

2A11SE0081 25 HOYLE

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DIAMOND I

TOWNSHIP: Hoyle

REPORT No.: 25

WORK PERFORMED BY: Rosario Resources

CLAIM No.	HOLE No.	FOOTAGE	DATE	Note
P 508688	MH-79-1	600.0	Jan/79	(1)
	MH-78-7	601.0	Dec/78	(1)
P 508690	MH-78-6	540.0	Dec/78	(1)
	MH-78-4	240.0	Dec/78	(1)
	MH-78-5	510.0	Dec/78	(1)

NOTES: (1) #365-80

Ministry of Natural Resources

Diamond **Drilling**

Hole No. Page No. MH - 79-1

Log every page I **Drilling Company** Bearing of hole from true North O Collar Elevation Total Footage Dip of Hole at Location of hole in relation to a Map Reference No. Claim No. fixed point on the claim. P. 508688 600 DOMINIK DRILLING Collar Date Hole Started Date Completed Date Logged Location (Twp., Lot, Con. or Lat. and Long.) Logged by 110 Ft. Jan 23/79 Jan 8/79 Jan 14/79 B. Durham L 43 + 00W, 28 + 00SExploration Co., Owner or Optionee Date Submitted Submitted by (Signature) 310 Ft. | -36 Hoyle Twp. Con.II, lot 8, S1, NW4 Bruce Bucha 510 Ft. -23 Property Name ROSARIO RESOURCES CANADA LTD. Ft. Murphy - HovleAllerston - Specimen Footage † Footage Planar Sample Footage Assays † Your Sample **Rock Type** Sample No. From Colour, grain size, texture, minerals, alteration, etc. Length To From To Au oz. 110 30 0 Casing through overburden 110 Overburden 117 127 35 110 212 Argillite -Well bedded argillite - which grades down hole to massive greywacke (with a few coarse angular frags). 138 gwke sequences There appears to be 2 weak foliations developed and very minor 144 sericite developed. Fine pyrite occurs in trace amounts to .5% throughout the 146 sequences. Rare hairline qtz veinlets at 10 - 25 to CA. Sequence tops are identifiable at 110.0, 117.0, 127.0,138.5.139 5 30 152 163 144.0, 146.5, 152-3, 163 165.5 - 166.5 alteration zone with erratic qtz veinlets 165.5 171 7966 5.5 166.5 - 170.5 massive white qtz vein Qtz vein 170.5 - 173 dark grey argillite qtz veinlets abundant at 170.5 decreasing to back ground by 173 (minor mg, py) 173 - 178 massive gwke. coarse fragments at 176 178 35 178 argillite - top of sequence 3/4" sericitic py rich white qv at 179.9 178.5 181.5 7977 tr a few qtz stringers 24" at 181 181.5 argillite - top of sequence 40 181.5 weak fracture pattern resulting in hairline qtz veinlets at very shallow angles (throughout)

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ntario 	Log						Fill in on every page	Hole No. Page No. MH 79-1 2
Illing Company	· · · · · · · · · · · · · · · · · · ·	Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
te Hole Started	Date Completed	Date Logged	Logged by		Ft.		Location (Twp., Lot, Con. o	or Lat. and Long.)
Ploration Co., Owner or Option	ee	Date Submitted	Submitted by (Sig	nature)	Ft.	0		
					Ft.		Property Name	

						Ft.									
Foo	tage	Rock Type			Description		Planar	-Gore- -Specimen	Your	Sample	Footage	Sample		Assays †	····
rom	То	HOCK Type			in size, texture, minerals, alteration, etc.		Feature Angle *	Footage †	Sample No.	From	То	Length	Au o	z .	I
					sequence possible x-bed	ding.	35	193.5				•			
		Altered argillite					35	194.5							
		gwke zone			gnificant mg & fg, py mi	neralization			7968	202	205.5	3.5	.002		
				ericite cont					7969	205.5	209	3.5	tr		
					qtz mineralization				7970	209	210.5	1.5	tr		
			qtz veins a	re generally	عالك" sericitic & have تاكما	inor smeared			7971	211.2	219	7.8	.002		
			py in the vei												
			208.6 Argil	litic top (a	altered) bedding		60								
			208.6 - 210	several ½"	qtz veins in altered gw	ke	-								
212	251	Argillite (gwke)	Mainly a hi	ghly veined	and moderately altered	argillite with									
		(to med grey fine	minor gwke	sections					7972	219	226	7	tr		
		gwke)	Qtz veining i	s generally	erratic in nature				7973	226	230	4	.002		
			veins are u	sually narro	w ∠.5" and often sinuou	s and cross one			7974	230	235	5	.002		
,			another. T	he larger ve	ins .5" appear to be s	ub-parallel to			7975	235	240	5	tr		
			bedding and	cut the con	e at 50 - 70°. Overall	qtz - veining			7976	240	245	5	.002		
					a trace of carbonate.				7977	245	247	2	.002		
					oughout (both as coarse	grains and clots,									
			and as fine												
251	261	greywatke (arg)	Mainly mass:	ive rather s	iliceous or silicified	gwke with							·		
			5 - 7% mg p	yrite only m	inor qtz veining to 258	- 261 10% gtz vei	ning		7978	254	256	2	.005		
			including 1	- 2" vein a	t 260.2				7979	257.7	262	4.3	.01		
261	271.5	slightly cherty	Siliceous 1:	ight grey to	slightly tan grey				7980	262	267	5	.04		
		argillite			ic qtz veined which ver	y gradually			7981	267	271.5	4.5	.005		
			becomes less	s siliceous	and slightly graphitic	qtz veins narrow									
					d py 2 - 5%										
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Diamond **Drilling** Log

Fill in on Hole No. Page No. every page MH 79-1 **Drilling Company** Collar Elevation Bearing of hole from true North Total Footage Location of hole in relation to a fixed point on the claim. Map Reference No. Claim No. Dip of Hole at Collar Date Hole Started Date Completed Date Logged Logged by Location (Twp., Lot, Con. or Lat. and Long.) Ft. Exploration Co., Owner or Optionee Date Submitted Submitted by (Signature) Ft. Ft. Property Name

						Ft.					rioperty	taino			
Foo	tage	Dools Trees		· · · · · · · · · · · · · · · · · · ·	Description		Planar	Core	Your	Sample	Footage	Sample		Assays †	
From	То	Rock Type		Colour, gra	in size, texture, minerals, alteration, etc.		Feature Angle *	-Specimen - Footage †	Sample No.	From	То		Au oz.	I	
271.5	273.0	Qtz Vein			c qtz vein with coarse	py and fine py			7982	271.5		4	tr		
					of argillite				7983	275.5	279.5	4.	tr		
273.0	276.5	Qtz vein-argillite			vein/qtz more dominant	near edges of									
			enclosing												
		Qtz vein		271.5 - 273.											
279.5	284	Greywacke			ed gwke with $3 - 5\%$ py 1	argely broken core			7984	279.5	284	4.5	.002		
			5 - 10% qt					<u> </u>							
284	356	Argillite			thinly bedded silty ar	gillite to nearly			7985	284	289	5	.01		
			fine greyw		· · · · · · · · · · · · · · · · · · ·		40	289	7986	290	294	4	.005		
					te-qtz veined from 284	- 294	70	294	7987	295	296	1	.002		
					003 average 5 - 8%		60	29.7	7988	298	303	5 ·	.01		
	·		303 -		- 5% (rarely ½")		40	309	7989	306	307	1	.002		
5) .					ed cubes and fine strea	ky disseminated	50	322							
					ss average py 1 - 3%		60	329	7990	327	328	1	.005	<u> </u>	
<i>Y</i>					iscernible indicates to	ps are up the hole		332	7991	336	337	1	tr		
				s bedding).		<u> </u>	52	341	7992		355.0	3.5	.002		
<u></u>					radually becomes more f	ine grained and	6.0	357	7993	356	357	1	.002		
			slightly d	larker grey o	verall.										
				· · · · · · · · · · · · · · · · · · ·											
			·	· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·									
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green a jede saa	174		* For features of	ich as foliation, bec	lding schistosity measured from the	long axis of the core			ing the second	1.4.4.4.4				and the second	in the series



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Hole No. MH 79-1 Page No.

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Prilling Con					Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at °	Locatio fixed po	n of hole in oint on the c	relation to a laim.		Map Refe			im No.	
ate Hole S	tarted		Date Completed	d	Date Logged	Logged by		Ft.					Location (Twp., Lot, (Con. or Lat.	and Long.)	
ploration	Co., Owner	r or Optionee			Date Submitted	Submitted by (Sig	nature)	Ft.									
								Ft.					Property N	Name			
			·			<u> </u>		Ft.	ļ								
From	age To	Rock T	ype		Colour, gra	Description ain size, texture, minera			Planar Feature Angle *	Specimen Footage †	Your Sample No.	Sample From	Footage	Sample Length	Au oz	Assays †	
356	365	Argillite	e (gf)	Rapid but s	subtle change	e to a dark	grey fg mod		65	359	7994	361.5	362	.5	tr		
				graphitic a	argillite wi	th coarse py	cubes & cl	ots.									
365	370	Graphitic	arg.	highly grap	phitic zone,	sheared, py	ritic, argi	llitic			7995	367	372	5	tr		
370	418.5	Argillite	2	Rapid but s	subtle change	e back to a	med grey ar	gillite, mod			7996	372	377	5	.002		
				graphitic	grading to no	ot graphitic	pyritized	(2 - 3%) mod-			7997	377	382	5	.005		
					ned with quan				<u> </u>		7998	382	387	5	.005		
					randomly orie			nlets 스指"	1		7999	387	392	5	.002	4	
					tic, slightly						8000	392	397	5	tr		
			··-	quartz 5 -	8% no	bedding dis	cernible du	e to mod foliation			8501	397.5	399.5	2	.002		
		•		ру 2-	3% at	20 - 35 to	CA.		 	 	8502 8503	403 409	407	3	tr	+ +	
418.5	421	Argillite	(cf)	mod graphi	tic arcillit	a with an in	cresse in n	y content to 5-7%	-		8504	422	424	2	.002		
+10.7	421	MIKILITIE	= (81)	mou grapizi	cic argillice	e with an in	crease in p	Concent to 3-7%	 		0504	744	1-72-		1.002		
421	424	Quartz ve	in		ricitic graph		in with som	e smeared py									
				(largely gr	round & broke	en core).	<u> </u>		 						 -		
424	438	Graphitic	pyritic					or fragments py up									
		tuff or a	irg.		n., py fragme				<u> </u>				ļ.,,,,,	<u> </u>			
			·					pands and finely	ļ		8505	432.5	437.5	5	.01	1	
				disseminate	ed py in a gr	raphitic mat	rix			-			ļ	ļ	 		
								***	 	-	 		-	 	 	 -	
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Drilling Company

Diamond Drilling Log

Collar Elevation Bearing of hole from Total Footage true North

Fill in on every page MH 79-1 5

Map Reference No. Claim No.

