

DIAMONL PALLITO

AREA: BROOKS LAKE

新たたい

REPORT NO: 22

WORK PERFORMED FOR: Laramide Resources Ltd./ Rio Algom Exploration Inc.

RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
K 590290	KL-90-03	310.Om	Mar/90	(1)
K 1019216	KL-90-04	355.4m	Mar/90	(1)
K 1122052	KL-90-05	161.5m	Mar/90	(1)
K 896096	KL-90-06	192.Om	Mar/90	(1)
	4	101 8.9		

NOTES: (1) W9001.067, filed May 90 (2) W9001.069, filed May/90 (3) W9001.070, filed May/90 with Heronry Lake 010



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HOLE No KL-90-03

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DIAMOND DRILL RECORD

							PAGE	17	of 26	
INT	ERVAL to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH				
		209.3-209.9 increased tourmaline, 25% black	P13822	209.3	209.9	0.6				
		stringers, 5-7% disseminated pyrite.					 			
	·····	schistocity 32°C/A.			х.		 			
										·
		209.9-210.85 15% tourmaline, 7% pyrite.	P13823	209.9	210.85	0.95				
		sericitic seams, black tourmaline seams and 7%					 			
		disseminated tourmaline.					 	_		
			D12024	210 05	211 05	1 0				
		comi_massive 5% disseminated tourmaline	P13824	210.85	211.05	_1.0				-
			†							
		211.85-212.35 25% pyrite. disseminated in	P1'3825	211.85	212.35	0.5				
		seams, sericitic seams, 7% disseminated								
		tourmaline, schistocity at 36°C/A.	ļ				 			
		212.35-213.0 fine grained, homogeneous dike-	P13826	212.35	213.0	0.65	 			
		like, 2-3% fine disseminated pyrite, locally up	· · · · · · · · · · · · · · · · · · ·				 			
		to 20% coarse pyrite.								
•	· ·	213.0-214.2 $10-159$ discominated black								
		tourmaline 10% coarse seams of disseminated	P13827	213.0	214.2					
	1	pvrite.							†	
	1				1					
·		214.2-214.75 20% disseminated pyrite, 3-4%	P13828	214.2	214.75	0.55				
·		tourmaline, sericitic seams, schistocity 34°C/A			-					

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DIAMOND DRILL RECORD

HOLE	Ne.KL-9	90-	-03
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INT	ERVAL			INTE	RVAL	ENGTH					
from	to	DESCRIPTION	SAMP LE ING	from	to			 			
214.75	220.1	SHEARED, SILICIFIED VUGGY TUFFS									
		Strongly silicified and sheared becomes weakly						 			
		carbonatized down hole. Vuggy siliceous seams,									
		locally minor tourmaline 5-20% disseminated						 			
·····		pyrite.						 			
		214.75-215.65 20% tourmaline, minor pyrite,	P13829	214.75	215.65	0.9		 			
		Locally 20% pyrite in seams.						 			
	1	215.75-217.1 60% quartz (silicification), 1%	P13830	215.65	217.1	1.45					
		pyrite, chloritic bands.	ļ								
		217.1-218.35 Very vuggy and blocky, 5% pyrite	P13831	217.1	218.35	1.25		 			<u> </u>
		lining vugs, strong carbonatization.						 			
		218.35-219.35 badly broken, vuggy, 18°C/A	P13832	218.35	219.35	1.0					
		schistocity, 2-3% disseminated pyrite.									
· .		219.35-220.1 strongly silcified, no longer	P13833	219.35	220.1	0.75		 			ļ
	ļ	vuggy, 1-2% pyrite, some quite coarse.						 			ļ
				ļ				 			
220_1	234.25	INTERMEDIATE LAPILLI TUFF		<u> </u>							ļ
_								 			
		Medium green fine grained, intermediate matrix	<u> </u>		<u> </u>	ļ	├	 			
· · · · · · · · · · · · · · · · · · ·		with more mafic lapilli sized fragments, 5-25%	}	ļ	<u> </u>	 		 		 	
		fragments, some rounded, some angular. Locally		<u> </u>	<u> </u>			-	L	<u> </u>	<u> </u>

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HOLE NO KL-90-03

 $= \frac{1}{2} \sum_{i=1}^{n-1} \frac{1}{2} \sum_{i=1}^{n$

from

DIAMOND DRILL RECORD PAGE 19 of INTERVAL INTERVAL SAMPLE No. LENGTH DESCRIPTION to from to silicified and pyritized, locally moderately carbonatized. 220.1-221.6 Schistocity 40°C/A, strongly P13834 220.1 221.6 1.5 silicified vuggy, up to 10% pyrite. 221.6-222.9 5-7% small mafic fragments, 1% P13835 221.6 222.9 1.3 disseminated pyrite. 222.9-224.0 Vuggy, lined with black P13836 222.9 224.0 1.1 tourmaline, minor pyrite (1%). 224.0-224.95 20% lapilli, minor pyrite (1%) in P13837 224.0 224.95 .95 seams, small vugs. 224.95-225.6 MAFI DIKE - fine grained, green. dioritic carbonate vesicles, contacts at 48°C/A. 225.6-227.7 Locally blocky, up to 7% pyrite locally, strong carbonatization locally, 227.7-229.35 2-3% irregular guartz carbonate stringers, locally black tourmaline or amphibole crystals 1mm. in diameter.

DIAMOND DRILL RECORD

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HOLE No. KL-90-03

1N T	ERVAL	DESCRIPTION	SAMPLE No	INTE	RVAL	LENGTH				
TFOM	τö			from	to			 	 	
		229.35-231.1 10% small rounded mafic						 	 	
		fragments, rare quartz carbonate stringers.								
		231.1-231.75 weakly carbonatized, locally								
		black amphiboles as in 747-752 4 7% pyrite in								
		1-3mm cubes.								
		231.75-234.25 Silicified carbonatized and								
		sheared schistocity at $20^{\circ}C/\lambda$ 1% pyrite								
						1				
234 25	225 1							 		
		OUARTZ DIORLIE						 -		
	1								 	
		Grey, fine to medium grained, weakly toliated	P13838	234.25	235.1	0-85			 	
 		(35°C/A), weakly sericitized, 1% fine								
 		disseminated pyrite. Contacts at 36°C/A.						 		
	+									
235.1	239.7	INTERMEDIATE LAPILLI TUFF						 	 	
· .	· ·	Medium green, fine grained intermediate ash						 		
		tuff, 10-20% mafic and felsic lapilli, about 3-	ļ	<u> </u>		ļ		 	 ······	
		7% disseminated pyrite throughout.		ļ		ļ		 		
L			ļ			ļ		 	 	
		235.1-236.5 7% disseminated pyrite, weakly	₽13829	235 1	236.5	1.4				
		carbonatized.								
		236.5-237.5 2% disseminated pyrite,	P13840	236.5	237.5	1.0				
L	1		P13840	1230.5	1431.5	L L O	I	 		A

DIAMOND DRILL RECORD

HOLE	••.:K	1.90.03
PAGE		of 7 /

		PAGE	21	• 1 2 6						
INT from	ER VAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH				
		sericitized.								
		237.5-238.4 20% mafic fragments, 1-2% fine	P 13841	237.5	238.4	0.9				
		disseminated pyrite.								
		238.4-239.7 up to 7% disseminated pyrite, 25%	P13842	238.4	239.7	1.3	 			
		mafic lapilli, schistocity 20°C/A, weakly					 			
		carbonatized.					 			
							 -			
239.7	247.8	QUARTZ DIORITE								
				 			 -			
		Grey, line grained, nomogeneous quartz diorite								
		contacts at 35° and 33° C/A wellow baimlike		}						
		sericitic-seams accentrate weak foliation at								
		35°C/A. locally 0.5-1% fine disseminated	· · ·				 1			
		pvrite.								
•		239.7-241.1 1-2% disseminated pyrite, more	P13843	239.7	241.1	1.4				
		near contact. 1% irregular guartz carbonate								
	<u> </u>	stringers.		L			 			
		· .		ļ	_					
ļ	_	241.1-244.8 lacks pyrite.	Į	<u> </u>			 _			
				 			 			
· · · · ·	<u> </u>	244.8-247.8 very fine grained. 1% guartz				↓				
		carbonate stringers, sericitic seams.		<u> </u>				L		508.24 100

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 $\sum_{i=1}^{n-1} \left| \left(\sum_{i=1}^{n-1} \left(\sum$

DIAMOND DRILL RECORD

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IN T from	ERVAL to	DESCRIPTION	SAMPLE NO	INTE from	RVAL to	LENGTH					
247.8	254.9	FELSIC TUFF									
		Fine grained, medium green felsic ash matrix, 5-7% very small rounded intermed fragments weakly carbonatized, generally 1% fine disseminated pyrite throughout. Locally silicified, about 1-2% irregular guartz									
		carbonate stringers. 247.8-249.1 1-2% fine disseminated pyrite. weakly silicified.	P13844	247.8	249.1	1.3					
		249.4-250.6 felsic! - 1-2% fine disseminated pyrite.	P13845	249.4	250.6	1.5					
	· .	250.6-252.05 2-3% very fine disseminated pyrite.	P13846	250.6	252.05	1.45					
•	•	252.05-253.5 30cm. pyritic. vuggy seam (10%) weakly carbonatized. foliation at 35°C/A-	P13847	252.05	253.5	1.45					
		253.5-254.9 2-3% disseminated pyrite, locally 10% mafic lapilli 6mm. in size.	P13848	253.5	254.9	1.4					
254.9	268.0	INTERMEDIATE_TUFFS									
		Medium green, fine grained intermediate tuffs.									

HOLE NOKL-90-03



LOCATION	N: <u>L0+3</u> (0W 1+00N	Rio Algo	om Exp	olorat	ion In	C.		HOL	E No.: K	L-90-03	3	
AZIMUTH	: cria	<u> </u>	DIA	MOND DRI	LL RECO	RD			PAG	PAGE 1 of 26			
DIP:	60°	LENGTH: 310.0 m	ELEVATION:	ICE		PROPI	RTY: Lara	mide Optic	n				
STARTED	: Marc	a 3,90 CORE SIZE: BQ	DATE LOGGE	D: March	4, 90	CLAIN	No. : K59	0290		- <u></u>			
COMPLET	ED: Mer.	5, 1990 DIP TESTS: Col	lar -60° 183	2.9m -6	3°	SECTI	ON:						
PURPOSE	: IP C	ONDUCTOR, East Island Zone				LOGG	ED BY: K	evin Ki	vi				
INTERVAL from to		DESCRIPTION	ASSESSMENT FILES	EY SAMPLE No.	INT from	ERVAL to	LENGTH						
0	35.95	CASING	APR 25 1990										
35.95	56.4	ALTERED INTERMEDIATE LAPILLI	TUTF (FE COEducate D)									F	
	· · · · · · · · · · · · · · · · · · ·	Light green, Intermediate l	apilli tuff, lapilli										
	stretched and deformed, quartz floo		uartz flooded, 3-7%									_	
		quartz stringers, rare we	ak carbonatization.									_	
		Abundant sheared, sericitic	, pyritic zones. (3-										
		25% fine disseminated pyr	tite). About 2-5%									 	
		pyrite throughout, schistoci	ty at 35° C/A.								_ _ /	 	
		·									_ _	 	
		35.95-36.00 BLOCKY GROUND E	BOULDERS - ignored.				···	-				_	
		36.6-37.6 7% fine pyrite, 1	0% quartz stringers.	P13760	36.6	37.6	1.0			A DI DIROTA	STONAL ST		
		37.6-38.7 1' ground core (return lost) - about	P13761	37.6	38.7	1.1			A.E.A	REPAYNE		
		7-10% fine disseminated	l pyrite, strong						· U	GNZA	2 Jul	¥	
		silicification.			_	<u> </u>		ļ		VINCE C	TONIA	Þ	
	ļ		· · · · · · · · · · · · · · · · · · ·	·	<u> </u>		·					╞	
	1	38.7-40.15 5% guartz stri	ngers, fewer pyritic	P13762	38.7	40.15	1.4	1			1	1	

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DIAMOND DRILL RECORD

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INT from	TER VAL	DESCRIPTION	SAMPLE No.	INTE from	to	LENGTH				
		40.15-41.4 Chloritic-sericitic shear planes	P13763	40.1	41.4	1.3				
		every7mm (avg), about 3% fine disseminated								
		pyrite overall, 1% guartz stringers.								
		41.4-42.75 sericitic, moderately carbonatized,	P13764	41.4	42.75	1.35				
		moderately silicified, 3-5% very fine pyrite.								
		42.75-44.15 20% beige sericitic seams,	P13765	42.75	44.15	1.4				
_		silicified, 1% fine disseminated pyrite								
		locally.								
		44.15-45.55 locally narrow (1-3cm) pyrite (5-	P13766	44.15	45.55	1.4				
		7%) zones, 0.5% quartz carbonate stringers.								
		45.55-47.05 chlorite and sericite alteration,	P13767	45.55	47.05	1.5				
		3-5% fine pyrite in narrow zones, 1% irregular								
		quartz carbonate stringers and blebs.					 			
		47.05-48.45 Sericitic, fairly soft locally 1%	P13768	47.05	48.45	1.4				
		pyrite.								
	L				ļ	ļļ	 			
		48.45-49.9 2-3% fine disseminated pyrite,	P13769	48.45	49.9	1.45				
	<u> </u>	sericitic, core locally broken, 1-2% irregular								
		white quartz carbonate stringers.					 			
		49.9-51.0 sericitic ± chlorite bands, 1-2%	P13770	49.9	51.0	1.1				

FORM-1983

DIAMOND DRILL RECORD

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HOLE No. : K1-90-03

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INT	ERVAL			INTE	RVAL						-
from	to	DESCRIPTION	SAMPLE NO.	from	to	LENGIH					
		irregular guartz stringers, 3% fine				-					
		disseminated pyrite, moderately carbonatized.									
									[
		51.0-52.5 sericitic, soft, 2-3% fine	P13771	51 0	57 5	15					
		disseminated pyrite, in seams and patches,									
		moderately carbonatized.									
						1		1			
		52.5-53.95 sericitic seams, 2-5% pyrite, rare	P13772	52 5	53 95	1 45				 	
		irregular guartz carbonate stringers and blebs									
		strongly carbonatized.							t	1	
								1		1	
	1	53.95-55.35 locally 2-3% fine pyrite.	013773	53.95	55.35	1.4			1		
		sericitic, strongly carbonatized.									
						1				1	
	1	55.35-56.4 sericitic 1-2% pyrite, strongly	D12774	55 25	ECA	1 05	· · · · · · · · · · · · · · · · · · ·			†	
	1	carbonatized.			-20-4	1				1	
						1		1			
56.4	64.35	INTERMEDIATE LAPILLI TUFF						1			
	· ·				1						
		Medium green to light green, intermediate						1			
		lapilli tuff. Strong foliation (schistocity)									
	1	at 25-35° C/A., 20-30% stretched large felsic	Ī		<u> </u>			<u> </u>	[1	
	1	lapilli, beige sericitic seams locally			1			1			
	1	silicified locally 1-5% disseminated pyrite	1	<u> </u>		1			1		
· ·	1	weak to moderate carbonatization locally	T	· ·	ŀ			1	1	1	
	1	stronger, 1-2% irregular quartz carbonate	1		1	1				1	

