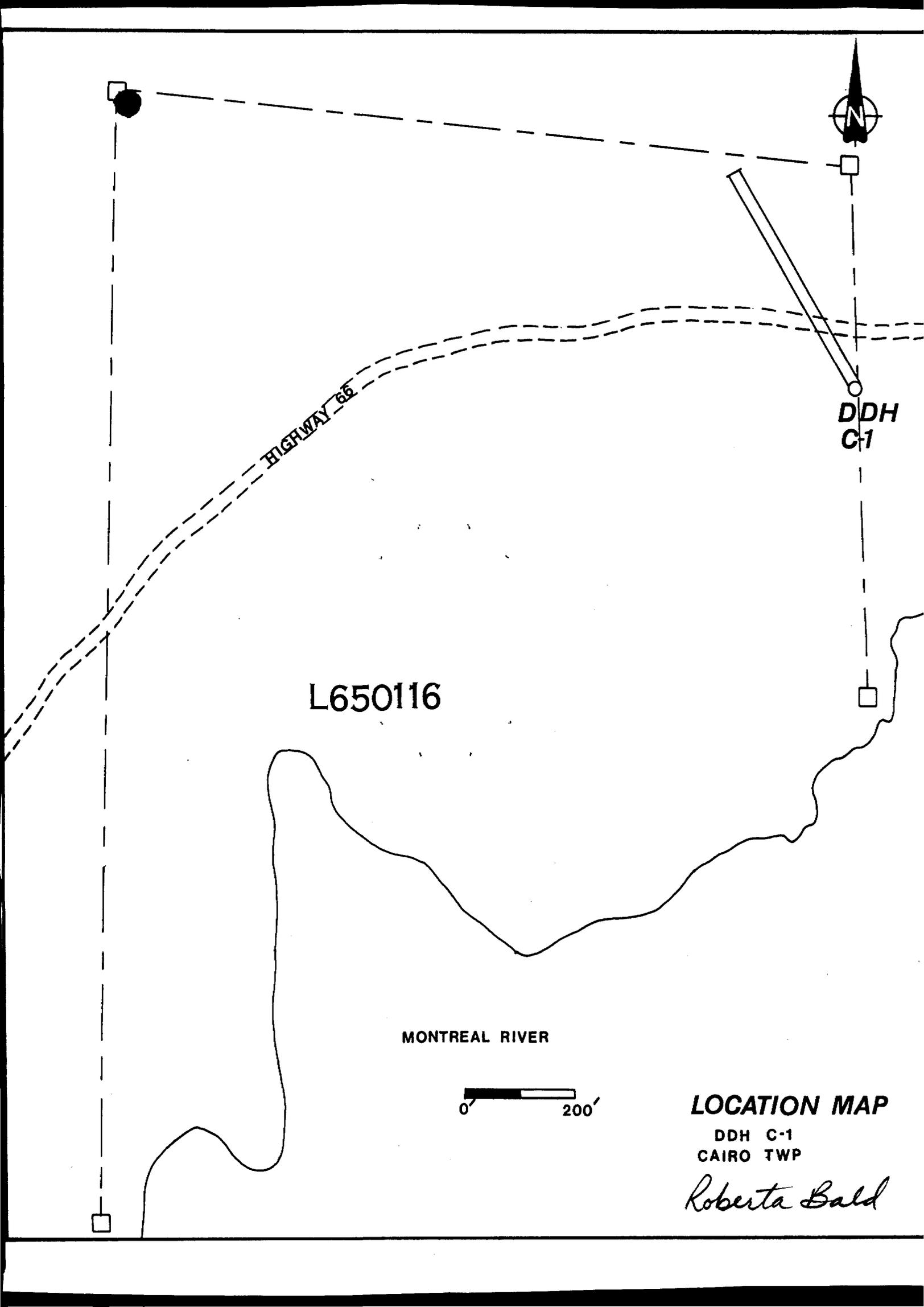
Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result		
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t
268.5' (continued)	384.6'	oriented veinlets & veins; bleached zones are generally almost cherty looking (aphanitic) with dark green to locally bright green chlorite crystals/specs disseminated in matrix; these zones locally contain ~1% fine-grained disseminated pyrite; the zones occur from ~268.5; (end of fault zone) to 282'; 287' to 290.3'; 294.5' to 295.5'; 300' to 313.2'; 316.6' to 317'; 319.3' to 321.1'; 322.7' to 328.1'; 334.8' to 339'; 342.1' to 346.8'.	6" ground core	1%	43707	275.0'	278.0'	2.5'		
					43708	278.0'	280.0'	2.0'		
					43709	280.0'	282.0'	2.0'		
					43710	287.0'	288.5'	1.5'		
					43711	288.5'	290.3'	1.8'		
					43712	294.5'	295.5'	1.0'		
					43713	300.0'	302.0'	2.0'		
					43714	302.0'	304.0'	2.0'		
					43715	304.0'	306.0'	2.0'		
					43716	306.0'	308.0'	2.0'		
					43717	308.0'	310.0'	2.0'		
					43718	310.0'	312.0'	2.0'		
					43719	312.0'	313.2'	1.2'		
					43720	319.3'	321.1'	1.8'		
					43721	322.7'	324.7'	2.0'		
					43722	324.7'	326.7'	2.0'		
					43723	326.7'	328.1'	1.4'		
					43724	328.1'	328.7'	0.6'		
					43725	328.7'	329.9'	1.2'		
					43726	334.8'	337.0'	2.2'		
43727	337.0'	339.0'	2.0'							
43728	339.0'	342.1'	3.1'							
43729	342.1'	344.0'	1.9'							
43730	344.0'	346.8'	2.8'							
		-locally varioles are present within altered zones; also possible pillow margins (i.e. chlorite, quartz and carbonate rich arcuate zones).								

