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DRILL HOLE RECORD

Location Que River **Property** Mineral Lease 2M/75 **District** Tasmania, Australia. **Bearing (M)** Vertical **Hole No** QR 108

Commenced 20.11.1976 **Completed** 6.12.1976 **% Recovery** 99.5% **Grid bearing (M)** 8.75° **Date** 8.12.1976

Objective To test ground conditions and predict grouting requirements ahead of proposed shaft. **Core size** HQ to 321.5 m **Logged** C.H. YOUNG

Co-ordinates 7501.71 N 5249.745 E **Dip** 90° **Alt./R.L.** 698.065

SURVEY DATA			
DEPTH	DIP	BEARING (M)	INSTRUMENT TYPE
10.5	0.5	160	Eastman
25.5	0.5	075	Single Shot
40.5	0.5	0	Camera
55.5	0	0	"
70.5	0.5	130	"
85.5	0.25	095	"
100.5	0.25	080	"
115.5	0.5	115	"
130.5	0.5	180	"
145.5	1.0	200	"
160.5	1.0	205	"
175.5	1.0	145	"
190.5	1.0	150	"
205.5	2.0	155	"
220.5	2.25	140	"
235.5	2.75	145	"
250.5	2.25	125	"
265.5	2.75	140	"
280.5	3.50	135	"
295.5	3.75	125	"
310.5	4.25	130	"

GRAPH DERIVED DATA			CALCULATED CO-ORDINATES		
DEPTH	DIP	BEARING (M)	NORTHING	EASTING	ALTITUDE
0	89.5	200	7501.71	5249.745	698.065
25	89.75	070	7501.63	5249.77	673.07
50	89.75	340	7501.70	5249.79	648.07
75	89.5	130	7501.69	5249.86	623.07
100	89.5	080	7501.53	5249.97	598.07
125	89.5	150	7501.34	5250.05	573.07
150	89.0	200	7501.04	5250.08	548.07
175	89.0	150	7500.65	5250.17	523.07
200	88.5	150	7500.23	5250.52	498.08
225	87.5	140	7499.61	5251.13	473.10
250	87.5	130	7498.97	5252.01	448.12
275	87.0	135	7498.30	5253.00	423.15
300	85.75	125	7497.51	5254.36	398.20
321.5	82.5	130	7496.43	5256.27	376.82