FORM-1983

<u></u>	<u> </u>	Rio Algom Ex	cplorati	ion Ir	ıc.	· -	······································		HOLE	No.: <u>K</u>	L-90-0	3
		DIAMOND D	RILL RECOP	RD					PAGE	4	of 26	
INT from	ER VAL	DESCRIPTION	SAMPLE NO	INT from	ERVAL 1 to	LENGTH						
		stringers.										
				<u>.</u>	_	++						
		56.4-58.2 sericitized, strongly carbonated,									 	
		minor fine pyrite.										
					ł	++						
		58.2-60.25 moderately to strongly										<u> </u>
		carbonatized, 1% irregular guartz carbonate				+ +						
		stringers.			<u> </u>	+						
		60 25-64 35 locally 18 disceminated purite				++						
		100.23-04.33 IOCally 18 disseminated pyrice.			+							
64.35	93-65	INTERMEDIATE TUFF			1					<u> </u>	1	
					1							
		Medium green, fairly homogeneous ash and small										
		- rare lapilli tuff. No large felsic lapilli										
		as above. Locally about 1% disseminated										
		pyrite, moderately carbonatized locally										
		stronger, 2-3% irregular guartz carbonate										
· .	<u> </u>	stringers.										L
	L											· .
	L	64.35-66.15 local lapilli.			<u> </u>							ļ
		·				_		·				
	ļ	66.15-69.2 locally 1% disseminated pyrite,	 									
		locally sericitized.										
	ļ		<u> </u>									
1		69.2-71.95 irregular quartz carbonate					-					

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2.28年10月11日、19月1日

"是有"你",今天是我们的意思。

、此於自然國際國外的主要的國家的國家

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DIAMOND DRILL RECORD

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INTERVAL from to	DESCRIPTION	SAMPLE NO.	INTE from	to	LENGTH					
	stringers.									
	74.35-75.0 carbonatized silicified pyritic zone, oriented at 25° C/A.	P13775	74.35	.75_0	Ú.65					
	75.0-77.45 strongly carbonatized. locally minor fine pyrite.	-								
	77.45-78.9 locally sericitic. up to 2% disseminated pyrite locally.	₽⊥3776	71.45	78.9	1.45					
	78.9-80.15 subparallel white quartz stringer, weakly sericitic.									
	80.15-80.85 strongly pyritized and carbonatized. Quartz carbonate vein, 8cm.,	P13377	80.15	80-85	0.7					
· ·	81.55-83.1 moderately sericitized, locally 3- 5% pyrite, moderately carbonatized.	₽1 <u>3378</u>	81.55	83-1	1.55					
	83.1-84.65 moderately sericitization, patchy pyritization 3-10%, blocky locally.	79دد19	83.1	84.65	1.55	· · · ·				
· · · · · · · · · · · · · · · · · · ·	84.65-85.6 more mafic, ash, two_l-2cm_pyritic bands.	P13380	84.65	85.6	0.95					

FORM-1983

HOLE No.: KL-90-03

·林州·计书台·**514

你!#@你说了这个时间时的小姐就帮助你!!

DIAMOND DRILL RECORD

							PAGE	<u>6</u>	of $\underline{2}$	6
INT from	ERVAL to	DESCRIPTION	SAMPLE NO	INTE from	ERVAL to	LENGTH				
		88.65-89.5 Subparallel gtz-carbonate stringer	P13381	88.65	89.5	0.85				
		zone, 5% fine disseminated pyrite.								
		89.5-90.75 Strongly carbonatized, sericitized.	P13382	89.5	90.75	1.25	 	· · · · · · · · · · · · · · · · · · ·		
		2-3% fine disseminated pyrite.								
		90.75-93.65 Homogeneous ash, dark green, about					 			
		1% fine disseminated pyrite. moderately					 			···
		carbonatized.								
93.65	115.75	INTERMEDIATE LAPILLI TUFF		·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··			 			
		Medium to dark green intermediate lapilli tuff,								
		dark green, fine grained chloritic ash matrix.					 			ļ]
		light grey-green felsic to intermediate			<u> </u>		 			
		stretched lapilli 8-20cm. in length (approx) 1-					 			
		<u>3% irregular quartz carbonate stringers.</u>		<u></u>						
		moderately sericitized, moderately								
		carbonatized, locally up to 1% disseminated			1					
		93.65-96.6 mafic fragments. 1% quartz-								
		carbonate stringers.					 			
	· .	-					 	 		
-		96.6-99.65 moderately sericitized.		-						
	1				L		1	L	I	LJ

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HOLE No. KL-90-03

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HOLE No.

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INTERVAL from to	DESCRIPTION	SAMPLE No.	INTE from	ERVAL to	LENGTH					
	99.65-102.05 locally 1-2% pyrite. sericitized.						 			
	102.05-103.4 3-5% disseminated pyrite, carbonatized, sericitized, schistocity 35°C/A.	P13783	102.05	103.4	1.35					
	103.4-105.45 1% irregular guartz carbonate stringers.									
	105.45-108.2 2-3% irregular guartz-carbonate stringers moderately sericitized.						 			
	108.2-109.4 weakly sericitized. 1-2% disseminated pyrite.	P13784	108.2	109.4	1.2					
	109.4-111.85 1-2% irregular guartz-carbonate stringers.									
· · ·	111.85-114.35 stretched mafic and felsic lapilli strong foliation 32° C/A. 1% pyrite.						 			
	114.35-115.75 strong, patchy carbonatization,	P13785	114.35	115.75	5 1_4		 			
115.75 141.65	OUARTZ DIORITE SILL									

	Kio Algom Ex	kplorat	ion In	IC.		HOLE	Ne. :KI	-90-03	;
	DIAMOND D	RILL RECO	RD			PAGE	8	of 26	
INTERVAL from to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH				
	Grey green, fine to medium grained quartz								
	diorite, weakly foliated at 35°C/A. Locally								
	minor guartz carbonate veining, locally minor								
	disseminated pyrite.								
	115.75-117.2 Weakly sericitized, moderately	P13786	115.75	117.2	1.45				
	carbonatized, minor pyrite, 1% irregular								
	guartz carbonate stringers, sharp contact at								
	33°C/A.								
					· ·				
	117.2-120.7 weakly sericitized.								
	120.7-127.1 rare irregular guartz carbonate								
	stringers and blebs.								
	127.1-129.25 Minor quartz carbonate veining,								
	one vein, 18cm. wide at 45°C/A, sericitic								
	alteration haloes.								
	129.25-133.2 rare quartz-carbonate veins (
	6cm wide)								
	133.2-134.4 locally carbonatized, sericitic								
	seams, minor pyrite.								
	134.4-136.25 lighter grev, silicified.			-					
	moderately carbonatized.				T				

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DIAMOND DRILL RECORD

HOLE	No.	[:] KL-90	0-03	
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111	FERVAL			INT	ERVAL	ENGTH						
from	to	DESCRIPTION	JAMP LE NU	from	to	LENGIN						
		136 25-140 4 rare irregular quartz carbonate						ł	l			
								1				
		stringers.										
			· · · ·					<u> </u>			 	
		140.4-141.65 2% irregular quartz-carbonate	<u>P13787</u>	140.4	141.65	1.25		ļ				
		stringers 1% fine disseminated pyrite, lower										
		contact sharp at $32^{\circ}C/A$										
				1								
			<u> </u>	<u> </u>		·		<u> </u>				
141.65	154_05	INTERMEDIATE LAPILLI TUFF		<u> </u>	<u> </u>			<u> </u>				
ļ						ļ		 				
		Medium to dark grey, intermediate lapilli tuff,										
		light green matrix dark green chloritic		۱ ۱	1							
						I						
	<u> </u>	ftragments. About 30% matic tragments, usually	1	1						<u>†</u>		
		angular. Entire unit sericitic, locally 105%	<u> </u>	+	<u> </u>			 		┨────		
		disseminated pyrite, moderately to strongly	ļ	<u> </u>	 	<u> </u>		ļ		ļ		
		carbonatized, schistocity 30°C/A.										
		141.65-143.0 Strongly carbonatized 2-3% fine	D13788	141 65	143 0	1 25						
		1141.05-145.0 Octongry Curbonactized, 2-58-11ne				1 1		1				
		disseminated pyrite, also pyrite fragments.			+	<u> </u>	<u> </u>		<u> </u>			<u> </u>
·	· ·		_	+		<u> </u>	 	 		 		ļ
		143.0-144.15 strongly carbonatized, 2% fine	P13789	143.0	144.5	1.5	ļ		L			
		disseminated pyrite, lapilli decreases to										
		0.5cm, and abundance reduced to 15%	1									
	1		1	1	1	1	1	1	1	1	1	
			<u> </u>	<u>+</u>		<u> </u>						<u> </u>
<u> </u>	<u> </u>	144.5-145.95 5-25% lapilli, locally strongly	P13790	144.5	145.95	1.45	 	Į	 		 	
· .		carbonatized, 0.5% fine disseminated pyrite.	_	<u> </u>	ļ.	 	L	<u> </u>	L	ļ		ļ
L	1					<u>.</u>					· · · · · · · · · · · · · · · · · · ·	500 M 1001

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的问题相当

网络勒尔加斯福尔马和尔特的

DIAMOND DRILL RECORD

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IN T from	ERVAL to	DESCRIPTION	SAMPLE NO.	INTE from	RVAL to	LENGTH				
		145.95-147.45 locally up to 7% very fine								
		disseminated pyrite, locally strong	P13791	145.95	147.45	1.5				
		carbonatization.								
		147.45-148.9 2-3% very small lapilli. 2% fine	P13792	147.45	148.9	1.45	 			
		disseminated pyrite in seams. 35°C/A foliation								
		148.9-150.4 2-10% mafic lapilli, 0.5% fine	P13793	148.9	150.4	1.5	 		 	
		pyrite.				 	 			
			ļ	ļ		 	 		ļ	
	 	150.4-151.8 seams of pyrite. 3cm. quartz veins	P13794	150.4	151.8	1.4	 			
		at 50°C/A, moderately to strongly carbonatized.								
			<u> </u>			╞──┤	 			
		151.8-152.95 30% angular chloritic fragments.	P13795	151.8	152.95	1.15	 	+		
		rare pyritic seams.	<u> </u>	<u> </u>		 	 			
	<u> </u>						 	+		
		152.95-154.05 5% tiny lapilli (green). 1%	P13796	1152.95	154.05	╕_┙╸╸ ┤				
	<u> </u>	byrite in seams.	<u> </u>	1			 			
154 05	155 95		f				 			
		OUARIZ DIORITE INTRUSIVE					 			
		Grev green medium grained diorite intrusive	P13797	154 05	155 25					
	1	$(sill_2)$ moderately foliated at $38^{\circ}C/A$	P13798	155 25	155.85					
		hairlike beige sericitic seams. 1% irregular	T							
·		quartz carbonate stringers. Contacts at 29°								•
	1	and 31°C/A.								
L										FORM

					ion in RD	IC.		HOLE	E No. :KI	-90-0	3
			Rio Algon DIAMO RVAL DESCRIPTION 10 DESCRIPTION 186.95 INTERMEDIATE LAPILLI TUFF/BRECCIA Medium to dark green lapilli tuff, monotor sequence (thick) light green intermediate matrix, 10-30% dark green chloritic fragmer stretched, angular. Moderate to stror carbonatized, locally 1-2% disseminated py are guartz-carbonate stringers. 155.85-156.05 strongly carbonatized, disseminated pyrite. 156.05-159.1 moderately sheared and serici schistocity 31°C/A. 159.1-161.55 very distinct - angular m fragments 161.55-163.65 1% irregular guartz-carbo stringers, 0.5% fine pyrite. 163.65-166.1 5-10% fragments, much smaller 10mm) locally. 166.1-168.85 30% mafic fragments, stretc					PAG	E <u>11</u>	of 2	6
	INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH				Ι
	55.85	186.95	INTERMEDIATE LAPILLI TUFF/BRECCIA					 			Ŧ
			Medium to dark green lapilli tuff, monotonous					 		<u> </u>	╪
			sequence (thick) light green intermediate ash					 	 		\downarrow
			matrix, 10-30% dark green chloritic fragments,					 	<u> </u>		∔
			stretched, angular. Moderate to strongly			 		 	ļ	_	\downarrow
			carbonatized, locally 1-2% disseminated pyrite	ļ				 			∔
-			are quartz-carbonate stringers.					 			╀
			155.85-156.05 strongly carbonatized. 1%	P13799	155.85	156.25	0.4				1
-			disseminated pyrite.	P13800	156-25	156.95	0.7	 	ļ	<u> </u>	╀
Ē			156.05-159.1 moderately sheared and sericitic.								‡
-	····		schistocity 31°C/A.					 			╀
	·		159.1-161.55 very distinctangular_mafic					 			‡
┝			fragments					 		<u> </u>	╉
F	•	· .	161.55-163.65 1% irregular quartz-carbonate					 			1
┢	<u></u>		stringers, 0.5% fine pyrite					 		<u> </u>	┦
þ			163.65-166.1 5-10% fragments, much smaller (3-			<u> </u>			1	1	1
			10mm) locally.					 			┦
F			166.1-168.85 30% mafic fragments, stretched	1		ŀ		 		1	1
		1	mite large 18 imagular quante combenets	1						1	1

FORM - 1983

DIAMOND DRILL RECORD

PAGE to of 26

HOLE No. KL-90

INTERVAL from DESCRIPTION SAMPLE NO INTERVAL from LENGTH LENGTH <th></th>	
from to DESCRIPTION SAMPLE No. from to LENGIN stringers. stringers. Image: Stringers.	
stringers.	
169.9-172.8 locally minor pyrite and 1000000000000000000000000000000000000	
169.9-172.8 locally minor pyrite and Image: carbonatization. carbonatization. Image: carbonatization. Image: carbonatization. 172.8-175.85 locally rare lapilli, Image: carbonate vein, predominately ash, 4cm. quartz carbonate vein, Image: carbonate vein, Image: carbonate vein, 50°C/A. crosscut foliation of 31°C/A. Image: carbonate vein, Image: carbonate vein,	
carbonatization. Image: carbonatization.	
172.8-175.85 locally rare lapilli, predominately ash, 4cm. quartz carbonate vein,	
172.8-175.85 locally rare lapilli, predominately ash, 4cm. quartz carbonate vein,	
predominately ash, 4cm. quartz carbonate vein, 50°C/A. crosscut foliation of 31°C/A.	
50°C/A. crosscut foliation of 31°C/A.	
┝┲┉╼╴╌╞┉┈╾╴╶╞┈┈╌╴╶┈╌╌╌╌╌╌╌╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴	
175.85-177.1 25% mafic lapilli, stretched,	
angular.	
177.1-179.2 locally rare lapilli, locally	
carbonatized, weakly silicified, 1-2% pyrite	
locally.	
179.2-180.2 large mafic fragments.	
· 180.2-182.1 15% small (5-15mm) lapilli, P13801 181.45 182.2 0.75	
locally up to 7% fine disseminated pyrite,	
carbonatized.	
182.1-185.45 locally carbonatized, up to 2%	
fine disseminated pyrite, 1cm. guartz carbonate	
vein with a couple blebs chalcopyrite.	

