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DRILL HOLE RECORD

Location QUE RIVER **Property** Mineral lease 3M/75 **District** TASMANIA, AUSTRALIA **Bearing (M)** 97·8 **Hole No** Q.R.100

Commenced 10·9·76 **Completed** 24·9·76 **% Recovery** 98% **Grid bearing (M)** 8°·45' **Date** 5·10·76.

Objective To test beneath PQ system at 525 R/L and beneath 'S' lens at 400 R/L on 7200 N. **Core size** HQ to 36·1 m, NQ to 184·5 m, BQ to 550·5 **Logged** C.H. YOUNG

Co-ordinates 7201·2 N, 4971·5 E **Dip** 57·5° **Alt./R.L.** 709·16 m

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0·00										
0·00	57·50	97·8	SURVEYORS PICKUP	0·0	57·5	97·8	7201.20	4971·50	709·16	
12·0	56·25	108·9	OLD EASTMAN CAMERA.	25·0	56·0	97·8	7201·44	4985.20	688·25	No. P.Q lens mineralization was intersected.
33·0	55·75	101·5	"	50·0	55·8	98·5	7201·59	4999·23	667·56	
64·0	55·75	104·0	"	75·0	55·8	100·0	7201·47	5013·30	646·89	
94·0	55·00	102·5	"	100·0	55·5	98·5	7201·35	5027·41	626·26	
118·0	55·50	103·0	"	125·0	55·5	98·5	7201·41	5041·57	605·66	
148·0	53·75	104·0	"	150·0	53·5	99·5	7201·34	5056·08	585·31	Stronger pyrite mineralization including 35 cm of Cu 1·78% is interpreted to represent the 'S' lens position. 502·3 – 510·0 m.
172·0	52·00	104·5	"	175·0	51·0	101·0	7200·94	5071·25	565·44	
196·0	47·00	110·5	"	200·0	46·5	103·0	7200·00	5087·57	546·56	
217·0	44·50	87·50	"	225·0	41·0	104·5	7198·42	5105·53	529·29	
232·0	37·50	109·00	"	250·0	37·0	105·5	7196·30	5124·83	513·57	
259·0	37·00	109·50	"	275·0	36·8	105·5	7193·94	5144·76	498·65	
298·0	35·50	109·50	"	300·0	35·0	106·5	7191·37	5164·91	484·09	
304·0	34·75	112·00	"	325·0	34·0	106·5	7188·60	5185·33	469·93	
343·0	33·25	109·50	"	350·0	33·0	105·5	7185·97	5206·01	456·14	
373·0	32·50	109·80	"	375·0	32·5	106·0	7183.40	5226·88	442·61	
406·0	32·00	112·00	"	400·0	32·0	107·5	7180·46	5247·81	429·27	
427·0	27·50	N/R	"	425·0	29·0	109·0	7176·90	5269·05	416·59	
454·0	21·50	N/R	"	450·0	24·0	110·5	7172·63	5290·98	405·44	
490·0	14·00	115·50	"	475·0	17·8	111·0	7167·78	5313·80	396·55	
540·0	7·50	N/R	"	500·0	12·0	112·0	7162·45	5337·33	390·14	
				525·0	8·5	112·0	7156·82	5361·27	385·69	
				550·0	7·0	112·5	7151·03	5385·35	382·32	
				550·5	7·0	112·5	7150·92	5385·84	382·26.	

G.R. 100 – EASTMAN SINGLE SHOT DOWNHOLE CAMERA SURVEYS.

COMMENCED : 28·7·76
COMPLETED : 28·8·76
DEPTH : 781

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DIAMOND DRILL LOG

Hole N° [illegible] Page N° 1

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		NO CORE							
1.5	5	DTL Buff to pink deeply weathered partly kaolinised carbonated feldspar porphyritic lava/lava breccia Weathered Iron stained down to 14.0m Fragments of dacite to 5cm are included in a fine grained groundmass of similar texture and composition.	BROKEN CORE						Pyrite <1%
0.8									
0.5									
1.1									
0.5									
1.4	10								
1.3									
1.2			F						
1.6	13.7	DTL Buff to pale green carbonated locally sericitic fine grained Dacite-breccia Relatively Fresh - fine grained locally flow banded? Quartz - feldspathic groundmass. Fragments to 10cm have been noted.	c						
1.6	15								
1.5									
1.6									
1.5	20.0	DTL Buff to pink carbonated, locally silicified lava - breccia. Similar to above. Essentially a fine grained quartz - feldspathic rock, locally brecciated with fragments to 10cm.	c						
3.0									
	25		c						