			•			1	Collar	fixed po	oint on the c	laim.		1		1		1
Date Hole S	Started	Date Comple	ted	Date Logged	Logged by		Ft.					Location (Twp., Lot, C	on. or Lat. a	nd Long.)	
Exploration	Co., Owne	r or Optionee		Date Submitted	Submitted by (Sig	nature)	Ft.									
							Ft.					Property N	lame		·	
	tage	· · · · · · · · · · · · · · · · · · ·		<u></u>	D		Ft.	Planar	Core		Comple				Assays †	
From	То	Rock Type			Description in size, texture, minera	als, alteration, etc.		Feature Angle *	Specimen Footage †	Your Sample No.	From	Footage To	Sample Length	Au oz.	Assays	
438	457.6	Altered Andesite	Med grey g	radually grad	ding to ligh	t grey to t	an grey massive			8506	439	441	2	tr		
							dly carbonated		ļ				·			
		·		tized weakly	sheared at	approx. 20	to CA.	 	ļ				-			
			quartz vei	nlets < 2%				 	ļ	8507	453	455_	2	tr		
157 (450	District thems		-11		1-1-1-	/ 67	 	 	0500	150	160				
457.6		Black chert (flow Top?)		ghtly carbona						8508	459	460		tr		
458	494	Carbonated Andes								8509	473	474	1	tr		
					t begins to	fade to a 1	ight tan green in			8510	483	483.5	.5	.005		
			the lower	5 feet.	·				ļ	8511	490	491	1	tr		
		<u> </u>				· · · · · · · · · · · · · · · · · · ·		ļ		`						
494	540	Andesite			<u>right) green</u>	massive ca	lcitic, po bearing	ļ	ļ			ļ				
			(∠ 2%) lava				·	 								
		•	quartz veir		· · · · · · · · · · · · · · · · · · ·			 								
			calcite 5 -					ļ		!		ļ				
·						has pillow	edge - like	 	<u> </u>		<u> </u>					
			structures	eg 523 - 525)			 				<u> </u>				
540	575	Andesite	Very subtle	e colour chan	oe from med	green to 1	ight green-tan	 						· ·		
	-						colour change is									
							s developed at abou	lt.								
-	1		15° to the	CA. Shear f	aces are ch	loritic as	opposed to									
ei i				and is py & p						8512	570	571	1	tr		
			·													
				\$ 0.000 P. 100 P												
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Dip of Hole at

Location of hole in relation to a fixed point on the claim.



Fill in on every page MH 79-1 6

Pate Hole Started Date Completed Date Logged Logged by Ft. Location (Twp., Lot, of Exploration Co., Owner or Optionee Date Submitted Submitted by (Signature) Ft. Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Date Submitted Submitted by (Signature) Ft. Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Completed Location (Twp., Lot, of Exploration Co., Owner or Optionee Completed Logged by Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location (Twp., Lot, of Exploration Co., Owner or Optionee Collar Location Co., Owner Optionee Co., Owner Op	Con. or Lat. and Long.)
xploration Co., Owner or Optionee Date Submitted Submitted by (Signature) Ft.	
Ft. Property Name	
Ft.	
Footage Rock Type Description Planar Feature Angle Sample Footage	Assays †
	Au oz
575 600 Argillite Andesite Probably volcanic flow contact 8513 580 583 3	
marked by volcanic debris and argillitic material now difficult	
to recognize due to shearing which nearly parallels the core 8514 593.5 594.5 1	
axis. 8515 596 599 3	
This zone is calcitic py bearing/very mildly graphitic and is	
cut by a few barren quartz veinlets and stringers	
cut by a lew variet quartz verifiets and stringers	
Quartz veins 5%	
py 2 - 4%	
	



Orilling Company

Diamond Drilling Log

Collar Elevation Bearing of hole from Total Footage

Fill in on Hole No. Page No. MH 79-1 every page

Claim No.

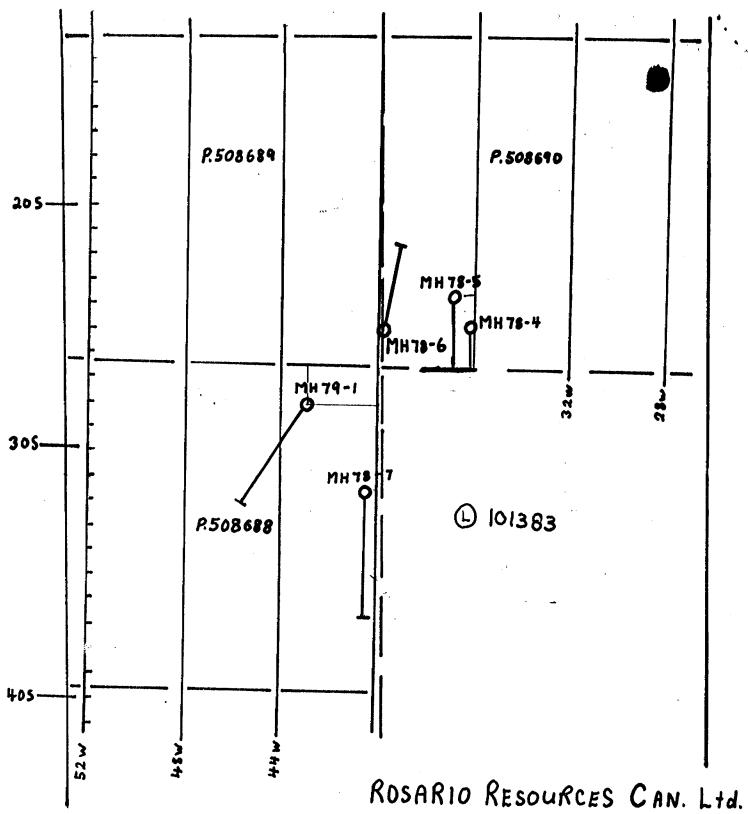
Map Reference No.

<u> </u>		<u>-</u>		<u> </u>	Collar									
Date Hole Started		e Completed	Date Logged	Logged by	Ft.					Location	(Twp., Lot, C	on, or Lat. a	and Long.)	
xploration Co., Owner	r or Optionee		Date Submitted	Submitted by (Signature)	Ft.			4						
					Ft.									
					Ft.	1				Property I	Name			
Footage				Description	T Pt.	Planar	Core	Vous	Sample	Footage	Comple	1	Assays †	
From To	Rock Type		Colour, gr	ain size, texture, minerals, alteration, etc.		Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	From	To	Sample Length	Au oz.	7.000,3	T
				Sludge Assays										
	<u> </u>							7960	110	120	10	.002		
			· · · · · · · · · · · · · · · · · · ·	Lost retur	n									
						ļ		7961	150	160	10	Tr		
						-		7060	1.0					
								7962	160	170	10	.002		
<u> </u>						<u> </u>		7963	170	180	10	.002		
						1		7505		100		-002		
				-				7964	180	190	10	.002		<u> </u>
								·						
				•				7965	190	200	10	.002		
			·											
				Lost	return	ļ				<u> </u>				
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Dip of Hole at

Collar

Location of hole in relation to a fixed point on the claim.



KOSARIO RESOURCES CA Drill Hole Location Map Hoyle Twp.

1" - 400'



Onfario	Log							Fill in on every page	Hole No. MH 78-7	Page No.
Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	° Location of hole in rela		Map Reference No.	Claim No.	
DOMINIK			195	601	Collar -45	fixed point on the claim	•		P. 508688	
Date Hole Started	Date Completed	Date Logged	Logged by		10/ 1/2			Location (Twp., Lot, Con. or		
December 18/78	Dec 22/78	Jan 5/79	Bruce Durh	am	134 Ft41	- · · · · · · · · · · · · · · · · · · ·			-	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Sig	nature)	340 Ft. -32	· L 40 + 00W		Hoyle Twp., Con.	II. lot 8.	Sl _x
DOCADIO DECOM	DODG GANADA IMD		Druce Ch	lu dans	540 Ft27	30 + 00s			NW ¹	- -
ROSARIO RESOU	RCES CANADA LTD.		Dung Kh		es l	•		Property Name		

	10011	ALO RESOURCES CAN		•				Property	Valle			
			ft.		,				Murp	hy - Ho	yle	
	tage	Rock Type	Description	Planar Feature	Core Specimen	Your		Footage	Sample	·····	Assays †	
rom	То		Colour, grain size, texture, minerals, alteration, etc.	Angle *	Footage †	Sample No.	From	То	Length		'	
0	134	Overburden	Casing in overburden	 							 	<u> </u>
L34	138	Argillite	med grey massive to bedded 134 - 138 3' ground core	-				 				
			3% qtz stringers ∠.2" bedding	35								
			.5 - 1% fine diss py	1		1			<u> </u>			
138	147	Argillite	med grey massive to bedded and						 			
			possibly cross bedded. 138 - 147 7' ground core					· · ·		 		
			white quartz pieces in ground core up to 5% py in some pieces									
			of ground core									
					<u> </u>							
L47	187.8	Argillite	Well developed sequence of graded bedded argillites	35-40	•							
			sequence tops - generally vfg thinly bedded medium and dark	1	<u> </u>							
			grey beds grading downhole to a more massive fine - med grained	- 7.								
			section which then, near the basal part of the section becomes			1						
			med grained.	1					l			
			The basal part of each sequence is in sharp contact with the	1			***************************************		 			
			vf grained top of the underlying sequence. 147-157 2' qtz	calcit	e			T	 			
			bedding where undisturbed is 52 - 58° 157-167 4' qtz									
			Moderately developed fracture pattern is at 20 - 30° to the CA									
			and cuts bedding planes at 30 - 40°									
			169 - 181 hairline fractures are qtz-cb filled and carry	1								
			considerable py (minor sericite)									·
			disseminated by is present throughout (1 - 2%) but in places	1			· · · · · · · · · · · · · · · · · · ·					
			increases to 3 - 5% aver. short sections 176 qv in part 11 to									
			CA up to 1" wide with py & sericite (white).									
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63	Ministry of			
	Natural			
	Resources			
Ontario				