-interference

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DIAMOND DRILL RECORD

HOLE No KL_90-03

2014年1月15日日期,其1000年1月15日的日本公司建立4月1日期間4月1日,1月4日日期期間中止人口時期有期間1月1日有一個大型2月間小型2

							PAGE	13	of).
IN T from	TER VAL	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH				
		185.45-186.95 5% large mafic fragments, 5%	P13804	188.45	190.1	1.65				
	_	small mafic fragments (0.5cm), locally strong								
		carbonatization 2% very fine pyrite.								
186.95	192.85	INTERMEDIATE TUFF								
· .		Fine grained medium to light green ash matrix								
		with 5-10% very small lapilli fragments 4-6mm.								
		in length - all about same size. Locally								
		carbonated silicified, up to 5% pyrite locally.								
				I						
		186.95-188.45 2-3% irregular guartz carbonate								
		stringers, 5% small mafic fragments (5mm.), 1%								
		pyrite.								
		188.45-190.1 Spotted with 5% dark green, 5mm.								
		fragments, 1-2% fine disseminated pyrite.								
		190.1-191.6 MAFIC DIKE - Dark green fine	P13805	191.25	191.6	0.35				
		grained dioritic dike, amphibole clots locally								
		some carbonatization and up to 5% disseminated		L						
		pyrite.								
		191.6-192.85 locally strongly silicified, 18	P13806	191.6	192.85	1.25				
		fine disseminated pyrite, 5% well formed mafic			· · ·					
		fragments.								
										

FORM - 1983

DIAMOND DRILL RECORD

·								14	o 26	
ERVAL			INTE	RVAL						
to	DESCRIPTION	SAMPLE NO	from	to	LENGIN					
196.7	SHEARED TUFFS									
	Strongly sheared intermediate tuff, with 15%									
	lapilli sized fragments and locally 5% 5mm.									
	chloritic fragments as in above unit. Strongly									
	carbonatized, 25% guartz-carbonate stringers,									
	2-3% fine disseminated pyrite. Schistocity									
	36°C/A.									
	192.85-194.1 locally silicified, 2% pyrite.	P13807	192.85	194.1	1.25					
	194.1-195.5 30% guartz carbonate stringers, 1%	P13808	194.1	195-5	1.4					
	pyrite, 3% tiny chloritic fragments.									
	195.5-196.7 5% disseminated pyrite. 20% quartz	P13809	195.5	196.7	1.2					
	carbonate_stringers.									
•								ļ		
204.4	INTERMEDIATE TUFFS									
•										
	Medium grained, medium green ash matrix with 5%									
	dark green mafic fragments 3-6mm in size.									
	About 3% fine disseminated pyrite throughout									
	1% irregular guartz carbonate stringers.									
	196.7-196.95 2cm. quartz carbonate vein.	P13810	196_7	196.95	0.25					
							1			
	R VAL to 196.7	RVAL DESCRIPTION 196.7 SHEARED TUFFS Strongly sheared intermediate tuff, with 15% lapilli sized fragments and locally 5% 5mm. chloritic fragments as in above unit. Strongly carbonatized. 25% quartz-carbonate stringers. 2-3% fine disseminated pyrite. Schistocity 36°C/A. 192.85-194.1 194.1-195.5 30% quartz carbonate stringers, 1% pyrite, 3% tiny chloritic fragments. 195.5-196.7 204.4 INTERMEDIATE TUFFS Medium grained, medium green ash matrix with 5% dark green mafic fragments 3-6mm in size. About 3% fine disseminated pyrite throughout 1% irregular quartz carbonate stringers. 196.7-196.95 2cm. quartz carbonate vein.	R VAL to DESCRIPTION SAMPLE No 196.7 SHEARED TUFFS	R VAL 10 DESCRIPTION SAMPLE No INTT from 196.7 SHEARED TUFFS	RVAL to DESCRIPTION SAMPLE No INTERVAL from 196.7 SHEARED TUFFS	RVAL toDESCRIPTIONSAMPLE NOINTERVAL fromINTERVAL fromLENGTH196.7SHEARED TUFFS	RVAL to DESCRIPTION SAMPLE No. INTERVAL from LENGTH 196.7 SHEARED TUFFS -	RVAL 10 DESCRIPTION SAMPLE No INTERVAL from LENOTH 196.7 SHEARED TUFFS	RVAL to DESCRIPTION SAMPLE No INTERVAL from LENGTH 196.7 SHEARED TUFFS	RVAL to DESCRIPTION SAMPLE No INTERVAL from INTERVAL from LENOTH LENOTH 136.7 SHEARED TUFFS

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HOLE No. : KL-90-03

	RIO AIGOM EX	cpiorat		IC.		HOLE	No.:KL-90-0
	DIAMOND D	RILL RECO	RD			PAGE	15 of 26
INTERVAL from to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH		
	196.95-198.4 1-2% fine disseminated pyrite, 1% irregular guartz carbonate stringers.	P13811	196.95	198.4	1.45		
	198.4-199.85 lighter green, 5% fragments, 1% fine disseminated pyrite throughout.	P13812	198.4	199.85	1.45		
	199.85-201.3 chloritic, 3% irregular guartz carbonate stringers, up to 5% fine disseminated pyrite.	P13813	199.85	201.3	1.45		
	201.3-202.65 20cm. white guartz vein. chloritic xenoliths, 3-5% disseminated pyrite throughout, sericite altered margins of guartz vein.	P13814	201.3	202.6	1.35		
······	202.65-203.5 about 5% fine disseminated pyrite. moderately carbonatized.	P13815	202.65	203.5	0_85		
· · ·	203.5-204.4 3-5% disseminated pyrite. moderately carbonatized. schistocity at 33°C/A.	P13816	203_5	204_4	0_9		
.4 214.75	OUARTZ-TOURMALINE-PYRITE SCHIST EAST ISLAND ZONE (IP CONDUCTOR)						

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DIAMOND DRILL RECORD

HOLE No.: KL-90-03 PAGE 16 of 26

IN T from	ER VAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH				
		sericite schist, strongly tourmalized, strong								
		pyrite mineralization 5-40%. Tourmaline								
		disseminated and in irregular stringers.								
ан 19		Strong foliation at 35°C/A.					 			· · ·
		· · · · · · · · · · · · · · · · · · ·					 			
		204.4-205.4 Quartz-sericite-tourmaline pyrite	P13817	204.4	205.4	1.0				
	ļ	schist, 7% fine disseminated pyrite, Two 1 and			 		 ļ			
		2cm_tourmaline_veins								
	<u> </u>	205.4-206.2. 60% quartz tourmaline vein.	P13818	205.4	206.2	0.8				
		sericitic seams, 10cm. tourmaline vein (black),		<u> </u>	}		 			
		1-2% pyrite some very coarse grained.		ļ			 			
<u> </u>			D12010	206.2	207.2		 			
		206_2-207.2 30% speckled with black	P13819	206.2	207.2	1.0				
	<u> </u>	tourmaline, 20-50% coarse pyrite disseminated			+		 <u> </u>			
		and stringers, weakly sericitized, schistocity					 			
	<u> </u>	3/°C/A.					 <u> </u>			
	· ·	207 2-208 5 Strong purite mineralization 35%	P13820	207.2	208.5	1.3			f	
		coarse disseminated and in stringers also								
		brown ground mass of fine pyrite 8-158								
		tourmaline, remainder quartz, some green mica.								
	-	208.5-209.3 Strongly silicified, 5% tourmaline	P13821	208.5	209.3	0.8				 ļ
		disseminated and in stringers, 15% pyrite			. 	ļ	 ļ			 ļ
		disseminated and in stringers.						L	<u> </u>	

DIAMOND DRILL RECORD

HOLE NOKL-90-03

									23	· 26	
INT	ERVAL	DESCRIPTION	SAMPLE No.	INTE	RVAL	LENGTH					
Trom	to			trom	to				 		
		Locally felsic and mafic fragments. Locally 5-							 		
		10% small mafic lapilli and/or amphibole							 		
		crystals. 0.5-2% fine disseminated pyrite.							 		
											-
		254.9-258.15 1% fine disseminated pyrite, 1-2%									
		irregular quartz carbonate stringers.									
		258.15-261.2 fine grained, homogeneous, 1%									
		very fine disseminated pyrite.									
		262.1-264.1 silicified, 1% fine disseminated		l							
		pyrite, locally moderately carbonatized.									
								1			
		264.1-265.0 strongly carbonatized, bleached	P13849	264.1	265.0	0.9					
		light grey, up to 10% coarse pyrite.									
		265.0-268.0 1% fine disseminated pyrite									
		locally, weakly carbonatized.									
•	•										
268.0	270.65	QUARTZ DIORITE									
		· · ·									
		Light grey, fine grained, homogeneous quartz									
		diorite intrusive, weakly sericitized, trace									
		pyrite, contacts at 33°C/A.									
·			-								
	T	270.65-273.4 Three narrow pyritic zones, these									
											CO 1 1 1 1 1 1

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·特别的教育,在这些法律的问题,我们就是我们的问题。

化磷酸白色

양학 관육관

204 年代,他们的考虑了。"杨鸿伟的问题,他们们在这些主要的分别

DIAMOND DRILL RECORD

HOLE No. KL-90-03

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IN T from	TERVAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH						
		zones carbonated.						1	1			
								<u> </u>	1	·		
		273.4-275.4 fine to medium grained, about 18										
		fine disseminated pyrite.										•
		275.4-276.65 locally strongly carbonatized, 5-	P13850	275.4	276.65	1.25						
		7% fine disseminated pyrite.										
	 							ļ		ļ		
		276.65-277.5 QUARTZ-DIORITE DIKE- Light grey,								Į		
		fine grained, foliated at 35°C/A, trace fine							ļ	Ļ		
		pyrite.	ļ	• {	ļ			ļ				
	ļ		ļ		ļ			ļ				
		277.5-278.2 Mafic fragments, 3cm. pyritic	P13851	277.5	278.2	0.7		ļ		ļ		
		(15%0 band, carbonatized).	 	 				<u> </u>		ļ		
			ļ					<u> </u>	· ·	 		
ļ		278.2-279.05 up to 15% pyrite in 30cm.	P13852	278.2	279.05	0.85	· · · · · ·					
		section, 15% mafic fragments.		 						 		
									_			<u> </u>
· ·	·	279.05-281.5 15% dark green mafic fragments		<u> </u>				<u> </u>	 			<u> </u>
		may be amphibole crystals.										{
												
		281.5-282.55 1-5% disseminated pyrite, locally P		281.5	282.55	1.05		<u> </u>				<u> </u>
· ·	-	strongly carbonatized.							<u> </u>			<u> </u>
						<u> </u>		<u> </u>		1		╂─────
		282.55-285.65 fairly homogeneous, lacks pyrite		+		<u> </u>			<u> </u>			
		rare iragments.	1	1	<u> </u>	1	I	1	I	1	J	50 B N 198

DIAMOND DRILL RECORD

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	PAGE	25	of to 6	
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INT from	TERVAL to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH				
		285.65-286.55 5% fine disseminated pyrite	P13854	285.65	286.55	0.9				
		moderately carbonatized								
		-								
		286.55 288.05 light green, 10% small mafic	P13855	286.55	288.05	1.5				•
		fragments, weakly carbonatized, up to 7%								
		disseminated pyrite.								
		288.05-288.95 10% quartz veining, up to 6cm.								
		wide, oriented at 20°C/A, others are randomly								
		oriented.								
		288.95-292.05 0-1% fine disseminated pyrite,	P13856	290.7	292.05	1.35		-		
		1% irregular quartz carbonate stringers.								
292.05	310.0	QUARTZ DIORITE								
		Medium to fine grained grey guartz diorite.								
		weakly foliated at 35°C/A, foliation emphasized								
•		by yellow hairlike sericitic seams. Near								
		contact (within 20-30' up to 3% disseminated								
		pyrite).								
		292.05-293.45 1-2% disseminated pyrite.	P13857	292.0	293.45	1.45				
		293.45-294.75 1% pyrite.	P13858	293.45	294.75	1.3				
[1						
L	1	1			•	.				

DIAMOND DRILL RECORD

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HOLE NORL-90-03

INTERVA from to	DESCRIPTION	SAMPLE NO	INTI from	ERVAL to	LENGTH			
	294.75-297.8 seams of coarse pyrite, about 1%							
	overall, rare narrow irregular quartz					 		
	stringers.							
			-				 	· .
	297.8-300.85 1% disseminated pyrite, weakly							
	sericitized.						 	
		L				 		
	300.85-304.65 locally silicified, 3-4% fine	P13859	301.4	302.9	1.5	 	 	
	disseminated pyrite, sericitized.					 	 	
	304.65-306.6 INTERMEDIATE TUFFS - small wedge	P13860	304.65	306.6	0.95	 	 	
	of volcanics, possibly rafted, about 3% very	L		ļ		 	-	
	fine disseminated pyrite, moderately	_		L				
	carbonatized.		ļ			 	 	
				ļ		 	 _	
	306.6-310.0 40cm. metavolcanics wedge, as		·			 	 _	
	above, quartz diorite weakly, sericitized,		ļ	ļ		 	 	
	minor_pyrite		 			 	 	
· .	·		 	<u> </u>				
310	0 END OF HOLE	_				 	 	
						 	 	 ļ
·		<u> </u>		ļ		 · .	 	 <u> </u>
		}	ļ	<u> </u>		 	 	
		_	 	_		 	 	
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FOR M - 1983



LOCATION	l:L6W	0+40N	Rio Algo	m Ex	plorat	ion In	C.		HOLE No.:	KL-90-04	. .
AZIMUTH	: 175°		DIA	MOND D	RILL RECO	RD			PAGE 1 of	24	
DIP:	<u>-58°</u>	LENGTH: 355.4m.	ELEVATION:	ICE		PROP	ERTY: Lake	Kakakqi	-Marbank	Option	
STARTED	March	CORE SIZE: BO	DATE LOGGEI	D: Marc	n 9,90	CLAIN	No.: K-10	16216		<u>+</u>	
COMPLET	ED: March	DIP TESTS:				SECT	ON:				
PURPOSE						LOGG	ED BY: Ter	ry Needha	am		
INTE	RVAL	DESCRIPTION	ONTABIO OSCLOCICAL		INT	ERVAL					
from	to		ASSESSMENT FI	23WIFLE IV	, from	to	LENGTH				
0	98.15	CASING	APR 25 199	0							
98.15	117.6	ALTERED INTERMEDIATE TUFF (FELSIC	TUFE? U CEIVE	D							
		light to buff green coloured inter	mediate tuff,								
		fine grained matrix with mm. s	size chlorite			<u> </u>					
· · · ·		and/or sericite;	moderate								
		carbonatization/silicification;	3-10mm. qtz-								
		carbonate veins/stringers; loca	lly strongly								
		foliated/sheared; 3-5% dissemi	inated pyrite						┨───┤──		
		throughout; some zones up to 10% p	oyrite.								ويروي والمراجع
		98,15-98,85 2-4% disseminated	pyrite: 10%	P13861	98.15	98.85	0.7				
		carbonate stringers: mm size chlor	tite; sericite						THES	sin t	
		seams prevalent; foliation @ 30°C/	/A.						at P PRU	- CANA	<u> </u>
<u> </u>											
		98.85-99.75 fewer carbonate	e stringers;	P13862	98.85	99.75	.0.9			WNIE S	
		disseminated carbonate and carbon	nate veins up						Mich	avet	
		to 1cm. thick, 2-3% pyrite through	nout.						OVINCE O	OW	
		99.75-100.15 silicified intermed	iate tuff, mm	P13863	99.75	101.15	0.4				
		chlorite flakes; 5% py; massive;	few carbonate								

