

COMPANY Beaconsfield Mine Joint Venture  
 PROJECT Tasmania Mine  
 HOLE NUMBER B30

From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6
			From	To	m	%	m	%								
0.0	50.5	HW tricone to 50.5 metres; HW casing started at 50.5 metres.	0.0	50.5	0.0	0										
50.5	119.9	<b>SILTSTONE AND LIMESTONE</b>	50.5	51.5	0.8	80	0.00	0								
			51.5	54.5	3.0	100	2.91	97								
		Grey green siltstone and narrow interbedded bands of white limestone with rare light grey green quartzite bands and very rare concordant breccia bands.	54.5	56.7	2.2	100	1.65	75								
			56.7	58.1	1.4	100	1.30	93								
			58.1	60.5	2.4	100	2.16	90								
			60.5	62.8	2.3	100	1.31	57								
			62.8	64.0	1.2	100	0.73	61								
		The limestone rarely occurs as thicker bands up to 75cm long; some of the thinner limestone beds are discontinuous.	64.0	65.8	1.8	100	1.67	93								
			65.8	67.5	1.7	100	1.24	73								
			67.5	70.6	3.1	100	2.60	84								
			70.6	71.5	0.9	100	0.36	40								
		The quartzite bands are generally rare but are more common from 105.0m onwards where limestone becomes very rare; the quartzite bands are up to 40cm long.	71.5	73.1	1.6	100	1.44	90								
			73.1	74.2	1.1	100	0.81	74								
			74.2	75.5	1.3	100	1.12	86								
			75.5	78.2	2.7	100	2.13	79								
			78.2	79.7	1.5	100	1.17	78								
		The breccia bands consist of angular siltstone and mudstone clasts, generally less than 2mm across but up to 5mm across, in a dark, partly calcareous matrix.	79.7	82.5	2.8	100	2.02	72								
			82.5	84.1	1.6	100	1.42	89								
			84.1	87.2	3.1	100	2.91	94								
			87.2	89.9	2.7	100	2.00	74								
			89.9	92.3	2.4	100	2.35	98								
		Trace to sparse, occasionally vuggy milky white quartz occurs throughout as stringers, veinlets and rare veins; trace calcite occurs as discrete veinlets and also associated with some quartz veins and veinlets; traces of pyrite (and pyrrhotite?) occur as blebs along bedding in the siltstone, as films along bedding planes in siltstone, as films along irregular healed fractures in limestone (stylolites?), in some quartz veins and veinlets, and as fine crystals disseminated in limestone; traces of green chlorite occur in some quartz veins and veinlets.	92.3	94.1	1.8	100	1.78	99								
			94.1	96.3	2.2	100	1.91	87								
			96.3	97.3	1.0	100	0.75	75								
			97.3	98.9	1.6	100	1.15	72								
			98.9	100.0	1.1	100	0.75	68								
			100.0	102.5	2.5	100	2.23	89								
			102.5	103.4	0.9	100	0.44	49								
			103.4	105.0	1.6	100	1.38	86								
			105.0	108.1	3.1	100	2.98	96								
			108.1	110.1	2.0	100	1.00	50								
			110.1	111.5	1.4	100	1.04	74								
			111.5	114.5	3.0	100	2.76	92								
			114.5	117.5	3.0	100	2.73	91								
			117.5	120.5	3.0	100	2.85	95								

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			From	To	m	%	m	%								
		At 58.2m, a calcite veinlet is cut by a quartz veinlet.														
		There is a very small offset of bedding across some discordant quartz veinlets, offsets being less than 1cm.														
		BCA ranges from 20 to 45 degrees and is typically 40 degrees.														
		The interval is broken to very broken, most breaks being along bedding planes.														
		The contact with the next interval is gradational.														
119.9	125.1	<b>MASSIVE QUARTZITE</b>	120.5	123.5	3.0	100	2.91	97								
		Massive green grey, slightly gritty quartzite with rare bands, up to 2cm true thickness, of quartz grit.	123.5	126.5	3.0	100	2.00	67								
		Sparse quartz and calcite occur as stringers and veinlets; trace pyrite occurs as films along annealed fractures.														
		The interval is broken.														
		BCA, indicated by colour banding, is typically 45 degrees.														
		The contact with the next interval is sharp but irregular.														
125.1	138.5	<b>RUPTURED LIMESTONE AND SILTSTONE</b>	126.5	129.5	3.0	100	2.16	72								
		Grey white limestone and minor interbedded green grey siltstone; the limestone beds are	129.5	132.5	3.0	100	2.35	78								
			132.5	135.5	3.0	100	2.46	82								
			135.5	138.5	3.0	100	2.81	94								