8	Ministry Natural Resourc	of	Diamond Drilling Log		· 等如一个,等 · 四个一个名,是一个						e and a september of the second		angelen en e		18 manual (1900 m. 1890 m.)
Untario		•	Log	•						•.	•		Fill in on every page	Hole No. MH 78-7	Page No.
Drilling Co	mpany			Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at		on of hole in	relation to a		Map Refe		Claim No.	<u> </u>
Date Hole :	Started	Date Comple	ted	Date Logged	Logged by		Collar Ft.				•	Location	(Twp., Lot, Con.	or Lat. and Long.)	
Exploration	n Co., Owne	r or Optionee		Date Submitted	Submitted by (Sign	nature)	Ft.								
							Ft.					Property I	Name		
Foo	otage .			<u> </u>	<u> </u>		Ft.	81-1-1				<u> </u>	,	A 1	
	To	Rock Type		Colour at	Description rain size, texture, minera			Planar Feature	Core Specimen Footage †	Your Sample No.		Footage	Sample Length	Assays †	
From 197 0	194.5	graphitic argilli	to magni		ded graphitic			Angle *	rootage †	Daniple NO.	From	То	Length		+
107.0	194.5	graphitic argilli		n a 1" band		c a pyritic	argillite	30	 	ļ		ļ			
			30% py 11	n a 1 band	at 192:			 	 			 			
194.5	227	Bleached Andesite	? massive l	highly lead	ned light to	med orev vo	olcanic friable	 	 			 			
				ized in place				 	†	1					1
	<u> </u>					easing to 25	in lower section.			1.			 		
					.v.'s (\(\ .8" \)		shr	50	 			<u> </u>	l		
			205 - 209), 217 - 221	Fault zone										
227	244	Bleached Andesite	massive n	mod leached	med to dark	grey, weak	ly carb'd volc.								
					nd gradationa										1
			some qv's	s generally	∠.5" py 1	- 3% disser	inated and								
\$						ciated with		1	1						
8: 7 8: 8: 4								1							
244	322.5	Andesite			tan sl cb d v			T							
		(occasionally	high cond	centration (of grey-black	k, microfrac	tures								
		pillowed)		chloritic t	throughout.	-	shr	30-40							
<u>}</u>			quartz 4												
ř			py 1% to												
7							and by 280 is								
					i the dominar	nt sulfide s	species has changed								
1			from py t	to po.	-				<u> </u>						1
			po ∠ 2%												
4					se in amount			30-40							
					eats & 9 narr										
i			316-322.5	5 gradual de	ecrease in gr	reen colour	replaced by tan-								
			grey (as				weak shrs	35-40							
					<u> </u>	· · · · · · · · · · · · · · · · · · ·									
20 1															1



Page No. Fill in on Hole No. every page MH 78-7 Drilling Company Collar Elevation Bearing of hole from Total Footage true North Dip of Hole at Location of hole in relation to a fixed point on the claim. Map Reference No. Claim No. Collar Date Hole Started Date Completed Location (Twp., Lot, Con. or Lat. and Long.) Date Logged Logged by Ft. Exploration Co., Owner or Optionee Date Submitted Submitted by (Signature) Ft.

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					Ft.					Property	Namo		·	
					Ft.]		•		Property	Name			. •
age				Description		Planar	Core	Your	Sample	Footage	Sample	I	Assays †	
То	Rock Type		Colour, gra			Feature Angle *	Specimen Footage †	Sample No.		То	Length	Au		
350	Andesite	gradual inc	rease in car	bonatization and theref	ore tan grey									
	(fragmental?)	colour also	increase in	microfractures (black-	grey) down hole									
	strong calcite	and irregul	ar discontin	uous quartz-cb sweats &	veinlets									
	alteration								•					
		Contact mar	ked by .3' p	outty coloured band (wit	h apple green									
		clots) and	10 - 15% py	(disseminated)							<u> </u>		<u> </u>	
														<u> </u>
399	Chert-argillite			onate (calcite) graphit	e pyrite unit						5	tr		<u> </u>
	graphite - carb	bedding 45°							365		4	tr		
	IF - same as	350.3 - 357	.0 mainly bl	ack sl graph chert with	10 - 15% calcite			7903	369	376	7	tr		
	Whitney	veins and s	weats py occ	asional disseminated gr	ains but largely			7904	376	380	4	.005		
								7905	380	385	5	.005		
		352 - 362.5	nearly mass	ive white calcite with	minor black chert			7906	385	390	5 .	tr		
		py 4 2%						7907	390	395	5	tr		
		362.5-370 C	hert-calcite	unit minor gf-py 2 - 5	%			7908	395	399	4	.002		
		368 - 370 f	inely bedded	l more graphitic	·		•	•			·			
		365.5 .5"	putty colour	red unit as at 350.	·									
		370 - 399 t	hinly bedded	graphitic argillite	bedding throughout	65-70								
399.5	Py exhalite	20 - 30% f-	mg py set in	a f-vfg light grey to	sl graphitic			7909	399	404	5	.002		
								7910	404	409	5	.002		
468	Cb'd volcanic	grey-tan gr	ading to bro	wn massive volcanic by	413'			7911	409	414	5	tr		
	strong calcite	quartz <10	% overall					7912	414	419	5	tr		
	alteration 399.5			1)				7913	419	424	5	tr		
	470'	occasional	trace of sil	ver white sericite alon	g shr planes			7914	424	429	5	tr		
		shearing is	weak and in	regular throughout										
													1	1
								1		1		1		
	399 .5	To RockType 350 Andesite (fragmental?) strong calcite alteration 399 Chert-argillite graphite - carb IF - same as Whitney 399.5 Py exhalite 468 Cb'd volcanic strong calcite alteration 399.5	To 350 Andesite gradual incompleted (fragmental?) colour also strong calcite and irregulateration averaging 1 Contact man clots) and clots) and series of the series of t	To Rock Type gradual increase in car (fragmental?) colour also increase in strong calcite and irregular disconting alteration averaging 15% in lower Contact marked by .3' processed and irregular disconting averaging 15% in lower Contact marked by .3' processed and 10 - 15% py 399 Chert-argillite Very complex chert-carb bedding 45° IF - same as 350.3 - 357.0 mainly bloom whitney veins and sweats py occur developed as irregular 352 - 362.5 nearly mass py <2% 362.5-370 Chert-calcite 368 - 370 finely bedded 365.5 .5" putty colour 370 - 399 thinly bedded occasional cherty py no 399.5 Py exhalite 20 - 30% f-mg py set in ground mass grey-tan grading to brook strong calcite quartz <10% overall alteration 399.5 - py 1 - 3% (disseminated occasional trace of sile occasional trace occasional trace occasional sile occasional trace occasional trace occasional sile occas	To Hock Type gradual increase in carbonatization and theref (fragmental?) colour also increase in microfractures (black-strong calcite and irregular discontinuous quartz-cb sweats & alteration averaging 15% in lower section shearing we Contact marked by .3' putty coloured band (wit clots) and 10 − 15% py (disseminated) 399 Chert-argillite Very complex chert-carbonate (calcite) graphit graphite − carb bedding 45° IF − same as 350.3 − 357.0 mainly black sl graph chert with Whitney veins and sweats py occasional disseminated graphite developed as irregular elongate modules (broke 352 − 362.5 nearly massive white calcite with py ∠2% 362.5-370 Chert-calcite unit minor gf-py 2 − 5 368 − 370 finely bedded more graphitic 365.5 .5" putty coloured unit as at 350. 370 − 399 thinly bedded graphitic argillite occasional cherty py nodules ∠1" long. 399.5 Py exhalite 20 − 30% f-mg py set in a f-vfg light grey to ground mass grey-tam grading to brown massive volcanic by strong calcite quartz ∠10% overall alteration 399.5 − py 1 − 3% (disseminated)	To Rock Type Description Colour, grain size, texture, minerals, eleration, etc. 350 Andesite gradual increase in carbonatization and therefore tan grey (fragmental?) colour also increase in microfractures (black-grey) down hole strong calcite and irregular discontinuous quartz-cb sweats & veinlets alteration averaging 15% in lower section shearing weak & irregular Contact marked by .3' putty coloured band (with apple green clots) and 10 − 15% py (disseminated) 399 Chert-argillite Very complex chert-carbonate (calcite) graphite pyrite unit graphite − carb bedding 45° IF − same as 350.3 − 357.0 mainly black sl graph chert with 10 − 15% calcite Whitney veins and sweats py occasional disseminated grains but largely developed as irregular elongate modules (broken beds) 352 − 362.5 nearly massive white calcite with minor black chert py ∠2% 362.5-370 Chert-calcite unit minor gf-py 2 − 5% 368 − 370 ffinely bedded more graphitic 365.5 .5" putty coloured unit as at 350. 370 − 399 thinly bedded graphitic argillite bedding throughout occasional cherty py nodules ∠1" long. 399.5 Py exhalite 20 − 30% f-mg py set in a f-vfg light grey to sl graphitic ground mass 468 Cb'd volcanic grey-tam grading to brown massive volcanic by 413' alteration 399.5 − py 1 − 3% (disseminated) occasional trace of silver white sericite along shr planes	Pearly P	RockType RockT	Plant Core Plant Core Plant Core Plant Core Plant Core Protupe Specimen Sample No.	Bige Rock Type Description Colour, grain size, instance, minorals, alteration, etc. Plant Specimen Angele Rock Type Colour, grain size, instance, minorals, alteration, etc. Flant Specimen Angele Readural Increase in carbonatization and therefore tan grey (fragmental?) colour also increase in microfractures (black-grey) down hole strong calcite and irregular discontinuous quartz-cb sweats & veinlets	Property Property			



