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DRILL HOLE RECORD

Location QUE RIVER | Property ML 2M/75 | District TASMANIA Australia | Bearing (M) 97°04' | Hole No QR96

Commenced 16·7·76 | Completed 11·8·76 | % Recovery 98·0 | Grid bearing (M) 8°45' | Date 24·8·76

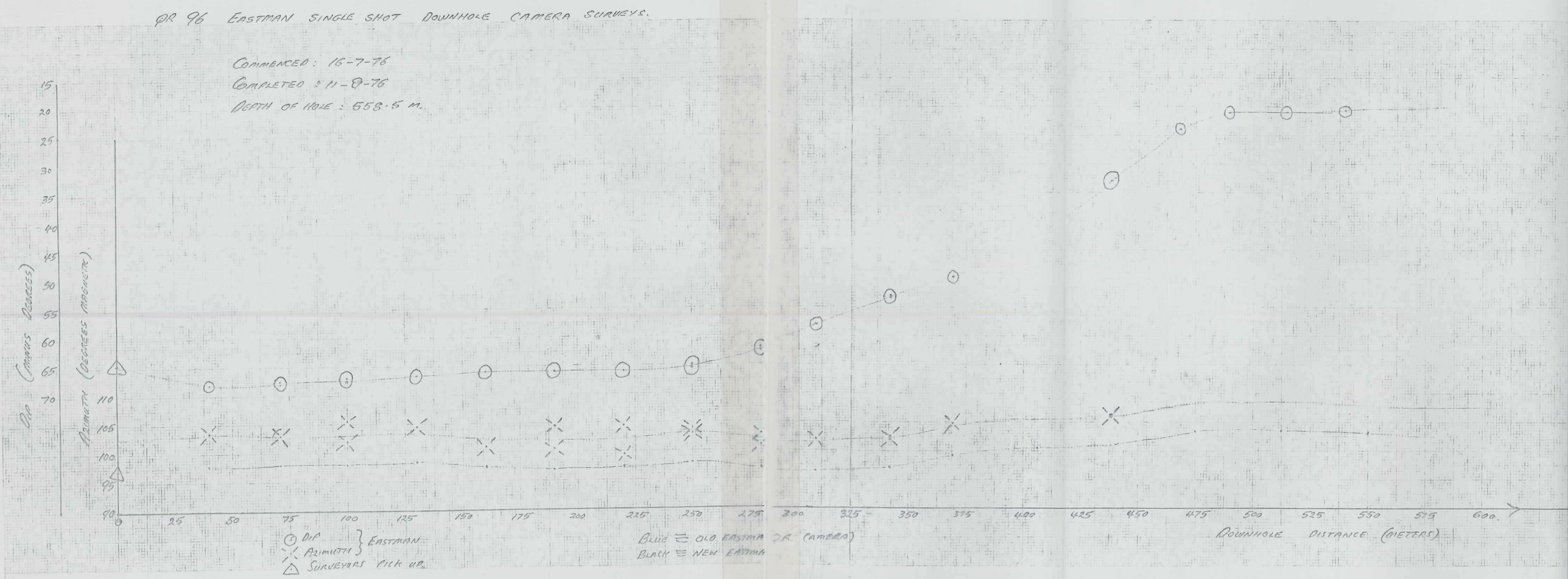
Objective To test N, P and Q lenses | Core size NQ to 240·0 BQ to 552·5 m EOH. | Logged C.H. Young

