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DRILL HOLE RECORD

Location Que River | Property ML 3M/75 | District Tasmania Australia | Bearing (M) 100° 14' | Hole No QR 94

Commenced 30·5·76 | Completed 25·6·76 | % Recovery 98 | Grid bearing (M) 8° 45' | Date 30·6·76

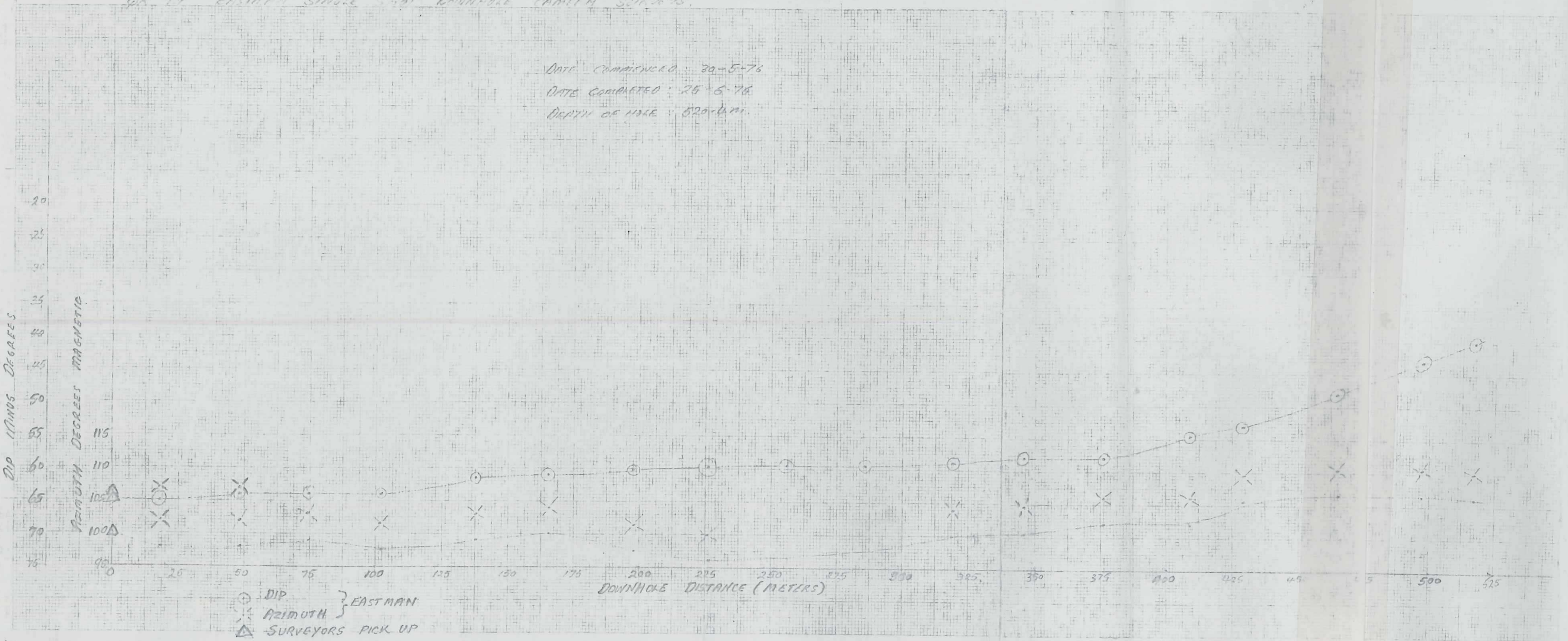
Objective To test P.Q System 7400N, 400RL above the lower intersected mineralization in QR46 | Core size NQ to 310.0 m BQ to 520.4 m E.O.H. | Co-ordinates 7409.1N 4921.0E | Dip 63° 53' | Logged P.H Young | Alt./R.L. 692.7m

SURVEY DATA			
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE
0	63·5	97	THEODOLITE AND ORIENTOR
0	63° 53'	100° 14'	SURVEYORS PICK UP
18	65	102	EASTMAN
43	64	102	SINGLE
74	64	103	SHOT CAMERA
102	64	101·5	"
133	61·5	103	"
166	61	104	"
197	60	101·5	"
226	59·75	100	"
256	59·5	—	NEW CAMERA
286	59·5	—	"
319	59	104	"
346	58	104·5	"
376	57	106	"
407	54·5	106	"
429	53	109·5	"
465	48	110·5	"
497	43	110·5	"
517	40	110	"

GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	63·9	100·0	7409·13	4921·03	692·69	
25	65·0	98·0	7409·08	4931·81	670·14	
50	64·0	98·0	7409·22	4942·57	647·57	
75	64·0	99·0	7409·27	4953·53	625·10	
100	64·0	98·0	7409·31	4964·49	602·63	
125	63·0	97·5	7409·51	4975·64	580·26	
150	61·5	99·5	7409·56	4987·25	558·14	
175	61·0	99·5	7409·40	4999·30	536·22	
200	60·0	97·5	7409·46	5011·61	514·46	208·9 – 220·9m Pyritic pyroclastics (PyP1) Possibly N lens position.
225	60·0	96·0	7409·89	5024·10	492·81	
250	57·5	96·5	7410·44	5036·68	471·21	
275	59·5	97·5	7410·83	5049·36	449·67	
300	59·5	98·5	7410·99	5062·05	428·13	
325	59·0	100·0	7410·88	5074·83	406·65	
350	58·0	100·5	7410·54	5087·39	385·33	
375	58·0	102·0	7409·96	5101·12	364·13	
400	55·5	102·0	7409·18	5114·80	343·23	
425	53·5	104·5	7408·04	5129·27	322·88	
450	50·5	106·0	7406·29	5144·56	303·19	452·6 – 501·2m Very minor base metal stringers.
475	46·5	106·5	7404·13	5160·77	284·47	
500	42·5	106·5	7401·72	5178·63	266·96	
520·4	39·5	106·0	7399·72	5193·89	253·58	

QB 94 EASTMAN SINGLE SHOT DOWNHOLE CAMERA SURVEYS.

DATE COMMENCED : 20-5-76
DATE COMPLETED : 26-5-76
DEPTH OF HOLE : 520.0 mt.



NOTE 4° DECLINATION FROM EASTMAN CAMERA SURVEYS — BOTH CAMERAS

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DIAMOND DRILL LOG

Hole No QR 94 Page No 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	NO CORE							
	10								
	12.0								
2.3	15	AP Partly weathered, ironstained down to 17 m. Green-grey carbonatized weakly chloritized feldspar, hornblende crystal (porphyry) lava/lava breccia. Fragments are poorly defined angular-subangular from about 1mm to 10 cm. The fragments contain phenocrysts altered to white carbonate and occasionally chlorite, these are considered to represent feldspar and hornblende to 2 mm, respectively. The groundmass/matrix is virtually identical to the fragments hence the identification of this rock as a lava breccia. The rock is massive, although very broken due to jointing at various core angles.	BROKEN CORE						Pyrite <1% locally 5% in irregular veins.
0.2			BROKEN CORE						
0.7			BROKEN CORE						
1.5			BROKEN CORE						
0.2			BROKEN CORE						
0.9	20		BROKEN CORE						
2.0			BROKEN CORE						
0.3			BROKEN CORE						
0.2			BROKEN CORE						
0.6			BROKEN CORE						
	25								

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DIAMOND DRILL LOG

Hole N° QR 94 Page N° 2

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
0.5		AP as above	BROKEN CORE						Pyrite as above.
0.2									
1.1		Occasional veinlets of chlorite up to 1 cm wide have been noted							
0.2									
0.8									
0.7		Fractures/joints are commonly chlorite lined, containing on fractures is common down to 66.0 m.	BROKEN CORE F						
0.9	30								
0.6									
1.2			BROKEN CORE F						
0.5	35								
0.8									
1.4									
0.1									
0.5			BROKEN CORE F						
0.5									
0.5									
0.6	40								
0.5									
1.3			BROKEN CORE F						
0.9									
0.7									
0.6									
0.6	45		BROKEN CORE F						
0.2									
0.4									
0.5									
0.8									
0.2									
0.3									
0.2									
0.5									
0.6	50								

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DIAMOND DRILL LOG

Hole N° QR 94 Page N° 3

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
0.2		AP as above, less brecciated w feldspar, hornblende porphyry lava.							Pyrite < 1%
1.0									
0.3									
1.0									
0.5									
0.7									
0.6	55	55.2 - 57m. Fracturing, and weathered about fault.	BROKEN CORE F						
0.3									
0.2									
0.2									
1.0									
0.9									
1.2	60		BROKEN CORE F						
0.7									
0.2									
0.3									
0.3									
0.3									
0.2									
0.9									
0.8	65	The rock is well jointed, at 10°, 30°, 60° and 70° to C.A.	BROKEN CORE F						
0.5									
0.2									
0.3									
1.0									
0.3									
0.3									
0.6	70		BROKEN CORE F						
1.7									
0.9									
0.5									
0.3	74.00								
0.6	74.8	Fault zone. Broken and sheared core							
0.4	75								