REMARKS

1. Ground conditions are very favourable.

2. Core recovered as 3 m unbroken lengths:-

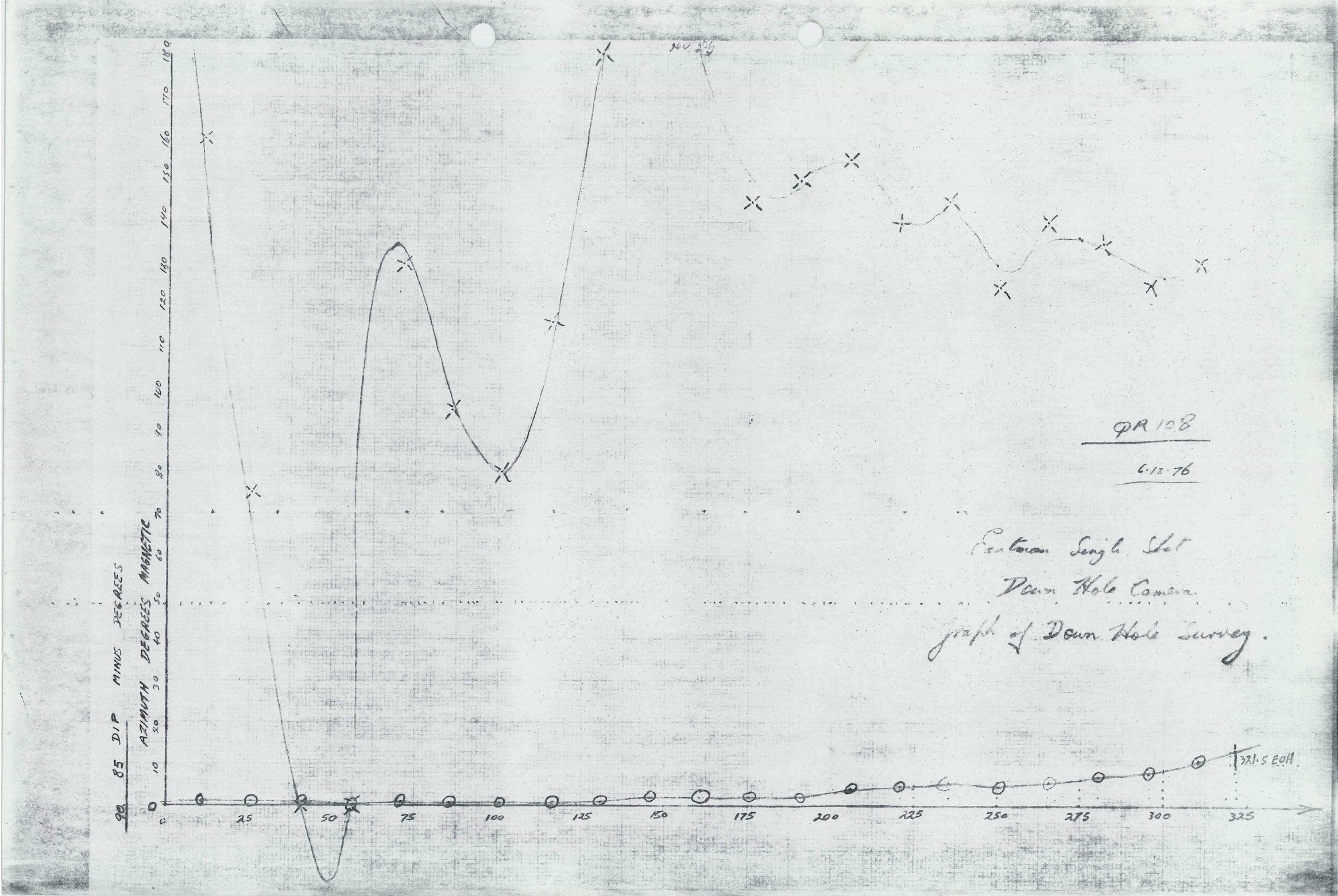
No. of lengths	Interval
1	22.5 - 25.5
1	85.5 - 88.5
15	121.5 - 166.5
7	229.5 - 250.5
5	271.5 - 286.5
3	292.5 - 301.5
5	304.5 - 310.5

3. Rock strength estimated 20,000 - 25,000 p.s.i.

4. Water table measured at 10 m below surface.

5. 90 bags of portland cement used to fill hole on completion of drilling.

6. Water loss while drilling at 38.5 m and 116 m. (No water return to surface beyond 116 m).


DIP 85 MINS DEGREES
AZIMUTH DEGREES MAGNETIC
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180
0 25 50 75 100 125 150 175 200 225 250 275 300 325
321.5 EOH
QR 108
6.12.76
Eastman Single Shot
Down Hole Camera
graph of Down Hole Survey.

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DIAMOND DRILL LOG

Hole No DR108 · 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
0.15	0.3	D. Weathered FeOx stained fg DACITE						0.3	Py < 1
0.30		PDP. Partly weathered grey lithic tuff agglomerate							Py 2-3 as disseminations
0.05	1.5	FeOx on fractures ± 4/m. (open)						1.5	
0.35		D Buff carbonated fine grained locally amygdaloidal dacite (lava?)							Pyrite < 1% occurs as dacite disseminations and as secondary fracture filling.
0.40		The rock is locally grey in colour							
0.50		due to Pyrite/Sericite alteration.							
1.65		Flow banding at 20° CA has been noted at							
1.0	5	4.5-4.7m.							
1.8		The rock is only partly weathered,							
		Open FeOx stained fractures occur							
		at approximately 2/metre. Other							
0.7		breaks are tight, generally due to handling							
0.20		the core. (generally at 30° C.A.)							
0.10									
0.40		Main fracture is at 3.4m. FeOx stained							
1.3	10	* Water Table measured 10 m							
		2-3 cm wide at 30° CA.						10.0	Pyrite 1% - 3% as secondary fracture filling.
	10.85	FeOx down to 10.5m on joints. Gradational Contact.						10.85	
2.25		PDP/DRWT Grey carbonated polymictic lithic tuff agglomerate. Fragment							Pyrite 3% - 5% as disseminations fragments and irregular veins.
		alignment approx 20° to core axis. ±40° CA.							
0.30		Many faults at 12.6, 13.5, 14.6 m. Slips							
1.05		are open, gritty probably water carries.							
		Other fractures at approx 1/m.							
	15								
1.75		quartz carbonate vein 50° at contact.							
	16.3	Some open pathways.						16.3	
3.0		DP Buff-grey lithic tuff agglomerate to agglomerate. Fragments of							Pyrite < 1% as above.
		fine grained buff coloured dacite predominate							
		- fragments to 40 cm have been noted.							
1.0	20	The rock is carbonated, with a grey							
		fragmental "matrix".							
1.8		19.6 - 20.5m. Many fractures 10° CA.							
		Open - with carbonate infilling.							
		Other fractures are tight at approximately							
2.45		1/2m. (One 30 cm chunk of core was							
		recovered)							
	25								