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From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6
			From	To	m	%	m	%								
		ruptured.														
		Sparse milky white quartz and calcite occur throughout as stringers and veinlets, trace pyrite as films along annealed fractures, especially in the limestone.														
		BCA ranges from 15 to 40 degrees, but is typically 40 degrees.														
		The interval is broken.														
		The contact with the next interval is sharp at 20 degrees to the core axis, but is slightly irregular.														
138.5	140.7	<b>MASSIVE QUARTZITE</b>	138.5	141.5	3.0	100	2.94	98								
		Massive green grey, slightly gritty quartzite, with sparse milky white quartz as stringers and veinlets, trace pyrite along fractures.														
		BCA, indicated by colour banding, averages 30 degrees.														
		The contact with the next interval is sharp at 20 degrees to the core axis.														
140.7	144.0	<b>RUPTURED LIMESTONE, SILTSTONE AND MINOR QUARTZITE</b>	141.5	144.4	2.9	100	2.35	81								
		White limestone and grey green siltstone and minor bands of green grey quartzite; with sparse quartz and calcite as stringers and veinlets, trace pyrite as disseminations and films along annealed fractures.														

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From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6	
			From	To	m	%	m	%									
144.0	145.8	The interval is very broken.															
		BCA averages 20 degrees.															
		The contact with the next interval is sharp at 20 degrees to the core axis.															
		<b>FAULT</b>	144.4	147.5	3.1	100	3.04	98									
		Fragments of limestone, siltstone, quartzite and quartz, up to 5cm across, in a dark matrix of rock flour; fragments are elongate, slightly rounded and aligned parallel to sub-parallel to the fault contacts.															
		Sparse quartz and trace pyrite occur as stringers.															
		The interval is relatively unbroken.															
		The contact with the next interval is sharp at 20 degrees to the core axis, and is slightly irregular.															
145.8	219.0	<b>LIMESTONE INTERBEDDED WITH SILTSTONE, QUARTZITE &amp; MUDSTONE</b>	147.5	150.5	3.0	100	2.94	98									
			150.5	153.5	3.0	100	2.87	96									
			153.5	156.5	3.0	100	2.95	98									
			156.5	159.5	3.0	100	3.00	100									
			159.5	162.5	3.0	100	2.64	88									
			162.5	165.5	3.0	100	2.75	92									
			165.5	168.5	3.0	100	2.88	96									
			168.5	171.5	3.0	100	2.82	94									
			171.5	173.8	2.3	100	1.80	78									
			173.8	175.9	2.1	100	0.17	8									
			175.9	177.5	1.6	100	1.34	84									
			177.5	180.5	3.0	100	2.80	93									
	180.5	183.5	3.0	100	2.22	74											
	183.5	186.5	3.0	100	2.94	98											
	186.5	189.5	3.0	100	2.31	77											
	189.5	192.5	3.0	100	2.73	91											
		BCA ranges from 0 to 45 degrees and is typically 35 degrees.															

