

A.M.G.

LOCATION Mt. Black E.L. 1/62 Colebrook Hill Grid
OBJECTIVE To test a zone of co-incident V.L.F., magnetic,
and soil geochemical anomalies.
RESULT No significant tin values were obtained.

Footage Direction Dip.

Footage Direction Dip.
0 m 84° -53°
92m 96° -53°
137m 97° -53°

COLLAR DIP. -55°
DIRECTION 90° A.M.G.
R.L.
COORDINATES

TOTAL DEPTH 137m
HOLE SIZE HQ 3m, NQ 17.8m 8Q
COMMENCED 14.5.'81
COMPLETED 20.5.'81
LOGGED BY I.R. McDonald

METRE		ROCK DESCRIPTION	MINERALISATION		Sample No.	From	To	Core Rec'd	Sample Length	Assay Date per ppm										IE REC'D
FROM	TO		Pb	Zn						Cu	Ag	Mn	Fe%	As	Sr	Sn	SHORT			
0	137.0	BROWN, GREY & GREEN-GREY MASSIVE VOLCANIC LITHIC WACKES & SILTSTONES SHOWING MODERATE HORNFELSING & VARIABLE ALTERATION																		
		100% Core recovery throughout the entire hole.																		
0	8.5	Core fairly broken & weakly oxidised.																		
17.0	17.3	Sedimentary breccia.	17.2m	5mm quartz vein at 50° with 5% cpy stringers	39351	0.0	5.0	5	5	20	120	60	0.5	575	6.5	52	8			
			19.4m	Vuggy quartz vns. at 45° with 2% disseminated cpy	352	5.0	10.0	5	5	10	115	95	0.5	695	7.3	89	X			
					353	10.0	15.0	5	5	10	60	15	X	435	6.7	96	5			
					354	15.0	20.0	5	5	20	215	2300	1.5	980	7.1	170	10			
					355	20.0	25.0	5	5	15	175	630	X	630	6.3	180	10			
					45781	25.0	26.4	1.4	1.4	60	310	195	X	1050	6.6	460	16			
					752*	26.4	26.6	0.4	0.4	265	1100	645	2.0	1550	6.0	200	4			
					753*	26.8	27.35	0.55	0.55	20	170	35	1.0	1550	5.5	100	6			
					754*	27.35	27.60	0.25	0.25	100	430	15	X	1300	6.0	16	4			
					755*	27.60	27.80	0.20	0.20	75	125	560	1.5	1450	2.75	3.5%	X			
					756*	27.80	28.50	0.70	0.70	70	160	190	X	1750	5.0	4200	4			
					757*	28.50	28.90	0.40	0.40	35	205	5	X	1400	5.5	1500	X			
					758	28.90	33.00	4.10	4.10	15	165	155	X	605	5.6	150	14			
					759*	33.00	33.30	0.30	0.30	25	330	95	X	710	4.5%	47	X			
					45760	33.30	36.5	3.2	3.2	10	190	55	0.5	625	6.7	340	2			
					761	36.5	39.8	3.3	3.3	10	115	95	X	760	6.0	100	X			
					762*	39.8	40.0	0.20	0.20	20	105	2500	0.5	505	15.5	520	X			
					763*	40.0	40.5	0.50	0.50	50	365	405	0.5	1150	6.0	650	4			
					764*	40.5	41.4	0.9	0.9	5	155	580	3.0	1600	5.2	3800	6			
					765*	41.4	42.3	0.9	0.9	5	130	1850	1.0	525	10.5	800	16			
					766*	42.3	43.25	0.95	0.95	10	200	475	0.5	2700	10.0	360	40			
					767*	43.25	4.37	0.45	0.45	5	220	5100	2.5	455	16.5	2.8%	15			
					768*	43.7	44.05	0.35	0.35	30	60	575	X	700	6.0	1.0%	X			
					769*	44.05	45.15	1.1	1.1	15	80	1050	0.5	1600	7.0	7000	18			
					45770*	45.15	46.1	0.95	0.95	25	255	200	0.5	2050	5.6	2.5%	20			
					771*	46.1	47.15	1.05	1.05	45	80	1850	1.0	1400	8.9	1950	X			
					772*	47.15	47.9	0.75	0.75	350	875	545	1.0	1600	6.1	450	10			
					773*	47.9	48.9	1.0	1.0	375	1250	315	0.5	2100	6.5	260	16			
					774*	48.9	49.9	1.0	1.0	190	710	565	0.5	2350	8.2	460	18			
					775*	49.9	50.9	1.0	1.0	200	450	730	1.0	2150	7.1	220	12			
					776*	50.9	51.9	1.0	1.0	30	310	535	2.0	2450	6.9	280	104			
					777*	51.9	52.9	1.0	1.0	60	235	265	X	2250	6.7	360	112			
					778*	52.9	53.9	1.0	1.0	25	280	415	X	3350	9.5	570	44			
					779*	53.9	55.0	1.1	1.1	5	215	595	X	2400	10.0	90	26			
21.8	21.85	Patch of pale silicification with quartz vns at 50°	2-3% cg cpy associated with the quartz vns.																	
22.1	22.3	Laminated bedding at 25°. Weak grading & scour textures indicate an up-hole, west facing.																		
24.0	24.1	Silicified weak breccia with blebbt secondary quartz at 40°.																		
25.6	25.8	Pale silicification & quartz vns at 30°.																		
26.4	26.8	Silicification & quartz vns at 30° appear to be associated with a zone of sedimentary breccia	Patchy stringers of Po & Cpy associated with quartz vns. Approx 5% total sulphides.																	
26.8	27.25	Brown fg wacke with weak sedimentary breccia texture.	Traces (<1%) Po + Cpy																	
27.35	28.90	Irregular quartz vns & patches in a zone of silicification and weak hornblende alteration of mainly mg wacke lithology. 27.6-27.8 Most intense quartz vning. Core is 80% quartz vn. 27.8-28.5 Thin (0.5mm) chlorite vns at 55°	27.35-27.60 Trace fg sulphides 27.6-27.8 10% cg Po + Cpy + Asp in quartz vn. 27.8-28.9 2% stringers of Po+Cpy associated with quartz vns and patches																	