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result			
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t	
268.5'	384.6'	<p>-@ 328.7' to 329.9': schistose; carbonate (calcite) veinlets sub parallel to foliation; and buff coloured siliceous veinlets, deformed; with up to ~2% bright green chlorite? or fuchsite? along schistosity planes, associated with ~1% fine-grained pyrite.</p> <p>-locally within unit <1% fine-to medium-grained, chalcopyrite @ ~335.5' and 336.5' and 340', associated with calcite veinlets & patches.</p> <p>-locally within unit, up to ~50% buff coloured, hard siliceous veinlets making net pattern causing a pseudo fragmental texture (host rock "pseudo-fragments" have shard-like shapes).</p> <p>-bleached silicified zones similar to 268.5' to 282', etc. @ 348.3' to 349.5'; 356' to 360' including grey-buff silicified zone with patches of dark, grey-black cherty material from ~358.5' to 360'; 361' to 362.9' including a section similar to 328.7 to 329.9'; 366.8' to 368.3' including two zones of quartz veining ~2" wide; 376' to 382.5'.</p> <p>-lower contact obscured by broken core.</p>									
					43731	348.3'	349.5'	1.2'			
					43732	356.0'	358.0'	2.0'			
					43733	358.0'	360.0'	2.0'			
					43734	360.0'	361.0'	1.0'			
					43735	361.0'	362.9'	1.9'			
					43736	366.8'	368.3'	1.5'			
					43737	376.0'	378.0'	2.0'			
					43738	378.0'	380.5'	2.5'			
					43739	380.5'	382.5'	2.0'			
					384.6'	563.9'	<p>GRAPHITIC MAFIC METAVOLCANIC FLOWS</p> <p>-grey to slightly greenish grey, fine-grained, massive mafic volcanic flows, locally variolitic (@ 401' to 404'); strongly carbonatized (reacts to HCl); with up to ~20% graphite along possible pillow margins (?)</p>			43740	387.3'
43741	388.1'	389.7'	1.6'								
43742	396.5'	398.5'	2.0'								