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DIAMOND DRILL LOG

Hole No DR 109 Page No 2.

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	26.85	PP as above. The rock is largely unbroken.							Pyrite < 1% as above.
0.70		D Buff to grey carbonated amygdaloidal Dacite. Vesicles up to 1cm are elongate at 20°-30° to core axis, now carbonate filled occasionally at 70° CA.							
2.30	30	The rock is massive, largely unbroken, fractures at 15°-30° to core axis at tight at 1/2m.						31.2	Pyrite 1%-3% as secondary fracture filling.
2.95		32.6-35.0m. Irregular fractures now sealed with white carbonate (ankerite) and pyrite.	C					33.3	Pyrite 5% as above
3.0	35	36.5m Flow banding at 20° CA.	C					34.5	Pyrite 1%-3% as above.
1.2		35.5m Fault at 28° to CA. 3cm across resulted in water loss while drilling	F					37.8	Pyrite < 1% as above
1.8	40								Rare galena in secondary carbonate veinlets.
3.0								41.2	Pyrite 1%-2% as dissemination and fragments.
	43.4	GRADATIONAL CONTACT 20° CA.						43.4	
3.0	45	PDP/SHT. Minor shear at contact. Grey sericitized locally carbonated lithic tuff. Lithic fragments to 1cm are irregular to sub-rounded							Pyrite 3%-5% as dissemination, aggregate, fragments and irregular veins.
3.0		46.5. Minor fracture 30° to core axis. is outlier. Porphyritic facies, sericitized biotite and occasional recrystallized chert. Flow is a crude fragment alignment at 10° CA							
	50								

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DIAMOND DRILL LOG

Hole N° DR 108 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		50.0 Fractures 10° to core axis, irregular. The matrix is sericite rich, fine grained and "oily"							Pyrite 3% - 5% as above.
		51.9m. 2 minor shears, 35° to C.A. in sericitic tuff. Complementary. Minor Fracture ± 1/m (Partings)							
3.0	54.0	GRADATIONAL CONTACT							
	55	Grey sericitized locally carbonated coarse lithic tuff. Identical to the rock above 54.0 m.							
3.0		57.8. Minor light fracture 10° to C.A. Fragment size is increasing down hole.							
3.0	60								
	60.5	GRADATIONAL CONTACT							
3.0		Grey sericitized locally carbonated lithic tuff agglomerate as above. Fragments to 6cm have been noted.							
	65	64.5 Minor fracture, slightly open 25° to core axis.							
3.0									
		67.8m Minor shear 30° C.A. in sericitic tuff.							
3.0		Foliation 10° - 20° to Core axis.							
	70	* Down to 71.2m, minor fractures etc at approximately 1 per 2 meter are coupled with slight possibly due to sericite.							
	71.2	GRADATIONAL CONTACT							
3.0		PDP 71.8m, fracture 35° to core axis. slightly open. Light grey siliceous locally carbonatic and sericitized lithic tuff - agglomerate							
3.0		Lithic fragments are irregular in outline light grey to buff for pyrite						74.4 m.	3cm stringer Pyrite 10% rare Sph, Gn.
	75								