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From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6	
			From	To	m	%	m	%									
219.0	234.5	The interval is broken to extremely broken.	192.5	195.5	3.0	100	2.88	96									
			195.5	198.5	3.0	100	1.82	61									
		162.7 - 162.9: concordant band of breccia & pug	198.5	200.1	1.6	100	1.09	68									
			200.1	202.4	2.3	100	1.98	86									
		The contact with the next interval is gradational.	202.4	204.5	2.1	100	1.02	49									
			204.5	207.5	3.0	100	2.97	99									
			207.5	208.8	1.3	100	0.36	28									
			208.8	210.5	1.7	100	1.70	100									
			210.5	212.8	2.3	100	1.82	79									
			212.8	215.9	3.1	100	1.92	62									
			215.9	219.0	3.1	100	2.68	86									
				<b>LIMESTONE AND SERPENTINISED LIMESTONE</b>	219.0	222.0	3.0	100	3.00	100							
					222.0	224.1	2.1	100	0.80	38							
					224.1	225.5	1.4	100	0.92	66							
		White limestone and green rock (serpentinised limestone?) with minor interbedded green grey siltstone.	225.5	228.5	3.0	100	2.73	91									
			228.5	231.5	3.0	100	2.71	90									
			231.5	234.5	3.0	100	2.65	88									
		Sparse quartz and calcite as stringers, veinlets and veins, and trace disseminated pyrite.															
		BCA ranges from 0 degrees to 50 degrees and is typically 35 degrees.															
		The interval is broken to extremely broken.															
		The contact with the next interval is gradational.															
234.5	245.5	<b>LIMESTONE, SILTSTONE AND SHALE</b>	234.5	237.5	3.0	100	2.64	88									
			237.5	240.5	3.0	100	2.65	88									
		White limestone interbedded with green grey siltstone and black shale; shale becoming more common towards 245.5m.	240.5	243.5	3.0	100	2.88	96									
			243.5	246.5	3.0	100	2.82	94									
				Sparse quartz and calcite occur as stringers and veinlets.													

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From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6	
			From	To	m	%	m	%									
636.5	646.8	Sparse calcite and cream dolomite (ankerite?) occur as stringers and veinlets.															
		Most core breaks are along bedding.															
		The contact with the next interval is gradational.															
		<b>MINERALISED LIMESTONE</b>	636.5	639.5	3.0	100	2.88	96	635.5	636.5	Au ppm	Au ppm	As ppm	As %			
			639.5	642.5	3.0	100	2.76	92	636.5	637.5	0.118		2801				
		Grey limestone with common calcite (ankerite?) veining.	642.5	643.3	0.6	69	0.08	10	637.5	638.5	0.148		2304				
			643.3	645.5	2.2	100	2.09	95	638.5	639.5	0.130		1912				
			645.5	648.5	3.0	100	2.58	86	639.5	640.5	0.156		3070				
		Cream to red (haematitic?) calcite and dolomite (ankerite?) occur commonly as veins, veinlets and stringers, sparse to minor pyrite as blebs and flecks generally associated with carbonate veining and sparse, occasionally vuggy, quartz as veinlets and stringers.	640.5	641.5					640.5	641.5	0.308		>5000	0.56			
			641.5	642.5					641.5	642.5	2.980		>5000	5.26			
			642.5	643.5					642.5	643.5	0.637		>5000	0.90			
			643.5	644.5					643.5	644.5	0.545		>5000	0.65			
	644.5	645.5					644.5	645.5	1.120	1.210	>5000	1.52					
	645.5	646.8					644.5	645.5	0.041		746						
		Angular rock fragments up to 2cm across occur in some carbonate veins.	645.5	646.8				645.5	646.8	0.030		410					
		The interval is broken; the run from 642.5m to 643.3m did not catch in core lifter and was dropped down the hole.															
		The contact with the next interval is gradational.															
646.8	653.2	<b>RUPTURED LIMESTONE</b>	648.5	651.5	3.0	100	2.88	96	646.8	647.8	Au ppm	Au ppm	As ppm				
			651.5	654.5	3.0	100	2.73	91	646.8	647.8	0.008	0.007	258				
		As between 604.1m and 636.5m.							647.8	648.8	0.005		178				
									648.8	649.8	<0.005		105				
									649.8	650.8	0.030		264				
		BCA is irregular and contorted and ranges from 10 degrees to 45 degrees and is typically 40 degrees.							650.8	651.8	0.014		167				
		The contact with the next interval is gradational.						651.8	653.2	0.012		143					