DIAMOND DRILL RECORD

HOLE No.: KL-90-04 PAGE 2 of

INT from 1	TERVAL	DESCRIPTION	SAMPLE NO	INTE	RVAL	LENGTH			
	10			11041	10		 		
		stringers 1mm. thick, thicker at bottom.					 		
		100 15-100 90 3% disseminated purite with	D13864	100 15	100.90	0.75			
		local puritic clote up to 2mm diamotor	F13004	100.13	100.90	0.75			
		moderate carbonate alteration with for					 		 <u>·</u>
		arbonate stringers up to kem thick	· · · · ·				 		
		carbonate stringers up to 20m thick.			-		 		
		100, 90-101, 50, ground core (lost return)					 		
		101.50-102.25 1-2% pyrite, disseminated		101 50	102 25	0.75			
		101.50-102.25 1-2% pyrite, disseminated carbonate and carbonate stringers up to 10%.		101.50	102.23	0.75			
	<u> </u>								
	1	102.25-104.90 2-5% pyrite: disseminated	P13866	102.25	104.90	2.65		<u> </u>	
		carbonate, carbonate stringers + gtz, carbonate	113000	102.25	1011.90	2.05	 		
		vein 1cm. thick.						1	
<u> </u>									
	1	104.90-105.6 5% pyrite, includes .9' zone at	P13867	104.90	105.60	0.7			
		10% pyrite; carbonate throughout, bottomsout					 		
	1.	with 3cm. thick carbonate/fault gauge. fault					 -		
	1	orientation @ 45°C/A.						1	
			1	1					
		105.60-108.65 poorly foliated to massive, gtz-	P13868	105.60	108.65	3.05			
		carbonate +carbonate veins 3-1cm. thick, 1-2%		1					
	·	disseminated pyrite.			1		1		
	1		1	1	ŀ			1	
		108.65-109.55 moderately foliated:	P13869	108-65	109.5	0.9			
	1		1	1			 		

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	RIO AIGOM Exploration Inc.									HOLE No.: KL-90-04				
	DIAMOND DRILL RECORD							PAGE	3	of 24				
INTERVAL from to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH				·					
	carbonatized moderately, 2 qtz. carbonate veins lcm. thick, 2% pyrite.													
	109.55-110.25 strongly foliated/sheared; moderate to strong carbonatization; 5-7% pyrite overall with zones of 10-15% pyrite.	P13870	109.55	110.25	0.7									
	110.25-110.75 moderately foliated carbonate throughout, 1% pyrite.	P13871	110.25	110.75	0.5									
	110.75-111.55 moderately to strongly foliated/sheared; moderate to strong silicification, 3-5% py in more strongly foliated zones: 1-2% py in less strongly foliated zones, moderate carbonatization.													
· ·	111.55-112.3 strongly silicified; moderate carbonatization; up to 10% py but 2-5% py overall.	P13873	111.55	112.3	0.75									
	112.3-113.3 moderately silicified, weak to moderate carbonatization; weakly foliated 2% disseminated pyrite; rare carbonate veins up to 5cm thick	P13874	112.3	113.3	1.0									
		<u> </u>				· · · ·								

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DIAMOND DRILL RECORD

HOLE No KL-90-04

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INTERVAL				INTERVAL		ENGTH				ſ
from	to		SAMPLE NO	from	to	LENGIN		l		
		113.3-116.7 weakly foliated to massive	P13875	113.3	116.7	3.4				
		intermediate tuff: weak sericitization along								
		discrete plains: carbonate/gtz, carbonate veins								
		locally - up to 3cm. thick, zones of strong								
		carbonatization, 1-3% pyrite.								
		116.7-117.6 moderately to strongly foliated:	P13301	116.7	117.4	0.9				
		weak carbonated; 2-3% pyrite								
117.6	122.64	OTZ-SERICITE SCHIST (ALTERED INTERMEDIATE TUFF)								
·				I 1						
		grey to light grey, felsic to intermediate in								
		composition, strongly foliated, locally								
		brecciated, carbonated, silicified, sericitized								
		disseminated and veined carbonate: veins up to								
	-	cm thick, foliated 0 40°C/A.								
4	- ,	· · · · ·								
		contains tourmaline(?) locally' rare apatite:								
•		1-3% disseminated pyrite: remnant gtz eyes 5%.								
122.6	128.62	INTERMEDIATE ALTERED TUFF								
		· .								
		Same rock unit as described from 98.15-116.7.								
·		122.6-123.38 1-3% disseminated pyrite:	P13306	122 6	123 3	0 78			·	
	1	moderately to strongly foliated	T 10000	1	1					
L	1	rectiliter, to belongly rolletout		1						FORM . 198

DIAMOND DRILL RECORD

			·					PAGE 5 of				
ERVAL	DESCRIPTION	SAMPLE No.	INT	ERVAL	LENGTH							
	123.38-128.62 moderate to strongly foliated	P13307	123 38	124 55	117							
	locally silicified, carbonated stringers									1		
	irregular - up to lcm, thick, 2-5% disseminated											
	pyrite.										· .	
144,40	SILICIFIED INTERMEDIATE TUFF (FELSIC TUFF?)											
	rock grades from altered intermediate tuff into											
	much more leucocratic grey to light grey	ļ		ļ								
	rhyolitic looking tuff, contains abundant gtz-	ļ									L	
	fs-sericite, sericite defines strongly	ļ	• {	ļ			[_				ļ	
	developed foliated (possibly ductile shear				ļ						ļ	
	zone), foliated @35°C/A: fine to very fine											
	grained: weak to moderate carbonate: 2-3%											
	disseminated pyrite: locally up to 5% pyrite.	ļ	ļ	ļ	ļ				ļ		 	
	contains a number of breccia zones.				<u> </u>						·	
	breccia zones are grey to dark grey with chunky											
	aspect, very fine grained dark matrix with fs											
	phenocrysts; qtz-carb stringers cut through											
	breccia clasts and locally cut by matrix - this										L	
	might represent brittle core to ductile fault		<u></u>									
	zone; moderate to strongly carbonated; only some	_	L								ļ	
	breccia zones contain pyrite - some zones	ļ	_		ļ						ļ	
	barren, up to 1m thick; qtz. veins up to 5cm.	L	ļ		·						ļ	
	thick.			<u> </u>								
	E R VAL to	ERVAL to DESCRIPTION DESCRIPT	ER VAL to DESCRIPTION SAMPLE No 123.38-128.62 moderate to strongly foliated P13307 locally silicified, carbonated stringers irregular - up to 1cm, thick, 2-5% disseminated pyrite. 144.40 SILICIFIED INTERMEDIATE TUFF (FELSIC TUFF?) Image: constraint of the strongly carbonated strongly some breccia clasts and locally cut by matrix - this might represent brittle core to ductile fault zone; moderate to strongly carbonated strongly some breccia zones contain pyrite - some zones barren, up to 1m thick; gtz. veins up to 5cm.	ERVAL to DESCRIPTION SAMPLE No. INTI from 123.38-128.62 moderate to strongly foliated P13307 123.38 locally_silicified, carbonated stringers irregular - up to 1cm. thick, 2-5% disseminated 123.38 pyrite.	ERVAL to DESCRIPTION SAMPLE No. from INTERVAL from 123.38-128.62 moderate to strongly foliated publicitied, carbonated stringers irregular - up to lcm. thick, 2-5% disseminated pyrite. 123.38 124.5% 144.40 SILICIFIED INTERMEDIATE TUFF (FELSIC TUFF?)	ER WAL to DESCRIPTION SAMPLE NO INTERVAL from INTERVAL from LENGTH 123.38-128.62 moderate to strongly foliated irregular - up to lcm. thick, 2-5% disseminated irregular - up to lcm. thick, 2-5% disseminated 123.38 124.55 117 144.40 SILICIFIED INTERMEDIATE TUFF (FEISIC TUFF?) 1 1 1 144.40 SILICIFIED INTERMEDIATE TUFF (FEISIC TUFF?) 1 1 1 144.40 SILICIFIED INTERMEDIATE TUFF (FEISIC TUFF?) 1 1 1 rock grades from altered intermediate tuff into much more leucocratic grey to light grey 1 1 1 fs-sericite, sericite defines strongly 1 1 1 1 grained: weak to moderate carbonate; 2-3% 1 1 1 disseminated pyrite; locally up to 5% pyrite, contains a number of breecia zones. 1 1 1 breecia zones are grey to dark grey with chunky 1 1 1 1 might represent brittle core to ductile fault 1 1 1 1 grained: weak to moderate carbonate; cores 1 1 1 1 1 grained: weak to moderate carbonate; cores 1	ERNAL to DESCRIPTION SAMPLE No. INTERVAL from LENGTH 123.38-128.62 moderate_to_strongly_foliated P13307 123.38 124.55 117 locally_silicified_carbonated_stringers	ERVAL to DESCRIPTION SAMPLE Monoport INTERVAL from INTERVAL from LENGTH 123.38-128.62 moderate to strongly foliated publicitied, carbonated stringers 123.38 124.55 117 117 locally_silicitied, carbonated stringers 1123.38 124.55 117 117 irregular - up to lom, thick, 2-58 disseminated 114 114 114 114 SILICIFIED INTERMEDIATE TUFF (FELSIC TUFF?) 114	EFF VAL to DESCRIPTION SAMPLE W INTERVAL from LENGTH LENGTH 123.38-128.62 moderate to strongly foliated portice P13007 123.38 124.55 117	ERVAL to DESCRIPTION SAMPLE NO INTERVAL from LENGTH 123.38-128.62 moderate_to_strongly_foliated P13307 123.38 124.55 117	EFVAL to DESCRIPTION SAMPLE No INTERVAL from ENNTH INTERVAL to Interval to ENNTH Interval to ENNTH Interval to Inter	

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INT from	ER VAL to	DESCRIPTION	SAMPLE No.	INTE from	RVAL to	LENGTH						
		locally grey to dark grey inclusions of										
	<u></u>	intermediate comp. rock are noted within felsic										
		rock - suggests strong silicification of										
		originally intermediate rock.										
·	<u> </u>	<										
·		128.62-130.55 gradation zone from altered	P13311	128.62	130.55	1.93						
		intermediate tuff to highly silicified										
		intermediate tuff such that it takes on										
		rnyolithic look - later on in sequence you find										
		intermediate protolith. 1-3% pyrite										
		130.55-131.87 breccia zone - minor pyrite.										
		131.87-132.43 silicified intermediate tuff: 3-	P13312	131.87	132.43	0.56						
:		5% pyrite, strongly foliated sericitized:	ļ									
	· · · ·	foliation @ 45°C/A	ļ									
•	· ·	132_43-135.10 breccia zone: minor pyrite in										
		blebs up to 3mm across.										
	<u> </u>	135.10-138.44 silicified intermediate tuff:	P13313	135.10	136-70	1.60						
		K* disseminated pyrite.		<u> </u>								
		138 44 - 139 97 puritic braccia zone 19		<u> </u>	v							
		disseminated pyrite.										

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HOLE No.: KL-90-04
这些,我们,我们就是有一些,我们是我们的我们的,我们们就是我们的我们的,我们们就是我们的,你们是我们的吗?""你们是这个吗?""我们是我们的我们是我们的人们的,我们都能能给你,这些我们

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	PAGE	7	of
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INT	TERVAL	DESCRIPTION	SAMPLE No	INTE	RVAL	LENGTH					
17011	10			Trom	10						
		139.97-142.40 siliceous intermediate tuff, 2-	P13314	139.97	140.10	1.27		····			
	<u> </u>	5% pyrite with 7-10% pyrite.									
											L
	 	142_40-144.40 silicified, intermediate tuff.	P13315	142.40	143.85	1.45			<u></u>	ļ	· · ·
	<u> </u>	contains intermediate enclaves indicating	· · · · ·								
		intermediate protolith, 2-5% pyrite.									
144.40	148.8	SHEARED SILICIFIED VUGGY TUFFS									
		grey to light grey, siliceous to felsic in									
		composition: locally fragmental - fragments		i +							
		made up of subrounded porphyroclasts of white									
		feldspar; generally fine to very fine grained;									
		well developed planar fabric; fabric defined by									
		discrete planes of serecite, vuggy texture									
		develops more strongly down hole; still									
		contains intermediate composition enclaves									
		suggesting a strongly silicified intermediate									
		tuff due to felsic fragments - probably	1								
		originally an intermediate feldenar crystal				1				Ī	·
		tuff, weak to moderate carbonate; moderately								1	
	1	faith, weak to indefate calculate, indefately $faith, faith, fa$	1	1	1	1					
	1	$\frac{1}{2} = \frac{1}{2} = \frac{1}$	1	1		-				1	
	+	pisseminared pyrife pyrife fine grained.	1	<u> </u>	-						<u> </u>
 			L						-	1	t
}		<u>144.40-145.50 as above 1-2% pyrite.</u>	P13316	1144.40	145.50	<u>1 1 10</u>			-+	1	<u> </u>
L			1	<u> </u>	1	1	l I			1	L

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IN T from	ER VAL to	DESCRIPTION	SAMPLE NO.	INTE from	RVAL to	LENGTH					
		145.50-148.80 as above 3-5% pyrite.									
148.80	153.40	SHEARED, SILICIFIED, VUGGY FRAGMENTAL						 			
		Similar rock as described above except that mm						 			· · ·
		similar fock as described above except that have					-	 			
		to cm scale leisic llagments ale obvious;						 			
		contains 5-7% py; py is line grained						 			
		disseminated throughout with zones that may						 _			
		fragments (englaves of grow to a grow						 			
		intermediate rock alet of this section is						 			
		aryundlu aryundlu atrongly silisified and								<u> </u>	
	<u> </u>	crumbly - graverly; scrongry sincined and						 			
		flattoned into well developed foliated planes									
	1	Tractened into well developed forfated planes.						 			
		148.80-149.5 3% pyrite	P13318	148.8	149.5	0.70			-		
		151.3-152.7 3-7% pyrite.	P13319	151.3	152.7	1.4					
•											
		152.7 foliation @ 34° C/A.								· .	
154.85	175.8	BRECCIA ZONE		ļ							
					ļ					ļ	ļ
		similar lithologies to above, rock is less vugg	×	<u> </u>				 			
		and it looses its well developed foliated;		ļ				 		ļ	
		fabric still present but not nearly as well									