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DIAMOND DRILL LOG

Hole No DR103 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	80	dacite. The matrix appears to be of similar composition and texture. 77.0 m. 2 fractures at 20° to core axis, complementary. Slightly open. * This unit may be a brecciated porphyritic dacite.							Pyrite 3% - 5% as above. Aggregates of Sphalerite, galena to 3 mm have been noted.
3.0	80.3	Grey sericitized locally silicified and carbonated lithic tuff agglomerate 82.0 m Irregular fracture 10° to C.A. appears to be open, ie water carried (approx 2 mm wide) Similar to the rock above, more obviously fragmental. 85.5 - 88.5 3m stub of core. Fractures average less than 0.5/metre.							
3.0	85								
3.0	90	Fragments of porphyritic dacite, often feldspar phenocrysts to 3 mm are represented by aggregates of pale green sericite in a fine grained quartz - feldspathic groundmass are subequigranular.							
3.0	91.8	GRADATIONAL CONTACT Grey sericitized locally carbonated lithic tuff agglomerate. Similar to above, increasing sericite content. 93.8 m. Bedding 30° to core axis. Cross bedding indicates tob is up hole? (15 cm fine tuff band.)						92.4	Pyrite 5% locally 20% as above, rare sphalerite and galena.
3.0	95							95.3	Pyrite 10% locally 30% as above and as minor stringer veins more sph, 1 cm.
3.0	97.9	96.0 m Foliation in sericitic tuff at 30° to core axis. Large fragments of sericitized trachyte? to 10 cm have been noted.						96.4	Pyrite 5% locally 10% as above. rare sph, 1 cm
3.0	100	DSHT Grey sericitized lithic tuff lithic fragments of porphyritic dacite to 1 cm + occasional recrystallized chert and sericitized trachyte?							

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DIAMOND DRILL LOG

Hole No DR108 Page No 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	DEPTH m	MINERALIZATION
		in a highly sericitized - argillic matrix. 101.0m Fracture 80° to core axis. Foliation 40° to core axis.			
3.0		102.0m 30cm irregular quartz vein sub-parallel to 30° to core axis. Minor fractures associated ± vein.		102.0	Aggregate of sphalerite and galena to 4cm (Secondary) in qtz vein.
3.0	105			104.5	Sphalerite and galena (secondary) in quartz vein.
		*106.8 - 45cm sheared and broken core 60° CA.		105	Pyrite 15% locally 30% Trace Sph, Gn as stringers 30° CA
		*107.6 20cm Fault, gouge breccia 70° CA		106.3	Pyrite 5% as above.
		108.2 5cm. Shear. 60° CA.		107.2	Pyrite 10% locally 20% as disseminations aggregates and stringers. Trace Sph, Gn.
3.0		*108.5 10cm Stringers 50° CA.			
	110				
3.0	111.0	POP		111.0	Pyrite 5% locally 30% as disseminations aggregates and irregular stringers Rare Sph, Gn, Gpy.
		Below 111.0m The rock is blue grey carbonated locally silicified and sericitized Lithic tuff - agglomerate. *112.6 Fracture 30° CA. Lithic fragments are irregular to sub-rounded - porphyritic dacite.			
3.0		114.3 - 117.3 m. Fracture Sub parallel to core axis.			
	115				
		The matrix is fine grained and siliceous.			
3.0		* Water loss at 116m.			
		117.3m. Minor Shear 30° CA. 2cm.			
		Below 117.3 The rock quality is very good - core has been recovered in most cases on 3m sticks.			
3.0	120	Fractures ≒ 1/10m.			
		121.5 - 133.5 m Unbroken core			
3.0					
	125				

