

# BEACONSFIELD MINE JOINT VENTURE

## Diamond Drill Core Log

Hole No. : B49

Date Started : 6 February 1998

Drilled by : Stacpoles

Date Completed : 17 February 1998

Logged by : Grant MacDonald

### Collar

Northing : 5438540.89  
Easting : 482495.61  
R.L. : 110.06  
Dip : 90  
Bearing : NR

### Hole Details

Final Depth : 114.2  
Hole Length : 114.2  
Core Size : 0-35m, RC; 35m-114.2m HQ

Purpose : Determine rock type beneath mill site

### Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
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# BEACONSFIELD MINE JOINT VENTURE

## Diamond Drill Core Log

Hole B49

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From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	35.0	Not cored - tricone and blade	TER		35.0	36.0	19	0									
					36.0	37.0	83	12									
35.0	93.3	Sandstones/siltstones/shales	DCH	sst/	37.0	38.0	69	10									
		The hole has drilled essentially down-dip of bedding with S0 ranging from 3° - 45° but averaging ~15° to core axis.		slh	38.0	39.0	70	0									
		Generally dark greenish grey to medium dark grey sandstones (quartzise and micaceous)			39.0	40.0	60	0									
		and siltstones with greyish black shales. Essentially a series of complete or partly complete fining-up cycles with an ideal cycle having a more massive sandstone base overlain by finely bedded (mm's) siltstones, and minor shales, in turn overlain by black shales. Some textures indicative of soft-sediment deformation (micro-faults, wavy cross-bedding)			40.0	41.0	89	32									
		Contact with underlying unit is defined by No sulphides or quartz veining in this unit.			41.0	42.0	77	16									
		The rock becomes increasingly foliated with decreasing grain size. This cleavage is steeper than bedding with its dip direction rotated clock-wise ~5° - 15° i.e. more easterly.			42.0	43.0	72	0									
		35.00 - 36.80 sandstone			43.0	44.0	80	20									
		36.80 - 37.80 bedded siltstone with S0 25° ca			44.0	45.0	70	0									
		37.80 - 38.30 sandstone			45.0	46.0	80	0									
		38.30 - 40.00 bedded siltstone>shale with S0 45°			46.0	47.0	65	0									
		40.00 - 40.80 bedded siltstone			47.0	48.0	88	16									
		40.80 - 41.20 sandstone			48.0	49.0	103	0									
		41.20 - 42.70 bedded siltstone with S0 32°			49.0	50.0	87	0									
		42.70 - 44.50 sandstone>>siltstone			50.0	51.0	84	0									
		44.50 - 45.00 siltstone, foliated			51.0	52.0	110	19									
		45.00 - 45.70 sandstone			52.0	53.0	101	18									
		44.50 - 45.00 foliated siltstone			53.0	54.0	86	0									
		45.70 - 47.80 siltstone with minor sandstone			54.0	55.0	96	0									
		47.80 - 48.30 foliated black shale with puggy upper contact			55.0	56.0	100	26									
					56.0	57.0	86	0									
					57.0	58.0	87	14									
					58.0	59.0	81	30									
					59.0	60.5	92	13									
					60.5	62.0	89	21									
					62.0	63.5	77	24									
					63.5	65.0	80	0									
					65.0	66.3	60	0									
					66.3	67.8	100	33									
					67.8	68.9	99	35									