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From	To	Description	Recovery				ROD		From	To	1	2	3	4	5	6		
			From	To	m	%	m	%										
974.0	1020.6	Sparse calcite occurs as vuggy, crystalline veinlets and stringers, sparse quartz as veinlets and stringers, and trace pale green silicate? mineral in calcite veinlets between 906m and 910m.  The interval is thinly bedded, beds generally being less than 30cm true thickness. BCA ranges from 70 degrees to 85 degrees and is typically 80 degrees.  The interval has a microfaulted fabric in part.  The interval is broken to very broken generally along bedding, being particularly broken near serpentine bands and longitudinal calcite veinlets.  The contact with the next interval is gradational.	882.2	885.3	3.1	100	1.49	48										
			885.3	888.4	3.1	100	1.97	64										
			888.4	891.5	3.1	100	2.50	81										
			891.5	894.5	3.0	100	1.52	51										
			894.5	897.5	3.0	100	1.59	53										
			897.5	900.5	3.0	100	1.95	65										
			900.5	903.5	3.0	100	1.88	63										
			903.5	906.5	3.0	100	0.91	30										
			906.5	909.5	3.0	100	1.25	42										
			909.5	912.5	3.0	100	1.68	56										
			912.5	915.5	3.0	100	0.83	28										
			915.5	918.5	3.0	100	1.94	65										
			918.5	921.5	3.0	100	1.32	44										
			921.5	924.5	3.0	100	2.43	81										
			924.5	927.5	3.0	100	2.12	71										
		927.5	930.5	3.0	100	1.61	54											
		930.5	933.5	3.0	100	2.32	77											
		933.5	936.5	3.0	100	2.78	93											
		936.5	939.5	3.0	100	2.04	68											
		939.5	942.5	3.0	100	1.89	63											
		942.5	945.5	3.0	100	1.00	33											
		945.5	948.5	3.0	100	2.37	79											
		948.5	951.5	3.0	100	1.52	51											
		951.5	954.5	3.0	100	2.50	83											
		954.5	957.5	3.0	100	2.85	95											
		957.5	960.5	3.0	100	2.03	68											
		960.5	963.5	3.0	100	2.01	67											
		963.5	966.5	3.0	100	2.53	84											
		966.5	969.5	3.0	100	2.69	90											
		969.5	972.5	3.0	100	2.61	87											
972.5	975.5	3.0	100	2.73	91													
		<b>MASSIVE LIMESTONE</b>	975.5	978.5	3.0	100	2.87	96										
		Light to dark grey and green grey massive, hard limestone; this interval lacks the serpentine bands of the previous interval; the interval is	978.5	981.5	3.0	100	2.48	83										
			981.5	984.5	3.0	100	2.82	94										
			984.5	987.5	3.0	100	2.40	80										
			987.5	990.5	3.0	100	2.83	94										
			990.5	993.5	3.0	100	2.23	74										

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From	To	Description	Recovery				RQD		From	To	1	2	3	4	5	6	
			From	To	m	%	m	%									
1020.6	1101.65	fossiliferous in part with fossil fragments aligned along bedding e.g. between 978m and 980m.	993.5	996.5	3.0	100	2.72	91									
			996.5	999.5	3.0	100	2.89	96									
			999.5	1002.5	3.0	100	2.41	80									
			1002.5	1005.5	3.0	100	2.54	85									
			1005.5	1008.5	3.0	100	2.65	88									
			1008.5	1011.5	3.0	100	2.77	92									
			1011.5	1014.5	3.0	100	2.88	96									
			1014.5	1017.5	3.0	100	2.36	79									
			1017.5	1020.5	3.0	100	2.54	85									
				BCA is typically 80 degrees to 90 degrees.													
				The contact with the next interval is gradational; narrow bands of pebbles up to 10cm true thickness, occur occasionally over the last 2m of the interval.													
				<b>PEBBLE CONGLOMERATE QUARTZITE AND QUARTZITE</b>	1020.5	1023.5	3.0	100	2.94	98							
					1023.5	1026.5	3.0	100	2.36	79							
					1026.5	1027.3	0.8	100	0.65	81							
				Grey to black pebble conglomerate quartzite and quartzite; the first two metres of the interval have calcite cement around pebbles; pebbles are less than 4cm across, rounded to sub-rounded, elongate to spherical, and are composed of white quartz and grey and black quartzite; matrix is hard and siliceous.	1027.3	1029.5	2.2	100	1.36	62							
					1029.5	1032.5	3.0	100	1.94	65							
					1032.5	1035.5	3.0	100	1.55	52							
					1035.5	1037.8	2.3	100	1.91	83							
					1037.8	1038.2	0.4	100	0.27	67							
					1038.2	1041.2	3.0	100	1.60	53							
					1041.2	1044.2	3.0	100	1.46	49							
					1044.2	1047.3	3.1	100	1.89	61							
				Pebble bands are abundant between 1020.6m and 1038m and between 1063m and 1101.65m, otherwise pebble quartzite makes up 30% and quartzite 70% of the interval.	1047.3	1050.4	3.1	100	2.16	70							
					1050.4	1053.4	3.0	100	1.91	64							
					1053.4	1056.5	3.1	100	1.38	45							
					1056.5	1059.5	3.0	100	1.75	58							
					1059.5	1062.5	3.0	100	1.69	56							
				Very thin bands of shale, less than 1cm thick are rare.	1062.5	1065.5	3.0	100	2.59	86							
			1065.5	1068.1	2.6	100	1.67	64									
			1068.1	1071.5	3.4	100	1.98	58									
		Black stylolites occur throughout.	1071.5	1074.5	3.0	100	1.92	64									
			1074.5	1077.5	3.0	100	0.98	33									
			1077.5	1080.5	3.0	100	1.37	46									
			1080.5	1083.5	3.0	100	0.44	15									