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DIAMOND DRILL LOG

Hole N° DR 94 Page N° 4

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
0.8		AP. as above	BROKEN CORE						Pyrite < 1%
0.6		Green carbonated locally							
0.5		chloritized feldspar, hornblende							
1.1		lava breccia.							
0.4	79.1	Below 77m the rock is occasionally light green to buff in colour.							
N/C	80	Fault zone. Sheared and broken core. Note core loss between 79.1 and 82.7m.							
N/C									
0.5									
0.3	84.4								
0.6	85		BROKEN CORE						
0.3									
0.4									
0.4									
0.5									
0.4	88.7								
0.9	89.3	Fault zone. Sheared and broken core							
2.2	90		C						
3.0			C, C						
1.3	75								
0.3									
1.4									
1.1			BROKEN CORE						
0.8	100								

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DIAMOND DRILL LOG

Hole N° DR 94 Page N° 5

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
2.5		Below 100.5 m the rock is compact - unbroken. Joints at 5°, 40° 60° to C.A. Massive feldspar, hornblende porphyry lava - lava breccia. (Andesite). Actinolite carbonate locally welds fractures and zones of local brecciation.							Pyrite <1% as above.
3.0	105								
3.0									
3.0	110								
2.0									
	114.0	GRADATIONAL CONTACT							
3.0	115	DTL Green locally buff carbonated, weakly chloritized feldspar porphyry lava / lava breccia. The rock is similar to that above 114.0 m. and may be an altered (carbonate) andesite. Feldspar is generally replaced by pale green sericite - illite. Pseudomorphs of crystals to 3mm have been noted. The groundmass is fine grained quartz - feldspathic. The rock is locally brecciated, welded by secondary carbonate.							
3.1									
	120								
3.0									
3.0	125								

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DIAMOND DRILL LOG

Hole No DR94 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
		Green - buff DTL as above			Pyrite < 1% as above.
3.0		127.0 m Carbonate cemented breccia.			
1.5	130				
2.5					
3.0	135				
0.5		136.75 - 138.25 m Pink - buff in colour due to increased carbonate alteration.			
3.0		Below 138.6 m the rock is pink - buff in colour.			
	140	Minor chlorite on fracture planes.			
3.0					
1.2		Carbonate - sericite alteration appears to be increasing down hole.			
	144.1				
0.4		Fault zone. Pug. breccia and broken core. 25° to C.A.			
	145				
	145.2	FAULT CONTACT		145.2	Pyrite 1% as very fine discrete dissemenations
3.1		Grey - buff carbonated locally sericitized feldspar porphyry lava breccia. The rock is distinctly more brecciated than above 144.1 m - grey in colour due to increased sericite alteration. Minor carbonate veinlets are common.			
3.1	150				

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DIAMOND DRILL LOG

Hole No QA 94 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
		Grey-buff lava breccia as above.							Pyrite 1% as above.
3.0									
2.0	155								
3.0									
	159.1	Fault contact 40° C.A. to pink							
	160	heavily carbonated lava breccia.							
3.1									
0.8		162.5 Fault contact 65° C.A. to grey-buff lava breccia similar to above 159.1 m.							
2.8	165	Below 164 m Pink dacitic lava locally altered grey in colour about fractures.							
3.0								167	Pyrite 1% - 3% Secondary pyrite localized along fractures as veins and aggregates.
	170								
3.0									
0.4									
1.8	175								

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DIAMOND DRILL LOG

Hole No DR94 Page No 8

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
		Pink dacitic lava as above.							Pyrite 1% - 3% as above
1.8		177.6 - 183.5 m The rock appears to be brecciated lava breccia.							
3.1									
	180	180.7 - 181.7 fracture zone calc. filled							
	180.7	to core axis.							
1.0		Buff. grey locally brecciated carbonated weakly sericited feldspar porphyry lava.						182.2	Pyrite < 1% as aggregates and disseminations
3.0		Similar to above 180 m, not so obviously pink in colour.							
	185								
3.1									
3.1									
	190								
3.0									
	195								
3.0									
3.0									
	200								