7250N 350 RL. | Co-ordinates 7248·3N 4841·4E | Dip 64°30' | Alt./R.L. 697·2

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	64°	097	THEODOLITE BRUNTON	0	64·5	097·0	7248·3	4841·4	697·2	
0	64·5	097	SURVEYORS	25	67	097·5	7248·6	4851·7	674·4	
40	68·0	103·5	NEW EASTMAN	50	68	095·0	7249·0	4861·2	651·3	
71	67·5	103	" "	75	67·75	98·0	7249·4	4870·6	628·2	
71	68·0	103	OLD EASTMAN	100	67·5	98·0	7249·5	4880·1	605·0	
100	67·0	105·5	NEW EASTMAN	125	67·5	98·0	7249·6	4889·9	582·0	
100	67·5	102	OLD "	150	66·25	97·5	7249·7	4899·8	559·1	
130	66·5	104·5	NEW "	175	66·0	97·5	7249·9	4909·9	536·2	
160	66·0	101	OLD "	200	66·0	97·0	7250·2	4920·1	513·4	
160	66·0	N/R	NEW "	225	66·0	97·5	7250·5	4930·3	490·5	
190	66·0	100·5	OLD "	250	65·5	98·0	7250·6	4940·5	467·8	Altered pyritic pyroclastics were intersected at 490·75m
190	66·0	104·5	NEW "	275	62·25	97·0	7250·9	4951·5	445·3	
220	66·0	99·5	OLD "	300	59·5	96·5	7251·3	4963·7	423·5	
220	66·0	104·5	NEW "	325	55·75	97·0	7251·8	4977·1	402·4	Very minor aggregates of base metal sulphides were noted below 544·9m.
250	65·0	104·0	OLD "	350	52·0	97·5	7252·1	4991·8	382·2	
250	64·5	103·0	NEW "	375	48·75	99·5	7252·2	5007·7	362·9	
280	62·5	101·5	OLD "	400	43·75	100·5	7251·8	5025·0	344·9	
280	62·0	103·0	NEW "	425	37·5	100·5	7251·2	5043·9	328·7	
310	58·0	102·0	NEW "	450	29·5	101·5	7250·4	5064·7	314·9	Note OLD EASTMAN is the Que River camera.
342	53·25	102·5	OLD "	475	23·0	103·5	7248·9	5087·0	303·8	
342	53·0	102·0	NEW "	500	21·0	103·5	7247·0	5110·1	294·5	
369	49·75	104·75	OLD "	525	21·0	103·5	7245·1	5133·4	285·5	
438	33·0	106·0	OLD "	550	20·5	103·0	7243·3	5156·7	276·7	
438	33·0	106·5	NEW "	558·5	20·25	103·0	7242·7	5164·7	273·7	
468	24·0	N/R	OLD "							
489	21·0	N/R	OLD "							
514	21·0	N/R	OLD "							

QR 96 EASTMAN SINGLE SHOT DOWNHOLE CAMERA SURVEYS.

COMMENCED: 16-7-76
COMPLETED: 11-8-76
DEPTH OF HOLE: 558.5 m.



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DIAMOND DRILL LOG

Hole N° QR 96 Page N° 1

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
	5								
	10								
	15	NO CORE							
	20								

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DIAMOND DRILL LOG

Hole No ØR 96 Page No 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
	30	NO CORE						
	34.5							
1.3	35	AP Orange - brown (Ferruginous) Deeply weathered, partly bleached, Carbonated locally chloritic feldspar crystal lithic tuff agglomerate.	BROKEN CORE					Pyrite 2 1% as disseminations and aggregates.
1.1								
1.0								
1.0	40							
1.4								
1.0		43.0 - 49.0 Partly weathered "kernel" illustrates fragments rock - bounded up to 5 cm of feldspar crystal lava in a matrix of similar composition and texture.	BROKEN CORE					
0.8	45		CORE LOSS					
1.5								
1.7		49.0 - 50.1 Broken ground with quartz veins.						
	50							

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DIAMOND DRILL LOG

Hole No DR96 Page No 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
1.1		AP as above	BROKEN CORE						Pyrite < 1% as above.
0.6									
1.1	52.8								
1.6	55	A.P. as above. Orange brown weathered feldspar porphyry lava breccia flow banding 30°; 40° C.A. 55.6m. the core is "leached" - solution cavities up to 3cm in length have	BROKEN CORE						
1.5		been noted							
1.3	57.1	AP as above. Green (still weathered) and ferruginous, feldspar crystal lithic tuff agglomerate	BROKEN CORE						
1.6									
1.5	60	Below 60.8. The core is generally fresh, locally leached cavities down to 69m have been noted.							
1.5		Grey-green. locally pink carbonated locally chloritic feldspar crystal lithic tuff agglomerate or lava breccia?							
1.5									
1.5	65								
1.5		Fragments are irregular in outline up to 15cm. Composed of feldspar crystal-porphyry lava - of similar composition and texture as the groundmass.							
1.5									
1.5	70								
1.5									
1.6									
1.5	75								