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DIAMOND DRILL LOG

Hole N° QR 100 Page N° 2

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		DTL as above							Pyrite < 1%
3.0		The rock is similar to that above, locally flow banded.							
3.0	30								
3.0									
3.0	35								
HQ / NQ 1.4									
3.0									
3.0	40								
3.0	42.4	Green to buff carbonated, locally chloritic dacitic tuff lava. Similar to above 42.4 m. Chlorite alteration has imparted a green colouration. 47.0 m carbonate vein subparallel to core axis.							
3.0	45								
3.0									
	49.5 50	Buff-pink carbonated lava - breccia							

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DIAMOND DRILL LOG

Hole N° QR 100 Page N° 3

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		DTL as above							Pyrite <1% as above.
3.0	55								
	55.7	D Buff - pink carbonated dacite. Fine grained massive rock, essentially quartz - feldspathic groundmass.							
3.0	59.3	A? D Green locally - buff carbonated locally chloritic porphyritic dacite? Similar to the rock above 59.3m Green in appearance due to chlorite alteration. This rock may be andesite Feldspar phenocrysts to 3mm are replaced by sericite - chlorite. Small chlorite blebs may replace ferro-magnesian minerals.							
3.0	60								
3.0	65								
3.0									
3.0	70								
3.0									
	75								

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DIAMOND DRILL LOG

Hole No DR100 Page No 4

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%; Common 5-15%; Abundant 15-60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		Dykes above							Pyrite <1% as above.
3.0	78.5	AP / ASP.? Buff-pale green carbonated, silicified lava-breccia / lithic tuff agglomerate							
3.0	80	Similar to the rock above. 78.5 m. Fragments are "shredded" in appearance. green porphyritic weakly chloritized							
3.0	85	The matrix or groundmass is of similar composition.							
3.0	87.5	A - Green carbonated locally sericitic porphyritic dacite / andesite - dyke or flow							
3.0	90	AP/ASP? Green carbonated locally chloritic lithic tuff agglomerate							
3.0	90.5	as above 84.5 m.							
3.0	94.4	A Green carbonated chloritic porphyritic andesite - feldspar phenocrysts are replaced by chlorite-sericite. Small aggregates of chlorite replace ferro-magnesian minerals.							
3.0	97.1	Green carbonated chloritic feldspar porphyry andesite similar to above 92.1. More obviously porphyritic							
3.0	100								

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DIAMOND DRILL LOG

Hole No QR 100 Page No 5

Feature : Bedding, Foliation, Fragment - size & shape 0%, Shearing, Fault F, Vein c carbonate q quartz

Mineralization : Trace 1 - 5%, Common 5 15%, Abundant 15 60%, Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		A as above							Pyrite < 1%
3.0	105								
2.3									
3.1	110	Dark green carbonated chloritic vesicular andesite. Fine grained massive rock possibly dyke? Vesicles are filled with white carbonate to 4 mm long.							
3.0	115								
	115.6							115.6	
3.0	117.5	DRWT Grey carbonated locally sericitised coarse lithic tuff Polymictic. lithic fragments to 3 cm in a crushed - lithic matrix						117.5	Pyrite 3% as disseminations and aggregates, locally 5%.
3.0	120	AP Green carbonated locally chloritised lithic tuff agglomerate. Lithic fragments are irregular to sub-rounded in outline. Feldspar - porphyry predominates. The matrix is of similar appearance and composition to the fragments. Small chlorite flecks may be replaced ferro-magnesian minerals.							Pyrite < 1% as above.
3.1								123.0	1 cm Pyrite 5% as secondary aggregates.
	125								

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DIAMOND DRILL LOG

Hole No 79-100 Page No 6

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		AP as above This unit is fragmental in appearance but is possibly a lava breccia. Replaced feldspar is occasionally pink in colour indicative of albite. Very fine < 1mm specks of white feldspar (carbonate replaced) are also common.	BROKEN CORE						Pyrite < 1% as above.
3.0	130								
3.0									
3.0	135								
3.0									
3.0	140								
3.0									
3.0	145								
3.0									
	150								

