BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole No. : B48

Date Started	:	23 January 1995 ? 8	**Drilled by**	:	Stacpooles
Date Completed	:	5 February 1998	**Logged by**	:	Grant MacDonald

Collar

Northing	:	482300.41
Easting	:	5438488.96
R.L.	:	109.09
Dip	:	vertical
Bearing	:	NR

Hole Details

Final Depth	:	99.5m
Hole Length	:	99.5m
Core Size	:	0-24.0m, RC; 24.0m-99.5m HQ

Purpose Determine rock type beneath mill site

Summary Results No significant intersections

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S

Survey Sheet

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log - Down Hole Survey Data

Hole Number **B48**

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								109.09					5438488.96			482300.41
0	-90.0		0	45	45	-1.00	-45.00	64.09	0.00	0.00	1.00	0.00	5438488.96	0.00	0.00	482300.41
90	-90.0		45	99.5	54.5	-1.00	-54.50	9.59	0.00	0.00	1.00	0.00	5438488.96	0.00	0.00	482300.41

BEACONSFIELD MINE JOINT VENTURE

Diamond Drill Core Log

Hole B48

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	24.0	**Not cored. Tertiary gravels and clays.**	TER		25.0	25.5	78	0									
		There was a repetition of core blocks with 34.9m			25.5	27.0	12	0									
		written with 1 metre of core between the two. Each			27.0	27.5	10	0									
		core block reconciled with the preceding and			27.5	27.9	13	0									
		following blocks so it was decided to reduce all core			27.9	28.4	102	0									
		blocks down to and including the top "34.9m" block.			28.4	29.0	100	0									
					29.0	29.5	58	0									
24.0	28.1	**Tertiary (unconsolidated) conglomerate**	TER		29.5	30.0	58	0									
		Dark yellowish orange (weathered) in colour. Clasts			30.0	31.5	80	0									
		~70% rounded to sub-angular vein quartz and quartzite with			31.5	31.9	63	0									
		~30% quartzose sandstone (including some gritty sandstones)			31.9	33.4	97	40									
		similar to underlying sandstone. Apparent foliation in sandstone			33.4	34.9	67	0									
		clasts S0? S1? Most quartz vein clasts (including some			34.9	35.9	81	0									
		arguably rubbly in-situ vein material) are between 25.5m and			35.9	36.9	190	25									
		28.1m. Some minor oxidised vugs and fresh pyrite cubes			36.9	38.1	48	0									
		(to ~2mm cubed) in this quartz.			38.1	39.8	39	0									
					39.8	40.0	230	0									
28.1	30.3	**Sandstone >> shale**	DCH	sst/	40.0	41.1	90	0									
		Yellowish orange (weathered) to light grey (fresher)		slh	41.1	43.2	43	7									
		quartzose sandstone consisting of ~98% quartz with ~2%			43.2	44.2	88	0									
		dark pelitic? clasts with occasional discernible foliation			44.2	45.2	36	0									
		at ~ 5° core axis though there are also liezer-gange rings.			45.2	46.2	18	0									
					46.2	47.2	8	0									
30.3	32.4	**Shale interbed in sandstones**	DCH	slh	47.2	48.6	12	0									
		Medium grey shale interbedded in sandstone (as above).			48.6	49.6	38	0									
		Bedding is at very low angle to core (see diagram below).			49.6	50.6	49	0									
		S1 is refracted across the contact between the sandstones			50.6	51.6	50	0									
		and shales. Fine ferruginous joints sub-parallel to S1			51.6	53.1	31	0									
		make' into fine quartz veinlets. This set is apparently			53.1	54.3	100	0									
		postdated by some similar joints/quartz veinlets (see diagram).			54.3	55.5	38	0									
					55.5	56.6	48	0									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
32.4	33.3	**Sandstone**	DCH	sst	56.6	57.6	52	0									
		Yellowish orange (weathered) with reddish tinge.			57.6	58.6	125	0									
		Quartzose sandstone with thin interbeds of shale.			58.6	59.1	134	0									
					59.1	59.6	8	0									
33.3	35.5	**Shale/siltstone**	DCH	slh	59.6	60.6	19	0									
		Light grey to medium dark grey finely bedded (beds 2 - 15mm)			60.6	61.6	20	0									
		with some beds more silty, others more shaley. S0 is ~8% at			61.6	63.6	8	0									
		34.6m. Core is generally brecciated.			63.6	64.8	13	0									
					64.8	66.3	36	0									
35.5	38.1	**Quartz veined shale > siltstone**	DCH	slh	66.3	67.4	34	0									
		Similar to previous unit except that the core is less brecciated,			67.4	68.6	83	21									
		there is less siltstone and the core contains ferruginous quartz			68.6	69.6	72	0									
		veining. Veining is generally in broken core. There are ~5			69.6	70.8	80	0									
		veins up to 50mm wide. Veining is ~45° - 75° core axis.			70.8	72.3	47	7									
		There are ferruginous vugs but no fresh sulphides.			72.3	73.1	81	0	35.5	38.1	<0.01	<1	11	14	3	43	<0.01
					73.1	74.3	55	0									
38.1	43.1	**Shale > siltstone**	DCH	slh	74.3	76.0	29	0									
		Finely bedded shale > siltstone (beds 0.5 - 10mm). S0			76.0	76.7	140	0									
		remains consistently ~3°-5° core axis.			76.7	79.0	24	0									
					79.0	80.3	76	21									
43.1	45.2	**Quartz veined shale > siltstone**	DCH	slh	80.3	80.8	102	0									
		Similar to previous unit except core now contains ferruginous			80.8	82.3	49	27									
		quartz veining. Quartz veining contains graphite and			82.3	82.8	212	76									
		occasional cubic pyrite (0.5% total pyrite with cubes to 2mm)			82.8	83.8	145	55									
		with most pyrite 43.1m - 43.2m. ~70% ferruginous quartz with			83.8	84.4	58	0									
		~30% shale > siltstone			84.4	85.4	130	27	43.1	45.2	<0.01	<1	6	11	13	54	0.16
					85.4	86.9	27	7									
45.2	48.6	**Shale and siltstone**	DCH	slh	86.9	87.6	57	0									
		Broken core but bedded shale and siltstones as			87.6	89.8	26	13									
		above. From 45.2m to 45.3m and 48.4m to 48.6m are two zones			89.8	91.4	27	0									
		of quartz vein in rubble. Some minor disseminated pyrite			91.4	92.6	97	22									
		in this veining.			92.6	94.8	24	5									
					94.8	95.7	207	56									

