

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole No. : B42

Date Started : 8 August 1997

Drilled by : Diamond Drilling (Tas.)

Date Completed : 25 August 1997

Logged by : J.G. Purvis

Collar

Northing : 5440802.60
Easting : 482865.94
R.L. : 2065.13
Dip : -60
Bearing : 354.45

Hole Details

Final Depth : 149.6
Hole Length : 149.6
Core Size : 0.0 23.3 Tricone
23.3 101.0 HQ
101.0 149.6 NQ

Purpose

Test for the strike extent of mineralisation identified in hole B41 at Pease Creek.

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
------	----	--------	-------------	----	----	----	----	----	----	---

403053

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole B42

Page 1 of 4

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	23.3	Triconed. No core.	OPN	nil	23.3	24.2	94	16									
					24.2	27.2	53	13									
23.3	51.6	Tertiary sands, silts, clays and lignite bands. Pale fawny-brown, soft but compact. Sands largely quartz with minor mica and lignitic material. Lignite bands to 60 cm thick. Minor thin gravel horizons of quartz and Ordovician sediment pebbles, generally 5 - 10 mm, but 20 cm bed at 23.3 m contains cobbles to +60 mm. Bedding 50 - 60 CA.	TER	grv	27.2	28.7	98	17									
					28.7	30.2	62	45									
					30.2	33.2	33	19									
					33.2	34.7	71	47									
					34.7	36.2	45	10									
					36.2	37.6	64	0									
					37.6	39.2	87	28									
					39.2	40.7	101	83									
51.6	52.5	Palaeosol on Ordovician sandstone. Dark brown organic-rich clay and sand, with crumbly fragments of quartzose sandstone.	TER	soi	40.7	42.2	107	32									
					42.2	45.2	53	42									
					45.2	46.7	93	64									
					46.7	48.2	78	55									
52.5	87.0	Partly sheared pale grey, fine grained quartzose sandstone and lesser siltstone. Bedding 10 - 45 CA, average 25 CA. Common bedded clayey shear zones typically 1 - 10 cm wide but up to 1.5m (68.0 - 69.5m) Shears more frequent below 72m and very common below 80m, with some apparently in calcareous horizons. Little veining - some leached fractures originally had carbontae veinlets on them. Brown MnOx and FeOx stains to 72m, especially on fractures, with boxworks at 63m. Minor to 1% pyrite and rare arsenopyrite, disseminated and on fractures	OUT	sll	48.2	49.7	103	0									
					49.7	51.2	90	43									
					51.2	52.7	95	50									
					52.7	54.2	91	22									
					54.2	55.7	51	0									
					55.7	57.2	24	0									
					57.2	58.2	57	0									
					58.2	60.6	88	18									
					60.6	61.7	54	9									
					61.7	62.8	75	13									
					62.8	64.4	66	0									
					64.4	65.4	78	12									
					65.4	66.0	70	0									
					66.0	67.8	70	0									
					67.8	69.2	51	0									
87.0	95.2	Fault zone. Sheared and shattered sandstone-siltstone as above. Some yellow-brown oxidised	OUT	sll	69.2	71.2	94	0									
					71.2	72.0	59	0									

403055

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		limestone below 92.2m. Shearing angles 25 - 40 CA.			72.0	73.5	67	0									
		Ground conditions very poor, with rubble and			73.5	75.8	49	5									
		significant core loss (no core 88.2 - 90.2m).			75.8	77.1	75	0									
					77.1	78.2	90	0									
95.2	112.2	Pale grey, partly sheared fine - medium grained	OUT	sll	78.2	78.5	123	0									
		quartzose siltstone and sandstone. Weakly			78.5	80.1	90	0									
		calcareous below 100m where rock largely			80.1	81.1	51	0									
		unoxidised. Common thin sericitic shears 20 CA and			81.1	82.1	91	0									
		crumbly cataclasite.			82.1	83.1	85	10									
		105.2 - 107.0m: Dark grey irregular quartz veinlets			83.1	84.4	44	0									
		with graphite and minor pyrite-arsenopyrite.			84.4	85.3	101	0									
		Abundant carbonate microveinlets some in net-veined			85.3	86.4	39	0									
		zones. Minor pyrite and trace arsenopyrite.			86.4	87.7	55	0									
					87.7	88.2	48	0									
		Ground condition poor - broken, some rubble and			88.2	90.2	0	0									
		core loss.			90.2	91.7	17	0									
					91.7	92.1	105	0									
112.2	128.0	Fault zone. Rotten, clayey, crushed and shattered	OUT	sll	92.1	92.8	77	0									
		rock: A major fault zone in siltstone-sandstone as			92.8	93.8	71	0									
		above and limestone. Shearing 20 - 30 CA.			93.8	94.7	69	18									
		Abundant tiny net-veinlets of carbonate.			94.7	95.2	60	0									
		125.1 - 126.7: Band of grey-black carbonaceous			95.2	96.5	89	0									
		siltstone 15 CA Persistent minor to 1% pyrite			96.5	97.7	81	9									
		(and arsenopyrite?) veinlets and disseminations.			97.7	98.3	63	0									
					98.3	99.2	86	0									
		Ground conditions extremely poor - much rubble and			99.2	99.8	80	0									
		clay with >50% core loss 115.7 - 121.0m.			99.8	101.0	96	0									
					101.0	102.2	52	0									
128.0	149.6	Partly faulted pale grey, fine to medium grained	OUT	sll	102.2	102.8	30	0									
		quartzose siltstone and sandstone. Beds of			102.8	104.2	102	25									
		limestone, oxidised above 140m. Grey-black			104.2	105.8	86	31									
		carbonaceous siltstone 138.0 - 139.2m. Bedding			105.8	106.7	63	0									
		20 - 25 CA with local warping and rare folding.			106.7	108.1	80	10									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		Common brittle faults, sericitic shears and highly microfractured zones. Deformation decreases below 140m. Most faults <30 CA, strongest 135.2 - 137.2, 138.4 - 139.2m and 142.7 - 144.2m. Shears mainly below 144m parallel to bedding. Intense carbonate net-veining fills the microfractures. To 142m, minor to 1% pyrite disseminated and in tiny veinlets. Rare quartz veinlets below 137.0m.			108.1	109.0	19	0									
					109.0	110.5	71	0									
					110.5	111.1	48	17									
					111.1	111.8	47	0									
					111.8	112.5	57	0									
					112.5	113.3	64	0									
					113.3	115.1	28	9									
					115.1	115.7	58	0									
					115.7	116.7	12	0									
					116.7	117.2	56	0									
		Ground conditions fair but intervals of puggy rubble and core loss. Conditions improve below 140m and rock is hard.			117.2	117.8	22	0									
					117.8	118.4	25	0									
					118.4	119.2	8	0									
					119.2	119.8	85	0									
		E.O.H at 149.6m.			119.8	120.2	37	0									
					120.2	121.0	54	0									
					121.0	122.2	97	19									
					122.2	123.6	88	57									
					123.6	125.2	48	8									
					125.2	126.2	73	0									
					126.2	127.5	78	21									
					127.5	129.1	91	43									
					129.1	130.7	90	15									
					130.7	131.5	74	19									
				131.5	132.2	77	49										
				132.2	133.7	98	38										
				133.7	135.2	95	49										
				135.2	136.6	6	0										
				136.6	137.2	32	0										
				137.2	138.2	82	22										
				138.2	139.2	24	10										
				139.2	140.2	91	16										
				140.2	141.2	95	57										

403057

Hole B42

Page 4 of 4

[illegible]

403058