BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole No. : C45

Date Started	:	7 July 1997	**Drilled by**	:	Diamond Drilling (Tas.)
Date Completed	:	11 July 1997	**Logged by**	:	J.G. Purvis

Collar

Northing	:	5438612.10
Easting	:	484549.36
R.L.	:	1670.40
Dip	:	-78.3
Bearing	:	355.83

Hole Details

Final Depth	:	228.0
Hole Length	:	228.0
Core Size	:	NQ

Purpose

To test the Tasmania Reef on Section 29 at 1450m R.L: Core stored at M.R.T. Core Library, Mornington, Tasmania. Contact Dr Geoff Green (03) 6233 8333

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
Assays from C45A										
207.7	215.3	7.6	Tasmania Reef	12.22	1.05	152	55	208	3816	2.16

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Diamond Drill Core Log - Down Hole Survey Data

Hole Number **C45**

Depth	Dip	Brg (A.M.G.)	From	To	Length	Sin.Dip	Vertical Difference	R.L.	Cos.Dip	Horizontal Difference	Cos.Brg	Diff. N	Northing	Sin.Brg	Diff. E	Easting
Collar								1670.40					5438612.10			484549.36
0	-78.3	355.8	0	15	15	-0.98	-14.69	1655.71	0.20	3.04	1.00	3.03	5438615.13	-0.07	-0.22	484549.13
30	-80.0	351	15	45	30	-0.98	-29.54	1626.17	0.17	5.21	0.99	5.15	5438620.27	-0.16	-0.81	484548.32
60	-80.5	356	45	75	30	-0.99	-29.59	1596.58	0.17	4.95	1.00	4.94	5438625.21	-0.07	-0.35	484547.97
90	-80.5	352	75	105	30	-0.99	-29.59	1566.99	0.17	4.95	0.99	4.90	5438630.12	-0.14	-0.69	484547.28
120	-81.0	354	105	135	30	-0.99	-29.63	1537.36	0.16	4.69	0.99	4.67	5438634.78	-0.10	-0.49	484546.79
150	-81.0	354	135	165	30	-0.99	-29.63	1507.73	0.16	4.69	0.99	4.67	5438639.45	-0.10	-0.49	484546.30
180	-81.0	350	165	204	39	-0.99	-38.52	1469.21	0.16	6.10	0.98	6.01	5438645.46	-0.17	-1.06	484545.24
228	-81.0	353	204	228	24	-0.99	-23.70	1445.50	0.16	3.75	0.99	3.73	5438649.19	-0.12	-0.46	484544.79