B001400

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays									
									From	To	Au	Ag	As	Cu	Pb	Zn	S	
		48.30 - 50.00 sandstone and fine-grained sandstone. 10mm fibrous quartz vein @ ~70° ca			68.9	69.8	29	0										
		50.00 - 53.00 bedded siltstone with S0 ~3°-5° ca			69.8	70.4	98	48										
		53.00 - 55.20 sandstone			70.4	70.9	106	42										
		55.20 - 63.50 bedded siltstone with S0 ~5°-15° ca			70.9	72.4	91	21										
		63.50 - 64.00 sandstone			72.4	74.0	100	23										
		64.00 - 68.90 siltstone with S0 17° ca			74.0	75.5	100	51										
		68.90 - 70.20 fine-grained sandstone			75.5	77.0	85	61										
		70.20 - 72.10 siltstone, S0 dips 57°-053° and 60°-077° @ 71.2m with S1 70°-070°. At 71.5m S1 is 73°-060°, at 71.7m S1 is 70°-046° (all TN)			77.0	78.5	88	34										
		72.10 - 75.40 fine-grained sandstone>siltstone			78.5	80.0	96	37										
		75.40 - 78.50 sandstone with occasional black shale rip-up clasts			80.0	80.8	94	14										
		78.50 - 83.00 siltstone>sandstone with S0 15°-18° ca			80.8	82.3	93	49										
		83.00 - 87.70 sandstone with 20mm quartz vein @ 84.40m			82.3	83.0	97	19										
		87.70 - 89.80 siltstone and fine-grained sandstone			83.0	84.5	88	32										
		89.80 - 93.30 siltstone with S0 18° ca			84.5	86.0	100	11										
					86.0	86.7	107	14										
					86.7	88.2	95	38										
					87.2	89.0	88	48										
					88.2	89.0	88	48										
					89.0	89.5	84	0										
					89.5	90.0	158	48										
93.3	104.2	<b>Siltstone/shale with some quartz veining</b>	DCH	slh	90.0	90.1	400	230	93.3	94.2	<0.01	1	3	18	<3	52	0.08	
		Dark grey siltstone and shaley siltstone getting darker down-hole. Similar to overlying rocks but with only minor sandstones			90.1	92.0	7	0	94.2	95.2	<0.01	1	7	10	6	38	0.15	
		The hole is still drilling essentially down-dip with S0 0°-20° ca.			92.0	92.5	36	0	95.2	96.2	<0.01	1	5	16	4	65	0.07	
		This rock shows some soft-sediment deformation exploited by subsequent quartz+calcite veining as a fine network of veinlets generally sub-parallel to the core axis.			92.5	93.0	26	0	96.2	97.2	<0.01	1	<1	15	10	54	0.06	
		This zone is essentially the selvedge to the main zone of quartz veining below. Larger fibrous quartz+calcite veins are from 99.60-99.80m, 100.30-100.50m and 104.40-104.50m, all with only minor disseminated pyrite in the veining. There is also some disseminated pyrite in the shaley rock and some stratiform pyrite @ 104.10m.			93.0	94.5	101	56	97.2	98.2	<0.01	<1	<1	28	6	78	0.12	
					94.5	96.0	97	37	98.2	99.2	<0.01	<1	<1	27	4	73	0.2	
					96.0	97.5	91	51	99.2	100.2	<0.01	<1	<1	9	39	10	66	0.41
					97.5	99.0	91	57	100.2	101.2	<0.01	<1	<1	29	6	59	0.54	
					99.0	100.5	99	34	101.2	102.2	<0.01	<1	1	32	<3	81	0.09	
					100.5	102.0	126	51	102.2	103.2	<0.01	<1	3	29	<3	64	0.33	
					102.0	105.0	94	16	103.2	104.2	<0.01	1	25	52	29	67	1.76	
					105.0	106.0	73	0	104.2	105.2	<0.01	<1	5	52	35	30	1.26	
					106.0	107.0	51	0	105.2	106.2	<0.01	<1	25	55	31	32	1.32	
					107.0	108.5	90	7	106.2	107.2	<0.01	<1	10	47	31	50	1.42	

B211300

From	To		Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
104.2	111.1	<b>Quartz veined zone</b>	DCH	ven	108.5	109.6	92	11	107.2	108.2	<0.01	<1	<1	21	8	49	0.27
		Zone of more intense quartz±calcite veining and deformation.			109.6	111.1	93	7	108.2	109.2	<0.01	<1	<1	15	20	46	1.49
		Though the foliation is sub-parallel to the core axis, the veins are generally at more moderate angles to the core axis.			111.1	112.2	88	0	109.2	110.2	<0.01	<1	5	9	25	23	1.46
		There is a marked change in rock, particularly colour, at 107.20m. Above this the rock is a dark grey shale and shaley siltstone, below this the rock is a greenish grey shaley siltstone. Both rocks are foliated with the foliation wrapping around the quartz veining. There is minor pyrite in some veining and occasional occurrences of pyrite in the adjacent rock.			112.2	113.2	82	0	110.2	111.2	<0.01	<1	<1	15	33	45	1.74
		The quartz veining does not appear to be part of an obvious reef structure even though there is a strong possibility that the contact at 107.2m is faulted. Individual quartz±calcite veins are up to 200mm wide. Fibrtes in the veining are at low angles to ca supporting the interpretation that these veins are from the same set as the smaller occasional veins seen elsewhere in this hole and in B48.			113.2	114.2	60	15									
111.1	114.2	<b>Shaley siltstone</b>	DCH	slh													
		Greenish grey shale and shaley siltstone. S0 @ 23° ca with S1 rotated 5°-10° clockwise and dipping more steeply than S0. Some bedding conformable calcite+pyrtie veins to 20mm are veins exploiting bedding. There is no calcite in the matrix of any of these rocks.															
		114.2 metres End of Hole															

B27131