Fill in on every page MH 78-7 4

<u> </u>							every p	age 🎔 [MH 78-7	4
Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	° Location of hole in relation fixed point on the claim.	to a Map Reference No.	Claim No.	
Date Hole Started	Date Completed	Date Logged	Logged by		Ft.	•	Location (Twp., Lot,	Con. or Lat. and Long.)	
xploration Co., Owner or O	ptionee	Date Submitted	Submitted by (Signa	ature)	Ft.				
					Ft.	•	Property Name	·	
Footage			Description		<u> </u>	Blace Com	0	T	

					Ft.					1				
	tage	Rock Type		Description		Planar Feature	Core	Your	Sample	Footage	Sample		Assays †	
From	То	riock Type		lour, grain size, texture, minerals, alterat	•	Angle *	Specimen Footage †	Sample No.	From	То	Length	Au oz.		
		High calcite to	431 - 445 slight	ly grey tan with minor	r graphite along fracture			7926	440	445	5	tr		
		496'		· · · · · · · · · · · · · · · · · · ·	weak shearing	35-45		7927	445	450	5	.002		
			445 - 465 tan can	bonated volcanic ∠5				7928	450	455	5	.002		
				<u> </u>	% py minor po.			7929	455	460	5	tr		
			465 - 468 tan to	v slightly green-tan	cb'd volcanic.			7930	460	465	5	tr		<u> </u>
				· · · · · · · · · · · · · · · · · · ·				7931	465	470	5	.002		
68	568.3	Andesite		light green po bear				470 -	473 10	& diss_	by - po			
		below 496' minor		ined, weakly chloriti				L						
		calcite in frac-	minor qtz-cb gash	type veinlets	po 1 - 3%			7932	470	475	5	.03		
		ture only to 523			py ∠ 1%			7933	475	480	5	.025		
			qv at 10° to CA a	t 491'				475 -	479 10	Ldiss.	po - py	_ cnv		<u> </u>
					weak shearing	45					-			
			499 - 500 a few a		ow margin at 502 & 499 &	489		11			l			
				ous finely amygdaloida				7915	535	538	3	tr		
		High calcite 523-	very gradual chan	ge in colour starting	g at 535 from light	1		7916	546	551	5	.05		
		601	green to light gr					7917	551	556	5	tr		L
				mygdules from 539 - 5				7918	561	566		.002		l
				here is a noticable i				7919	566	571	5	.002		
				aring, shear planes a				7920	571	576	5	.005		
				is also an increase	in qtz veins & veinlets			7921	576	581	5	.002	·	
			to 5%		shearing	15-25		7922	581	586	5	tr		<u> </u>
		-						7923	586	591	5	.002		
								7924	591	596	5	tr		
								7925	596	600	4	.002		
								1						
								7959	556	561	5	.005		
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^{*} For features such as foliation, bedding, schistosity, measured from the tong axis of the co

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	Ministry of	Di	amond				
P)	Natural	Dr	illing	•			
Ontario	Resources	t o	ıα		•		

Drilling Company

Date Hole Started

Drilling	•		* .						
Log							Hole No.	Page No.	
·						every page	MH 78-7	5	
	Collar Elevation	Bearing of hole from Total Footrue North	tage Dip of Hole at	° Location of hole i		Map Reference No.	Claim No.		
·			Collar	fixed point on the	ciaim.		ł		
Date Completed	Date Logged	Logged by		•		Location (Twp., Lot, Con. or	Lat. and Long.)		١.
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Exploration	Co., Owne	r or Optionee	······································		Date Submitted	Submitted by (Signature)	- Ft.									
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	•	žer.						1				Property I	Name			
Foot	tage					Description	Ft.	Planar	Core	Your	Sample	Footage	Sample		Assays †	
From	То	Rock Ty				in size, texture, minerals, alteration, etc.		Planar Feature Angle *	Core Specimen Footage †	Sample No.	From	То	Length		, 1000, 0	
568.3	583.5	Argillite		apparent	volcanic fl	ow contact marked by sh	eared andesite-	ļ							:	
		Andesite		argillit	e zone, the	andesite being fine gra	ined, vessicular									
				(py & qt:	z-cb filled)	. Due to shearing no b	edding is									
				apparent	in the argi	llite but rather it is	streaky within									
				the andes	site											
	-	•					shearing	10-15		ļ						
583.5	601	Andesite		Sheared	to massive +	an green to light green	fo andocita		<u> </u>	 	··· • · · · · · · · · · · · · · · · · ·					
303.3	001	MIGESTEE		weakly de	eveloped bro	wn sericite along shear	nlance also			-						
				some chlo	orite along	shr's.	pranes, arso	1								
		**************************************						1								-
				quartz ve	eins 2 - 5%			-			· · · ·	<u> </u>	<u> </u>			
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(23)	-Natural	
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Hole No. MH 78-7 Page No. Fill in on Map Reference No.

Drilling Co				······································	Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	° Locatio	on of hole in oint on the o	relation to a		Map Refe	rence No.		im No.	1
Date Hole	Started		Date Comple	eted	Date Logged	Logged by		Ft.	1				Location	Twp., Lot, C	on. or Lat.	and Long.)	
Exploration	n Co., Owne	er or Optionee	L		Date Submitted	Submitted by (Sig	nature)	Ft.									•
		• .						Ft.	•								
							. •	Ft.					Property I	Name			
	tage	Rock	Гуре			Description	}		Planar Feature Angle *	Core Specimen Footage †	Your	Sample	Footage	Sample	· · ·	Assays †	
From	То				Colour, gra	ain size, texture, miner		·	Angle *	Footage †	Your Sample No.	From	То	Length	Au oz		
						210	idge Assays			ļ	7840	140	150	10	.002		
											7941	150	160	10	.005		
					· · · · · · · · · · · · · · · · · · ·												
											7842	160	170	10	.01		
											7843	170	180	10	.002		
											7844	180	190	10	.005	<u> </u>	
											7044	100_	130	10	•005		
							····				7845	190	200	10	.005		
						 			+		7846	200	210	10	.002	 	ļ <u> </u>
											7040	200	210	10	.002	 	
					· · · · · · · · · · · · · · · · · · ·						7847	210	220	10	.01		
											7848	220	230	10	.002		
																	
											7849	230	240	_10	Tr	 	
						· · · · · · · · · · · · · · · · · · ·					7850	240	250	10	.002	 	
ţ*											7050	240	2.50	10	- VVZ	<u> </u>	
		· · · · · · · · · · · · · · · · · · ·									7851	250	260	10	Tr		
								· · · · · · · · · · · · · · · · · · ·			7852	260	070			ļ	
			· <u>·</u>								1032	260	270	10	Tr	1	
											7853	270	280	10	-005		
						· · · · · · · · · · · · · · · · · · ·											
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Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at		Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
Date Hole Started	Date Completed	Date Logged	Logged by		Ft.	•		Location (Twp., Lot, Con. o	r Lat. and Long.)	
Exploration Co., Owner or Option	onee	Date Submitted	Submitted by (Sign	nature)	Ft.	•				

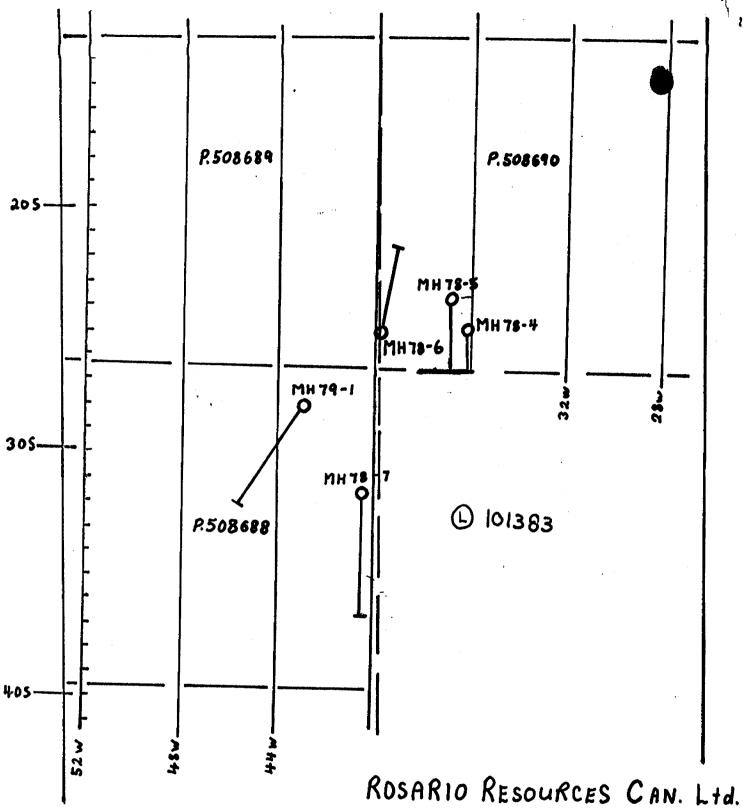
				Date Submitted	Submitted by (Signature)	• •					ł				
Exploration	Co., Owne	r or Optionee		Date Submitted	Submitted by (Signature)	Ft.									
			•			Ft.					Property I	Name			
		· .			Barra Mara	Ft.	Planer	Core		Sample	Footage	0		Assays †	
Foot		Rock Type		Colour gra	Description in size, texture, minerals, alteration, etc.		Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	From	To	Sample Length	Au oz.	7,000,0	
From	То	12. T. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12			Sludge Assays		Aigie	Toolage		110111	10-	 	Au UZ		
				·····	ordage radayo				7854	280	290	10	.002		
							 		7054						
								·	7855	290	300	10	.002		
										HUMB TO THE TOTAL PROPERTY OF THE PARTY OF T					
				1 18 11 11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14					7856	300	310	10	Tr		
					•										
									7857	310	320	10	Tr		
															<u> </u>
									7858	320	330	10	Tr		
												<u> </u>			
						·····			7859	330	340	10	Tr		
										·	<u> </u>	<u> </u>			
									7860	340	350	10	Tr		
	•								 		<u> </u>	<u> </u>			<u> </u>
									7861	350	360	10	Tr		
							ļ		1	2.50		 		· · · · · · · · · · · · · · · · · · ·	
					·				7862	360	370	10	Tr		
							 		7060	~~~	1 200	 	000		-
							ļ		7863	370	380	10	.002		
							 	<u> </u>	7064	380	390	10	.002	·	-
								<u> </u>	7864	300	1 390	10	.002	,	
						<u> </u>	 		7865	390	400	10	.005		
			<u> </u>			<u> </u>	 		1.003	_370	400	 10			
				The state of the s		· · · · · · · · · · · · · · · · · · ·	 		7866	400	410	10	.002		
							 		7000	<u> </u>	7.0	<u> </u>			
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^{*} For features such as foliation, bedding, schistosity, measured from the long axis of the con-