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DIAMOND DRILL LOG

Hole N° Q-R-100 Page N° 7

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		AP as above.							Pyrite <1% as above
2.8									
3.1	155								
3.1									
3.1	160								
3.1									
3.0	165	168.0m. Foliation at 30° to CA. is common.							
3.0									
2.6	170								
3.1	173.0	Buff carbonated lithic tuff agglomerate ASP "Contact - alteration zone" Buff - bleached lithic tuff agglomerate	BROKEN CORE						
	175								

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DIAMOND DRILL LOG

Hole No QR100 Page No 8

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		ASP as above with "shredded" porphyritic fragments.			Pyrite <1% as above.
	176.6				
3.0		ASP Buff to green carbonated feldspar crystal lithic tuff agglomerate (shredded fragments) locally chloritized.			
3.0	180	Lithic fragments to 6cm, generally elongated in the direction of foliation at 30° CA are characteristic. They consist of porphyritic lava?, phenocrysts to 3mm of sericite, chlorite replaced feldspar are common. The fragments have a typically "shredded" appearence.			
3.0					
NQ / BQ	185				
2.4				186.0	Pyrite 3%-5% as dissemination and aggregates.
3.1		The matrix is green in colour due to chlorite alteration, fine grained and siliceous.		187.0	Pyrite <1% as above.
	190				
3.1					
3.0	195				
3.0					
	200				

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DIAMOND DRILL LOG

Hole No QR 100 Page No 9

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0	200.2	ASP as above AP Green carbonated, chloritic feldspar crystal lithic tuff agglomerate Lithic fragments to 6cm are angular in outline and consist of a feldspar porphyry. Feldspar is replaced by white carbonate the groundmass is fine grained and chloritic. The matrix or groundmass is light grey in colour of similar composition and texture to the fragments. This unit may be a lava breccia. Minor ASP. lithic tuff units to 50cm have been noted.							Pyrite <1% as above
3.0									
3.0	205								
3.0									
3.0	210								
3.0									
3.0	215								
3.0									
3.0	220	Bedding 35° to C.A.							
3.0		ASP Grey green carbonated locally sericitic locally chloritic lithic tuff agglomerate Lithic fragments are irregular in outline with a "shredded" appearence. to 6cm. They consist of feldspar porphyry						220.2 220.7 222.2	Pyrite 3% as disseminations Pyrite <1% Pyrite 2% - 3% as disseminations.
3.0	225								

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DIAMOND DRILL LOG

Hole No QR 100 Page No 10

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
3.0	230	ASP as above Where feldspar is replaced by pink albite and more commonly pale green sericite. The pseudomorphs of sericite after feldspar are up to 4 mm long. The fragments appear to be composed of feldspar porphyry lava. Fragments similar to the andesite have been noted. The matrix is of minor extent - fine grained and siliceous				Pyrite 2% - 3% as above
3.0	233.5	SP Grey - pale green carbonated sericitized lithic tuff agglomerate.			233.5	Pyrite 3% - 5% locally 10%, rare sphalerite, galena as dissemination and aggregates.
3.0	235	Similar to the rock above, logged as SP due to increasing pyrite content. Fragments are pale green to grey in colour with typically "shredded" outlines. The matrix is grey in colour fine grained and siliceous.				
3.0	240					
3.0		Sericite replaces feldspar and it is possible some sericite aggregates replace vitric shards.				
1.0	245	The rock may be an altered ignimbrite Foliation 30° CA.				
2.7	249.1	ASP Pale green carbonated locally sericitized locally chloritic porphyritic lithic tuff			249.1	Pyrite < 1% as dissemination.
	250					

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DIAMOND DRILL LOG

Hole No GR 100 Page No 11

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
1·8		ASP as above agglomerate. Similar to the S.P above. logged as ASP due to decrease in pyrite content. Green to pale green in colour due to chlorite alteration			Pyrite < 1% as above
1·1					
3·0	255				
	257·4			257·4	
3·0		DP/PDP Grey, green carbonated locally ser locally chloritic lithic tuff agglomerate (grey matrix)			Pyrite 3% - 5% as disseminations and aggregates.
3·0	260	Lithic fragments are pale green to buff in colour to 6 cm. They have sub-rounded to irregular outlines and consist of feldspar - porphyry lava or ash flow tuff?			
3·0	265	This unit may represent a less altered variety of PDP.			
2·3		The matrix is grey in colour fine grained and siliceous.			
3·0	270				
3·1					
	275				