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DIAMOND DRILL LOG

Hole No QR 94 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		DTL as above				Pyrite < 1% as above
3.0	205					
2.1	207.9	Minor chlorite alteration zone. The rock is altered dark green in colour. Possibly AP.				
3.0	208.9	Gradational Contact			208.9	
		PyPi > DTL. Below 208.9m the rock appears to be fragmental (possibly rewt) Grey - buff carbonated, locally sericitized lithic tuff agglomerate.				Pyrite 1% - 2% as disseminations and minor aggregates.
2.1	210					
2.2		Lithic fragments are irregular to subrounded in outline, up to 5cm Consisting of porphyritic dacite, sericitized tuff and recrystallized chert.				
	215					
0.9		The matrix is fine grained grey and siliceous.				
2.2		216.3 - 217.9. Green, weakly chloritized - similar AP in QR 39.				
2.3	220					
	220.9	GRADATIONAL CONTACT.			220.9	Pyrite < 1%.
2.4		DTL Grey - buff carbonated locally fragmental <u>feldspar porphyry lava breccia</u> or fragmental? Heavily carbonated down to 222m. Fragments up to 3cm are of similar composition and				
	225					

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DIAMOND DRILL LOG

Hole N° 84-94 Page N° 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	DEPTH m	MINERALIZATION
3.0		texture as the groundmass. Feldspar phenocrysts are subhedral to euhedral in outlines up to 3 mm, altered to carbonate and sericite. The groundmass is fine grained quartz-feldspathic			Pyrite <1% as above.
3.0					
3.0	230				
3.0					
3.05	235				
3.0	240				
3.0	242			242.0.	Pyrite 1-3% as disseminations and occasional aggregates.
3.0		Fgh > DTL. Grey-buff <u>lithic tuff agglomerate</u> (carbonated) Lithic fragments are irregular in outline feldspar porphyry dacite, pale buff to white in colour and weakly sheared (they appear "shredded" in outline) Size from 0.5 mm to 5 cm. The rock unit may be an ignimbrite.			
3.0	245				
3.0					
3.0	250	The matrix is grey in colour			

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DIAMOND DRILL LOG

Hole No OR 94 Page No 11

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		Fine grained and siliceous. The fragment alignment or shearing is at 10° - 30° to C.A.							Pyrite 1% - 3% as above.
3.0	255								
2.2									
3.1	260								
3.0									
2.9	265								
3.0									
3.0	270	Below 271.0 m the fragments become larger - up to 15 cm. The rock is an agglomerate. Fragments are typically buff coloured feldspar porphyry lava. Irregular or anticline.							
	275								

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DIAMOND DRILL LOG

Hole No DR 9H 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	DEPTH m	MINERALIZATION
3.0		PyA > DTL as above	BROKEN CORE		Pyrite 1% - 3% as above
2.3					
1.5	280				
	280.6	Fault zone Fug, breccia			
0.4		80% broken core.			
0.4	282	DTL > AP CONTACT WITHIN FAULT ZONE.		282.0	Pyrite < 1%
0.3		Chlorite on joints and fractures is characteristic of this unit.			
0.3					
0.4					
0.4	284	END FAULT ZONE			
1.1	285	Green weakly carbonated and chloritized lithic tuff agglomerate.			
1.0					
0.7		Lithic fragments are characterized by white carbonate aggregates after feldspar.			
1.0					
0.1	289				
0.2		Fault zone. Sheared and broken core			
0.5	289.8				
0.7		The groundmass or matrix appears to be of similar composition and			
0.3	291.2				
0.3	291.6	Fault zone. Sheared and broken core.			
		texture as the fragments.			
0.8	292.4			292.1	Pyrite 1% as disseminations.
0.7		DTL Gradational Contact.			
		Buff grey lithic tuff agglomerate			
2.4		(carbonated) This rock is			
	295	similar to the AP above and			
		may be a more altered version			
		of the AP group. Lithic fragments			
2.6		to 6 cm are porphyritic with feldspar.			
		Below 297.0 m the rock is commonly			
		porphyritic lava breccia.			
3.0		(carbonated)			
	300				