Ontario	Log						Fill in on 🛕	Hole No.	Page No.
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Orilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	° Location of hole in relation to a	Map Reference No.	Claim No.	
					Collar	fixed point on the claim.	Ī		
Date Hole Started	Date Completed	Date Logged	Logged by		Ft.	•	Location (Twp., Lot, Con. or	Lat. and Long.)	
xploration Co., Owner or Option	ee	Date Submitted	Submitted by (Sig	nature)	Ft.				
					Ft.		Property Name		<u> </u>
				•	Ft.	•			

				Ft.					Property N	Vame			<u> </u>
Footag		Rock Type	Description		Planar Feature Angle *	Core Specimen Footage †	Your Sample No.		Footage	Sample Length		Assays †	
From	То		Colour, grain size, texture, minerals, atteration, etc.		Angle *	Footage †		From	To		Au oz.		
			Sludge Assays				7867	410	420	10	.005		
							7868	420	430	10	.002		
							1000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100				
							7869	430	440	10	Tr		
							7870	440	450	10	.005		
	-						7071	/ 50	460	10	005		
				·			7871	450	460	10	.005		
							7872	460	470	10	.002		
		_					, , , , , ,		1 .,,				
							7873	470	480	_10	.005		
							7874	480	490	10	.002		
							7075	/00	100		000		
						-	7875	490	499	9	.002		
-			Lost return				 						
													· · · · · · · · · · · · · · · · · · ·
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Drill Hole Location Map
Hoyle Twp.

1" - 400'



Land of the secretary

Diamond Drilling Log

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Drilling Co	mpany				Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at			relation to a		Map Refe	rence No.		m No.	
<u> </u>		DOMINIK			0	N 15 E	540	Collar -45	fixed po	oint on the o	ciaim.				P.	508690	
Date Hole S		·	Date Comple	eted	Date Logged	Logged by B.	Durham &	156 Ft. 50	7				Location (Twp., Lot, C	on. or Lat. a	and Long.)	-
	Decemb	er 12/78	Decembe	er 17/78	Dec 19	R. I	Middleton	156 Ft. 50	-								
Exploration	Co., Owne	r or Optionee			Date Submitted	Submitted by (Sig	nature)	356 Ft. 49	L	40W 25 H	F 20S		1	Hoyle Tw	p. Con.	II, lot	8.
	•						•		7						N ¹ 2, S		
	ROSARI	O RESOURCE	ES CANADA	A LTD.		1/1	1.11.	540 Ft. 39	-				Property I	Vame			
				· · · · · · · · · · · · · · · · · · ·		1 100	collitan	Ft.						Mu	rphy-Ho	v1e	
F00	tage	Rock	Typo			Description	1		Planar	Core Specimen	Your	Sample	Footage	Sample		Assays †	
From	То	HOCK	Type		Colour, gr	ain size, texture, miner	als, alteration, etc.	•	Feature Angle *	Footage †	Sample No.	From	То	Length	Au oz.		
0	155	Overbur	den	Casing t	hrough overb	urden											
	,																
155	157	grey was	cke	Massive,	light grevi	sh green gre	ev wacke wi	th rare thin-angula	50								
				argillit	e frags up t	o .7" long.		trace ov					1				
															İ		
157	159	argillii	te	broken c	ontact to po	orly bedded	med grey a	gillite	40								
159	165	grey wad	cke	massive	light grey g	rev wacke wi	th 5% angu	lar and thin	50								
					e fragments			py-tr5%									
										1							····
165	172.5	Argillit	te	largely	bedded (ligh	t and med or	ev) aroill	te with narrow	1		1						
		(grey wa		grev wad	ke beds (to	os up hole)	<u> </u>	py .5%	35								
								<u> </u>						· · · · ·		. 1	
172.5	220	grey wad	ke	largely	grev wacke s	equences wit	h minor are	illite bands	1					<u> </u>			
		(argilli		at the t	op of each s	equence		<u> </u>									
					tops at 172		173.	.1" qv with 10% p	b)								
					176		179	ops up hole	35								
					177			tops up hole	32	<u> </u>							
					179			where with the same and the	50	4			 				
					181		echie	tosity 187	50		1				1	. 1	
					186						1						
					192				40								
					195				30-40				 			<u> </u>	·
			······································		199			. 4(30_40				†	 			
					209		F	· · · · · · · · · · · · · · · · · · ·	352		1 1			1			
		•		1 1 1 1	218			1	20		†		1				
				Mild cla	y alteration		ike in 74-3	2 holes	1~~				T				
								cke and become	1		1				1		
					finer up ho								 	 			
				(general				py forms nearly		 	1	· · · · · · · · · · · · · · · · · · ·	 	 	<u> </u>)
				Reneral				ins along some	 		1		1	 	 	T	
						wassive	nations ve	•	 	 	1		 		 		
						·····		fractures	 	 	-{		 	 	 		

Fill in on

every page

Hole No.

Page No.



Ontario	Log								•		Fill in on every pag		e No. 1 78–6	Page No.
Orilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at		n of hole in oint on the o	relation to a claim.	l	Map Refe	rence No.		im No.	
Pate Hole Started	Date Completed	Date Logged	Logged by		Ft.					Location (Twp., Lot, Co	on. or Lat.	and Long.)	
xploration Co., Owner or Optionee		Date Submitted	Submitted by (Sign	nature)	Ft.									
					Ft.	•				Property N	lame	. ·	· · · · · · · · · · · · · · · · · · ·	
Footage	Type		Description			Planar	Core Specimen	Your	Sample	Footage	Sample		Assays †	
From To	1700	Colour, gr	ain size, texture, minera	ls, alteration, etc.		Feature Angle *	Footage †	Sample No.	From	То	Length	Au oz.		
220 316.5 argillit	e + medium to	dark grey ma	ssive argill	ite - rarel	y bedded enough	1		 						-

						.Ft.									
	tage	Rock Type			Description		Planar Feature	Core Specimen	Your	Sample	Footage	Sample		Assays †	
om	То	Tiook Type		Colour, gra	in size, texture, minerals, alteration, etc.		Angle *	Footage †	Sample No.	From	То	Length	Au oz.		
)	316.5	argillite +	medium to d	ark grow mad	ssive argillite - rarel	w haddad anauch		·	 	·					-
	320.3	grey wacke			slightly graphitic	221	20	<u></u>	 						
		grey macke	to obtain t	ore ungress.	Singuity graphitic	227	20	· ·					 		
						249-257	5						<u> </u>	·	l
						269	5								
						271	10								-
			py occurs t	hroughout se	ection mainly as coarse	euhedral isolated									
			gráins py c	ontent 1 - 3	3%	• .									
					3-289 with 50% recovery	-			7934	282	289	. 7	Tr		
				ing 1" @ 29					7935	290.5	292.5	2	Tr		
			Quartz vein	ing 1" @ 29											
				1" @ 29)4										
						297	24				-				
						299	5								
			Becomes pre	dominately g	rey wacke @ 301 and bo	th coarse and fine			7936	301	305	4	Tr		
			pyrite begi	n to appear	3 - 6% to 316				7937	305	310	5	Tr		
		and the second s	 			306	25		7938	310	315	5	Tr		ļ
									 			ļ			ļ
.5	480	Graphite			ue argillite bands, yu				·				ļ		
			5% pyrite n	odules and f	ragments start @ 329 -										ļ
			<u> </u>			ding 326	15								
				<u> </u>	(fold axis)	335	0		 			<u> </u>			
			<u> </u>			337	10						<u> </u>		
					 				 		·	<u> </u>	<u> </u>		ļ
		Between the second seco	-						<u> </u>			ļ	 _		<u> </u>
									 			 			
-+	 			-					 				ļ		<u> </u>
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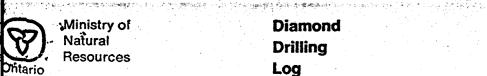


Fill in on Hole No. Page No. every page MH 78-6 **Drilling Company** Total Footage Collar Elevation Bearing of hole from true North Dip of Hole at Location of hole in relation to a fixed point on the claim. Map Reference No. Claim No. Collar Date Hole Started Date Logged Date Completed Logged by Location (Twp., Lot, Con. or Lat. and Long.) Ft. Exploration Co., Owner or Optionee Submitted by (Signature) Date Submitted Ft.