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INT from	ER VAL to	DESCRIPTION	SAMPLE NO	INTE from	ERVAL to	LENGTH				
		defined; strongly to moderately silicified;								
		weak to moderate sericitization; silicification								
		fairly pervasive except in zones where it is								
		more blotchy rock is very crumbly as in a						_		•
		fault gauge; generally pyrite is disseminated								
		throughout; locally zones upto a few cm. thick								
		can have as much as 10% pyrite; also a zone of								
		tourmaline rich rock associated with moderate					 			
		pyritization is present.								
		155.3-156.2 tourmaline rich zone; disseminated	P13320	155.3	156.2	0.9	 			
		pyrite 3% with discrete zones 10% pyrite.								
		156.2-165 Breccia Zone					 			
		·					 	 		
	ļ	165-166.4 lost core					 	 		
	L						 			
		166.4-167.7 Breccia zone; 3-5% disseminated	P13321	166.4	167.7	1.3	 			
•		pyrite with zones up to 10% pyrite.					 	 		
		· · · · · · · · · · · · · · · · · · ·					 			
		167.7-175.8 Breccia zone - 1% pyrite.			<u> </u>					
175.8	179.2	QUARTZ DIORITE DYKE		ļ	ļ		 	 		
	<u> </u>			ļ			 	 		
-	<u> </u>	dark grey, quartz diorite, fine to medium				ļ	 	 		
		grained; becomes fine grained and foliated down								

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DIAMOND DRILL RECORD

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INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH				
		hole: small mm size crystals of feldspar;								
		homogeneous in composition; chlorite in matrix.								
		5								
179 2	184.7	SHEARED, SILICIFIED VUGGY FRAGMENTAL								•
		same unit as descibed above from 178.8-184.5;								
		foliated @ 33°C/A some tourmaline present 1-5%;								
		upto 3% pyrite disseminated throughout with								
		stringers of pyrite up to 10%.								
		179.2-182 3% disseminated pyrite.								
		182-184.70 sheared, silicified, fragmental								
		tuff; some discrete feldspar fragments upto								
		1cm. diameter; other fragments flattened into								
-		plane of foliated 1-2% pyrite disseminated.								
							-			
184.70	189.9	INTERMEDIATE, LAPILLI, VUGGY TUFF								
•										
		grey in colour, intermediate-moderately								
		silicified; weak to no carbonate; lapilli sized								
		fragments consist of flattened felsic rock;								
		chlorite mica defines plane of foliated; weak								
		to moderate sericitization; no carbonate or								
•		quartz stringers; strongly developed foliation;			- ·					
		3-5% pyrite throughout with discrete ½cm wide								
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		DIAMOND D	RILL RECOR	RD			-	PAGE	11	of 🔵	4
IN T from	TER VAL	DESCRIPTION	SAMPLE NO	INTE from	RVAL to	ENGTH					
		zones with upto 20% pyrite; locally banded									
		texture evident but this is not prevalent; vugs									
<u></u>		only 1-3% of rock.			·				-		
		184.70-186.65 3-5% pyrite with discrete ½cm.	P13323	184.70	188.65	1.95					
		wide zones containing up to 20% pyrite.					 				
189.4	217.80	SILICIFIED INTERMEDIATE TUFF									
	<u> </u>										
		grey to light grey; contains enclaves/streaks									
		of dark grey intermediate rock- again suggests									
		silica alteration to an intermediate protolith;									
		moderately sericitized; lots of silica; very									
		weak carbonate; rare quartz filling minor cm									
		wide fractures - disseminated pyrite throughout									
		3%; most pyrite is concentrated around									
		intermediate comp. enclaves - here upto 10%		-							
		slightly vuggy.									
•											
		189.4-190.7 silicified intermediate tuff 3%	P13324	189.4	190.7	1.3					
		disseminated pyrite with pyrite concentrations									
		of upto 10% around intermediate enclaves.					 				
		193.5-195.03 as above 2-4% disseminated pyrite	P13325	193.5	195.03	1.53					
		foliated @ 42°C/A.					· ·				
	1		1	L					L	<u> </u>	L

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	-	DIAMOND D	RILL RECOR	RD			PAG	12	of	
INT rom	ERVAL to	DESCRIPTION	SAMPLE NO	INTE from	RVAL to	LENGTH				
		going down hole - same silicified intermediate								
		tuff: 1-3% pyrite disseminated throughout again								
		with pyrite concentration around intermediate			-		 			
		enclaves, there is some evidence that silica								
		has replaced lapilli sized fragments as one					 			
		goes down hole - fragments look as though they					 			
		were composed mainly of felsic material - white					 			
		feldspar, none to very weak carbonation.								
		198.25-198.70 breccia zone - chloritic matrix					 			
		with guartz fracture fillings: barren of					 	L		
		sulphides and carbonate.								
		198.70-200.3 silicified intermediate tuff 2-3%	P13326	198.70	200.3	2.4		ļ		L
		disseminated pyrite; weak carbonate.								
								ļ		
		203.3-204.65 2% disseminated pyrite.	P13327	203.3	204.6	1.35				ļ
								· .		
٠		206.25-207.5 3-5% pyrite	P13328	206.15	207.5	1.35				L
										L
		208.4-208.6 very fine grained quartz diorite						<u> </u>		L
		dyke, strongly foliated, breccia of sulphides.								
										
		208.6-210.5 silicified intermediate tuff as		l						ļ
•		above guartz diorite dyke.			-					
		_					-			

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111	TERVAL	DESCRIPTION		INT	ERVAL	LENGTH			
from	to			from	to		 		
		210.5-211.93 as above; weak to moderate	P13329	210.5	211.93	1.47			
		sericitization; 1-3% pyrite; foliated @ 24°C/A			L				
		·							
		212.65-214.75 as above; 1-5% pyrite weakly	P13330	212/65	214.75	2.10			•
		carbonatized; stronger silicification					 _		
		216.90-217.83 medium-fine grained grey quartz							
		diorite dyke; medium foliation; little							
		sericite.							
		· · ·							
		217.33-217.80 silcified intermediate tuff as		I					
		above, guartz diorite dyke.							
217.80	232.20	BRECCIATED, SILICIFIED, INTERMEDIATE TUFF							
		Variable packages of rock ranging from dark							
		grey; vuggy (possibly tourmaline rich)zones to							
		strongly sheared, sericite rich, strongly							
		silicified intermediate tuff - good breccia							
		zone							
		the dark grey, vuggy rock is massive, fine							
		grained; up to 30% vugs - contains 15-20%							
		pyrite; these zones can be upto 40cm. thick,							
		locally this rock is permeated with Fe			•				
		dolomite (fizzës only when scratched) weak							

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	DIAMOND D	RILL RECO	RD			PAG	E 14	of 💽
INTERVAL from 1 to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH			
	carbonate; where Fe dolomite and silicification				1 1		1	
	occurs the dark grey vuggy rock has a splotchy						1	
	white and grey texture.							
	the host rock (silicified intermediate tuff) is							
	strongly silicified; weak carbonate with Fe							
	dolomite; discrete zones of reddish brown (fe			1	1			
	bearing) sericite occur through this rock, py							
	is disseminated throughout 3-5% pyrite -							
	locally upto 10%.							
			1					
	217.8-219.0 strongly silicified intermediate	P13331	217.8	219.0	1.2			
	tuff containing patchy textured intermediate							
	tuff with upto 15% pyrite; disseminated pyrite							
	1-3% (defines top of breccia zone) foliation @							
	34°C/A.							
					· · · · ·			
	219.0-219.5 dark grey, vuggy (tourmaline rich)	P13332	219.0	219.5	0.5			
	breccia zone, 20-25% pyrite.							
	219.5-220.5 a mixed zone of dark grey breccia	P13333	219.5	220.5	1.0			
	rock upto 10cm. thick and sericite rich,							
	sheared silicified intermediate tuff, 3-8%							
	disseminated pyrite throughout.							
•								
	220.5-221.7 3-8% pyrite	P13334	220.5	221.7	1.2	T	1	

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建筑 建立 化二磷酸铵

"如果是非常是这些是不是是,我们的是是是不是你的。""你们,你们就是你们的?""你是是你的你?""你是你是你?""你是你是你?""你是你们的,你们不是你们的?""

DIAMOND DRILL RECORD

HOLE No. KL-90-04

IN T from	TER VAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH		-		
		221.7-223.2 3-5% pyrite	P13335	221.7	223.2	1.5				
_										
223.2	228.5	SHEARED, SILICIFIED, INTERMEDIATE TUFF								
		as described above, breccia zone (189.4-217.8);								
		<pre>pyrite disseminated throughout rock - 1-3%;</pre>								
		weakly carbonatized; strongly silicified;								
		sericitization pervasive; local zones of			L					
		intermediate tuff atest to protolith.								
		232.2-227.70 1-3% pyrite	P13336	223.2	227.70	1.5				
	<u> </u>		ļ	_	ļ					
228.5	229.25	SILICIFIED INTERMEDIATE TUFF								
		fine grained; grey to light grey - siliceous		ļ						
	1	intermediate tuff; fairly homogeneous in			ļ			 		
	· ·	composition; moderately foliated - much less								
		sericite; none to weak carbonate; very fine		ļ	ļ					
	· ·	grained disseminated pyrite throughout 2%.	<u> </u>		L			 		
					<u> </u>	 		 		
229.25	240.0	SILICEOUS SOLUTION BRECCIA (?) (INTERMEDIATE			ļ				ļ	
		TUFF) ·				ļ		 	ļ	ļ
			<u> </u>			ļ				
		Spotty white to grey, fine to medium grained		<u></u>	<u> </u>					 L
		with cm. scale ovoid patches of silica and/or	ļ		**	-	L			 ļ
		carbonate (weakly carbonatized); patches of							L	
										FORM . ISAT

Rio Algom Exploration Inc. HOLE No. : KL-90-04 DIAMOND DRILL RECORD

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神经常的人,并不觉难得了这些事情的。这个

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的图图

17月2日(18月2日)

动物的领导中并分

PAGE 16 of 24

INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INT: from	ERVAL to	LENGTH						
		silica variably flattened - gives rock a										
		somewhat plutonic aspect; well developed										
		foliated @ 35°C/A; moderate to strongly						<u> </u>			l	
		sericitized; rare fuchsite; locally yuggy; fine										·
		to very fine grained pyrite disseminated								L		ļ
		throughout; 3-5% pyrite, contains zones of						L	L			L
		unbrecciated silicified, intermediate tuff upto								<u> </u>		ļ
		10cm thick.										l
	ļ								 	ļ	ļ	ļ
	ļ	230.0-231.3 3% very fine grained disseminated	P13339	230.0	231.3	1_3		 	ļ	ļ		
	 	pyrite.	ļ	†	ļ			ļ	[ļ		
<u></u>	<u> </u>			<u> </u>			<u></u>		_	·		
· · · · · · · · · · · · · · · · · · ·	ļ	231.3-232.7 3-5% disseminated pyrite	P13340	231.3	232.7	1.4		<u> </u>	 			
				 		ļ				 		
		232.7-234.05 1-2% disseminated pyrite	P13341	232.7	234-05	1.25		┨────	 	ļ		
						· ·		<u> </u>		 		
		234.05-235.5 3% very fine grained disseminated	P13342	234_05	235.5	1.45			_			<u> </u>
	· · · ·	pyrite.		<u> </u>				┨────	 			
•	<u> ·</u>							<u> </u>				╂────
		235.5-237.0 1-3% disseminated pyrite contains	P13343	235_5	<u>237.0</u>	1.5		┨────				┢────
	+	small (2-3cm. thick) zone, of 5% tourmaline.						╂────		<u> </u>		
			ļ			╂───				<u> </u>		<u> </u>
	+	237.0-238.4 1-2% pyrite disseminated	P13344	237.0	238_4	1-4			<u> </u>	<u> </u>		╂────
	+	throughout; rare fuchsite: contains discrete				+			 			
		zones of sheared, siliceous, intermediate tuff				┼───			<u> </u>			<u> </u>
			L	<u> </u>	1	1	<u> </u>	<u> </u>	I	<u>I</u>	I	FORM

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DIAMOND DRILL RECORD

PAGE 1-

HOLE No. : KL-90-04

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IN T from	TERVAL to	DESCRIPTION	SAMPLE NO	INTE from	ERVAL to	LENGTH					
		238.4-240.0 moderately vuggy; 1-3%	P13345	238.4	240.0	1.6					
		disseminated pyrite.									
240.0	243.0	OUARTZ DIORITE DIKE									
		grey to light grey; intermediate felsic in									
		comp.; homogeneous in comp. throughout; medium									
		to fine grained, mm scale gtz-feldspar									
		crystals; weakly carbonatized; weakly									
		sericitized; moderate to well foliated; 1-2%									
		very fine grained disseminated pyrite;									
		foliation @ 33°C/A.									
		240.0-244.0 1-2% pyrite (disseminated)	P13346	240.0	240.9	.9					
244.0	268.15	SHEARED, SILICIFIED, INTERMEDIATE TUFF-BRECCIA									
		ZONE									
•		A composite package of silicified intermediate									
		tuff variably sheared and brecciated.									
		sheared rock identified by very strongly									
		developed foliated abundant serecite; weakly									
		carbonatized; has a patchy texture of grey,									
		dark grey and white; contains upto 10%			- -					•	
		disseminated pyrite; slightly vuggy; contains			<u> </u>						
					-						

DIAMOND DRILL RECORD

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	TERVAL				DVA I				 	
from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH				
		upto 10% disseminated pyrite; slightly vuggy;								
		contains upto 5% tourmaline, the unsheared rock								
	<u> </u>	is a more uniform grey colour; medium to								
		strongly silicified; tourmaline free - more the								•
		typical silicified intermediate tuff; the								
		breccia zones are dark grey in colour; well								
		developed vuggy texture - rich in tour maline?								
		hense the darker colour; spotty texture derived								
		from feldspar porphyroclasts in dark grey vuqqy								
		matrix, the silicifed intermediate tuff								
		contains upto 3% disseminated pyrite; the								
		breccia zones contain no visible sulphides.					_			
		244.0-244.25 sheared; silicifed intermediate								
		tuff; 3% disseminated pyrite.						-		
		244.25-245.35 silicified intermediate tuff 1-	P13348	244.0	245.35	1.35				
		3% disseminated pyrite.								
		245.35-246.10 sheared silicified intermediate	P13349	245.35	246.1	1.55				
		tuff 5-10% disseminated pyrite.								
		•								
		246.10-247.2 silicified intermediate tuff 1-38								
		disseminated pyrite.								
·					r			-		
		247.2-247.9 breccia zone 1-2% pyrite.								
										500.0