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DIAMOND DRILL LOG

Hole No QK 100 Page No 12

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.1		DP/PBS above.							Pyrite 3% - 5% as above
3.1		Lithic fragments occassionally are grey in colour, porphyritic dacite. The pale green colouration may represent weak sericite alteration with low - pyritisation.							
	280							280.5	2 cm Pyrite 20%, Sph 5% Gn 3% as stringer vein.
3.1		The unit thus appears to be a weakly altered POP.							
3.0	285								
3.0									
	290							289.5	Pyrite 5%, Sphalerite 1% - 2%, Galena 1% as disseminations and aggregates. (Generally stringer vein)
3.0									
3.0	295								
3.0								294.2	Pyrite 3% as disseminations and aggregates.
3.0	300								

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DIAMOND DRILL LOG

Hole No DR 180 Page No 13

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		DP as above /PDP.			Pyrite 3% as above
3.0	302.5	Sheared Contact D Buff-grey carbonated dacite. Fine grained dacite - small feldspar phenocrysts to 1mm replaced by sericite. This unit may be a dyke	BROKEN CORE	302.5	Pyrite <1%
3.0	305				
	307.5	PDP Grey green carbonated locally sericitised lithic tuff agglomerate Similar to the rock above 302.5m. Lithic fragments are pale green to buff coloured - porphyritic dacite, and grey coloured - porphyritic dacite the varities of colour appear to reflect different reactions to alteration resulting from differences in groundmass composition. Crude bedding or fragment alignment at 50° C.A.		307.5	Pyrite 3% locally 5% as disseminations and aggregates.
3.0	310				
2.3	315				
	316.5	DP/PDP. Green-buff carbonated locally sericitised lithic tuff agglomerate Similar to the rock above. This unit has less matrix - and may represent a trend towards - Massive - porphyritic lava. Fragments are porphyritic in feldspar - now replaced by sericite. They are pale green to buff in colour		316.5	Pyrite 3% as above.
3.1	320				
3.1	325				

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DIAMOND DRILL LOG

Hole No QR100 Page No 14

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
		DP/ as above PDP The matrix, when noted is light grey and siliceous.			Pyrite 3% as above.
3.1	327	D Grey green locally breccia carbonated sericitic feldspar porphyry Dacite.			
3.0	330	This rock is generally fine grained dacite. Feldspar phenocrysts have been noted. The unit is probably a dyke.		328.5	Pyrite ~ 1%.
3.0	332.1			332.1	
		PDP Grey-pale green carbonated sericitic lithic tuff agglomerate locally silicified.	F C		Pyrite 3% - 5% as dissemination, aggregates and irregular veins.
3.0	335	Lithic fragments are irregular to sub-rounded in daitic - to 6cm. They consist of pale green to buff-grey, porphyritic dacite, locally sericitized and pyritized. The matrix is grey, pyritic and siliceous.	BROKEN CORE		
3.0	340				
3.0					
3.0	345		F F		
3.0	347.6	FAULT ZONE Sheared and broken core some fgy gouge.			
	349				
	349.2	PD Grey-pale green carbonated, locally sericitic, locally vesicular porphyritic Dacite (autobrecciated)		349.2	Pyrite 2% - 3% as disseminations,
	350				

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DIAMOND DRILL LOG

Hole No QR100 Page No 15

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		PD as above Grey feldspar porphyry lava or intrusive? Feldspar phenocrysts are replaced by sericite, aggregates to 3 mm have been noted. The rock is locally vesicular. The groundmass is fine grained quartz - feldspathic.			aggregates and irregular stringer veins.
3.0					
	355 355.1				
1.3		PDP Grey carbonated sericitic locally silicified lithic tuff agglomerate Lithic fragments are irregular in outline feldspar porphyry lava where pale green sericite replaces feldspar. The groundmass is fine grained quartz - feldspathic. The matrix is of similar composition and texture - of small percentage. It is probable that this unit is a brecciated porphyritic dacite.		358.4	Pyrite 5% locally 20% as disseminations, aggregates and irregular veins.
1.6					
2.0	360				
1.0					
3.0				363.5	Pyrite 3% as above.
	364.3				
	365	PD Grey-blue grey silicified sericitic feldspar porphyry Dacite Massive locally brecciated feldspar porphyry dacite. Similar to the rock above 355.1 m. - very minor chlorite alteration has been noted - the pale green colouration of the rock may represent the chlorite.			
3.0					
3.0	370				
3.0				371.5	Pyrite 5% locally 10% as disseminations aggregates and irregular veins.
3.0	375				