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DIAMOND DRILL LOG

Hole No QR108 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	DEPTH m	MINERALIZATION
3.0		PDP or above Continuing good rock quality.			Pyrite 5% locally 30% as above.
3.0	130			126.7	Massive Sphalerite. Galena stringer 2cm wide at 30° CA. Sph 50% Ga 30% Py 15%.
3.0		The rock is a blue grey carbonated locally silicified and sericited lithic tuff agglomerate / agglomerate. Fragments of porphyritic dacite are ubiquitous.		130.0	Pyrite 15% Chalcopyrite 3%-5% Trace Sph, Ga. As 3cm wide Stringer vein Sub-parallel to C.A.
3.0	135			135.3	Pyrite 5% locally 20% as stringer veins. Trace Sph, Ga, rare Cpy.
3.0		Hole 121.5 – 166.5 m. All core recovered as 3m unbroken sticks.		138.5	4cm Banded metal stringer 40° CA. Sph 20% Ga 15% Cpy 7% Py 15%
3.0	140			140.3	2cm Banded metal stringer 40° CA. Sph 10, Ga 5, Cpy 5 Py 15 and 40% Carbonate.
3.0				142.2	2cm stringer Sph 10% Ga 3% Sub-parallel to core axis.
3.0	145			145.6	2cm Stringer 30° CA. Py 10 Cpy 8 Tr Sph, Ga.
3.0					
3.0	150				

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DIAMOND DRILL LOG

Hole No QR108 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
3.0	155	PDP as above.							Pyrite 5% locally 20% Trace Sph, Gn as stringer vein discontinuous and aggregate.
								153.7	10cm Vein (Stringer) Pyrite 50% Sph 5% Gn 2% rare Cpy. 30° CA.
3.0	156.0	Below 156.0 m the rock is an agglomerate. Fragments to 10 cm have been noted.							
3.0	160	Carbonate is common within the matrix.							
3.0	165							164.4	Pyrite 15% Sph 2%-3% Gn 1%-2% Trace Cpy. as stringer vein, sub-parallel to core axis.
3.0		169.35 m. 5cm wide & Pyg. 25° CA.						169.0	approx 5 cm wide.
3.0	170								Pyrite 5% locally 20% Tr Sph, Gn as above.
3.0	172.3	DRWT Grey carbonated, locally sericitized and silicified lithic tuff. Polymictic sub-rounded to rounded fragments of porphyritic dacite, aphanitic trachyte, recrystallized chert and						172.3	3 cm Core vuggy stringer 40° CA. Sph 40% Gn 15% Py 10%
								172.5	
								173.0	Py 20% as stringers 50° CA. Including 10% Barite.
3.0	175								Pyrite 5% locally 20% as stringer Trace Sph, Gn, Cpy.

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DIAMOND DRILL LOG

Hole No QR108 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
		Occasionally pyrite have been noted. The matrix is hard to define, being a water washed tuff.			Pyrite 5% locally 20% From Sph, Ga, Cpy as above.
3.0		There is a crude fragment alignment 30°-40° core axis.			
	178.2	2 fractures at 40° to C.A. have been noted			
		PDP Grey carbonated locally silicified and veinlet Lithic			
3.0	180	180.8 m. Minor fault 70° C.A. (1cm)			
		Tuff agglomerate.			
		Lithic fragments to 8cm are irregular in outline. Fragments are commonly porphyritic dacite.		182.0	Pyrite 10% locally 20% as small stringer veins. Sph 1%-2% Galena 1%-2%. From Ba.
3.0		The matrix appears to be of similar composition.			
	185			185	185.0 – 190.0 m Barite 10% as irregular veins Sulphides as above.
3.0					
3.0					
	190			190	Sulphides as above 185.0 m. From Barite
3.0		192.3 Fracture 10° C.A.			
				193.6	Pyrite 5% locally 20% as above. From Sph, Ga.
3.0	195	194.9 Fracture 10° C.A.			
3.0		198.7 2mm Shear 30° C.A.			
	200				