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DIAMOND DRILL LOG

Hole NO OR96 Page NO 4

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%

HQ
NQ

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG (TRACE / COMMON / ABUNDANT / MASSIVE)	DEPTH m	MINERALIZATION
1.4		AP as above Feldspar crystal lithic tuff agglomerate.	BROKEN CORE		Pyrite < 1% as above
3.0					
3.0	80	79.5m locally leached near fractures. The rock is locally altered pink, particularly the carbonate aggregate. This may be albite alteration of feldspars.			
3.0					
3.0	85	85.3 - 86.8 Partly weathered near fracture zone.			
3.0					
3.0	90				
3.0					
3.0	95				
3.0					
3.0	100				

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DIAMOND DRILL LOG

Hole No DR 96 Page No 5

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 Feldspar crystal lithic tuff agglomerate.	BROKEN CORE						Pyrite <1% as above
2.3	105	Massive green tuff-agglomerate Characterized by white aggregates of carbonate after feldspar.							
1.2									
2.5									
3.0	110	Fractures 20°, 30°, 60° to core axis.							
3.0									
3.0	115								
3.0									
3.0	120								
3.0									
	125								

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DIAMOND DRILL LOG

Hole No QR96 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		A.P. as above.							Pyrite <1% as above
1.2		Green carbonated locally chloritoid feldspar crystal lithic tuff agglomerate.							
1.8	130								
3.0									
3.0	135								
3.0									
3.0	140								
3.0									
3.0	145								
3.0									
3.0	150								

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DIAMOND DRILL LOG

Hole No DR96 Page No 7

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
		AP as above							Pyrite < 1% as above
3.0									
3.0	155	Below 155 m fractures parallel to core axis have been noted - lined with hematite? — Feldspar is represented by aggregates of carbonate / pink albite?							
3.0	160								
3.0									
3.0	165								
2.9									
3.1	170								
	172.0								
1.0		Carbonate alteration zone. The rock is altered buff or colour. Similar to DT2. Minor carbonate veins are common (closed iron staining about fault)							
2.0	175								

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DIAMOND DRILL LOG

Hole No PR96 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
2.8		The rock appears similar to the AP above however fragments are not clearly outlined; possibly a lava breccia.			Pyrite <1% as above
2.8	180	Beefy locally green carbonated feldspar crystal lava breccia. A rather mixed-disrupted zone - probably due to faulting and carbonate alteration			
2.0					
1.5		Below 183 m the rock is lava breccia Very numerous carbonate filled fractures have been noted.			
	185				
3.1		Feldspar crystals are often replaced by pink coloured carbonate or albite.			
2.9		Fragments up to 3 cm are not common.			
	190				
3.0					
0.8		Below 194.5 the rock is generally buff in colour due to carbonate alteration about the fault zones.			
	195				
2.0					
1.1					
	197.7				
0.4		Fault zone Core loss including very broken core			
	198.2				
0.7					
	200				

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DIAMOND DRILL LOG

Hole No QR 96 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	DEPTH m	MINERALIZATION
1.6		AP as above.	BROKEN CORE		Pyrite < 1% as above
1.2					
0.4					
1.0					
1.0	205				
1.0					
2.0	206.5	Fault Zone Pug. sheared and broken core, some breccia. 40° to C.A.			
	208.3	FAULT CONTACT			
2.9	210	DTL Brown - carbonated vesicular lava. Carbonate aggregates up to 5mm long - elongated 10°-20° to Core axis. Smaller aggregates of carbonate and chlorite are thought to be replaced feldspar. The groundmass is fine grained quartzo - feldspathic			
3.0					
3.0	215	Minor carbonate veinlets are very common.			
3.0			C C C		
	220	This unit appears to be brecciated over 30cm at the contact. This may be a flow top breccia. CONTACT 30° C.A.			
3.0	221.8	AP Green carbonated locally chlorite feldspar crystal lithic tuff agglomerate. Lithic fragments are irregular up to 6cm. Consisting of	C		
	225				