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Diamond Drill Core Log

Hole C45

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
2.5	206.0	Creamy grey to grey, hard, fine grained quartzose	OUT	sll	2.5	4.5	93	40									
		siltstone and sandstone. Beds of stylolitic limestone			4.5	6.3	97	34									
		to 750mm thickness most common 149 - 171m.			6.3	8.1	83	16									
		Siltstone and sandstone generally calcareous,			8.1	10.8	93	4									
		strongly below 130m with common tiny shell			10.8	13.6	89	50									
		fragments. Bedding generally regular, 30 CA,			13.6	15.2	80	34									
		although basal 25m of unit is massive sandstone.			15.2	16.7	90	33									
		Bioturbation common. Occasional uphole facing			16.7	18.9	95	72									
		scour and fill structures above 100m.			18.9	19.6	89	23									
		Minor carbonate-quartz veinlets, common below			19.6	21.7	94	34									
		182m. Ankerite quartz veins (to 100mm thick)			21.7	23.0	85	0									
		appear at 194.5m and are abundant below 202m with			23.0	24.0	78	30									
		some filling thin breccia zones.			24.0	26.0	99	72									
		Below 173m intervals up to 2m contain 1-2% pyrite.			26.0	27.4	89	51									
					27.4	28.7	75	29									
		Ground conditions fair above74m with breaking at			28.7	30.0	69	28									
		intervals along planar and undulating fractures			30.0	31.7	44	0									
		generally parallel to bedding. Conditions generally			31.7	33.0	69	28									
		good below 74m, although deteriorate to fair due to			33.0	34.4	76	20									
		fracturing below 195m. Badly broken 205 - 206m.			34.4	35.0	35	0									
		Small brittle faults at 35.5m 65 CA and 183m 10 CA.			35.0	36.3	82	17									
					36.3	37.7	85	40									
206.0	214.9	**TASMANIA REEF.**	DTR	ore	37.7	39.3	83	17									
		206.0 - 209.5m: Grey quartz-ankerite-pyrite vein,			39.3	41.0	93	22									
		highly fractured and brecciated but annealed.			41.0	42.5	87	41									
		5 - 10% py > aspy			42.5	43.8	90	54									
		209.5 - 212.5m: Massive white quartz-ankerite-pyrite			43.8	45.7	88	26									
		vein with quartz sandstone fragments. 4 - 5% py >			45.7	47.0	83	41									
		aspy > cpy. Visible gold.			47.0	48.3	49	40									
		212.2 - 212.9m: Black silicified and veined quartz			48.3	49.2	84	48									
		sandstone / grit. 2 - 3% py > aspy			49.2	50.0	85	39									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		212.9 - 214.9m: 75% white quartz-ankerite vein 25%			50.0	52.1	93	62									
		quartz grit fragments, silicified and veined. 5% py >			52.1	53.5	90	40									
		aspy. Visible gold.			53.5	55.1	100	48									
					55.1	55.8	53	19									
		Ground condition poor to fair due to fracturing. Badly			55.8	57.3	82	41									
		broken above 209.5m.			57.3	59.2	101	68									
					59.2	60.2	97	39									
214.9	228.0	Black, hard, fine to coarse grained quartzose sand-	OLT	ssc	60.2	61.3	96	21									
		stone, quartz grit and quartz pebble conglomerate.			61.3	63.6	100	52									
		Grit and conglomerate contain subangular to well			63.6	65.1	101	67									
		rounded quartz clasts to 25mm, generally < 5mm.			65.1	67.1	89	69									
		These range from densely packed to matrix-			67.1	68.8	100	50									
		supported with very open framework. Matrix of all			68.8	69.8	81	10									
		rock types is siliceous but also has significant			69.8	71.0	85	24									
		carbonaceous content. Bedding generally not well			71.0	72.2	94	14									
		developed, 35 CA.			72.2	73.2	93	10									
		Relatively weak quartz>ankerite (+/- py) veining to			73.2	77.0	98	29									
		222m, most common 217.5 - 221.0m. Some			77.0	80.0	92	32									
		carbonate spotting throughout. 1% disseminated py			80.0	81.7	95	59									
		to 222m, with trace aspy to 217m.			81.7	82.7	99	47									
					82.7	86.0	98	58									
		Ground conditions faor to good - occasional zones of			86.0	89.0	91	54									
		fracturing. Small fault 25 CA at 216.2m in a black			89.0	92.0	100	47									
		shale band.			92.0	95.0	93	63									
					95.0	97.6	92	27									
		E.O.H. at 228.0m.			97.6	99.9	93	39									
					99.9	101.9	96	36									
					101.9	103.4	85	36									
					103.4	104.8	89	66									
					104.8	105.4	113	30									
					105.4	107.0	85	33									
					107.0	108.7	93	48									
					108.7	110.5	95	70									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
					110.5	112.7	103	56									
					112.7	113.7	88	21									
					113.7	115.4	83	41									
					115.4	117.8	96	47									
					117.8	119.8	97	72									
					119.8	121.3	83	20									
					121.3	122.9	84	62									
					122.9	125.0	113	56									
					125.0	126.1	89	65									
					126.1	128.5	94	67									
					128.5	130.8	99	71									
					130.8	133.9	98	72									
					133.9	137.0	98	72									
					137.0	140.0	97	62									
					140.0	143.0	97	74									
					143.0	146.0	100	90									
					146.0	149.0	96	64									
					149.0	152.0	95	53									
					152.0	154.6	96	76									
					154.6	157.7	99	81									
					157.7	160.8	98	75									
					160.8	163.9	96	81									
					163.9	166.2	95	18									
					166.2	169.3	97	67									
					169.3	171.5	99	55									
					171.5	173.0	96	67									
					173.0	174.5	107	70									
					174.5	176.0	83	67									
					176.0	179.0	101	89									
					179.0	180.0	71	45									
					180.0	180.8	114	84									
					180.8	182.3	93	61									
					182.3	183.4	83	52									

Hole C45

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
					183.4	186.2	94	59									
					186.2	189.3	98	57									
					189.3	192.0	94	53									
					192.0	194.2	97	71									
					194.2	195.9	64	18									
					195.9	198.0	121	50									
					198.0	200.0	90	30									
					200.0	203.0	90	17									
					203.0	205.0	90	22									
					205.0	206.0	79	0									
					206.0	208.6	46	4									
					208.6	210.4	88	33									
					210.4	212.0	87	59									
					212.0	213.7	86	41									
					213.7	214.6	83	0									
					214.6	216.2	89	34									
					216.2	217.7	96	46									
					217.7	219.3	92	44									
					219.3	221.0	86	55									
					221.0	222.5	93	39									
					222.5	224.0	97	59									
					224.0	226.2	88	50									
					226.2	228.0	81	34									