BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole No. : C13

Date Started	:	17 January 1997	**Drilled by**	:	Diamond Drilling (Tas.)
Date Completed	:	27 January 1997	**Logged by**	:	P.B. Hills

Collar

Northing	:	5438592.07
Easting	:	484459.23
R.L.	:	1745.33
Dip	:	-11
Bearing	:	148

Hole Details

Final Depth	:	361.4
Hole Length	:	361.4
Core Size	:	NQ

Purpose

To explore for the presumed Southern Reef.

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
190.6	192.2	1.6	Quartz/ankerite/sulphide breccia							
192.2	193.5	1.3	Sulphide mineralised siltstone							

Survey Sheet

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log - Down Hole Survey Data

Hole Number **C13**

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								1745.33					5438592.07			484459.23
0	-11.0	148	0	31	31	-0.19	-5.92	1739.41	0.98	30.43	-0.85	-25.81	5438566.26	0.53	16.13	484475.36
62	-10.0	154	31	77	46	-0.17	-7.99	1731.43	0.98	45.30	-0.90	-40.72	5438525.55	0.44	19.86	484495.21
92	-9.0	155	77	97	20	-0.16	-3.13	1728.30	0.99	19.75	-0.91	-17.90	5438507.64	0.42	8.35	484503.56
102	-9.0	155	97	130	33	-0.16	-5.16	1723.14	0.99	32.59	-0.91	-29.54	5438478.10	0.42	13.77	484517.34
158	-6.5	155	130	184.5	54.5	-0.11	-6.17	1716.97	0.99	54.15	-0.91	-49.08	5438429.03	0.42	22.88	484540.22
211	-5.0	158	184.5	235	50.5	-0.09	-4.40	1712.57	1.00	50.31	-0.93	-46.64	5438382.38	0.37	18.85	484559.07
259	-5.0	158.5	235	285	50	-0.09	-4.36	1708.21	1.00	49.81	-0.93	-46.34	5438336.04	0.37	18.26	484577.32
311	-4.0	160.5	285	336	51	-0.07	-3.56	1704.65	1.00	50.88	-0.94	-47.96	5438288.08	0.33	16.98	484594.31
361	-2.0	162.5	336	361.4	25.4	-0.03	-0.89	1703.76	1.00	25.38	-0.95	-24.21	5438263.87	0.30	7.63	484601.94

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BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole C13