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			From	To	m	%	m	%								
1201.6	1203.8	<b>QUARTZ VEIN</b>  Milky white quartz vein with minor included shale breccia with sparse calcite (ankerite?) as stringers and veinlets and trace disseminated pyrite.									Au ppm	Au ppm	As ppm	As ppm	As %	
								1201.6	1202.8	<0.005			34.0			
								1202.8	1204.0	<0.005			21.0			
1203.8	1211.6	<b>LAMINATED SILTSTONE AND SHALE</b>  As between 1180.3m and 1201.7m but with a definite folded fabric; BCA ranges from 0 to 80 degrees.  Sparse quartz and calcite occur as stringers and veinlets and common pyrite along bedding becoming abundant over the last metre of the interval.  The contact with the next interval is broken and puggy: fault?	1203.5	1206.5	3.0	100	1.78	59								
			1206.5	1209.5	3.0	100	1.11	37								
			1209.5	1212.5	3.0	100	1.68	56								
1211.6	1228.4	<b>CONGLOMERATE QUARTZITE</b>  White and grey quartzite conglomerate; conglomerate is poorly sorted, pebbles are angular to rounded, ovoid to spherical and up to 4cm across; pebbles have diffuse margins and are white in colour and set in a grey matrix.  This is not like the Cabbage Tree conglomerate and is possibly Blyths Creek conglomerate.  The interval has a microfaulted fabric and the pebbles are cracked and annealed with grey matter (sulphide?).	1212.5	1215.5	3.0	100	2.91	97	1209.7	1210.7	0.067			>50.0	53	
			1215.5	1218.5	3.0	100	2.81	94	1210.7	1211.7	0.269			>50.0	94	
			1218.5	1221.5	3.0	100	2.80	93	1211.7	1212.7	5.230			>50.0	309	
			1221.5	1224.5	3.0	100	2.71	90	1212.7	1213.7	0.132			>50.0	50	
			1224.5	1227.5	3.0	100	2.78	93	1213.7	1214.7	0.057			>50.0	50	
								1214.7	1215.7	0.049			>50.0	54		
								1215.7	1216.7	0.020			31.0			
								1216.7	1217.7	0.010			24.0			
								1217.7	1218.7	0.010			17.0			
								1218.7	1219.7	0.013	0.015		23.0			
								1219.7	1220.7	0.020			31.0			
								1220.7	1221.7	0.011			29.0			
								1221.7	1222.7	0.012			22.0			
								1222.7	1223.7	0.017			>50.0	50		
								1223.7	1224.7	0.009			31.0			
								1224.7	1225.7	0.016			23.0			
								1225.7	1226.7	0.023			29.0			
								1226.7	1227.7	0.015			32.0			
								1227.7	1228.7	0.038			>50.0	50		