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HOLE No.: KL-90-04

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								PAGE	19	of 24	
INT from	ERVAL to	DESCRIPTION	SAMPLE NO	INTE from	RVAL to	LENGTH					
		247.9-250.05 silicified intermediate tuff, 1-	P13350	246.9	248.3	1.4					
		3% disseminated pyrite.									
		250.05-250.75 guartz diorite dyke	P13351	248_3_	249 7	1.4	 				
		250.75-251.45 silicified intermediate tuff:					 				
		1% disseminated pyrite.					<u> </u>				
							├ ──- ├ ──				
		251.45-251.65 very fine grained to fine	P13352	249.7	251.05	1_35	┠───┠──				
		grained quartz diorite dyke.					<u> </u>				
							╂───┼─				
		251.65-254.0 silicified intermediate tuff:	P13353	251.05.	252.4	1.35					
		upto 3% dissemianted pyrite.									
		254 0 256 0 shorted silisified intermediate									
	ł	tuff. contains discrete zones of wrth 5%	P.1.3.354	252 <u>-</u> 4	253_8	1.4					
		tourmaline: moderate to weakly carbonatized.									
		2% pyrite			 						
4											
		256.0-257.0 silicified intermediate tuff: rare	P13355	253.8	255 15	1.35					
		tourmaline; 1-2% pyrite.	P13356	255.15	256.5	1.35					
· · · · · · · · · · · · · · · · · · ·		257.0-259.7 sheared, silicified, intermediate									
		tuff; contains 5% tourmaline overall, 1-3%									
•		very fine to fine grained disseminated pyrite;		-	-						
		moderate to strongly sericitized; moderately									
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医结束 机水石 双眼的变形

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	HOLE	Ne. :K	L-90)-04	
	PAGE	20	of		

INT from 1	ERVAL	DESCRIPTION	SAMPLE NO	INTE	RVAL	LENGTH			
		carbonatized			10				
		259.7-268.15 strongly sheared, silicified	P13357	256.5	259.7	1.4			
		intermediate tuff; strong sericitization; rare	P13358	257.9	259.35	1.45	 		
		tourmaline; contains enclaves of intermediate	P13359	259.35	260.8	1.45			
		tuff - the rest is strongly altered with silica	P13360	260.8	262.05	1.25			
		and sericite; enclaves may be interpreted as	P13361	262.05	263.6	1.45			
		dykes, at 260.8 intermediate enclave contains	P13362	263.5	264.65	1.15			
		quartz vein, is cut by strongly sheared,	P13363 264.5 266.0 1.		1.5				
		sericite intermediate tuff - shear zone shows	P13364	P13364 266.0 267.3 1.		1.4			
		that brittle fracturing and sheared are coeval.	P13365	267.3	268.65	1.35			
		P13366 268.		268.65	269.80	1.15			
		P13366 268.6526 P13367 269.8027		271.5	1.7			 	
<u> </u>			P13368	271.5	273.2	1.7			
	ļ							 	
272.3	284.45	BRECCIA ZONE WITIN SILICIFIED INTERMEDIATE TUFF					 	 	
	ļ				ļ			 	
		rock becomes dark grey to grey; moderately	P13369	273.2	274.45	1.25	 	 	
•	· ·	vuggy to strongly vuggy; weak to moderate	P13370	274.45	276.0	1.55	 		
		carbonate; variably brecciated - much of the	P13371	276.0	277.3	1.3	 		
		core down hole is gravelly (fault gauge);	P13372	72 277.3 278.7		1.4	 	 	
	<u> </u>	pyrite is very fine to fine grained,	very fine to fine grained, p13373 278.7 280.15 1.		1.45	 	 	 	
	 	disseminated throughout, notable increase in	P13374	280.15	281.35	1.25	 		
	<u> </u>	pyrite content 5-10% with zones of upto 20%	 				 	 	
	 	pyrite most strongly associated with more	 	 					
		brecciated rock.							

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HOLE No. KL-90-04

							PAGE	21	of Z4	
IN T from	TER VAL to	DESCRIPTION	SAMPLE No	INTI from	ERVAL to	LENGTH				
		279.5-282.55 lost 0.61m of core.	P13375	282.0	283.5	1.5				
			P13376	283.5	284.6	1.5				
284.45	287.7	RHYOLITE FELDSPAR CRYSTAL TUFF	P13377	284.6	285.9	1.3				
	L	light grey to white felsic to siliceous tuff;								
		mm scale crystals of white feldspar distinct								
		throughout; rare rounded quartz eyes distinct								
		evenly; upto 5% mafics; weak to moderately								
		sericitization, no noticeable carbonate;								
		contains some tourmaline (no more than 3%								
	ļ	locally); moderate to well developed foliation;								
		foliation @ 34°C/A; 3-5% disseminated pyrite.			ļ					
			P13378	285.9	287.25	1.35				
	<u> </u>	285.6-288.65 lost 0.60m core.								
		288.65-291.7 most 2.40m core.	P13379	287.5	289.6	2.10				
			P13380	291.7	292.8	1.1				
	_						 			
287:7	296.0	BRECCIA ZONE	P13381	292.8	244.1	1.3				
					<u> </u>					
		as describe above from 272.3-284.45	P13382	294.1	295.4	1.3				
ļ		· · · · · · · · · · · · · · · · · · ·	}			 	 			
296.0	296.95	RHYOLITIC FELDSPAR CRYSTAL TUFF	P13383	295.4	296.8	1.4		- <u> </u>		
		as described above $(281.45,287.7)$ 2.5%	D12204	206 0						
 		disseminated pyrite.	r13304	270.0	<u> </u>					

DIAMOND DRILL RECORD

HOLE No. : KL-90-04

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这些时间是他的是有了。我们

INT	TERVAL	DESCRIPTION		INTE	ERVAL	LENGTH				
Trom	to			from	to		 			
296.95	344.6	BRECCIA ZONE	P13385	298.0	299.5	1.5	 			
		as before, zones of pyrite upto 20%; 7% pyrite	P13386	299.5	300.9	1.4				
		overall.	P13387_	300.9	302.3	1.4				
		continuing down hole, this breccia zone reveals	P13388	302.3	303.9	1.6				
		itself a major, extensive zone of relative	P13389	303.9	305.3	1.4				
		<u>pyrite enrichment; breccia zone contains 5-10%</u>	P13390	305.3	306.7	1.4				
		pyrite disseminated throughout locally upto 15-	P13391	306.7	308_0	1.3				
		20% disseminated pyrite; from 304m down (Box	P13392	308.0	309.4	1.4				
		37) a notable increase in the amount of	P13393	1 309,4	310.9	1.5				
		tourmaline; fuchsite is rare but more	P13394	310.9	312.2	1.3		-		
	1	noticeable through this portion of the zone.	P13395	B12.2	313.6	1.4				
		breccia zone is punctuated by strongly sheared.	P13396	313.6	315.0	1.4				
		highly sericitized siliceous intermediate tuff.	P13397_	315.0	316_4	1.4				
		the rock for the most part remains yuggy: rare	P13398	B16_4	317.8	1.4				-
		mafic dykes cut rocks through here at 306.9m	P13399_	817_8	319_35	1.55				
		foliated @ 38°C/A.	P13400_	819.35	320.7	1.35			•	
•	•		P13876	821.2	322.45	1.45				
			P13877	822_45	323.8	1_35				
		•	P13878	823.8	325.6	1.8				
			P13879	825-6	827.1	1.5				
•		from 327.1 (Box 41) pyrite content within			•					
	1	breccia zone decreases to 1-3% disseminated								

计数学发展的 地名美国德尔斯尔 人名英格兰 化合金 书记

DIAMOND DRILL RECORD

HOLE No.: KL-90-04

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								<u> </u>				
IN T from	TERVAL	DESCRIPTION	SAMPLE NO	INTE	RVAL	LENGTH						
				110	10			 	<u> </u>			
		pyrite; characteristics of breccia zone remains	P13880	327.1	328.7	1.6		 		 		
		essentially the same.	P13881	328.7	329.7	1.0						
			P13882	329.7	331.1	1.45		Į				
			P13883	331.15	332.35	1.2	· · · · · · · · · · · · · · · · · · ·					
			P13884	332.35	333.8	1.45						
			P13885	333.8	335.3	1.5						
			P13386	335.3	336.8	1.5						
			P13387	336.8	338.4	1.6						
			P13388	338.4	340.0	1.6						
			P13389	340.0	341.4	1.4	-			1		
	1		P13390	341.4	342.8	1.4						
	1		P13391	342.8	344.6	1.8		1		1		
								1		1		
344.6	355.4	QUARTZ DIORITE CONTACT ZONE										
								1		<u> </u>		
	+	grey to dark grey; generally very fine grained.										
	+	grey to dark grey; generally very line grained;						1				
	+	medium to well follated; follation @ 41°C/A.			}				 			
	+											
•	·	this zone is characterized by sheets of very								<u> </u>		
	ļ	fine grained aphanitic quartz dioritic						ļ				ļ
		sheets/dykes which cut silicified intermediate										
		tuff/breccia zone; sheets upto cm. thick.										
		· .										
		down hole the quartz diorite becomes fine to										
		medium grained small micro-crysts of white										
	1	feldspar are evident: the coarser grained		<u>.</u>	1	1		•	1	1		
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		HOLE No.: KI-90-04									
	•	DIAMOND D	RILL RECOR	RD				PAGE	24	of •	
IN T	TERVAL to	DESCRIPTION	SAMPLE NO	INT! from	ERVAL to	LENGTH					
		quartz diorite is weakly foliated; very weakly									
		sericitized; 1% fine to very fine grained									
		pyrite.			-						
	355.4	END OF HOLE									
	L										
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AZIMUTH:	3550		DIA	MOND DRI	LL RECOR	RD		•		PAGE 1 c	of 9	,
DIP:		LENGTH: 161.5m	ELEVATION:			PROP	ERTY: Ka	kagi La	ke			
STARTED:	Marc	h 16, 90 CORE SIZE:	DATE LOGGED	March 1	7, 90	CLAIN	No.: K1	122052			, <u> </u>	
COMPLET	ED: Marc	h 18, 90 DIP TESTS: collar:	21.3m -52°	155.4m	n-42°	SECT	ION:					
PURPOSE:		casing:	91.4m46°			LOGG	ED BY: Te	rry Nee	dham			
INTE	RVAL	DESCRIPTION	ONTARIO GEOLOCICAL SURVE	SAMPLE No.	INTE	ERVAL	LENGTH					
			ASSESSMENT FILES									
0	11.65	CASING	ADD 95 1000	<u> </u>								-
			APR 20 1990						- <u>.</u>			
11.65	30.65	STRONGLY SILICIFIED FELSIC TUP	F	13901	16.0	17.5	1.5					
		· · · · · · · · · · · · · · · · · · ·		J								
		light grey in colour; textu	rally homogeneous	P13902	23.5	24.95	1.45					
		medium to fine grained fels	ic tuff; locally			 						
		contains cm scale felsic fra	gments (fragments			 	·					
		have sharp margins - well to r	noderately rounded			 						
		- may represent unsilici	fied protolith);				<u> </u>					
		moderately foliated - folia	ation defined by				ļ					
		planes of sericite and lo	org dimension of									
		<pre>pyritic stringers; quartz-fe</pre>	ldspar constitute			ļ	<u> </u>					•••••• <u>•••</u> ••••
		principal phases; strongly si	licified; moderate				DINTERS					
	-	sericitization; no carbonate	noted; few guartz				ATP	X &				
		veins up to 1cm thick; py c	oncentrated along									
		stringers/patches which cont	tain up to 40-50%			l l e			<u>·</u>			
		pyrite; stringers are up to a	few cm. thick -				The	JAK/	$ \ge \downarrow$			
		discontinuous schlieren type	<u>structures - over</u>				MCEOT	AT A				
		all these stringers occupy 3-5	5% of rock volume;									
		1% fine grained disseminated p	ovrite throughout;				ļ					

DIAMOND DRILL RECORD

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INT	ERVAL			INT	ERVAL							
from	to	DESCRIPTION	SAMPLE NO	from	to	LENGTH						
		24.4m foliation @ 27°C/A.										
		locally there is a strongly developed mineral										
		lineation exhibited on the foliated planes										
		defined by sericite and pyrite stringers										
	Í	28.6-30.65 sericite rich zone within strongly	P13903	28.6	30.65	2.05						
		silicified felsic tuff; 25-35% sericite;										
		contains stringers of pyrite as above 5-7%										
		overall.										
	-			1								
		27.75-27.85 guartz vein; barren										
30.65	95.8	COARSE FELSIC FRAGMENTAL TUFF	P13904	36.9	38.4	1.5						
		prev to dark grey matrix containing 60-70%	P13905	38.4	39.8	1.4						
		light grev cm. scale fragments.										
	1.				1							
		Fragments of similar composition to silicified										
		Felsic tuff described above: also contains rare										
		mafic to intermediate composition fragments.										
	1				1							
		matrix is grey to dark grey: fine grained		[1	1						
		chlorite.	1					1				
	1		1					1				1
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DIAMOND DRILL RECORD

								PAGE	3	or	
IN T	ERVAL to	DESCRIPTION	SAMPLE No	INTE	ERVAL to	LENGTH					
		weak to moderate sericitization; weak									
		carbonate, quartz-carbonate veins generally									
		only few mm, thick - few upto 2cm, thick,									
		1-3% pyrite overall - pyrite tends to be									
		concentrated in patches upto few cm. thick -						 			
		contains 20-30% pyrite; 1% pyrite									
		disseminated throughout; highest concentrations						 			
		occur in mm scale patches of pyrite rich rock									
		(50-60%) surrounded by guartz-carbonate haloes:									
		such features are generally rare:									
		42.7m foliation @ 22°C/A.									
		down hole zones upto 50cm, thick contain upto	P13906	47.5	48.9	1.4					
		15% pyrite: fragments show stronger						 			
		silicification than note at top of unit: weakly									
		carbonated.					1. A.				
•											
		49_8-50_0 20cm thick zone of pyrite	P13907	48.9	50_4	1.5					
		enrichment: pyrite 35%.	P13908	53	54.95	1.45					
			P13909	59.4	60.9	1.5					
		60.9-75.20 down hole the rocks remain	P13910	64.0	65.4	1.4					
		texturally similar - still much the same							•		
		coarse felsic fragmental; sericitization is							-		
		less intense; weak carbonate; there is a noted									

HOLE No. KL-90-05

24 Mar 19

DIAMOND DRILL RECORD

HOLE	No.	:	KL-	9	0-	05	5
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· · · · · · · · · · · · · · · · · · ·				···		·		4		-
INTERVAL	DESCRIPTION	SAMPLE No.	INT	ERVAL	LENGTH					Í
trom to			trom	10				 		
	decrease in pyrite content; very fine grained							 	· ·	
	disseminated pyrite 1-2%; I no-longer seen		 						ļ	
	thise pyrite rich wisps noted near the top of				ļ ļ			 	ļ	L
	the hole; guartz-carbonate veining is rare							 	ļ	Ļ
	18.									
	64.5-70.1 lost 1m core	P13911	73.8	75.35	1.55					
	at 75.35 foliation @ 42° C/A.									
	75,20-79,35 notable increases in the amount of			1					<u> </u>	
	sericite TQ 20% of the rock volume though									
	texturally the rock is the same coarse folcic									
	fragmontal: accompanying the ingroace in	1								
	riadmental; accompanying the increase in								<u> </u>	
	sericite is the amount of pyrite; disseminated							 		<u> </u>
	pyrite 3-5% overall mostly concentrated in	1					-+			
	distinct cm. scale zones.	· ·		+					}	
							— 	 	}	
· · ·	down hole from 79.2 occur breccia zones upto	P13912	79.5	60_8_	1.3			 	<u> </u>	╂────
	20cm thick characterised by darker, more	P13913	80_8	82.6	1.8		-+	 	 	_
	chloritic rock which contains clearly	_	 					 	 	
	white/felsic angular fragments: few of these	ļ	ļ					 	ļ	ļ
	zones contain fault gouge: no significant	ļ	ļ					 		_
	pyrite in zone.	 	ļ						ļ	ļ
· .										
	79.35-79.5 breccia zone as described above									

