BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole No. : B46

Date Started	:	12 November 1997	**Drilled by**	:	Diamond Drilling (Tas.)
Date Completed	:	28 November 1997	**Logged by**	:	J.G. Purvis

Collar

Northing	:	5440740.12
Easting	:	482887.62
R.L.	:	2058.43
Dip	:	-60
Bearing	:	330.5

Hole Details

Final Depth	:	179.4
Hole Length	:	179.4
Core Size	:	NQ

Purpose

Further investigation of mineralisation at the Pease Creek Prospect

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
150.3	154.3	4.0	Pyritic ankerite rich mineralisation	0.82	0.60	5	6	105	2656	2.71
Including										
153.5	154.3	0.8		1.43	1.00	5	<3	65	4274	1.47

GSY 1403

Survey Sheet

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log - Down Hole Survey Data

Hole Number **B46**

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								2058.43					5440740.12			482887.62
0	-60.0	330.5	0	16.5	16.5	-0.87	-14.29	2044.14	0.50	8.25	0.87	7.18	5440747.30	-0.49	-4.06	482883.56
33	-60.0	330	16.5	49.5	33	-0.87	-28.58	2015.56	0.50	16.50	0.87	14.29	5440761.59	-0.50	-8.25	482875.31
66	-61.0	330.5	49.5	81	31.5	-0.87	-27.55	1988.01	0.48	15.27	0.87	13.29	5440774.88	-0.49	-7.52	482867.79
96	-61.5	331	81	111	30	-0.88	-26.36	1961.64	0.48	14.31	0.87	12.52	5440787.40	-0.48	-6.94	482860.85
126	-61.0	330	111	138	27	-0.87	-23.61	1938.03	0.48	13.09	0.87	11.34	5440798.73	-0.50	-6.54	482854.30
150	-62.5	329	138	164.5	26.5	-0.89	-23.51	1914.52	0.46	12.24	0.86	10.49	5440809.22	-0.52	-6.30	482848.00
179	-63.0	328	164.5	179.4	14.9	-0.89	-13.28	1901.25	0.45	6.76	0.85	5.74	5440814.96	-0.53	-3.58	482844.42