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DIAMOND DRILL LOG

Hole No QR96 Page No 10

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
		Feldspar crystal tuff or lava. Pink aggregates of carbonate - or albite replace feldspar in both fragments and matrix							Pyrite < 1% as above.
3.0									
2.0	230								
	231.6	CONTACT 45° to C.A.							
DT		Green - buff carbonated locally chloritic vesicular lava. Vesicles to 6mm in length are elongated at approx 30° C.A. Now filled with carbonate. Smaller aggregates of carbonate and occasionally chlorite are thought to represent feldspar. The groundmass is fine grained quartz - feldspathic Minor carbonate veinlets are common.							
3.0									
	235								
3.1									
2.3			BROKEN CORE						
NQ	240								
BQ 1.3									
3.0									
	245								
3.1		Below 247.0m vesicles are not common. The rock is locally altered pink in colour, apparently due to carbonate enrichment							
3.0									
	250								

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DIAMOND DRILL LOG

Hole No QR96 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		Green - buff feldspar porphyry lava as above. Typically OTL. Feldspar phenocrysts are commonly replaced by carbonate or sericite. Minor carbonate veinlets to 5mm are common.							Pyrite < 1% as above.
3.0	255		q						
3.0									
3.0	260								
3.0		264.0 m. Fault sub-parallel to core axis, locally chloritic.	F C						
2.7	265								
3.1		267.1 – 281.2. The rock is buff-brown in colour due to carbonate alteration.	E						
	270		E						
		272.6. Chlorite associated with carbonate - quartz vein.	q C						
			C						
	275								

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DIAMOND DRILL LOG

Hole N° QR96 Page N° 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	DEPTH m	MINERALIZATION
3.0		DTL as above			Pyrite <1% as above
3.0	280				
3.0		Below 281.2 The rock is green buff carbonated locally chloritic feldspar porphyry lava. Feldspar phenocrysts are commonly replaced by pale green sericite - chlorite. The groundmass is fine grained - buff in colour quartzo - feldspathic.	BROKEN CORE		
1.0	285				
1.7					
3.0		This rock is similar to the end of QR 5. Minor carbonate veinlets are common.	BROKEN CORE		
3.0	290				
		292.0m Flow banding on a scale of 0.5 - 1.0 cm at 70° C.A.			
3.0	295				
3.0					
	300				

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DIAMOND DRILL LOG

Hole No QR96 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.0		DTL green - buff feldspar porphyry lava as above							Pyrite <1% as above.
3.0		303.5. 15cm carbonate cemented breccia.							
3.0	305								
	307.35								
3.0		AP > DTL green locally buff carbonated and chloritized feldspar crystal lithic tuff agglomerate. Similar to the DTL above Designated AP due to general green colouration, fragmental and similarity to other AP. Lithic fragments are irregular in outline up to 5cm commonly chloritized feldspar crystal tuff or porphyry lava. The matrix or groundmass is fine grained feldspar crystal tuff or lava. This unit may be a lava breccia.							
3.0	310								
3.0									
3.0	315								
2.5									
	320	Foliation 55° C.A.							
4.9		The rock is locally buff in colour due to increased carbonate alteration.							
1.2	325								

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DIAMOND DRILL LOG

Hole N° QR96 Page N° 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
4.6	330	AP > 10% as above Below 325.5m - feldspar is commonly replaced by carbonate - pink in colour, is probably albite							Pyrite < 1% as above
4.9		333m Carbonate vein at 50° to C.A The surrounding rock for 15 cm is red-brown in colour probably due to hematite.							
4.1	335								
4.9	340	Below 341.0m Pink coloration of feldspar pseudomorphs is no longer common. White aggregates of carbonate to 3mm are very common - replacing feldspar.							
3.5	345	Subrounded fragments of buff coloured feldspar porphyry less to 3cm have been noted							Chlorite associated with carbonate vein.
4.9	350								