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这种主要的在1000年1月1日中的目的目的目的目的

HOLE No.: KL-90-05

DIAMOND DRILL RECORD

								PAG	5	of y	
INT from	ERVAL to	DESCRIPTION	SAMPLE No	INT from	ERVAL to	LENGTH					
		79.5-86.6 down hole from 79.5 (under first							[Γ
		15cm, wide breccia zone) pyrite content							L		
		increases - fine to medium grained disseminated							<u> </u>		
		pyrite 5-10% over all with discrete cm. scale									
		zones where pyrite may be as much as 20%.									
		80.8-83.2 lost core 0.3m.									
		81.3-81.45 breccia zone	P13914	82.6	84.1	1.5					
			P13915	84.1	85.5	1.4					Γ
	<u> </u>	83.95-84.15 breccia zone	P13916	85.5	87.0	1.5					
		86.66-96.9 same coarse felsic fragmental	P13917	87.0	88.5	1.5					L
		pyrite fine to very fine grained mostly		88.5	90.03	1.53			 		L
		concentrated in matrix surrounding felsion		93.05	94.55	1.5					L
		fragments: 1-3% pyrite: localy tourmaline in		94.55	95.8	1.25					
		_suspected	ļ	. 							┞
95.8	97:65	QUARTZ DIORITE DIKE									
		grey to dark grey; fine to very fine grained									╞
man		homogeneous in composition exhibits shar							ļ		
		contacts: plag is the dominant felsic phase	╡		ļ						
		difficult to see any quartz, mafics 40-50	9		L			·		ļ	
		mostly chlorite; cut by a number of quart	2				·		1	ļ	
		veins and guartz stringers: weak foliation									

FORM - 1983

HOLE	No.	KL-90-05
PAGE	6	of

IN T from	TER VAL	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH				
		barren of sulphides; although hard to see					-			
		<u>guartz - this rock is most definitely intrusive</u>								
		- probably Kevin's quartz diorite unit.								
		95.8 foliation @ 36° C/A.								
									-	
97.5	102.	COARSE FELSIC FRAGMENTAL	P13921	99.1	100.55	1.45				
		same unit as described above, quartz diorite								
		dyke (30.65-95.8)								
	`			l •	l 					
		locally contains zones upto 5cm. thick which	P13922	103.6	105.1	1.5		 		
		contains 20-30% very fine grained disseminated	P13923	105.1	106.7	1.6		 		
	<u> </u>	pyrite; few guartz-carbonate veins; at 110.4	P13924	108.2	109.7	1.5				
		foliation @ 43°C/A.			ļ					
111.7	144.5	VARIABLY SILICIFIED MAFIC FLOW			ļ					
	ļ							 		
		greenish grey to dark green grey; medium to								
		fine grained: heterogeneous in composition due						 		
	<u> </u>	to silicification: darker green-grey zones						r		
	1	(the least altered.portions) are generally fine			1			 	1	
		to medium grained: locally contain tiny	<u> </u>	Ļ		ļ		 		
	<u> </u>	feldspar microcrysts chlorite is dominant	Į	ļ				 		
		mafic mineral (mafic mins 60% of rock	L	L		L				
		volume), weak to very weak sericitization	1							

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DIAMOND DRILL RECORD

HOLE	No. 1	KL-90-05
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PAGE -7 of

					**		· · ·		7	
INT from	ER VAL to	DESCRIPTION	SAMPLE No.	INTE from	ERVAL to	LENGTH				
		weakly carbonated, silicified zones are								
		generally patchy to wispy - locally associated						 		
		with quartz veining; intensity of						 		
		silicification varies - some portions upto ½m.						 		 · · ·
		thick are bleached light grey and contain upto						 		
	<u></u>	60-70% silica, generally 1% pyrite.						 · · ·		
-		124.3 foliation @ 38°C/A.						 		
		down hole from about 125m. the mafic flow						 		
		contains weak to moderate carbonate: moderate			ļ			 		
		ly sericitized: mm scale pyrite cubes are						 		
		rare: pyrite 1% overall: guartz-carbonate						 		
		veins are more abundant 3-5% of the rocl						 		
		volume.						 		
	ļ				ļ			 		
		131.75-142.4 moderately to strongly altered	Р13925	136.0	137.5	1.5		 		
	ļ	mafic flow - carbonate is moderate to strong			 			 		
·	·	moderate silicification: rare pyrite cubes.			ļ			 		
		·	ļ		ļ			 		
		131.75 foliation @ 34°C/A.			<u> </u>			 		
	ļ		ļ					 		
	ļ	142.4-142.85 preccia zone characterised by				_		 		
	_	quartz veining and quartz stringers.	<u> </u>					 		
· · · ·		Subrounded to sub angular blocks of mafic flow		· · · ·	ļ		-			
		lithologies.				<u> </u>				

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DIAMOND DRILL RECORD

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INT	ERVAL			INT	ERVAL						
from	to	DESCRIPTION	SAMPLE NO	from	to	LENGIH					
		143.7-144.3 breccia zone as above									
144.3	161.5	MAFIC FLOW									
		down hole from silicified mafic flow rocks									
		become darker (higher mafic content - less									
		silica alteration) which signifies the end of									
e.		silica alteration; the rock is fine grained;									
		dominated by chlorite - dark grey-green in									
		colour; moderate to well foliated;									
		characterized by a number of quartz-carbonate									
		veins generally 0.5 to 1.0 cm. thick; in									
		general rock has moderate carbonate; some									
		sericite; rare pyrite patches but generally									
		pyrite 1% overall.						 			
		145.1 foliation @ 41°C/A.									
	•	faint flow banding is barely distinguisable at									
		the top of the unit; down hole, flow banding									
		(layering) becomes guite evident, foliation at	·					 			
		156m @·42°C/A.	<u> </u>								
		weak silicification is evident locally but this									
		is not prominent.									

HOLE No. KL-90-05

			on ir	1C.			HOLE	Ne. :KL	-90-05	;
	DIA	AMOND DRILL RECOR	D				PAGE	9	of	1
INTERVAL from 1 to	DESCRIPTION	SAMPLE No.	INT: from	ERVAL to	LENGTH					
	161 good flow banding @ 54°C/A.									\Box
161.5	END OF HOLE									F
					+					┢
			<u></u>							
	·		<u> </u>							
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	· · · · · · · · · · · · · · · · · · ·					 				F
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LOCATIO	N: <u>1</u> 9E	0+50N	Rio Algo	om Exp	olorat	ion In	C.			HOLE I	No.: KL-	90-06	
AZIMUTH	: 100	٥	DIA	MOND DRI	LL RECO	RD				PAGE	1 of 1	1	•••
DIP:	<u> </u>	• LENGTH: 192.0m	ELEVATION:	TCE		PROP	ERTY: Ta	ramido	Onti	00 802)5		<u></u>
STARTED	· March	20 00 CORE SIZE: DWC	DATE LOGGE	: March 3	01 00	CLAIN	A No.: KR		Opti	511 0 9 2			
COMPLET	EDinapou	20, 90 DIP TESTS: 50 56*	6201 44		.1, 90	SECTI	ION:	90091					
PURPOSE	MARCH		030 -44		·· <u></u>	LOGG	ED BY:	Torry	Noodh				
INTE	RVAL	great			INT	ERVAL		lelly	Neeun				
from	to	DESCRIPTION		SAMPLE No.	from	to	LENGTH						
0	12.8	CASING	IO OSOLOCICAL S	URVEY									
	[AS	SESSVENT FIL	ES								1	
12.8	41.3	CHLORITE - SERICITE SCHIST	OFFICE.								1		
		(MAFIC TO INTERMEDIATE METATUFF)	APR 25 199								1		
		grey-green colour; mafic to int	ECEIVE ormodiate								1	1	
		schist; dominated by chlorite and	sericite;								1		
		plag is also present - local concentry	ations of								1	1	
		plag. give the rock a crystal tuff cha	aracter -									1	
		plag. crystals are generally tiny 1mm	diameter			1					1		
		in such sections; generally the rock i	s fine to										
		very fine grained mafic to intermedi	iate meta										
		tuff; homogeneous in compostion th	roughout;										
		well developed foliation.											
<u></u>							OFESSI	Nai	-				
		moderate carbonate expressed by a n	number of				19	W.C.					
		quartz-carbonate veins and stringers	occupying					NEE	١.				
		upto 10% of the rock volume; sericite	is fairly			20	LE		Ĺ				
		evenly distributed, though some sect	ions upto				est/	2°		ſ			
		¹ ₂ m thick contain a noticeable inc	rease in				NCE C	ONT					
		sericite content - rock much more	strongly										
		foliated in such sections.	-										

这些事件,这些实际的意思的。我们就是我们的问题。

行政部分的政治中心,其如此有少

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HOLE No KL-90-06

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DIAMOND DRILL RECORD

					-			PAGE	2	of T	
INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTE from	ERVAL to	LENGTH					
		pyrite content 18;									
		23.65-27.4 crystal mafic to intermediate tuff containing 20% overall micro-crystals of plag.									
		15.2 foliation @ 36°C/A.									
		27.4-28.7 similar chlorite-sericite schist except that much of the sericite obtains a									
		buff-rusty brown to lilac colour most probably marking a local increase in Fe content in the					 				
		rock.									
		28.7-31.6 chlorite sericite schist with an overall general increase in carbonate: pyrite									
	· ·										
		this zone contains elements of a breccia zone:									
		upto 4cm. thick) the host rick itself is									
		aspect, 2cm, zone of fault gauge; quartz- carbonate veins contain stringers of some									
		unidentified black material.									

FORM - 1983

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DIAMOND DRILL RECORD

HOLE No. : KL-90-06 PAGE of 11 2

	al						+ +				
INT	ERVAL			INT	ERVAL	1 ENGTH					
from	to	DESCRIPTION	SAMP LE NO	from	to						
		30.8 foliation @ 40°C/A.									
		32.35-36.8 rock becomes light green -grey									
		colour - same chlorite-ser icite schist moderate			L						
		to strongly carbonatized; change in colour							 		
		probably a manifestation of some									
		silica/carbonate alteration; localy crystal			ļ				 		
		tuff textures observed - not prominant.							 		
					ļ				 		
		36.8-39.7 intense system of quartz-carbonate			ļ						
		veins/stringers: guartz-carbonate veins upto		·	ļ						
		20cm. thick, contains discrete cm thick shear			ļ						
		planes where sericite is concentrated; strongly			ļ						
		carbonatized; quartz veins again contain			ļ						
ļ		stringers of unidentified black material (not						ļļ			
	<u> </u>	magnetite).				_					
	 	·		ļ	ļ						
41.3	56.65	SERECITIZED/SHEARED MAFIC TO INTERMEDIATE TUFF.	_		ļ	<u> </u>			 		
						ļ		ļļ.			
		very similar rock lithologically to the				ļ	1. 	ļ ļ	 		
		chlorite - sericite schist described above	Į	ļ	ļ	ļ		ļļ			
		(12.8-41.3)						ļ ļ	 		
	<u> </u>		_		<u> </u>		 	 .			ļ
		the rock is streaky, green-grey to grey in	 		4	ļ	ļ	 	 · · · · ·		ļ
		colour: fine to very fine grained chlorite and	 		<u>_</u>	<u> </u>	ļ	┞───┤	 		
		sericite dominate mineralogy. marked increase									L

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DIAMOND DRILL RECORD

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HOLE No. KL-90-06

INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH					
		in sericite content -30-50% as opposed to 15-									
		30% above: moderately to strongly carbonated;					·				
		strongly foljated with concentrations of									
		sericite form inmm thick cream coloured									
		streaks accentuating foliated plane; local									
	<u>.</u>	foliation is disrupted obtaining a kinked						·			
		aspect: folding is evident as deduced from									
		ovoid. closed rings of foliation planes;									
		pressure shadows around competent grains and									
		kinking along with flattening of guartz-									
		carbonate stringers indicate a fair amount of		 	l 	L				<u> </u>	
		shear strain; late guartz-carbonate veins cut									
		foliation at high angles (these veins upto 1cm.	-		ļ						
		thick). rare pyritic stringers lie in plane of	P13926	44.3	45.75	1.45		· · · · · · · · · · · · · · · · · · ·			
		foliation: isolated, very fine euhedral cubes	L								
		of pyrite also seen: pyrite 1% overall.				ļ					
						ļ				ļ	
		local breccia/fault gauge zones upto 5cm.	ļ							<u> </u>	
•	•	thick evident down hole.				ļ					
					L						
	ļ	44.25- foliation @ 31°C/A.				ļ				ļ	
				L		ļ			L		
56.65	57.05	QUARTZ-DIORITE DYKE			 					1	
	_		ļ	ļ	_				·	ļ	 ļ
	ļ	fine grained, sharp contacts with 1-2 cm. thick		ļ	1						ļ
		chill margin.									