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole B46

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	24.7	Triconed - no core. TERTIARY CLAYS, SILTS and	TER		24.0	25.6	56	0	37.0	38.0	<0.01	<1	22	21	<3	21	2.99
		GRAVELS.			25.6	27.1	35	0	38.0	39.0	0.02	<1	66	54	<3	29	2.3
					27.1	28.6	51	0	39.0	40.0	<0.01	<1	42	30	<3	23	2.37
24.7	37.0	Creamy brown. STRONGLY OXIDIZED QUARTZOSE	OUT		28.6	30.1	61	0	40.0	41.0	<0.01	<1	25	88	6	31	2.51
		SILTSTONE and SANDSTONE. Leached, bleached,			30.1	31.1	71	10	41.0	42.0	<0.01	<1	82	106	13	46	5.27
		porous and badly broken, with clayey sections.			31.1	32.1	89	0									
		MnOx stains, especially on fractures. Limonite stains			32.1	33.1	76	0	58.0	59.0	0.06	<1	24	5	4	110	0.13
		below 34.5m. Rare leached quartz veinlets.			33.1	34.5	21	0	59.0	60.0	0.24	<1	117	4	14	141	0.22
					34.5	35.0	62	0									
37.0	90.7	Dark grey-black, fine to medium grained, PYRITIC	OUT		35.0	36.0	80	0	69.0	70.0	0.02	<1	28	3	19	45	0.24
		CARBONACEOUS QUARTZOSE SILTSTONE and			36.0	36.8	81	0									
		SANDSTONE. Leached and porous (rocks originally			36.8	37.8	74	11									
		calcareous). Clayey bands to 1m after thinly-bedded			37.8	39.1	87	11									
		IMPURE LIMESTONE. Bedding 25 CA.			39.1	40.1	85	10									
		Strong pyrite veining 37-42m (3-5% pyrite). Pyrite 1%			40.1	40.9	61	0									
		42-47m and below 84.5m. Elsewhere, generally			40.9	42.1	73	0									
		pyrite <1%, mainly on fractures and in tiny veinlets.			42.1	43.0	78	11									
		Pyritic fault 71.2-72.3m (0.9m of core lost here).			43.0	44.5	85	21									
		Minor high-angle leached quartz veinlets, rarely			44.5	46.0	82	29									
		pyritic, and most common 57.5-60.5m and 69-70.5m.			46.0	47.0	58	0									
					47.0	48.1	104	22									
		Ground conditions fair. Extensive fracturing, with			48.1	49.6	93	23									
		badly broken intervals (especially limestones).			49.6	50.1	120	30									
					50.1	51.1	80	18									
90.7	91.8	MINERALIZED FAULT, 55 CA. Breccia of quartzose	OUT		51.1	52.3	99	0	90.7	91.8	<0.01	<1	36	5	12	53	1.94
		sandstone cemented by fine sugary quartz, all cut by			52.3	53.8	105	0									
		tiny spidery pyrite veinlets. 2-3% pyrite. Moderately			53.8	55.0	87	18									
		leached and broken.			55.0	56.5	94	13									
					56.5	58.0	30	0									
91.8	110.4	Black, medium grained, PYRITIC CARBONACEOUS	OUT		58.0	59.3	65	37									
		QUARTZOSE SANDSTONE. Rock is porous and has			59.3	60.8	100	51									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		open gashes on fractures due to carbonate leaching.			60.8	62.3	64	8									
		Bedding poorly developed 20-30 CA (rock is massive)			62.3	63.2	100	0									
		Strong low-angle faults at 97-102m and 105-106.5m.			63.2	64.2	86	0									
		Minor leached quartz veinlets (some contain pyrite).			64.2	64.8	83	0									
		Pyrite 1-3%, in fractures, veinlets and disseminated.			64.8	66.1	56	0									
		Best pyrite in faulted section at 98-109m.			66.1	67.4	92	0									
					67.4	68.9	107	19									
		Ground conditions fair to poor. Extensive rubble			68.9	70.4	98	23									
		intervals below 97m.			70.4	71.9	49	0									
					71.9	72.7	74	0									
110.4	130.1	MAJOR FAULT. Pale fawn, badly broken and clayey	OUT		72.7	73.9	86	25	115.5	116.5	<0.01	1	61	5	8	55	1.68
		zone in quartzose siltstone and sandstone. Highly			73.9	74.9	97	13	116.5	117.5	<0.01	<1	67	6	<3	48	0.94
		leached and bleached. Clayey limestone in top few			74.9	75.8	91	0									
		metres (Brachiopod fragments at 115.5m). No quartz			75.8	76.7	147	27									
		or carbonate veining. Generally trace pyrite and rare			76.7	78.1	72	18									
		arsenopyrite, mostly on fractures. Best zones: 2%			78.1	79.2	58	0									
		pyrite>>arsenopyrite at 115.5-117.5m, and 2-3%			79.2	79.9	143	0									
		disseminated pyrite>>arsenopyrite below 129m.			79.9	81.1	74	8									
					81.1	82.5	41	0	129.0	130.1	<0.01	1	114	5	35	139	4.86
		Ground conditions very poor - largely rubble.			82.5	83.3	75	0	130.1	132.5	0.02	<1	20	14	16	59	1.46
		Significant core loss. Rock is lightweight and friable.			83.3	83.8	290	0	132.5	133.5	<0.01	<1	37	9	8	43	1.29
					83.8	85.3	88	0	133.5	134.5	<0.01	<1	39	18	11	54	0.84
130.1	140.6	PYRITIZED SANDSTONE. Pale grey, massive	DRF		85.3	86.8	95	9	134.5	135.5	0.01	1	69	12	36	140	5.09
		quartzose sandstone, with 2-3% fine sooty pyrite>			86.8	88.3	56	0	135.5	136.5	<0.01	1	27	89	50	162	1.98
		arsenopyrite, in veinlets, fracture-fillings and			88.3	89.2	81	0	136.5	137.5	<0.01	1	56	5	7	117	4.13
		disseminations. Some sulphide veinlets have quartz			89.2	90.1	158	33	137.5	138.5	<0.01	<1	67	5	11	74	2.38
		gangue. Mineralization best 134.5-135.5m with 3-5%			90.1	91.5	164	16	138.5	139.5	<0.01	1	1006	4	<3	47	0.83
		pyrite>arsenopyrite in a network of veinlets. Small			91.5	92.6	85	0	139.5	140.6	0.06	<1	147	5	14	105	4.73
		diffuse patch of ankeritic carbonate alteration at			92.6	94.1	100	0	140.6	141.1	0.02	1	33	5	6	78	5.09
		132.8m and rotten quartz-ankerite veinlet at 134.4m.			94.1	95.6	97	15	141.1	142.3	<0.01	1	46	21	5	52	1.00
		Bedding poorly developed, 30 CA.			95.6	97.1	98	7	142.3	143.1	<0.01	1	25	16	<3	65	0.18
					97.1	98.3	66	0	143.1	144.0	0.11	1	82	7	<3	432	0.31
		Ground conditions generally poor. Well fractured and			98.3	99.1	95	0	144.0	145.0	0.03	<1	106	6	5	93	4.61