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DIAMOND DRILL LOG

Hole No DR108 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
3.0		PDP as above Fractures ≈ 1/3 m.			Pyrite 5% locally 20% as above. Trace Sph, Gn.
	202.5	EROSIONAL CONTACT			
3.0		ADP Grey carbonated locally sericitized and silicified Lithic tuff agglomerate. Similar to the rock above 202.5 m, designated ADP due to increasing amount of dark grey porphyritic (chloritized, sericitized) fragments of andesite.		204.5	Pyrite 15% as irregular veins and stringers Tr. Sph, Gn.
	205			205.3	
3.0		201.7 Minor Fracture 30° CA. 203.1 Minor Fracture 30° CA.			Pyrite 5% as disseminations aggregates and irregular veins.
		209.8 Fracture Sub-parallel to CA.		208.4	10 cm vein Pyrite 20% 70° CA.
3.0	210	210.4 Minor Fracture 30° CA. Fragments of porphyritic dacite have also been noted.		209.8	Pyrite 30% 40% Sphalerite 2%
		212.0 Foliation 40° CA.		210.4	Galena 2% as a vein. 20° to C.A.
3.0		The matrix is light grey in colour fine grained and siliceous.		211.5	Pyrite 5% as above.
		214.2 Fracture 15° CA.			Pyrite 10% locally 20% Rare Sph, Gn, Cpy
	215	215.0. Fracture Sub-parallel to C.A.			
3.0		216.0. Fracture 30° CA 216.4 " " "			
		217.0. Fracture Sub parallel to CA.			
		218.5. " 30° CA.			
3.0		219.5 Fracture Sub-parallel to core axis.			
	220	* The rock quality is generally good. Fracture ≈ 1/3 m.			
3.0		The rock is "sealed" with carbonate and pyrite		221.6	Pyrite 5%
		224.3. Fracture 30° CA.			
		224.5 Foliation 30° CA.			
	225				

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DIAMOND DRILL LOG

Hole No QR108 Page No 10

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		ADP as above. 225.5 Fracture 30° CA. Foliation / Crude fragment alignment 30° CA. Below 225.5 m the rock quality is excellent 3 m chunks of core down to 235 * 232.3. Complex folding is illustrated by 3-5 mm wide white carbonate veins.						225.5	Pyrite 5% as above. 10 cm vein 20° Core axis Pyrite 30%
3.0								226.7	Pyrite 10% as disseminations aggregates and irregular veins.
	230							228.3	Pyrite 5% as above.
3.0								230.4	3 cm Pyrite 60° 45° CA.
3.0									
3.0	235								
3.0								235.75	2 cm Stringer Py 20 Sph 20 Gn 10. 45° CA.
								236.0	Pyrite 30% as stringer 3 cm wide Sub-parallel to CA.
								237.0	Pyrite 5% as above
								238.9	2 cm Pyrite Stringer 5° CA. 15% overall.
3.0	240	240.0 – 247.2. Irregular carbonate veinlets - commonly illustrating complex folding have been noted.						239.7	Pyrite 5% as above
								240.4	1 cm stringer Py 50% 40° CA.
3.0									Pyrite 5% as disseminations aggregates and irregular veins.
	245							244.	Pyrite 30% - 40% rare Sph, Gn, Cpy as irregular vein 40° to CA.
3.0								245.5	Pyrite 10% as irregular veins & stringers.
	247.11								
3.0		PD. Grey carbonated locally silicified and sericitized feldspar porphyry dacite. This rock has a "mottled" appearance due							
	250								

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DIAMOND DRILL LOG

Hole No QR108 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
		to pyritic stringers and carbonate / sericite alteration.			Pyrite 1% as above.
2.0	251.2	ADP Grey carbonated, locally silicified and sericitized lithic tuff agglomerate Similar to the rock above 247.4 m.		251.2	Pyrite 5% as dissemination aggregates and irregular veins.
1.0				253.4	3 cm Pyrite 40% Sph 5% Ga 3% as stringer 40° CA.
3.0	255	Fragments to 10 cm are irregular in outline - porphyritic andesite and less common porphyritic dacite		254.5	Pyrite 15% as vein 2 cm ant-parallel to CA.
		* 255 m. Complex folding in pyrite vein.		255.5	Pyrite 5% as above.
3.0		258.2. Fracture 30° CA.		256.4	2 cm pyrite 60% 25° CA.
		258.4. Fault . 20 cm broken core and fgmt 70° CA.			
	260	260.2/2. Fractures 50° CA.			
3.0		262.5 Fracture 20° CA.		261.4	Pyrite 15% as irregular vein 2 cm with ant-parallel to core axis Tr Sph, Ga.
				262.5	
		261 — 266 m. Micro carbonate veinlets to 5 mm illustrating ptygmatic folding. Includes carbonate cemented breccia at 265.4 m.			Pyrite 5% as above.
3.0	265			266.0	Pyrite 10% as irregular vein, illustrating complex folding. Traces of pyrite veining have been noted.
		266.5 Foliation / Crude fragment alignment at 25° CA.			Pyrite 5% as dissemination aggregate and irregular veins.
3.0		267.7 Fracture 30° CA.			
		269.5 3 Fractures 30° CA.		269.2	Pyrite 60% 4 cm vein 65° CA
		270.0 . Fragment Alignment / Bedding? 5° CA.		269.5	Pyrite 10% as irregular veins and aggregates with carbonate.
3.0	270	* Unbroken core 271.5 — 286.5 m		270.0	Pyrite 5% Trace Sph, Ga.
3.0				272.4	2 cm Py 30 % in irregular vein 30° CA.
	274.5				
	275	Grey carbonated, locally silicified			