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						Ft.							<u>. </u>		
	•					FL					Property N	lame			
Foot	tage	Dools Trees	- Web 1005-101-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	<u> </u>	Description		Planar	Core	Your	Sample	Footage	Sample	<u> </u>	Assays †	
om	То	Rock Type			in size, texture, minerals, alteration, etc.		Feature Angle *	Specimen Footage †	Sample No.	From	То	Length	Au oz.		<u> </u>
6.5	480	Graphite	2' core 1	loss @ 344											
						· · · · · · · · · · · · · · · · · · ·	ļ		7939	344	349	5	Tr		
_cop	tinued		4" band 7	70% pyrite @	360'		 		<u> </u>		<u> </u>				
			31 core 1	loss @ 362			 				 				-
			J_core_i	1033 6 302			 								
			Otz bandi	ing 342-348	65° to core ax	s	 								
					349)	0								
					35	7	30								
			40% pyrit	te 362 –	364		<u> </u>		7940	360	365	_5	.005		
			T.J	1 47° to CA		399	27				<u> </u>				
			Lineation	14/ TO CA			 				 				
			Poor reco	overy 368-3	70		 				<u> </u>				
				loss @ 380			 								
					again 380 5% then	disappears by 386									
					Beds	and shears @401	42								
	· · · · · · · · · · · · · · · · · · ·		Pyrite no	dules begin	again 401 and increase	es to 15% by 403			7941	401	407	6	.005		
	· · · · ·		to 420	4 4			 		7942	412	417	_5	.005		
			silica-ca	ucite tragme	nts and in filling according to 5% after 420'	ompany pyrite then					ļ				
			ру - 5111	ca uecreases	schistosity	420°	35				 				
					Beds @ 42°		50			,					
			Quartz ve	ins + py 1%					7943	447	449	2	Tr		
$-\bot$					and the second s		<u> </u>								
			 	·			ļ	·			<u> </u>				
					· · · · · · · · · · · · · · · · · · ·		 		 						
			· · · · · · · · · · · · · · · · · · ·				-		 		<u> </u>	·			
					-		1.7								
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Ontario		Log										Fill in or			Page No.
Drilling Company			Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	Location	on of hole in	relation to a	ı	Map Refe	every pa rence No.	- 2.44.4	78-6 im No.	4
Pate Hole Started	Date Comp	oleted	Date Logged	Logged by		Collar			, , , , , , , , , , , , , , , , , , , 		Location	Two Lot (on. or Lat. a		
_						Ft.					Location	i wp., Lot, (on. or Lat. a	and Long.)	
xploration Co., Owner	er or Optionee		Date Submitted	Submitted by (Sig	nature)	Ft.									
						Ft.	•								
						Ft.	•				Property I	Name			
Footage	Rock Type			Description		Pt.	Planar	Core	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Sample	Footage		,	A A	
From To				ain size, texture, minera	als, alteration, etc.		Feature Angle *	Core Specimen Footage †	Your Sample No.	From	To	Sample Length	Au oz.	Assays †	
326.5 480	Graphite	Felsic s	ilica fragmer	its $\frac{1}{2}$ " + in:	fillings som	netimes have					1		Au OZ.		
-		sericite	associated w	rith them. !	<u>These felsion</u>	clots diminish									
		1rom 420	to 5% and th	en 1% after	427 but suc	ldenly appear at									
	·	431 as 10	0% 1/8" sized	tragments a	and in fill:	ing to 466 then									
		beginning	nto black gra g to show	philie with 1	Laint argil.	lite banding			7077	450	100		· ·		
			B CO ONOW						7944	459	464	5	Tr		
		3' core	loss 475-480						 		 				 -
		3% large	לי" pyrite cu	bes 466-480		461	40								
.00												, ,,			
480 540	Argillite	Grey band	ds 1' wide of	grey wacke	- argillite	sequence									
			@ 484 and 48						7946	484	485.	1.3	Tr		
		5% dissem	ein 492' perp . ankerite 4	<u>endicular to</u>	beds	104									
		Tops up h		50 - 540		481	34			-					
		2000 47 11	O.C.		Beds flat	485 ten 490	37 50			***************************************	<u> </u>			ļ	
					down ho		27							<u> </u>	
					down no	1e 433					-				
		っち" Otz ve	in 494.5 and	beds turn.	Otz vein i	s in fault?	60	i.	7945	494	495	1	Tr		
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Drilling Company

Diamond Drilling Log

Collar Elevation Bearing of hole from Total Footage true North

Fill in on Hole No. Page No. MH 78-6 every page 5

ling Company			Collar Elevation	Bearing of hole from Total Footage true North	Dip of Hole at	Locatio fixed po	n of hole in int on the c	relation to a		Map Refe	rence No.	Clai	m No.	
Hole Started	Dat	e Completed	Date Logged	Logged by	Ft.					Location	(Twp., Lot, (Con. or Lat.	and Long.)	
ation Co., Own	er or Optionee		Date Submitted	Submitted by (Signature)	Ft.	•						-		
				Te de la constant de	Ft.	•								
					Ft.					Property I	Name			
Footage	Rock Type			Description	Ft.	Planar Feature	Core Specimen Footage †	Your	Sample	Footage	Sample	1	Assays †	
n To	- Took type			ain size, texture, minerals, alteration, etc.		Angle *	Footage †	Sample No.	From	То	Length	Au oz.		I
		Qtz veir		g" gash					•			ļ		
		Otz veir		d" vein	· · · · · · · · · · · · · · · · · · ·						ļ		<u> </u>	↓
		Qtz veir		r sericite						ļ	ļ <u>.</u>	 		
		Otz ven	is 314.5	L" + sericite								 		
		Fold axi	s @ 504			35		7947	511.9	513	1.1	Tr		1
			507			0								1
			508 Bed	ls		30	***************************************	7948	514	515	1	Tr		
			509 Bed			0						İ	1	
			511 Bed			45								
			514 Bed	lding		40								
		· · · · · · · · · · · · · · · · · · ·	517			60								
		Quartz v	reins 521.	2 1.11							-	<u> </u>		
		cut bedd										 		
		CUL DEUG	523.		70°							-	 	+-
			524.		70				· · · · · · · · · · · · · · · · · · ·	·		 		+
			524.				*****	7949	523	525	2	Tr	 	
			524.		70°			7,747						
			529		\							 		
			531		60°			7951	530.5	531.5	1	Tr		
·			535.		408			7950	535	536	î	Tr		
			<u> </u>											
				Bed	s 532'	33								
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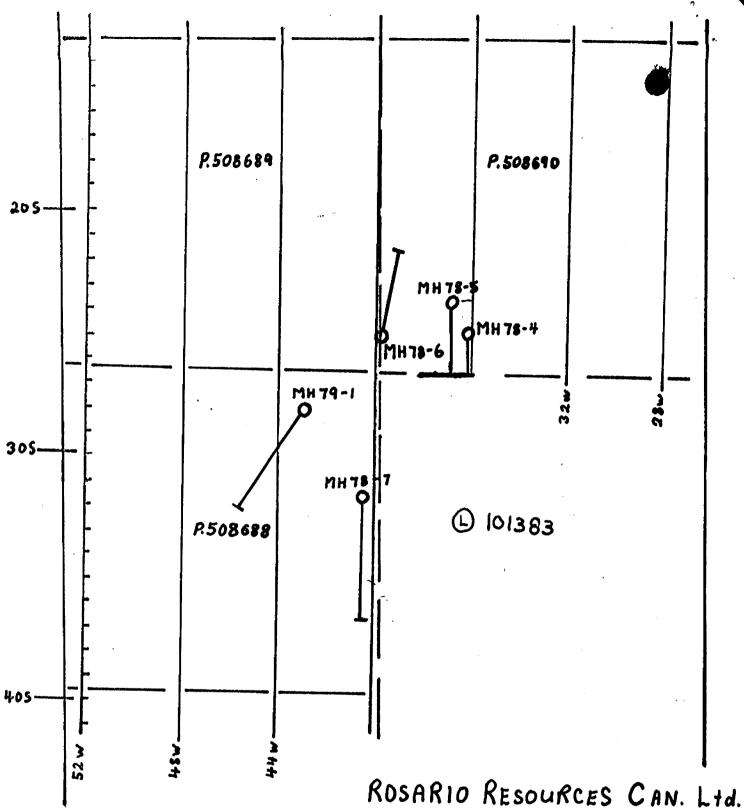
Ontario	Log						Fill in on every page	Hole No. Page No. MH 78-6 6
Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
Date Hole Started Date	Completed	Date Logged	Logged by		Ft.		Location (Twp., Lot, Con. or	Lat. and Long.)
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Sig	nature)	Ft.			
		*			Ft.		Property Name	· · · · · · · · · · · · · · · · · · ·
		 	•					

			Ft.					Property N	lame			
			Ft.									
Footage	Rock Type	Description		Planar Feature	Core Specimen Footage †	Your		Footage	Sample		Assays †	
From To		Colour, grain size, texture, minerals, alteration, etc.		Angle *	Footage †	Sample No.		То	Length	Au oz	<u> </u>	
		Sludge				7801	155	160	5	Tr	<u> </u>	
- '						7802		170	10	.002		
							170	180	10	Tr		
	<u> </u>					7804	180	190	10	Tr		
							190	200	10	.002		
					· · · · · · · · · · · · · · · · · · ·	7806		210	10	Tr		
					- · · · · · · · · · · · · · · · · · · ·	7807		220	10	Tr	 '	
						7808	220	230	10	Tr		
						7809	230	240	_10	Tr		
		· · · · · · · · · · · · · · · · · · ·				7810		250	_10	Tr		
						7811		260	10	Tr	<u> </u>	
						7812		270	10	Tr		
						7813		280	10	Tr		<u> </u>
						7814	280	290	10	Tr		1
						7815	290	300	10	Tr		
	:					7816		310	10	Tr		1
						7817		320	10	Tr		
						7818	320	330	_10	Tr		
						7819		340	10	Tr		T
						7820		350	10	Tr		
						7821	350	360	10	Tr		
						7822	360	370	10	Tr		
						7823	370	380	10	Tr		
						7824	380	390	10	Tr		
							390	400	10	Tr		
					•		400	410	10	Tr		1
				1		7827	410	420	10	Tr		
						7828	420	430	10	.002		1
						7829	430	440	10	Tr		_
						7830	440	450	10	Tr	T	
						7831	450	460	10	Tr		Ŧ
						1031	4.JU	400		15		+
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Ontario		Log									Fill in on	Hole No.	Page No.
											every pa	ige ▼ MH 78-6	7
Drilling Company		Collar Elevation	Bearing of hole from	Total Footage	Dip of Hole at				1	Map Refe	rence No.	Claim No.	
					Collar	fixed po	oint on the	claim.					
Date Hole Started	Date Complet	ted Date Logged	Logged by		Ft.					Location (Twp., Lot, C	Con. or Lat. and Long.)
Exploration Co., Owne	r or Optionee	Date Submitted	Submitted by (Sig	nature)	Ft.	•							
					Ft.					Property N	lame		
					Ft.	•				l'iopery i	·		
Footage	Rock Type	Collar Elevation Bearing of hole from Total Footage Dip of Hole at Collar Collar Date Logged Logged by Ft.											
From To		Colour,	grain size, texture, miner	rals, alteration, etc.		Angle *		Sample No.	From	То	Length	Au oz	