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		broken, with crumbly zones.			99.1	100.3	76	10	145.0	145.7	0.01	<1	16	5	48	105	2.82
					100.3	101.8	71	0	145.7	146.3	0.01	1	9	4	<3	61	3.38
140.6	160.6	ANKERITE-SULPHIDE-QUARTZ MINERALIZATION	DRF		101.8	102.8	88	25	146.3	147.6	0.01	1	46	4	<3	52	4.78
		in pale grey, partly leached and sericitized quartzose			102.8	104.3	99	11	147.6	148.8	0.04	<1	103	5	4	46	1.69
		siltstone-sandstone. Limestone breccia beds. Quartz			104.3	105.1	105	40	148.8	150.3	0.01	1	94	4	<3	36	1.00
		pebble in limestone at 156.1m. Bedding 20-30 CA.			105.1	106.1	83	0	150.3	151.1	0.92	<1	2854	7	21	330	7.05
		To 144m the ankerite largely as a patchy diffuse			106.1	107.6	96	0	151.1	152.6	0.74	1	2632	6	9	74	2.59
		alteration, some associated with disseminated pyrite			107.6	108.9	88	0	152.6	153.5	1.00	1	3522	6	<3	58	2.44
		>arsenopyrite (averaging 2%).			108.9	110.4	81	10	153.5	154.3	1.43	1	4274	5	<3	65	1.47
		144-145m: Massive stratiform replacement lode (30			110.4	111.9	49	11	154.3	155.2	0.10	1	69	3	<3	32	0.47
		CA) of granular ankerite-quartz-pyrite>arsenopyrite			111.9	113.4	40	0	155.2	156.1	0.45	1	2347	4	<3	46	0.95
		(5-7% sulphides).			113.4	114.4	72	0	156.1	157.2	0.90	1	3753	4	<3	38	1.02
		145-147.4m: 3% pyrite>arsenopyrite disseminated in			114.4	117.1	84	0	157.2	158.0	0.04	1	100	6	<3	39	0.26
		interval of weak diffuse ankerite-quartz replacement			117.1	117.7	72	0	158.0	159.5	0.06	1	94	5	3	26	0.19
		bands.			117.7	119.0	109	0	159.5	160.6	0.05	1	<50	3	3	20	0.11
		147.4-150.3m: Very common discrete ankerite-quartz			119.0	120.1	36	0									
		sulphide veinlets in weakly silicified and sericitized			120.1	121.1	90	0									
		sandstone. 1-2% pyrite-arsenopyrite.			121.1	122.6	39	0									
		150.3-151.1m: Granular ankerite-quartz-sulphide lode			122.6	124.1	57	0									
		with 5-7% pyrite>arsenopyrite.			124.1	125.6	47	0									
		151.1-160.6m: Ankerite (+quartz and sulphides) in			125.6	126.1	30	0									
		veinlets, patches and replacement bands - the latter			126.1	126.8	34	0									
		mainly replacing calcite cement in limestone breccia			126.8	127.5	69	0									
		beds to 1m (157-158m). 2% pyrite>arsenopyrite to			127.5	128.6	33	0									
		154m, decreasing to minor below 157.1m.			128.6	129.0	95	0									
					129.0	130.5	53	0									
		Ground conditions generally poor: fractured and			130.5	132.0	44	0									
		broken with rubble zones and core loss. Several			132.0	132.7	73	0									
		bedding-parallel faults 150-160m, centred on 20cm			132.7	134.2	93	0									
		cataclasite breccia zone at 153.8m.			134.2	135.7	92	7									
					135.7	136.8	96	0									
160.6	179.4	Pale grey, leached, fine to medium grained, massive	OUT		136.8	138.1	99	20									
		QUARTZOSE SANDSTONE. Weakly sericitized.			138.1	139.5	60	17									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		Tiny carbonate veinlets, between 164-165m some of			139.5	141.1	51	0									
		these appear ankeritic and have minor hematite			141.1	142.3	67	8									
		associated with them. Trace pyrite.			142.3	143.1	68	0									
					143.1	144.4	42	0									
		Ground conditions fair to poor. Extensive zones of			144.4	145.0	98	28									
		bad fracturing, with sandy clay seams - these worst			145.0	146.3	81	29									
		in probable fault zones at 160.8-161.6m and 165-			146.3	147.1	63	21									
		168.3m. Rock is slightly crumbly due to leaching.			147.1	147.6	92	30									
					147.6	148.8	91	10									
					148.8	149.4	88	17									
		EOH at 179.4m.			149.4	150.1	84	19									
					150.1	150.8	73	19									
					150.8	151.5	31	0									
					151.5	152.0	40	0									
					152.0	152.6	33	0									
					152.6	153.1	74	38									
					153.1	153.5	67	0									
					153.5	154.6	101	12									
					154.6	155.2	78	0									
					155.2	156.1	92	24									
					156.1	157.2	72	21									
					157.2	157.8	98	0									
					157.8	158.6	100	40									
					158.6	159.5	91	11									
					159.5	160.8	92	21									
					160.8	161.6	9	0									
					161.6	162.3	74	0									
					162.3	163.3	96	0									
					163.3	164.3	91	10									
					164.3	165.1	100	0									
					165.1	166.0	100	0									
					166.0	167.1	56	0									
					167.1	167.9	67	30									

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Hole B46

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
					167.9	168.4	76	0									
					168.4	169.2	120	0									
					169.2	169.8	35	0									
					169.8	170.5	46	0									
					170.5	171.5	88	23									
					171.5	172.6	97	44									
					172.6	173.5	97	12									
					173.5	174.1	0	0									
					174.1	175.3	93	53									
					175.3	176.0	47	0									
					176.0	177.0	76	57									
					177.0	178.2	92	22									
					178.2	179.4	61	29									