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DIAMOND DRILL LOG

Hole No QR96 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	351	AP > DTL as above							Pyrite < 1% as above
2.0		Green-buff locally carbonated and sericitized feldspar porphyry lava breccia							
	355	Fragments to 6 cm are present although generally < 3 cm. They consist of feldspar porphyry lava with white carbonate aggregates to 3 mm replacing feldspar.							
4.9		The groundmass is a feldspar porphyry of similar composition and texture as the fragments							
	360	The rock is locally buff in colour similar in appearance to DTL. (Due to increased carbonate alteration)						360.1	Chlorite with quartz carbonate vein
3.6									
4.9	365								
								368.3	Chlorite with quartz vein.
5.0	370								
		374.0 m Carbonate cemented breccia							
4.9	375								

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DIAMOND DRILL LOG

Hole No QA96 Page No 16

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
	375.2	AP as above			Pyrite <1% as above
		Green carbonated locally sericitized feldspar porphyry tuff-lava/ lava breccia. Designated tuff-lava as fragments are smaller than above, <3 cm. Occasionally to 6 cm.			
4.1	380	380.0 m. Banding 45° CA.			
		376.0 and 381.0 fractures sub-parallel to core axis.			
1.6		Minor carbonate veinlets to 2 mm are common.			
		Feldspar is commonly replaced by green chlorite.			
4.6	385				
2.0					
4.1	390				
	393.7	Tuff- green sericitic lava breccia as above	C		
		394.0. 15 cm quartz carbonate vein with epidote and hematite.	C		
	395				
4.9		394.4 20 cm quartz carbonate vein with minor epidote	C		
		397 m. 20 cm quartz carbonate vein with pale green epidote.	C		
	400				

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DIAMOND DRILL LOG

Hole No QR96 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
4.0		AP as above.							Pyrite < 1% as above.
4.9	405								
		409 - 410.8. Ib rock is altered grey-buff in colour.							
5.0	410	410.4 m. Epidote with carbonate veinlets.							
4.0	415	Below 416 m Carbonate veins to 2cm are common.							
4.0	420								
4.5									
	425								

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DIAMOND DRILL LOG

Hole No DR46 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		A.P. as above							Pyrite < 1% as above.
5.0	427.9							427.9	
		OTL. Grey-green carbonated locally chloritic feldspar crystal tuff-lava. Feldspar crystals to 3 mm occasionally euhedral in outline are replaced by pale green sericite. The groundmass is fine grained quartz-feldspathic. Disseminated pyrite has imparted a light grey colouration to the rock. 434.8 Epidote with carb vein.							Pyrite 1%-2% as disseminations and irregular veins.
5.0	430								
	435								
	436	CONTACT 55° C.A.						436	
5.0		AP Green locally grey carbonated, chloritized feldspar crystal lithic tuff agglomerate. Lithic fragments up to 5 cm in dia are irregular to subrounded in outline. Typically feldspar porphyry lava, white carbonate aggregates to 3 mm are considered to replace feldspar. The matrix of fragments is green and chloritic. Occasional subrounded fragments of buff coloured OTL and disrupted grey silica (chert?) have been noted. The matrix is fine grained fragmental - weakly pyritic. Crude bedding 442 m at 60° C.A.							Pyrite 1% as disseminations of fine subhedral to euhedral crystals.
4.0	440							441.2	5 cm Pyrite 60% Sphalerite 5% vein. 45° to C.A.
5.0	445								
	450								