				Ft.	-				Property I	lame			
Footage	 	· · · · · · · · · · · · · · · · · · ·	Description	Ft.	Planar	Core	V	Sample	Footage		I	Assays †	
	То	Rock Type	Colour, grain size, texture, minerals, alteration, etc.		Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	From	To	Sample Length	Au oz.	Assays	T
			S1udge_				7832	460	470	10_	Tr		1
							7833	470	480	10	Tr		
							7834	480	490	10	Tr		
							7835	490	500	10	Tr		
-							7836	500 [′]	510	10	Tr		
							7837	510	520_	10	Tr	<u> </u>	
					ļ	····	7838	520	530	10	Tr		
							7839	530	540	10	Tr		
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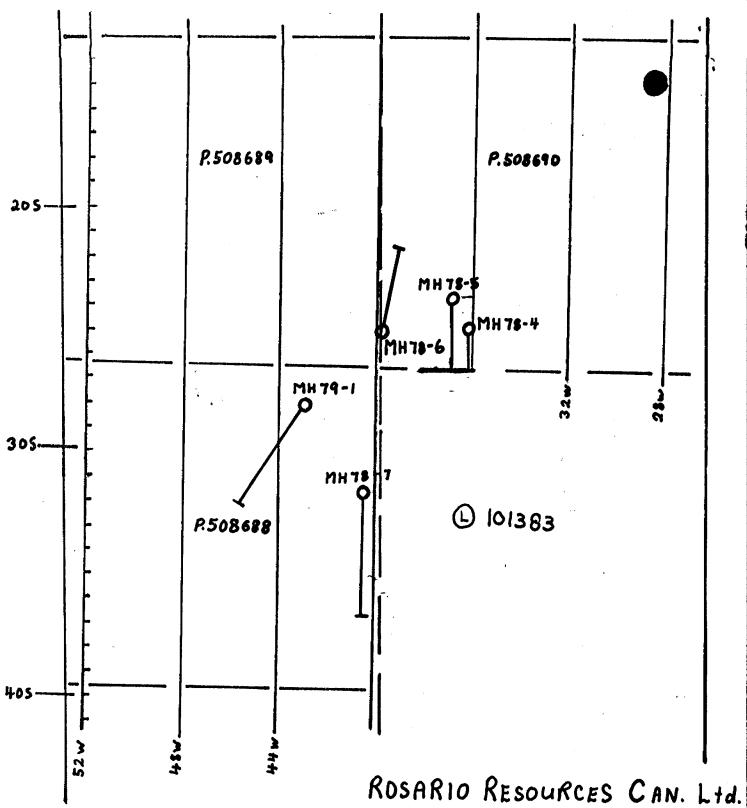
ROSARIO RESOURCES CAN Drill Hole Location Map Hoyle Twp.

1" - 400'



Ontario Log					Fill in on every page MH 78-4 1
Drilling Company DOMINIK	Collar Elevation	Bearing of hole from true North 180° Total Footage	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No. Claim No. P. 508690
Date Hole Started Dec. 2/78 Date Completed Dec. 5/78	Date Logged Dec. 5/78	R. Middleton	220 Ft. -47		Location (Twp., Lot, Con. or Lat. and Long.)
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)	Ft.	L 36W, 24 + 80S	Hoyle, lot 8, Con. II, N ¹ 2
ROSARIO RESOURCES CANADA LTD.		A Middleton	Ft.	•	Property Name Murphy Hoyle

<u> </u>				Troce - V- U	Ft.						Murp	hy Hoyl	e	
	tage	Rock Type		escription		Planar Feature	Core Specimen	Your		Footage	Sample		Assays †	
From	То			kture, minerals, alteration, etc.	·	Feature Angle *	Specimen Footage †	Sample No.	From	То	Length	Au oz.		
0	130	Overburden	0 - 40 Clay				· · · · · · · · · · · · · · · · · · ·		<u> </u>					
· ·			40 - 130 Sand + gravel			ļ								
														<u> </u>
130	240	Graphite Tuff	Black graphite tuff with coa	rse pyrite xls 20%	+ bands of		Sludge		130	200	70	.005		
		+ pyrite zone		· · · · · · · · · · · · · · · · · · ·			+ chips			ļ				-
			sericite + clay.			-		7704	200	204	4	.002		<u> </u>
		·		-0		ļ	71			-			3 1.	
			Beds contorted but overall 3	5° to CA			*1	7705	204	214	10	.002		 -
· · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·		11	7506		-				
			Dip possibly to south.			 		7706	214	224	10	Tr	<u> </u>	-
			01.1		120 220 41		11	17707	201	001	10			
			Sludge recovery mainly plus	poor core recovery	130 - 230 then	 		7707	224	234	10	.002		
			(0%				11	7700	22/	240		01	_	<u> </u>
			60% recovery 230 - 240.	-				7708	234	240	6	.01		
				06 : 100		<u> </u>	Core	7709	230	240	10	Tr		ļ
			Stopped hole on claim bounda	ry 26 + 40S	·					 	 			
		-						 	 					
				· · · · · · · · · · · · · · · · · · ·		-		 			 			
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i			· · · · · · · · · · · · · · · · · · ·			لنستسا	للنغم فنضمت	L	<u> </u>	<u> 1</u>	<u> </u>			



ROSARIO RESOURCES CA Drill Hole Location Map Hoyle Twp.

1" - 400'



Ontario	3	Log				•		Fill i ever	370	Hole No. MH-78-5	Page No.
Drilling Company	 		Collar Elevation	Bearing of hole from true North	Total Footage	DIP OF HOLE AT	Location of hole in relation to a fixed point on the claim.	Map Reference N	lo.	Claim No.	
	DOMINIK		1	180	510	collar -45	fixed point on the claim.			P. 5086	690
Date Hole Started		ate Completed	Date Logged	Logged by	· · · · · · · · · · · · · · · · · · ·	,	i	Location (Twp., L	ot, Con. o	r Lat. and Long.)	
December	6 /78 I	December 11, 1978	Dec.18/78	R. Middlet	on	ft]	-	1			
Exploration Co., Owner o	or Optionee		Date Submitted	Submitted by (Sig	nature)	ft	L 36W, 22 + 70S	Hoyle, Con	. 2, 10	ot 8, N½, S	SE ¹ 4
Rosario	Resources	Canada Ltd.		2 M	1	ft		Property Name			
Roburio	1100001000			KIL	deleton	fr]			Murphy	-Hoyle	
Footage	Rock Tvr	20		Description			Planar Core Your Sar Feature Specimen Your	nple Footage Samp	ole	Assays t	†

			1 Waltelm #					I	Mu	rphy-Hoy	те	
Foo	tage	Dook Turns	Description	Planar Feature	Core Specimen	Your		Footage	Sample		Assays †	
From	То	Rock Type	Colour, grain size, texture, minerals, alteration, etc.	Angle *	Footage †	Sample No.	From	То	Length	Au oz.		
0	132	Overburden	Clay - then sand gravel base.									<u></u>
								<u> </u>				
132	405	Argillite +	Grey to black + grey banding, clasts of dark slate in grey mg-fg									
		Grey wacke	gritty grey wacke bands			7952	138	140	2	Tr		
		·			-							
			Occassional coarse pyrite cubes ½ - ½".			7953	162	164	2	Tr		
			Lineations formed in bedding planes by shearing			ļ		ļ				
		· .	Tops up hole @ 157'			ļ						
			3104					 				
	_		Tops down @168', 219'					 			!	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Tops up @ 308, 321' 345 then tops down 350, 359, 380					 	ļ			
			Grey wacke beds up to 12" with portions of argillite beds in-					<u> </u>	<u> </u>			
			cluded and sometimes highly folded.			ļ		<u> </u>	<u> </u>			
												
			At least 2 stages of folding noted. Isoclinal folds.					<u> </u>				
			5" Qtz carb vuggy @ 237.0 + white sericite			7954	237	238	1	Tr		ļ
			1" Qtz carb vuggy @ 239 + white sericite/5% ankerite dissiminate	d @ 2	41	7955	238.5	239	.5	Tr		
			Thickness of black argillite and grey wacke beds increases after								-	<u> </u>
			243 to 4 ¹			7956	243	244	1	.025	ļ	
			Contorted carbonate in beds @ 243 - 244					<u> </u>				<u> </u>
			ኒ" Qtz carb vuggy vein @ 252									<u></u>
			\forall " white carbonate vein @ 275									
			Numerous bands carbonate + qtz 283 - 284 + 3% py			7957	283	284	1	Tr	ļ	ļ
			narrow Otz carb bands @ 361 - 362			7798_	361	362	<u> </u>	Tr		
								<u> </u>	<u> </u>			
				 	<u> </u>	<u> </u>		<u> </u>	<u> </u>			<u> </u>
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Drilling Company

Diamond Drilling Log

Fill in on Hole No. Page No. every page MH 78-5 Map Reference No. Claim No.