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	Assays To	Au	Ag	As	Cu	Pb	Zn	S
0.0	190.6	Light brownish grey fine to medium grained quartz	OUT	sll	0.0	2.5	66	14									
		siltstone and minor sandstone with occasional			2.5	4.5	100	30									
		stylolitic limestone interbeds and rare carbonaceous			4.5	7.6	69	11									
		shaley partings of 1 - 2cm. Siltstone and sandstone			7.6	11.0	96	27									
		is generally well bedded at 20 CA although			11.0	13.1	90	40									
		occasional patches of bioturbation occur. A thin			13.1	14.3	85	11									
		calcareous fossil band occurs from 15.0 - 15.2m with			14.3	17	87	16									
		a true thickness of 5cm. Stylolitic limestone inter-			17.0	19.3	82	9									
		beds are not common due to the angle of drilling but			19.3	20.6	95	0									
		probably have a true thickness of 40 - 50cm and a			20.6	22.8	71	5									
		spacing of 4 - 6m. Considerable bioactivity is			22.8	26.0	87	9									
		exhibited with possible algal mats and burrows.			26.0	27.5	47	0									
		Occasional patches of carbonate flecks parallel to			27.5	28.4	16	0									
		the bedding occur throughout the stratigraphy.			28.4	32.2	67	0									
		Occasional quartz carbonate veins and stringers			32.2	34.5	92	46									
		occur throughout the unit and minor crackle			34.5	38.0	83	9									
		brecciation is exhibited. A zone of quartz ankerite			38.0	40.4	97	13									
		rich veining with minor pyrite overprinting bedding			40.4	43.3	87	28									
		occurs from 184.6 - 184.9m and also 185.6 - 185.8m			43.3	46.1	89	9									
		Very rare pyrite grains are seen in association with			46.1	50.0	88	30									
		the veins but become more common from 100m and			50.0	52.5	95	20									
		also occur as isolated grains on joint surfaces.			52.5	55.3	65	4									
		Patches of rich pyrite dissemination occur from 184			55.3	56.5	88	22									
		- 190.6m.			56.5	58.7	73	22									
					58.7	60.3	83	6									
		Fracture faces are usually smooth to slightly rough			60.3	62.6	73	16									
		and planar. Often they occur on joints in preference			62.6	65.8	93	25									
		to bedding due to the angle of drilling. Ground			65.8	68.2	93	41									
		conditions are poor, again as a result of the drilling			68.2	71.5	94	12									
		orientation, and considerable zones of broken core			71.5	74.6	83	14									
		occur.			74.6	77.9	97	29									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
190.6	192.2	**Southern Reef**. Quartz ankerite sulphide breccia.	DSR	ore	77.9	82.1	92	43									
		The crackle breccia gangue supports up to 40%			82.1	83.0	113	52									
		sulphides, predominantly pyrite with arsenopyrite			83.0	85.7	95	39									
		and sphalerite. A few crystals of proustite were also			85.7	88.8	86	27									
		observed.			88.8	89.7	86	22									
					89.7	93.7	91	16									
		Core is moderately broken in patches throughout the			93.7	95.0	84	21									
		zone, generating rubble where ankerite is dominant.			95.0	98.0	90	21									
		Some fracture faces show striations, although			98.0	100.4	74	13									
		generally they are rough and irregular.			100.4	103.4	82	3									
					103.4	104.0	93	18									
192.2	193.5	Light brownish grey medium grained quartz siltstone	DSR	slm	104.0	106.6	113	30									
		containing abundant disseminated pyrite. Quartz			106.6	111.4	72	5									
		ankerite pyrite sphalerite veins (often vuggy) occur			111.4	114.0	90	8									
		throughout the unit.			114.0	115.5	73	12									
					115.5	118.9	91	18									
		Ground conditions are poor with >50% very broken.			118.9	122.0	94	39									
		Fracture faces on more competent core are rough			122.0	125.0	90	25									
		though generally planar.			125.0	127.9	86	15									
					127.9	130.2	91	16									
193.5	302.0	Light brownish grey medium grained quartz siltstone	OUT	sll	130.2	131.5	80	10									
		with interbedded stylolitic limestone. Siltstone is			131.5	134.0	92	43									
		well bedded at 30 CA and is often flecked with			134.0	136.4	90	28									
		carbonate parallel to the bedding. Several large			136.4	139.4	92	43									
		quartz carbonate +/- pyrite veins occur to 197.5m			139.4	141.4	95	45									
		and quartz carbonate stringers are common			141.4	145.1	93	36									
		throughout. Considerable disseminated pyrite			145.1	148.1	101	83									
		patches and blebs occur from 196.4 - 196.6m and			148.1	151.2	99	62									