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
384.6'	563.9'	arcuate zones) and between "fragments" of mafic volcanic (in situ brecciation?); unit contains up to ~10% white calcite veinlets and veins up to 3/4" wide, random to roughly subparallel @ 40-45° to core axis; up to ~2% fine-to coarse-grained pyrite, usually associated with graphite between "fragments". -locally schistose graphite-mafic volcanic sections: generally at ~35° to 40° to core axis. -varioles @ ~500', 512'. -2 massive pyrite sections ~1 1/2" wide @ 513';. -massive, almost total graphite sections between ~515' and 517' (very crumbly, schistose, soft material) also between ~518.5' to 521.5' -from 517' to 518.5' and 522.0' to 564.9'. -altered, silicified, carbonatized possible mafic metavolcanic?? light grey to buff to greenish, locally schistose; hard, with bright green wispy bands of chlorite? or fuchsite? parallel to schistosity (roughly ~40° to core axis); locally graphitic bands in between altered material; unit contains up to 5-10% fine-to coarse-grained pyrite as disseminations, blebs elongated parallel to schistosity and stringers.							
(continued)			45°	2%	43743	419.3'	421.3'	2.0'	
					43744	425.0'	426.5'	1.5'	
					43745	450.7'	452.7'	2.0'	
					43746	471.0'	473.0'	2.0'	
					43747	479.9'	481.9'	2.0'	
			40°						
				100%	43748	513.0'	515.0'	2.0'	
					43749	517.0'	518.5'	1.5'	
					43750	518.5'	521.0'	2.5'	
				43751	521.0'	522.0'	1.0'		
		40°	10%	43752	522.0'	524.0'	2.0'		
				43753	524.0'	526.0'	2.0'		
				43754	526.0'	528.1'	2.1'		
				43755	528.1'	530.0'	1.9'		
				43756	530.0'	532.2'	2.2'		
				43757	532.2'	535.0'	2.8'		
				43758	535.0'	537.0'	2.0'		
				43759	537.0'	539.0'	2.0'		

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb	Au oz/t
384.6' (continued)	563.9'				43760	539.0'	540.1'	1.1'		
					43761	540.1'	542.0'	1.9'		
					43762	542.0'	544.0'	2.0'		
					43763	544.0'	546.0'	2.0'		
					43764	546.0'	548.0'	2.0'		
					43765	548.0'	550.0'	2.0'		
					43766	550.0'	552.0'	2.0'		
					43767	552.0'	555.0'	3.0'		
					43768	555.0'	563.9'	4.0'		
					43769	563.9'	566.0'	2.1'		
				5' ground core						
		-dark grey, graphitic section @ 539.1' to 540.0' with alternating layers of grey buff coloured locally cherty looking material; banding @ 25% to core axis.								
		-very blocky from ~555' (5' of ground core from 555' to 565')								
563.9'	593.0'	GABBRO (?)								
		-magnetic, grey to pinkish grey, fine-grained, containing up to 3% pink to pinkish white calcite veins and veinlets, up to 1/4" wide, randomly oriented; unit is strongly carbonatized (reacts to HCl); locally contains up to 3% fine-to locally coarse-grained disseminated pyrite; very blocky from 563.9' to end of hole.		3%						
		-upper contact @ 40° to core axis, sharp.	40°							
		-unit is massive.								
		-unit becomes greenish grey towards end of hole; still magnetic, containing about 1% to 2% disseminated pyrite and along stringers.		2%						
	593.0'	END OF HOLE								

12 feet of BW casing left in hole.

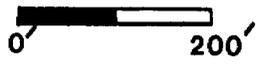


HIGHWAY 66

L650116

DDH
C-1

MONTREAL RIVER



LOCATION MAP

DDH C-1
CAIRO TWP

Roberta Bald

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT:	M-18, GRAND SAGUENAY MINES & MINERALS LTD.	HOLE NUMBER:	C-2
AREA:	CAIRO TOWNSHIP, MATACHEWAN AREA	LOCATION:	5 + 32'N, 13 + 75E
CLAIM NUMBER:	L757833	AZIMUTH:	330° AZ
CORE SIZE:	BQ	DIP:	-45°
DRILLED BY:	NOREX DRILLING	DATE:	MAY 18, 1984
LOGGED BY:	ROBERTA BALD	CASING:	14'
CORE STORED AT:	NOREX DRILLING WAREHOUSE PORCUPINE, ONTARIO	LENGTH:	200.0'
OBJECTIVE:	TO TEST I.P. ANOMALY	ACID TESTS:	@ 200' = -40°

