

PROJECT: E.L. 1/62 MT. BLACK - Colebrook Grid LOCALITY: OBJECTIVE: To test co-incident I.P. and Sn soil geochemical anomalies. RESULT: Sn geochemistry is due to weak mineralisation along a fault. The I.P. response is due to pyritic black mudstones.	GRID CO-ORDS: T 394,973.5mE A.M.G. CO-ORDS: 5,370,399mN COLLAR R.L.: 515m COLLAR DIP: -45° AZIMUTH: 090° A.M.G. TOTAL DEPTH: 203.8m	HOLE SIZE: 0-4 tricone; 4-95.5 NQ; 95.5-203.8 BQ CASING: PVC to base of hole COMMENCED: 17.5.84 COMPLETED: 22.5.84 LOGGED BY: I.R. McDonald	Depth (m)	Azimuth (°a.m.g.)	Dip	Depth (m)	Azimuth (°a.m.g.)	Dip
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DEPTH		ROCK DESCRIPTION	MINERALISATION		CORE REC'D	
From	To		Run	Short		
0	4	No core. Tricone bit				
4	4.2	Massive white quartz vein.				
4.2	5.7	Core very broken. Brown oxidised to grey siltstone with thin bands of Sedimentary Breccia; look like turbidite rip-up clasts.			4.0	
5.7	7.4	Brown weathering grey to buff m.g. massive Lithic Wacke.			5.6	0.7
7.4	13.9	Variably oxidised grey and pale green interbedded Mudstone and Lithic Wacke with slump breccia textures. Core broken in places; especially along oxidised and manganese oxide stained joints. Weak bedded 35°			17.7	
13.9	16.0	Red-brown very strongly oxidised fg Mafic Lithic Wacke. Mostly massive but shows weak bedding in places at 25°. Weak cleavage at 10°			21.2	3.0
16.0	37.9	Core very broken. Recovery as fragments only with patches of total washaway Buff to brown variably oxidised and strongly sheared Quartz-Lithic-Wacke, Mudstones, and Breccia. Iron and manganese oxide staining is abundant. Entire section has the appearance of a weathered fault zone.			24.2	2.7
37.9	38.6	Grey Quartz Arenite with slump brecciated interbeds of green Lithic Wacke and buff weathering Mudstone. Weak bedding 40°	Limonite ?after pyrite in vuggy oxidised veinlets about 3%		27.2	2.0
38.6	39.8	Fault Zone? Only 0.4m of broken and crushed core recovered of oxidised brecciated sediment.			31.0	1.0
39.8	42.3	Grey and green slump brecciated Wacke, Siltstone, and Mudstone with a superimposed tectonic brecciation and weak shearing. Cleavage 15° 41.0-41.5 Strong brown limonite staining after oxidised chlorite and sulphides 41.9-42.2 Core broken, strongly oxidised and manganese oxide stained.	Limonite ?after sulphides in vuggy bands and veinlets 5%		34.0	2.5
42.3	42.8	Dark green weakly oxidised mafic Lithic Wacke. 42.6-42.8 Core more oxidised, broken and ferruginous stained with thin quartz veins.	Locally sulphide may have been 10%		35.6	1.45
42.8	43.0	Siliceous Breccia. Very fractured quartz and lithic fragments sit in a very fine grained siliceous (?silicified) and chloritic matrix.			36.2	
43.0	43.5	Dark green chloritic Mudstone/Siltstone 43.1-43.25 Brown strongly oxidised limonite stained vuggy section	Original sulphide content 5%		37.9	0.8
43.5	44.5	Brown strongly oxidised vuggy limonite stained Lithic Wacke and siltstone with rare slump breccia texture.	Original sulphide content about 5%		39.8	1.0
					52.0	
					53.7	0.7
					55.3	
					58.0	1.0
					61.0	1.6
					64.0	
					203.8	

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