Drilling Co				Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at °		on of hole in oint on the o	relation to a	1	Map Refe	rence No.	Clai	m No.	
Date Hole	Started	Date Complete	ed	Date Logged	Logged by		Ft.		•			Location (Twp., Lot, (Con. or Lat. a	and Long.)	
xploratio	n Co., Owne	r or Optionee		Date Submitted	Submitted by (Sign	nature)	Ft.									
(A)							Ft.					Property N	Name	<u> </u>	<u> </u>	
Foo	tage			I	Description		1	Planar	Core	Your	Sample	Footage	Sample	T	Assays †	
From	То	Rock Type		Colour, gr	ain size, texture, minera			Feature Angle *	Specimen Footage †	Sample No.	From	To	Length	Au oz.	7.000,0 ,	
132	405	Argillite +	White bull	qtz veinlet	s 371 - 375					7799	371	375	4	Tr		
4	continue	d grey wacke														
,			381 - 390	Pyritized ar	gillite + gr	ound up qtz	veins poor core			7958	381	390	9	.002		
			recovery				**************************************									
			narrow Qtz	carb bands	<u> 397' - 403'</u>			ļ	ļ	7800	397	403	6	Tr		
	100 =															
405	420.5	Carbonate zone			te with dark	chlorite o	n schistosity plane	s	ļ	7783	405	410	5	Tr		
<u> </u>				tz veinlets.	white serici	40 E 109		 	ļ	7784	410	415	5			
2				ceous flakes		te 3 = 10%		 		1104	410	415	3	Tr		
V.			Green mica	ceous makes	(Tuchite:)			 	 	7785	415	420	5	Tr		
420.5	455	Argillite	Black to gr	rev argillit	e with only	minor grey	wacke beds 3"	 	 	1705	434	435	7	111		
3					lops down at		s up at 450	 	 	7786	455	465	10	Tr -		
S.					(Calcite)		<u> </u>	<u> </u>	!	1/00	4))	405	10			
455	486	Carbonate zone	Light brown	n to tan car	<u> </u>		pyrite on schistosi	ty	<u> </u>	1	······································			·		
¥		Volcanic?			z veinlets l					7787	465	470	5	Tr		
£.	·	:			, lower cont					7788	470	475	5	Tr		
≚486 [™]	502.5	Transition from				ck chlorite	-graphite. Coarse	İ		7789	475	480	.5	Tr		
Ž.		carbonate to		484 (5% anke	rite @ 496)	·				7790	480	485	5	Tr		
<u>:</u>		carbonaceous	qtz veins u	up to ½"						7791	485	490	5	Tr		
A		unit + tan			· · · · · · · · · · · · · · · · · · ·			L		7792	490	492	_2	Tr		
		volcanic	·	····	<u></u>					7793	492	493	1	Tr		
3			· · · · · · · · · · · · · · · · · · ·						ļ	7794	493	498	5	Tr		
502.5	510	Brown carbonate	Light tan o	carbonate wi	th 10% coars	<u>e pyrite - 1</u>	no qtz.		<u> </u>	7795	498	503	_5	Tr		
								ļ	ļ	7796	503	508	5	Tr		
3						-		ļ		7797	508	510_	2	Tr		
<u> </u>			·		· · · · · · · · · · · · · · · · · · ·	·		ļ	ļ	ļl		<u> </u>	ļ	 		
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Ontario	Log						Fill In on every page	Hole No. MH 78-5	Page No.
Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	1-3
Date Hole Started	Date Completed	Date Logged	Logged by		Ft.		Location (Twp., Lot, Con. or	Lat. and Long.)	:
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Sig	nature)	Ft.	•			
					Ft. Ft.	•	Property Name		

Planar Feature Angle * 50 45	Core Specimen Footage †	Your Sample No.	Sample From 135	Footage To	Sample Length		Assays †	
50 45 25	Footage f	Sample No.	135	То	Length			\
45 25					-	1	t 1	
25			137					
25			, T21	1	+		 	
				+	 			
			141					
10			144					
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35			_14/	-	 			
40			149	1			h	
1-40								
50			150					i
45			152					
			<u> </u>		<u> </u>		<u> </u>	
40			155		<u> </u>			
			150	 	 		 	
			139	-	+			
45			164	 				
				1.				
40			166					
42			168		 			·
				<u> </u>	 			
_50	- 	_:	_170	 	 	j)
			170	 	+		 	
25				+	+		 	
32					 			
	40 35 40 50 45 40 20 45 40 42 50 25 32	35 40 50 45 40 20 45 40 42 50 25	35 40 50 45 40 20 45 40 42 50 25	35 147 40 149 50 150 45 152 40 155 20 159 45 164 40 166 42 168 50 170 25 173	35 147 40 149 50 150 45 152 40 155 20 159 45 164 40 166 42 168 50 170 25 173	35 147 40 149 50 150 45 152 40 155 20 159 45 164 40 166 42 168 50 170 25 173	35 147 40 149 50 150 45 152 40 155 20 159 45 164 40 166 42 168 50 170 25 173	35 147 40 149 50 150 45 152 40 155 20 159 45 164 40 166 42 168 50 170 25 173



Intario	Log							Hole No. MH 78-5	Page No.
Orilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at	Cocation of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
ate Hole Started	Date Completed	Date Logged	Logged by		Ft.	<u> </u>	Location (Twp., Lot, Con. of	Lat. and Long.)
xploration Co., Owner or Opti	onee	Date Submitted	Submitted by (Sig	nature)	Ft.	•			
		-			Ft.	•	Property Name		

						Ft.					Property N	vame			
Foot	tage		T		Description	(Planar	Core	Your	Sample	Footage	Comple		Assays †	
m	То	Rock Type		Colour, gra	ain size, texture, minerals, alteration, etc.	×	Feature Angle *	Core Specimen Footage †	Sample No.	From	To	Sample Length		7.050/5 /	
							40			181				1	1
							0			185					
_							10			190					
							20			196					
							30			202					
							38			205					
							42			211					
		Title Control Columbia and the superior of the State of Columbia and the state of the State of t					40			225					
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Drilling Log

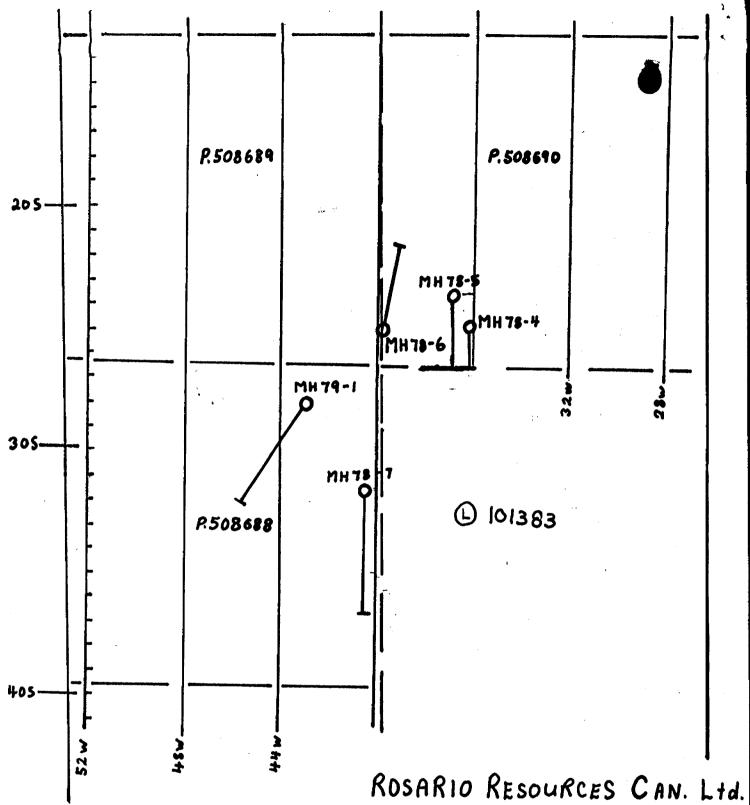
Virial 10	Log					Fill in on	Hole No.	Page No.
						every page	MH 78-5	5 _
Prilling Company		Collar Elevation	Bearing of hole from true North Total Footage	Dip of Hole at	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
Pate Hole Started	Date Completed	Date Logged	Logged by	Ft.		Location (Twp., Lot, Con. o	r Lat. and Long.)	
xploration Co., Owner or Op	otionee	Date Submitted	Submitted by (Signature)	Ft.	•		•	.
				Ft.	•	Property Name		
			· ·	Ft		1		

			Ft.					Property I	Name			
Footage	Rock Type	Description	Ft.	Planar	Core	Your	Sample	Footage	Sample	ļ	Assays †	
From To	nock type	Colour, grain size, texture, minerals, alteration, etc.		Planar Feature Angle *	Core Specimen Footage †	Sample No.	From	То	Length	Au oz.		
		Sludge Samples				7760	132	140	8	Tr		
						7761	140	150	10	Tr		
						7762	150	160	10	Tr		
						7763	160	170	10	Tr		
						7764	170	180	10	.005		
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						7765	180	190	10	Tr		
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			-			7766	190	200	10	Tr		
						7700	4,70	200				
						7767	200	210	10	Tr		
						7707	200	210	10	<u></u>		L
			7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2			7768	210	220	10	Tr		
:						7700			10	 		
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						1109	_220	230	10			
						7770	230	240	10	Tr		
						///0	230	240_	10	1.0		
•						7771	240	250	10			
			1					230	10	Tr		-
			·		1	7772	050	060				
,						1112	250	260	10	.002		
:							0.60				-	
						7773	260	270_	10	Tr		
			no sample 7774									
						7775	280	290_	10	Tr		y
			·		·					i		
					•	7776	290	_300	10	Tr		
						7777	300	310	10	Tr		



Intario .	Log							Hole No.	Page No.
Orilling Company		Collar Elevation	Bearing of hole from	Total Footage	Dip of Hole at	° Location of hole in relation to a	every page Map Reference No.	MH 78-5 Claim No.	6
		Comar Enevation	true North	Total Toolage	Collar	fixed point on the claim.	iviap neteretice No.	Olami No.	
Pate Hole Started	Date Completed	Date Logged	Logged by		Ft.		Location (Twp., Lot, Con. or	Lat. and Long.)	
xploration Co., Owner or Optioned		Date Submitted	Submitted by (Sig	nature)	Ft.				
					Ft.	•	Property Name		

				1		Ft.					Property I	Vama			
						Ft.					litoperty	Tallie			
Foot		Rock Type			Description		Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample	Footage	Sample		Assays †	•
From	То	nock type	Co	olour, gra	in size, texture, minerals, alteration, etc.		Angle *	Footage †	Sample No.	From	То	Sample Length	Au oz.		
			· · · · · · · · · · · · · · · · · · ·	S	ludge Samples				7778	310	320	10	Tr	[
					· · · · · · · · · · · · · · · · · · ·				<u> </u>			.			
									7779	320	330	10	Tr		<u> </u>
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									7780	330	340	10	Tr	 	
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									7781	340	350	10	Tr		F
									 						
			 		· · · · · · · · · · · · · · · · · · ·				7782	350	360	10	Tr		
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Drill Hole Location Map Hoyle Twp.

1" - 400'

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P.F.K.