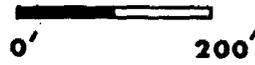
Roberta Bald

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
0'	14'	CASING							
14'	15.5'	RED SYENITE (?) -dark red, porphyritic (~20%, 1/3" long white and dark red feldspar crystals, randomly oriented); with ~3% white to translucent quartz phenocrysts, with ~1-2% black, soft, chlorite, locally lath shaped up to ~1/4" long, with ~1% disseminated patches of yellowish green epidote (?); ~1% fine threadlike calcite veinlets, randomly oriented; trace fine-grained pyrite, disseminated.							
		-lower contact, sharp, slightly irregular but roughly @ 40° to core axis: gabbro chilled along contact, syenite is not chilled.	40°						
15.5'	200.0'	GABBRO -fine-to coarse-grained, strongly magnetic, massive, locally carbonatized (reacts to HCl) with ~1-2% calcite (white) veinlets, randomly oriented; grey to reddish grey caused by up to ~30% dark red feldspar crystals; up to ~1% fine-to medium-grained disseminated pyrite as blebs. -blocky core locally throughout.		1%					
		-from 72.0' to 75.0': calcite + quartz + dark green chlorite (~25%) vein at ~20° to core axis; with ~2% coarse-grained pyrite blebs.	20°	2%	43772	72.0'	75.0'	3.0'	
					43773	122.1'	124.0'	1.9'	
		-local green epidote veins and patches			43774	157.0'	159.0'	2.0'	

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Result	
From	To				Number	From	To	Length (feet)	Au ppb
15.5'	200.0'	@ ~196.0': becomes finer-grained, grey to slightly reddish grey, with ~1% fine-grained disseminated pyrite.		1%	43775	182.0'	184.0'	2.0'	
(Continued)					43776	196.0'	197.9'	1.9'	
	200.0'	END OF HOLE							
		14' of BW Casing left in hole.							

L757833

DDH C-2



LOCATION MAP

DDH C-2
CAIRO TWP

Roberta Bald

ROBERT S. MIDDLETON EXPLORATION SERVICES INC.

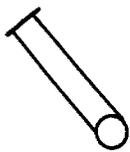
DIAMOND DRILL HOLE LOG

PROJECT:	M-18, GRAND SAGUENAY MINES & MINERALS LTD.	HOLE NUMBER:	C-3
AREA:	CAIRO TOWNSHIP, MATACHEWAN AREA	LOCATION:	4 + 07E, 6 + 75N
CLAIM NUMBER:	L757834	AZIMUTH:	315° AZ
CORE SIZE:	BQ	DIP:	-45°
DRILLED BY:	NOREX DRILLING	DATE:	MAY 20 TO 21, 1984
LOGGED BY:	ROBERTA BALD	CASING:	10'
CORE STORED AT:	NOREX DRILLING WAREHOUSE PORCUPINE, ONTARIO	LENGTH:	203.0'
OBJECTIVE:	TO TEST I.P. ANOMALY AT CONTACT BETWEEN SYENITE INTRUSION AND METASEDIMENTARY ROCKS.	ACID TESTS:	@ 203' = -41.5°