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DIAMOND DRILL LOG

Hole No DR 103 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		and sericitised lithic tuff. Similar to the rock above 279.5 m. Fragments are generally < 3 cm.		275.3	Pyrite 5% Trace Sph, Gn as above
				275.6	20 cm vein Py 30% Sph 15% Gn 10% 35° CA.
				276.3	→ 1 cm vein as above
					→ 10 cm Py 15% Sph 5% Gn 3%
3.0					Pyrite 5% Trace Sph, Gn as above
	280			279.0	2 cm vein Py 40% Sph 10% Gn 5%
3.0				281	30 cm irregular veins Pyrite 15% Sph 5% Gn 5% Ba 10% 30° CA.
				282.4	Pyrite 10% locally 30% as disseminations, aggregates and irregular stringer veins. Tr. Sph, Gn, Cpy 1%-3%
3.0	285			285.5	As above Tr Sph, Gn, Cpy.
		287.7. Fracture 20° CA.		287.3	20 cm vein Sph 30% Gn 15% Pyrite 30% 30° CA.
3.0				288.3	Pyrite 30% Sph 3% Gn 2% Cpy 3% as stringer veins.
	290	290.1 · Shear 5 cm wide 30° CA.		289.6	Pyrite 10% locally 30% as above. Tr Sph, Gn, Cpy.
3.0		Unbroken Core 292.0 m - 301.5 m		292.7	Pyrite 20% Sph 3% Gn 2% Cpy 3% as irregular stringer veins.
				294.3	Pyrite 15% Trace Sph, Gn, Cpy as irregular stringer veins.
3.0	295				
	298.5	DSHT. Grey sericitised tuff		298.6	Pyrite 5% locally 10% Tr Sph, Gn, Cpy
3.0		299.2. Fracture 30° CA.			
	300	Fine grained sericitised tuff			

Cominco

DIAMOND DRILL LOG

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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
	300.7	Foliation 70° CA. 300.2 Fracture 50° CA		300.7	Pyrite 5% locally 10% Tr Sph, Gn, Cpy as above.
3.0		ADP. Grey carbonated locally silicified, sericitized and chloritized lithic tuff. agglomerate Lithic fragments are irregular in outline from 0.5 to 5cm. * Unrecovered core 304.5-31.5m			Pyrite 10% locally 15% Trace Sph, Gn, Cpy, Ba. with carbonate as irregular veins.
3.0	305	Fly consist of chlorite-sericite replaced andesite and sericitized to pyritic dacite. The matrix is grey-fine grained and siliceous. The rock is locally leached with carbonate and pyrite.			
3.0	310			308.3	Pyrite 5% locally 10% Trace Sph, Gn, Cpy.
3.0		312.5 and 312.8 Fractures 40° CA.		311.5.	in vein Py 50% Sph 5% Gn 5% Cpy 5% 30° CA.
3.0	315	316.0 Fracture 80° CA.		313.7	Pyrite 10% locally 15% Tr Sph, Gn, Cpy as disseminations, aggregate and irregular stringer veins.
3.0				317.3	Pyrite 5% rare Sph, Gn, Cpy as above.
2.0	320				
	321.5	E.O.H.			