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DIAMOND DRILL LOG

Hole No QR94 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
		DTL as above			Pyrite 1% as above.
3.1		Grey - buff carbonated feldspar porphyry lava breccia.			
	305	Carbonate locally seals fractures in minor veins up to 4 mm.			
3.0					
3.0	310				
NQ / BQ					
3.0				312.0	Pyrite 3% as dissemination and aggregates.
				313.0	
0.5					
	315				
	315.4	ERADATIONAL CONTACT		315.4	
3.1		Green - buff feldspar crystal coarse lithic tuff - lithic tuff. Carbonated and chloritised.			Pyrite 2% - 3% as dissemination and aggregates of fine subhedral to euhedral crystals.
2.5		This unit is pale green in colour and may be an altered DTL or AP?			
	320	Fragments are often shredded in appearance with feldspar crystals up to 4 mm characteristically pale brown in colour (albitisation)			
3.1		Fragments up to 3 cm have been noted.			
		Green chlorite "clots" up to 3 mm are common - probably replacing feldspar.		322.9	Pyrite 1% as above
2.9	325				

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DIAMOND DRILL LOG

Hole N° DR 94 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
		OTL as above. Weakly chloritized, with occasional "shredded" fragments							Pyrite 1% as above.
3.1									
3.0	330								
1.9									
	333.6								
3.1	335	Green-grey feldspar porphyry lava - lava breccia (carbonated weakly chloritized) vesicular. Very similar to the rock above 333.6 m. The rock is considered to be a lava - it is fine grained porphyritic, white carbonate fills occasional vesicles. Feldspar is replaced by chlorite after carbonate giving the rock a green "spotted" appearance. The matrix is fine grained quartzo-feldspathic.							
1.1									
3.0	340								
3.0									
3.0	345								
3.0									
	350								

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DIAMOND DRILL LOG

Hole No QR 94 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
3.0		Green DTH as above.							Pyrite 1% as above.
3.0	354.8							354.8.	Pyrite 2% locally 5% as disseminations and irregular veins and aggregates.
	355	Green-grey feldspar porphyry lava breccia as above 354.8m. The rock is locally fragmental the matrix is often grey and pyritic.							
3.0	360							360.0	
3.0		Grey-green carbonated weakly chloritized feldspar porphyry lava as above 354.8m							Pyrite 1% as above
		Foliation 55° CA.							
3.0	365								
3.0									
3.0	370								
3.0									
	372.8	Green-grey feldspar crystal lithic tuff - agglomerate. Similar to above - This unit appears to be fragmental.							
	375								

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DIAMOND DRILL LOG

Hole No DR 94 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	DEPTH m	MINERALIZATION
3.0		Fragments are irregular in outline up to 6 cm. Composed of feldspar porphyry lava - similar to the matrix or groundmass.			Pyrite 1% or above.
2.6					
3.1	380	Feldspar is common, replaced by chlorite - sericite aggregates.		381	10 cm Pyrite 5%
0.7					
3.1	385				
2.1					
3.0	390				
3.1				394.0	Pyrite 2% 3% disseminations and aggregates
3.0	395			395.1	Pyrite 1% or above.
3.0	400			399.0	Pyrite 5% disseminations and stringers

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DIAMOND DRILL LOG

Hole No DR 94 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	DEPTH m	MINERALIZATION
		Green-grey carbonated weakly chloritic DTL as above. Weak foliation 30°-40° C.A.		400.8	Pyrite 5% as above. Pyrite 1% as dissemination and occasional aggregate
3.0					
3.0	405				
3.0		408.5 - 411.9. Tr rock is pale green in colour, feldspars are altered more commonly by carbonate		408.9	Pyrite 2% locally 5% as dissemenations and stringers (secondary)
3.0	410				
3.0	415			413.0	Pyrite 1% as above.
3.0					
3.1	420				
3.1					
	425				

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DIAMOND DRILL LOG

Hole No 94 Page No 18

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
		DTH as above.			Pyrite 1% as above.
3.1	426.8	Grey-green carbonated weakly chloritized locally vesicular lava breccia.			
0.85		Similar to the fragmental (lava breccia ?) above 426.8 m			
2.9	430	This rock is considered to be a lava on the basis of carbonate filled vesicles - elongated in the direction of foliation, up to 6 mm long.			
1.6		The rock is a general grey-green colour, chlorite - sericite reflecting of feldspar is not common.			
3.0	435	Breccia fragments are irregular in outline, generally < 5 cm. They consist of feldspar porphyry lava - feldspar commonly reflected by carbonate.			
2.0		The groundmass is of similar composition and texture.			
2.5	440				
0.9					
	442.5	GRADATIONAL CONTACT		442.5	Pyrite 3% - 5% as disseminations aggregates and irregular veins of fine euhedral to subhedral crystals.
3.1		PP1. Grey-buff carbonated, locally sericitized, feldspar porphyry lava breccia.			
	445	Feldspar - phenocrysts to 3 mm are represented by aggregates of pale green sericite often subhedral in outline. The groundmass is fine grained quartzo-feldspathic.			
1.0					
2.25		Irregular fractures are filled with carbonate and pyrite.			
0.6				449.3	Pyrite 3% - 5% as above trace secondary Sph, Ga in carbonate veinlets
	450				