	DIAMOND DRILL RECORD									HOLE No. K1-90-06				
		DIAMOND D	RILL RECOP	RD	•				PAGE	5	of 11			
INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTI from	ERVAL to	LENGTH			-					
57.05	62.1	SILICIFIED/SHEARED MAFIC TO INTERMEDIATE TUFF												
		similar litholohy as described above (12.8-												
		41.3) still part of sheared package of rock				· · · ·						· · ·		
		(41.3-56.65) major differences: major increase												
		in the amount of silica alteration coincident					<u> </u>							
		with a marked decrease in serecite content: 10-												
		30cm. thick zones of this rock appear to have												
		<u>up to 60% silica - but definitely the same</u>												
		mafic to intermediate composition protolith:			 	┠────┤								
		rock looses its streaky character due to drop		├		┨───┤								
	 	in serecite content (5-15%); still quite			<u> </u>									
		moderately carbonatized; pyrite 1%.												
		59.35 foliation @ 46°C/A.												
62 1	68_1	MAFIC FLOW	P13927	62.4	63.9	1.5			÷					
•	•	dark grey-green to grey-green in colour: fine	P13928	63.9	65.35	1.45								
	<u> </u>	to very fine grained moderate to well foliated			L									
		- has more massive aspect when compared to rock												
	<u> </u>	above: locally moderately silicified: few			_									
		quartz carbonate stringers; weak carbonate;	·	Į								 		
		weak to moderate serecitization: there is a												
-		weak suggestion of banding in the rock pyrite												
		unto 18, the purite occurs as mm thick										_		

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DIAMOND DRILL RECORD

HOLE	Nø. :	KL-9	0-	06
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IN ⁻ from	TERVAL to	DESCRIPTION	SAMPLE NO.	INT from	ERVAL to	LENGTH				
		stringers - no disseminated pyrite to speak of.						-		
		65.4-66.3 system of quartz veins and stringers			· .				 	
		-quartz stringers - guartz veins occupy upto 70% of rock volume: weak carbonate: 1% pyrite.			· · · · · ·					·
		64-67 lost core; lost 0.6m.								
68_1	76.4	INTERMEDIATE_TUFF						<u> </u>		
		dark grey to grey in colour: very fine to fine grained intermediate tuff: some chlorite 10%								
	-	weak to moderately sericitized: weak to no carbonate: contains few guartz-carbonate		· · · · · · · · · · · · · · · · · · ·					 	
		generally upto 3cm. thick: one quartz carbonate								
·		foliation: locally foliation is very strongly developed: no sulphide mineralization.					 		 	
	-	72.3 foliation at 25°C/A					 			
76.4	80_9	INTERMEDIATE CRYSTAL-LAPILLI TUFF								
•		grey in colour: very fine to fine grained intermediate composition matrix containing mm								

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DIAMOND DRILL RECORD

HOLE No. : KL-90-06

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INT from	TER VAL to	DESCRIPTION	SAMPLE No	INTE from	ERVAL to	LENGTH						
		scale feldspar crystals and flattened felsic										
		lapilli upto 1cm. in long dimension; fairly										
		homogeneous in composition throughout, weak to			-							
		moderately well foliated; minor quartz										
		carbonate veining, contains guartz-chlorite-pl										
		hardly any sericite; weakly silicified if at										
		all; no sulphide mineralization.										
80.9	92.15	STRONGLY SILICIFIED/SERICITIZED INTERMEDIATE										
		LAPILLI TUFF		:								
		light grey to cream coloured; very fine to fine										
		grained - appears to be an intermediate										
		compostion tuff which becomes progressively										
		silicified and sericitized down hole to the										
		point where the rock is 50-60% silica 20-30%										
		sericite ± chlorite; contains flattened felsic										
		fragments/lapilli; contains quartz-carbonate		_								
•		veins/stringers which occupy 5% rock_volume;										
		strongly foliated; weak carbonate in general;										
		1% pyrite, foliated @ 32°C/A - 92.15										
		· .				T						
		84.3 foliated @ 33°C/A.										
92.15	164.7	SILICIFIED/SERICITIZED MAFIC TO INTERMEDIATE			-							
	1	TUFF										
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DIAMOND DRILL RECORD

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INT from	ERVAL to	DESCRIPTION	SAMPLE No.	INTE from	ERVAL to	LENGTH				
		greenish grey to grey in colour; fine to medium	P13929	92.15	93.55	1.4				
		grained chlorite-seracite-quartz plag matrix	P13930	93.55	95.1	1.55				
		containing lapilli (upto 2cm in long dimension)P13931	95.1	96.55	1.45				
		or silicified fragments; fragments are	P13932	96.55	98.1	1.55				
		flattened, ovoid shapes, moderately to strongly	P13933	98.1	99.55	1.45	-			
		silicified; weak to moderate carbonate;	P13934	99.55	101.0	1.45				
		sericite 20% rock volume; well foliated; rare	P13935	101.0	102.5	1.5				
		guartz-carbonate veining; this unit is pyritic;								
		pyrite mostly fine to medium grained generally								
		concentrated in discontinuous stringers along								
		foliation' plane; 3-5% pyrite overall.		I I	1					
		down hole the rock remains much the same but								
		fragment /lapilli character is lost and gives								
		way to simply silicified intermediate tuff;								
		chlorite relatively prominent.							<u> </u>	
									<u> </u>	
		102.5 foliation @ 38°C/A.								
	•									
		104-105.55 very strongly silicified	P13936	104.1	105.6	1.5				
		intermediate tuff - light grey; fine grained	P13937	105.6	107.1	1.5			1	
		well foliated 3-5% mafics (mostly chlorite)	P13938	107.1	108.7	1.6				
		otherwise the rock has been completely replaced	P13939	108.7	110.35	1.65				
		by silica; weak to no carbonate 1-2% very fine	P13940	121.4	122.8	1.4				
		grained disseminated pyrite.			×					
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DIAMOND DRILL RECORD

HOLE No.: KL-90-06 PAGE 9 of

INT from	ERVAL to	DESCRIPTION	SAMPLE NO	INTI from	ERVAL to	LENGTH				
		from 105.55 down hole the rock remains								
		moderately silicified intermediate tuff: rare				tt		 		
		quartz-carbonate veins unto 10cm, thick: weak						 		
		carbonate: weak sericitization, locally				<u>├</u> ──┤		 		
		disseminated pyrite upto 1-2%.								
					1					
		117.9 foliation @ 37°C/A.	P13941	136.4	137.9	1.5				
		137.2 foliation @ 36°C/A.	P13942	137.9	139.4	1.5				
		134.1-139.4 intermediate tuff becomes moderate		1						
		to strongly silicified accompanied by an								
		increase in sericite - 10% pyrite content								
		increases from 1% tp 1-2% disseminated pyrite.								
					L					
		143.7-147.4 another few metres of strongly	P13943	144.7	146.1	1.4		 		
		silicified/sericitized intermediate tuff. grey			ļ					
		to cream coloured - more extensively altered			<u> </u>		·			
· .	· ·	than the zone mentioned above (134.1-139.4);			<u> </u>			 		
		the central portion of this zone contains upto				ļ ļ		 · · · · · · · · · · · · · · · · · · ·		
	ļ	3% disseminated pyrite.						 		
	 	·	ļ	 				 		
L	ļ	147.4 foliation @ 41°C/A.	ļ	 	<u> </u>					
	ļ			 	<u> </u>	<u> </u>		 	 	
		down hole from silicified/sericitized zone_the	 	ļ		┨───┤		 	 	
		rock returns to the more typical moderately								

DIAMOND DRILL RECORD

		DIAMOND D	RILL RECOR	RD				PAGE	10	of 1	
IN T from	ERVAL to	DESCRIPTION	SAMPLE NO	INTI from	ERVAL to	LENGTH					
		silicified intermediate tuff characterised by									
		moderate silicification, moderate									
		sericitization: weak carbonate: rare guartz-									
		carbonate veins; grey to grey green colour;				_					
		chlorite & sericite are principal				_					
		phylosilicates; 1% disseminated pyrite									
		overall: locally intruded by grey to creamy			L	_					
		grey-green guartz diorite dykes up to 30cm.			ļ	_					
		thick:			L						
·					ļ						
		147.6-147.7 minor breccia/fault gouge zone.		• • • • • • • • • • • • • • • • • • • •	ļ	_					
164.7	177.0	INTERMEDIATE TO MAFIC FELSIC FRAGMENTAL TUFF:			ļ	_					
		grey to dark grey chloritic matrix containing									
		cm scale, flattened ovoid felsic fragments;									
		matrix contains, besides chlorite. 15-20%			<u> </u>						
		sericite: fine grained well foliated: fragments			<u> </u>						
•	<u> </u>	principally composed of recrystallized	L								
<u></u>		feldspar: fragments are moderately silicified:	ļ						 		
		<u>1% pyrite: very rare guartz-carbonate veining:</u>									
		at 164.7 foliated @ 52°C/A.	l		1						
			L						ļ		
		166.2-170 strongly silicified intermediate to							L		
		mafic, felsic fragmental tuff, same lithology	,	L	-						
		described above but much more strongly	,				·				

FORM - 1983

HOLE No. KL-90-06

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DIAMOND DRILL RECORD

					•			PAGE	11	of 💶	
INT from	ER VAL to	DESCRIPTION	SAMPLE No.	INTE	To To	LENGTH					
		silicified; light grey ::: moderate to									
		strongly sericitized; 1% pyrite.					 				
173_0	184,15	SILICIFIED INTERMEDIATE TUFF			 						
		_grey, medium to fine grained, contains 5-10% chlorite - plag-gtz-serecite; moderately silicified; shows evidence of lavering parallel									
		to well developed foliation locally exhibits									
		fragmental character: rare quartz veining 1%									
		pyrite.				ļ	 -				
		foliation @ 176_8 is @ 42°C/A									
184,15	192_0	SILICIFIED INTERMEDIATE FRAGMENTAL TUFF					 · · ·				
		as described above (164.7-177)									
		189 foliated at 34°C/A.									
-	. 192.0	END OF HOLE									
		· · · ·					 				
·											

FORM - 1983

CARGE STREET, S

11.= 30.0 1998 - 111

HOLE No. KL-90-06

() pres	o Lileo -				•
Ministryof Re	POR DOCUMENT	No.			
Recources of	Work W9001-06	67			
Ontario ROOKS LAK	F 6.2670	The Min	52F04NE0007 22 BR0	OKS LAKE	900
Name and Postal Address of R	ecorded Holder			Prospector's Lic	ence No.
Q04-675 West	URCES LTD. Hastings Street	<u></u>		<u>T. 4371</u>	
Vancouver B.	$\frac{V6B 1N2}{V6B 1N2}$				
Total Work Days Cr. claimed	Mining Claim	Work	Mining Claim	Work Mining	Claim Work
1647	Prefix Number C	Days Cr. Prefi	k Number	Days Cr. Prefix	Number Days Cr.
for Performance of the followi work. (Check one only)	[™] K 896091	100 K	896101	110	
Manual Work	896092	100	896102	100	
Shaft Sinking Drifting or other Lateral Work.	896095	100	896103	100	
Compressed Air, other Power driven or	896096	100	896104	100	
mechanical equip.	896097	100	896110	100	
	896098	100	896111	97	
drilling	896099	100	1085101	100	
LILend Survey	896100	140	1085102	100	
All the work was performed o	n Mining Claim(s): K590290	(1017)	K896096 (63	0) *	
Required Information eg:	type of equipment, Names, Add	resses, etc. (S	See Table Below)		· · · · · · · · · · · · · · · · · · ·
ADVANCE DIAMO	ND DRILLING		ULTRAMORT	LE DIAMOND DR	TLLING
P.O. Box 1323			12709 - 2	Ath Amonuo	Inna
2000 Diwonaid	- During		12700 - 2	a chi Avenue	
2090 Riversia			Surrey, B		ana an an
Timmins, Onta	[10		V4A 2E6		
P4N /J8	10.10		10.4	~ ~ ~ ~	
18 Feb. 90 -	13 Mar. '90		19 Mar. '	90 - 23 Mar.	'90
Boyles T38			JKS 300		
KENOF	A ONTARIO GEOLO	CICAL SURVE	Y (4cyl. De	utsch)	
		ne ne			
		5 1000			
APR 06 1	990	0 1330			
7891011121	23456 RECE	IVED	Mar 26 0		
Certification Verifying Rep	ort of Work				
I hereby certify that I have or witnessed same during an	a personal and intimate knowledge o d/or after its completion and the an	f the facts set f	orth in the Report of W true.	ork annexed hereto, having	performed the work
Name and Postal Address of Po	erson Certifying				
Iain F. Downig	e, 2035 Montrose P	1., RR	4. Site 3.	Box 19. Thind	Bay. Ont
P7C 4Z2			15-04-	90 Alant	han
Table of Information/Atta	chments Required by the Mining	g Recorder		<u>Y</u>	
Type of Work	Specific information per t	ype	Other information (Cor	nmon to 2 or more types)	Attachments
Manual Work					
Shaft Sinking, Drifting or other Lateral Work	NII		Names and addresses of manual work/operated	Work Sketch: these are required to show	
Compressed air, other power	Type of equipment		with dates and hours o	the location and extent of work in	
driven or mechanical equip.		and at			relation to the nearest claim post.
Power Stripping	Note: Proof of actual cost must be within 30 days of recording	submitted	Names and addresses o		
Diamond or other core	Signed core log showing: footage.	diameter of	together with dates wi done.	hen drilling/stripping	Work Sketch (as
drilling	core, number and angles of holes.		896	07/	above) in duplicate
Land Survey	Name and address of Ontario land	surveyer.		NII	Nil
/06 (81/3)					

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Ministry of Re Natural of	port DOCUMENT	No. 69	1:	nstructions —	Supply re type of w	quired data on a vork to be reco	separate for rded (see tab	m for eac
Ontario BROOKS LA	KE G 2170	The Miniu	n Act	-	of Work (Expenditu	schnical work us Beological, Geopi res)''.	e torm no. 136 hysical, Geoch	emical an
Name and al Address of F	ecorded Holder					Prospector's Lic	ence No.	
RIO ALGOM EXP	LORATION INC.					A30260		
2400-120 Adel	aide Street WEst,	Toronto	o, Ont	tario MS	5H 1W5			
Summary of Work Perform Total Work Days Cr. claimed	ance and Distribution of Credit	s Work	Minin	Ciaim	Work	Mining	Claim	Work
530	Prefix Number	Days Cr. Pro	efix	Number	Days Cr.	Prefix	Number	Days Cr.
for Performance of the follow work. (Check one only)	Mg K 1122041	40 K	1	122055	40			
Manual Work	1122042	40	1	122056	40			
Shaft Sinking Drifting o other Lateral Work.	r <u>6</u> <u>1122043</u>	40	1	122057	40	· · ·		ļ
Compressed Air, other Power driven or	1122050	40	1	122058	40			
mechanical equip.	1122051	40	1	122059	40			
Diamond or other Core	1122052	50						
drilling	1122053	40						
	1122054	40						
All the work was performed o	n Mining Claim(s): K11220	52 (530)				***	
Required Information eg:	type of equipment, Names, Ad	dresses, etc.	(See Tab	ble Below)	·			
2.								
Ultramobile D	iamond Drilling							
12708 - 24th	Avenue							
Surrey, B.C.								<i>t</i>
V4A 2E6								
JKS 300						KENC		_
(4 cyl. Deuts	ch)					{ ECE		\mathbb{D}
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a Andrey Z						A 10 11 12	12345	0
α. • • • • •							0	
			Dat	e of Report	90	Recorded Hall	or gent (S	ignature)
Sertification Verifying Rep	oort of Work							
I hereby certify that I have or witnessed same during a	a personal and intimate knowledge nd/or after its completion and the a	of the facts se nnexed report	t forth in t is true.	he Report of V	Vork annexi	ed hereto, having	performed th	e work
Name and Postal Address of P	erson Certifying						· · · · · · · · · · · · · · · · · · ·	
Iain F. Downi	e, 2035 Montrose 1	<u>21., RR</u>	#4	Site 3, • Certified	Box 1	9. Thund	er Bay	Ont
P7C 4Z2				26-03	-90	Aus	KONL	<u> </u>
able of Information/Atta	chments Required by the Minir	ig Recorder	Tarter		<u>`</u>			
Type of Work	Specific Information per	type	Other II	nformation (Co	ommon to 2	or more types)	Attachr	
Manual Work	NII		Name	and addresses	of men whi	performed	Mark Skata	
ther Lateral Work			manua with d	ates and hours	ed equipme of employr	nt, together nent,	are required	in: these d to show h and
Compressed air, other power driven or mechanical equip.	Type of equipment				, ,		extent of w relation to	ork in the
	Type of equipment and amount e	xpended.					nebrest clai	m post.
Power Stripping	Note: Proof of actual cost must b within 30 days of recording.	e submitted	Name togeth	and addresses or with dates v	of owner o vhen drilling	r operator j/stripping		
Diamond or other core drilling	Signed core log showing; footage, core, number and angles of holes.	diameter of	done.	112	2040		Work Sketc above) in d	:h (as uplicate
Land Survey	Name and address of Ontario land	d surveyer.	-		NII		Ni	1
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