Roberta Bald

Footage		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE			Analytical Results	
From	To				Number	From	To	Length (feet)	Au ppb
0'	10'	CASING							
10'	180'	<p>PORPHYRITIC SYENITE</p> <p>-coarse-grained, magnetic, dark grey with white to pink altered (carbonatized - reacts to HCl along fractures in feldspar crystals) feldspar phenocrysts up to 1/3" in diameter, lath to ellipsoidal to equant shaped;</p> <p>-two gradational phases (?) of syenite: 1) mainly foliated, with 40% to 75% white to pink variably altered (carbonatized-saussuritized) feldspar crystals generally ellipsoidal shaped in a brownish-black biotite-rich foliated matrix. 2) mainly massive, with ~70% pink, relatively fresh feldspar crystals, lath to equant shaped, in matrix consisting of fine-grained green chlorite and black biotite crystals (up to ~1/5" diameter).</p> <p>-unit contains trace coarse-grained chalcopyrite associated with calcite (white) veins and trace fine-to medium-grained disseminated pyrite.</p> <p>-non-foliated syenite from 10' to 11'. -foliated syenite from 11' to 18.5'. -non-foliated syenite from 18.5' to ~35' (gradational into foliated syenite).</p> <p>-foliated syenite from 35' to 53.6'. @ 15', foliated @ 60° to core axis @ 45', foliated @ 50° to core axis</p> <p>-foliated syenite contains ~3% white calcite veinlets and veins up to ~1/2" wide, locally parallel to</p>							

L757834



DDH
C-3

MOYNEUR LAKE



L757834



MOYNEUR LAKE

LOCATION MAP

DDH C-3
CAIRO TWP



Roberta Bald

Cairn
 #141



900

Name and Postal Address of Recorded Holder
Comstate Resources Ltd | **T-1127**
403 - 8199 YONGE ST. THORNHILL ONT L3T 2C6

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 793 days	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	561730	45	L	650134	120			
		650115	120		757832	60			
		650116	50.5		757833	60			
		650117	60						
		650118	60						
		650131	97.5						
		650132	80						
	650133	40							

All the work was performed on Mining Claim(s): **L650116, L757833**

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

DRILLED BY : NOREX DRILLING LTD
P.O. Box 88
PORCUPINE ONT. P0N 1C0

DRILL DATES MAY 12 - 18, 1984

CORE SIZE B.Q.

DEPTH OF HOLES 593 ft and 200 ft = 793'
(C-1) (C-2)

LARDER LAKE MINING DIV.
RECEIVED
 APR - 3 1985
 AM PM
 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6

RECORDED - APR - 3 1985

Date of Report Mar 29/85	Recorded By or Agent (Signature) NR Pyke
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Certification Verifying Report of Work