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DIAMOND DRILL LOG

Hole No DR 74 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
			F						Py 3%-5% Tr Sph, Gn as above.
3.1	451.4	Blue-grey carbonated and sericitised feldspar crystal lithic tuff / tuff-agglomerate. Feldspar crystals are common throughout matrix and fragments, now replacated by aggregate of pale green sericite up to 4mm often enhedral in outline. Fragments from 5mm to 10 cm include feldspar porphyry lava occasionally buff in colour, and smaller < 3 cm completly sericitised trachyte? The matrix is grey and siliceous. There is a crude fragment alignment or foliation at 30°-40° CA.	C					452.6	Pyrite 5% Sph 1-2 Gn 1-2 as dissemination and aggregates associated with a 1 cm wide carbonate stringer subparallel to C.A.
3.1	455		C					454.0	Below 454.0 m Pyrite 3%-5% rare Sph, Gn.
3.1			C					458.8	10 cm Stringer Pyrite 20% Chalcopyrite 30%.
3.1	460		C					461.1	Stringer Pyrite 15% locally 60%. Chalcopyrite 1%-2%
3.1			C F					463.2	Pyrite 5% as disseminations, aggregates and irregular veins.
3.1	465		F					466.4	Stringer pyrite 10% Chalcopyrite 2%.
								466.3	Pyrite 5% locally 10% as above.
3.1	470		C					469.4	10 cm Pyrite 60% Cpy 3% as a vein of sub-hedral to enhedral crystals 0 3 mm. Below 469.4 m Pyrite 3% locally 5% as disseminations, aggregates and irregular veinlets of sub-hedral to enhedral crystals 0 3 mm.
3.1									
	475								

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DIAMOND DRILL LOG

Hole No QR 94 Page No 20

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
3.1		Py P. as above.			Pyrite 3% locally 5% as above.
3.1	479.3				
	480	Grey carbonated and sericitized feldspar crystal lithic tuff as above 479.3m.			
3.1					
2.9	485			485.4m. 15cm Pyrite 30% as disseminations and aggregates.	
		486.6 – 487.2m Carbonate vein. 486.6 – 491.7m Carbonate alteration zone. Numerous carbonate veins.			
3.1				488.8m. Pyrite 5% Chalcopyrite 2%-3% locally 20% as secondary aggregate associated with carbonate veining 491.7m	
1.7	490				
3.0					Pyrite 3% locally 5% as above.
3.1	495			494.6 495.4	Pyrite 30% as disseminations and aggregates in a weakly chloritic groundmass
					Pyrite 3% as above.
2.0		498.0m – 501.2m Carbonate alteration zone, numerous semi-massive to massive carbonate veins.		498.0m	Pyrite 5% Cpy 1% as disseminations and aggregates associated with carbonate veins.
	500				

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DIAMOND DRILL LOG

Hole N° QR 94 Page N° 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	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3.1		Carbonate alteration zone as above. Below 501.2m Grey carbonated locally sericitized coarse feldspar crystal lithic tuff.						501.2m	Pyrite 5% locally 1% as above. Pyrite 3% as disseminations and aggregates.
1.5	504.1	Sharp contact 25° C.A.						504.1	Pyrite <1% as discrete euhedral crystals
3.1	505	DTL Grey-green fine grained dacitic lava. Feldspar phenocrysts to 3mm. represented by aggregate of pale green sericite.							
3.1	508.4	PyPl Grey carbonated locally sericitized weakly chloritic lithic tuff. Fragments are irregular in outline, porphyritic dacite and weakly chloritized tuff up to 2cm. The groundmass is grey and siliceous						508.4	Pyrite 3% locally 5% as disseminations, aggregates and irregular veins.
3.1	510								
	510.9m								
3.1		Grey-green carbonated weakly sericitized and chloritized lithic tuff agglomerate. Similar to above 510.9m.							
3.1	515	Fragments are irregular in outline from 0.5mm to 6cm. Carbonate alteration is conspicuous aggregates to 5mm are common.							
3.2									
	520								
	520.4m	E.O.H.							