From	To		Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
48.6	53.2	**Siltstone > shale**	DCH	slh	95.7	96.9	79	16									
		Interbedded dark greenish grey siltstones and very dark grey			96.9	97.4	150	20									
		shales with beds 5mm - 25mm thick. S0 ~15° core axis at			97.4	98.7	88	49									
		50.8m and S1 ~20°-25° with ~5° rotation (see diagrams below).			98.7	99.5	59	0									
		At 53.1m S1 is very slaty suggesting S0 is closer to S1															
53.2	55.6	**Quartz veined shale**	DCH	slh													
		Broken core with 30% - 40% white fibrous quartz veining.															
		Probably 4 such veins @ ~45° core axis. Most quartz is in															
		rubble and in sheared brecciated shale															
55.6	73.0	**Siltstones and shales**	DCH	slh													
		Similar to unit from 48.6m - 53.2m but more broadly interbedded							53.2	55.6	<0.01	<1	4	13	10	46	0.37
		with core siltstone above 69.0m and shaley below. S0 is 28°															
		at 70.0m. From 72.1m to 72.3m is contorted															
		quartz+carbonate veining which is pre- or syn- cleavage															
		(referred to here as S1).															
									72.1	72.3	<0.01	<1	3	13	3	65	0.21
73.0	80.2	**Sandstone > siltstone > shale**															
		Dominantly dark greeenish grey sandstone with lesser															
		siltstone and minor black shale. Actually two fining up															
		units. One unit fines from sandstone at 76.4m (base) up to															
		the shales at the base of the overlying unit. The other unit															
		fines up from sandstone at base (80.2m) to shales from															
		76.3 - 76.7m. The sandstone is quartzose with very															
		rare pelitic lithics. The matrix of the sandstone becomes															
		calcaroues (calcite) below ~76m. Sandstones above this															
		would have been calcareous but for leaching by groundwater.															
		S0 at 77.1m is 15° core axis. Occasional quartz+carbonate															
		veins 5 - 30mm thick at ~70° are very similar (and probably															
		same generation) as the contorted quartz+carbonate veining															
		from 72.1m to 72.3m.															

Hole B48

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
80.2	99.5	**Sandstone > siltstone > shale**							86.9	87.6	<0.01	<1	<1	11	12	48	0.04
		Series of 8 very similar grossly fining up units with sandstone															
		base, through more silty material to thin very dark grey shaley															
		tops. Individual units are from: 99.5m (EOH so below this) to															
		96.8m; 96.8m to 94.5m; 94.5m to 90.3m; 90.3m to 88.5m;															
		88.5m to 87.6m; 87.6m to 86.7m; 86.7m to 84.3m and 84.3m to															
		81.7m. There are no classic turbiditic textures (except for															
		some wavy laminations in siltier zones).															
		End of hole at 99.5m															