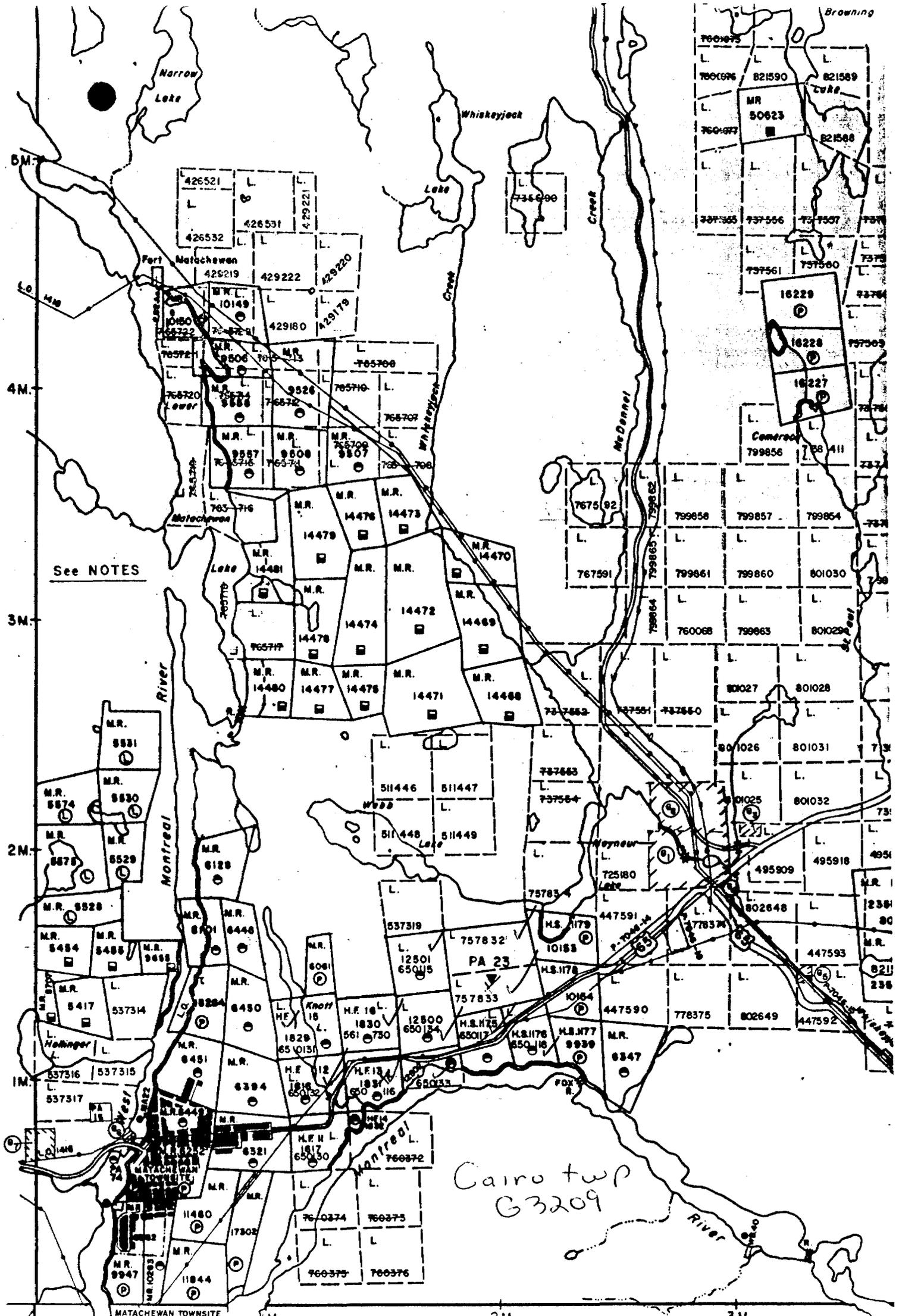
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
J.R. PYKE 31 DELAIR CRES THORNHILL ONT L3T 2M3

Date Certified Mar 29/85	Certified by (Signature) NR Pyke
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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	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
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 surveyor.	Nil	Nil



See NOTES

Cairo twp
G3209

MATACHEWAN TOWNSHIP
REG. PLANS M. 108

2M 3M

File L725180

Mining Act

#140

Name and Postal Address of Recorded Holder COMSTATE RESOURCES LTD	Prospector's Licence No. 7-1127
# 403-8199 YONGE ST. THORNHILL ONT L3T 2C6	

Summary of Work Performance and Distribution of Credits

	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
Total Work Days Cr. claimed 203.									
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	725180	98.17						
		757834	104.83						

All the work was performed on Mining Claim(s): **L 757834.**

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

DRILLED BY: NOREX DRILLING LTD
P.O. Box 88
FORCUPINE, ONT P0N1C0

DRILL DATES : MAY 20-21, 1984

CORE SIZE : BQ

DEPTH OF HOLE - 203 FT.

(C-3)

LARDER LAKE MINING DIV.
RECEIVED
 APR - 3 1985
 AM 7 18 19 10 11 12 1 1 2 1 3 1 4 1 5 1 6 PM

APR - 3 1985
 RECORDED
 No.

Date of Report Mar 29/85	Recorded Holder of Agent (Signature) W R Pyke
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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 Postal Address of Person Certifying D. R PYKE 31 DELAIR CRES THORNHILL ONT L3T 2M3	Date Certified Mar 29/85	Certified by (Signature) W R Pyke
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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	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		



Cairo township
 3209



Ontario

Ministry of
Northern Development
and Mines

The following material (Report on
D.O) has been placed on
file from OMEP submittal OM83-6-C-308 . The following
material was not included in the assessment submittal but has
been placed on file due to its significance to this report.