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DIAMOND DRILL LOG

Hole No QR100 Page No 16

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		PD as above						375.7	Pyrite 5% locally 10% as above.
									Pyrite 2% - 3% as disseminations, aggregates and irregular veins
3.0	378	quartz/carbonate/chlorite vein & contact.							
		ADP/AF							
		Grey green silicified carbonate locally chloritic lithic tuff agglomerate							
3.0	380	Lithic fragments are predominantly composed of siliceous "andesite" white carbonate replacing elongated vesicles, in a green chloritized groundmass.							
3.0		Other fragments are grey feldspar porphyry dacite.							
	385	The matrix is similar in composition and texture to the andesite although grey in colour due to pyritization.							
3.0		This rock is only weakly altered/pyritized in comparison to ADP units logged near mineralization.							
3.0	390	Grey lithic tuff agglomerate.							
		As above lithic fragments are generally grey in colour, less chlorite.							
	393.7	PD						393.7	Pyrite 3% as above.
		Grey tuff - carbonate, sericite feldspar porphyry Dacite (autobrecciated)							
3.0	395	Massive relatively fine grained feldspar - porphyry. Feldspar phenocrysts to 2 mm are replaced by green chlorite/sericite							
								397	1cm Sphalerite 3% stringer in carbonate vein.
3.0		The groundmass is silicified, fine grained							
	400								

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DIAMOND DRILL LOG

Hole No OR 100 Page No 17

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
3.0		PD as above Below 402.5 m the rock is weakly chloritoid.				Pyrite 3% as above.
3.0	405					
	406	PDP			406	Pyrite 3% - 5% as disseminations aggregates and irregular veins. Includes, 406.4 3cm vein 75%
0.4		Grey carbonated locally sericitic coarse lithic tuff Lithic fragments are subrounded, grey porphyritic dacite. The matrix is a feldspar crystal tuff - grey siliceous and pyritized Bedding 45° C.A.				
2.6	410					
	410.1	ADP/AP			410.1	
3.0		Grey green carbonated locally chloritic locally sericitic lithic tuff agglomerate.				Pyrite 3% as above. as disseminations and irregular veins.
3.0		This unit has the appearance of "typical" andesite (lava breccia). It has been grouped as ADP on the basis of a grey coloured matrix resulting from pyritization.				
3.0	415	Lithic fragments are irregular in outline up to 5cm. They consist of green chloritoid groundmass and white carbonate replaced feldspar phenocrysts and a vesicles.				
3.0	420	The matrix is of similar composition and texture as the fragments There is a general grey colouration resulting from pyritization.			421.2	Pyrite 3% - 5% as above.
3.0						
	425					

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DIAMOND DRILL LOG

Hole No OK-100 Page No 18

Feature : Bedding, Foliation, Fragment - size & shape (0%), Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%, Common 5 15%, Abundant 15 60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		ADP as above / AP.							Pyrite 3% - 5% as above
3.0	430								
3.0									
3.0	435	437 - 439 Broken Core - Minor fault.							
5.6	440								
3.1									
	445	ADP							
3.1		Sericite alteration is more conspicuous below 445 m.							
	450								

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DIAMOND DRILL LOG

Hole No QR100 Page No 19

Feature : Bedding, Foliation, Fragment - size & shape 0%, Shearing, Fault F, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
2.85		ADP as above.	F C						Pyrite 3% - 5% as above.
3.0									
3.0	455								
3.0			F F						
	459.4								
	460	Chlorite alteration zone.	F						
	460.7	Dark green chlorite replacement of andesite.							
	461.9								
3.0		Chlorite alteration zone.						461.9.	Pyrite 10% locally 30% as dissemination, aggregate and irregular veins. Barite 3% to 5% has been noted associated with pyrite stringer veins.
3.0	465	Dark green chlorite/pyrite replacement of andesite - possibly a fine tuff.							
		This chlorite zone may correlate with the "R" lava fraction.							
3.0									
	470							470.	Pyrite 5% - 10% locally 20% as above.
3.0		ADP as above							
		Green carbonated and chloritised lithic tuff agglomerate. Similar to the andesite above 459.4m. Fragments still rich in chlorite. Pyrite stringer veins are common.						473.8.	Pyrite 10% locally 20% as above.
3.0	475								