		and also 206.0 - 206.1m, 219.5 - 219.8m, 222.8 -			151.2	155.0	95	66									
		223.5m, 232.3 - 232.6m, 234.0 - 234.7m, 239.5 -			155.0	156.3	88	54									
		239.7m and 256.2 - 257.3m, often as euhedral			156.3	159.3	96	66									
		grains. Quartz carbonate crackle breccia occurs			159.3	161.2	102	70									
		in part becoming less common from around 250m			161.2	163.8	93	48									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		Carbonate flecks parallel to bedding occur through-			163.8	164.5	84	0									
		out.			164.5	166.3	77	0									
					166.3	168.0	79	9									
		Ground conditions range from poor to fair. Fracture			168.0	171.0	94	81									
		faces are generally smooth planar parallel to joints			171.0	173.0	104	78									
		and occasionally, bedding.			173.0	176.0	79	47									
					176.0	177.2	115	25									
302.0	361.4	Medium to dark grey medium grained quartz silt-	OLT	ssc	177.2	180.2	95	60	350.8	350.9	0.03	12	1.17	230	8950	10.6	6.46
		stone and fine to medium grained quartz sandstone			180.2	183.1	99	28									
		with minor interbedded stylolitic limestone and			183.1	185.1	77	27									
		occasional quartz pebble bands. First pebbles			185.1	187.0	86	51									
		occur in a limestone interbed from 302.0 - 302.4m.			187.0	190.6	79	37									
		Siltstone/sandstone is quite massive in appearance			**190.6**	**192.5**	**55**	**0**									
		occasionally exhibiting bedding at 20 CA but more			**192.5**	**193.5**	**73**	**0**									
		generally disturbed or bioturbated. Stylolitic			193.5	195.0	98	27									
		limestone interbeds do not persist beyond 312.4m.			195.0	198.1	87	33									
		Quartz pebble, generally in bands to 10cm (true)			198.1	200.0	103	70									
		are well rounded and subspherical to spherical,			200.0	202.1	93	30									
		ranging to 8mm diameter. Occasional quartz			202.1	205.1	85	27									
		carbonate veinlets and stringers occur throughout the			205.1	207.0	70	11									
		unit. A 4cm quartz carbonate pyrite breccia vein			207.0	210.0	100	74									
		occurs at 304.8m. A zone from 350.7 - 352.0m is			210.0	211.0	72	20									
		quite vuggy and contains a 1cm band of sphalerite			211.0	214.0	99	44									
		from 350.8 - 350.9m at 20 CA.			214.0	217.0	93	45									
					217.0	218.0	86	37									
		Ground conditions are generally good although a			218.0	219.5	82	7									
		shaley horizon at 327.6 - 328.5m is quite broken.			219.5	221.0	65	7									
		Core is also broken from 344.5 - 344.9m and beyond			221.0	224.0	85	39									
		359.0m. Fracture faces are generally smooth planar			224.0	226.9	104	79									
		occasionally polished and pyrite coated.			226.9	230.0	92	73									
					230.0	233.0	101	67									
		E.O.H. at 361.4m.			233.0	236.0	86	41									
					236.0	238.5	82	13									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
					238.5	241.5	94	37									
					241.5	242.3	74	14									
					242.3	245.0	88	64									
					245.0	248.0	99	43									
					248.0	251.0	101	65									
					251.0	253.9	88	48									
					253.9	257.0	81	22									
					257.0	257.7	100	0									
					257.7	260.0	94	34									
					260.0	263.0	95	53									
					263.0	266.0	92	51									
					266.0	268.3	116	46									
					268.3	269.3	97	56									
					269.3	272.0	95	70									
					272.0	275.0	96	66									
					275.0	278.0	102	95									
					278.0	281.0	99	96									
					281.0	284.0	95	67									
					284.0	287.0	100	43									
					287.0	290.0	98	84									
					290.0	293.0	100	89									
					293.0	294.2	98	73									
					294.2	294.8	87	53									
					294.8	297.1	94	38									
					297.1	300.1	100	38									
					300.1	302.0	97	83									
					302.0	305.0	100	64									
					305.0	307.9	97	50									
					307.9	311.0	99	74									
					311.0	314.0	99	76									
					314.0	317.0	98	69									
					317.0	320.0	100	92									
					320.0	322.5	92	56									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
					322.5	325.5	93	52									
					325.5	328.1	90	46									
					328.1	331.1	76	50									
					331.1	334.1	98	59									
					334.1	337.2	95	25									
					337.2	340.2	102	91									
					340.2	343.2	100	73									
					343.2	344.7	77	10									
					344.7	347.7	96	7									
					347.7	350.5	100	34									
					350.5	352.0	90	0									
					352.0	355.0	102	44									
					355.0	358.2	92	70									
					358.2	360.9	90	64									
					360.9	361.3	67	0									
					361.3	361.4	40	0									