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DIAMOND DRILL LOG

Hole N° QR 96 Page N° 19

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
4.0		A.P. as above.							Pyrite 1% as above.
		452.0 m Quartz vein with epidote and chlorite.							
4.9	455								
4.4	460								
3.0									
	465	465.8. Minor tuff/bleach 60° CA.						465.8.	5 cm Pyrite 20%
4.8		466.7. Carbonate cemented breccia.							
	470	Below 470 m the rock is locally sericitized - pale green in colour.							
5.0									
	475								

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DIAMOND DRILL LOG

Hole No QR96 Page No 20

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	DEPTH m	MINERALIZATION
		AP or above Below 476 m sericite alteration is not common.		476.6	Pyrite 1% or above. 3cm Pyrite 10%
5.0	478.1	Below 478.1 the rock is fine in texture. Green carbonated locally chloritic coarse lithic tuff. Similar to above.			
4.6	480				
4.4	485		BROKEN CORE		
1.1	490				
2.8	490.75	$P_1 P_1$ Grey carbonated locally sericitized feldspar crystal lithic tuff or lava. Feldspar crystals to 3 mm, often carbonated in outline or replaced by pale green sericite.		490.95	Pyrite 2%-3% as disseminations and irregular veins.
3.6	495	The matrix of fragments and the rock as a whole is buff-grey in colour. Fine grained quartz-feldspathic. V. minor green illite hydromuscovite has been noted.	BROKEN CORE		
	499.5	Below 499.5 m the rock appears to be			
	500				

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DIAMOND DRILL LOG

Hole No QR96 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		a lava breccia. Feldspar crystals (phenocrysts) are common - replaced by green sericite. Similar OTL groups.			Pyrite 2%-3% as above.
3.0					
	505				
3.0		Grey carbonated locally sericitized fine grained feldspar porphyry lava. Similar to above 505 m. Minor fractures - are carbonate filled - locally pyritic.			Pyrite 1%-2% as dissemination and irregular veins - fracture filling
3.0	510				
3.0					
	514.3			514.3	Pyrite 2%-3% as dissemination and irregular veins.
	515	Buff-grey carb- locally sericitized feldspar crystal lithic tuff / tuff agglomerate. Similar to above 505 m. This rock may be a lava breccia. Feldspar is represented by aggregates of pale green sericite to 3 mm. The groundmass is fine grained quartz-feldspathic.	BROKEN CORE		
3.0					
	520				
2.4					
		523.4 Foliation or bedding? 60 to C.A.			
3.0					
	525				

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DIAMOND DRILL LOG

Hole No QR96 Page No 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
		Py Pi as above.							Pyrite 2% - 3% as above.
3.1		Locally grey-green in colour due to pyrite - sericite alteration.							
3.1	530								
3.1									
	535								
3.0	535.4	Grey - Dark green Carbonated Sericitized, locally chloritized lithic tuff agglomerate						535.4	Pyrite 3% as above locally 5% as small irregular veins.
3.1	540	Lithic fragments to 5cm are irregular in outline - generally chloritized tones dark green in colour. They appear to consist of feldspar porphyry lava, feldspar is replaced with carbonate and sericite. Occasional fragments of grey chert and tuff OTL have been noted.							
3.0									
	545							544.9	
3.0		The rock is conspicuous due to carbonate alteration, irregular veins and aggregates to 5mm are common.	BROKEN CORE						Pyrite 5% locally 10% as disseminations, aggregates and irregular veinlets. Rare Sph, Gn
3.0		The matrix is grey in colour fine grained and siliceous.							
	550								

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DIAMOND DRILL LOG

Hole No QR96 Page No 23

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		Carbonated, Sericitized and Chloritized lithic tuff agglomerate as above.							Pyrite 3% locally 10% as above.
1.8	554.7								
	555	Fault zone. Pug. 80% sheared and broken core.							
	555.5								
3.0		Below 555.9m. Ish rock is grey carbonated feldspar crystal lithic tuff. Feldspar crystals represented by aggregate of grey-green sericite to 3mm.	BROKEN CORE					555.9m	Pyrite 3% as above. Trace Sph, Gn as disseminations, aggregates and irregular veins to 3mm.
	558.5	E.O.H.							
	560								
	565								