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DIAMOND DRILL LOG

Hole No 6-R100 Page No 20

Feature : Bedding, Foliation, Fragment - size & shape 0%, Shearing, Fault F, Vein c carbonate q quartz

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		ADP as above Lithic fragment outlines are generally obscured by pyrite veining. The matrix is grey due to pyritization			Pyrite 10% locally 20% as above.
3.0	479.5 480	D grey-buff carbonated vesicular dacite. Carbonate amygdules replaced vesicles. Rare grained. DYKE?		479.5	Pyrite <1%
	481.2			481.2	
3.0		ADP green carbonated locally chloritic lithic tuff agglomerate Lithic fragments consist of green-chloritized andesite and grey-green porphyritic dacite. The matrix is grey and siliceous. Lithic fragments are often obscured by pyrite veining.			Pyrite 10% - 15% locally 40% as disseminated, aggregates and irregular veins.
3.0	485				
3.0	490				
3.0	491.5	FD Buff Green carbonated locally chloritoid feldspar porphyry lava (autobrecciated) Feldspar phenocrysts are replaced by chlorite-sericite, aggregates to 3mm have been noted. Pyrite often replaces the sericite aggregates. The groundmass is fine grained - grey-green in colour quartzo-feldspathic.		491.5	Pyrite 5% locally 20% as above. Pyrite stringer veins are common.
3.0	495			495	Trace Cpy in C vein.
3.0	500				

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DIAMOND DRILL LOG

Hole No QL 100 Page No 21

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	DEPTH m	MINERALIZATION
3.0		PD as above.			Pyrite 5% locally 20% as above.
3.0		502.3 – 510.0 m Pyrite/Cpy mineralization appears to correlate with S. lens position		502.3	Pyrite 30% as stringer vein.
				503.4	Pyrite 10% as aggregates and irregular veins.
	505			505.5	Pyrite 60% Tr Cpy. Stringer veins.
3.0				506.71	Py 60% Cpy 3% Tr Sph Ga.
				507.07	
				507.5	20 cm Py 60% rare Cpy. Pyrite 3% as above.
				508.5	20 cm Py 60% Cpy 1% Tr Ba.
				509.0	15 cm Py 60% rare Cpy, Ba
3.0	510			510.0	40 cm Py 60% rare Cpy.
3.0				512.0	5 cm Py 60%
				513.5	5 cm Py 60%
3.0	515			514.9	Pyrite 10% as irreg veins.
				516.0	Pyrite 5% as dissemination aggregates and irregular veins.
3.0	516.5	ADP Minor Fragmental zone.			
	517.8			517.8	
		Green-buff - carbonated locally chloritized feldspar porphyry dacite. Locally vesicular Similar to the rock above 516.5 m.			Pyrite 10% locally 30% Trace Sphalerite, Galena and Barite as disseminations, aggregates and irregular veins.
3.0	520			523.0	Pyrite 5% as dissemination aggregates and irregular veins.
3.0			C C		
3.0	525				

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DIAMOND DRILL LOG

Hole NO QR100 Page N° 22

Feature : Bedding, Foliation, Fragment - size & shape, Shearing, Fault, Vein (c carbonate, q quartz)

Mineralization : Trace 1 - 5%; Common 5 15%; Abundant 15 60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
3.0	530	PD as above.	BROKEN CORE		525.9	Pyrite 5% as above.
					526.5	10 cm Pyrite 60%
					529.5	5 cm Pyrite 30%
3.0		530.5 – 538.0. The rock is vesicular, carbonate filled amygdales are common to 5 mm. This unit may be andesite.			531.0	5 cm Pyrite 50%
3.0	535				534.0	Pyrite 1 5% locally 60% as stringer veins.
3.0					536.8	Pyrite 60% to Cpy as stringer veins.
					537.5	
3.0	540					Pyrite 2% - 3% locally 15% as disseminations aggregates and stringer veins.
3.0					543.0	10 cm Pyrite 40%
					544.0	2 cm Pyrite 15%
3.0	545					
3.0						
3.0	550					

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DIAMOND DRILL LOG

Hole N° DDH100 Page N° 23

Feature : Bedding, Foliation, Fragment - size & shape (0%), Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	550.5	P.D. as above E. O. H.							Pyrite 2%-3% as above