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METRE		ROCK DESCRIPTION	MINERALISATION	Sample No.	From	To	Core Rec'd	Sample Length	Assay Data per ppm							DRE REC'D	
FROM	TO								Pb	Zn	Cu	Ag	Mn	Fe%	As	Sb	JN
		28.5-28.9 Quartz veined breccia zone.															
29.5	29.7	Breccia zone. Grading in a m-cg waste block suggests down-hole east facing but it may be a disturbed block.		45780*	55.0	55.9	0.9	0.9	10	230	570	X	2450	10.5	85	12	
				781*	55.9	56.9	1.0	1.0	30	155	415	X	2450	8.5	2900	36	
				782*	56.9	57.4	0.5	0.5	15	135	1300	0.5	2700	8.5	160	20	
				783	57.4	61.9	4.5	4.5	45	255	250	1.0	1200	8.6	450	58	
				784*	61.9	62.35	0.45	0.45	80	245	1100	X	2400	9.5	1200	62	
				785*	62.35	63.25	0.9	0.9	40	200	340	X	1750	8.0	320	24	
				786*	63.25	63.85	0.6	0.6	45	185	1450	1.0	1250	9.0	2300	24	
30.45	30.85	Zone of silicification, quartz vns, minor carbonate and minor hornblende recrystallisation with some breccia textures which are probably original sedimentary breccia.		787*	63.85	64.95	1.1	1.1	45	205	480	0.5	2050	9.4	930	20	
				788	64.95	67.95	3.0	3.0	35	265	300	X	1600	7.5	120	X	
				789	67.95	69.95	2.0	2.0	10	255	10	X	1550	6.6	160	X	
				45790	69.85	74.3	4.35	4.35	45	245	10	X	1550	7.3	190	X	
				791*	74.30	75.0	0.7	0.7	25	220	400	X	3000	8.2	1100	10	
				792*	75.0	75.9	0.9	0.9	20	185	1650	0.5	2450	10.0	5900	14	
32.0	32.5	Irregular quartz vnlets with minor carbonate.	32.0-32.5	793*	75.9	76.9	1.0	1.0	70	215	2150	1.0	1650	14.0	2.3%	X	
				794	76.9	80.0	3.1	3.1	55	230	670	1.5	1550	9.1	230	X	
				39367	80.0	85.0	5.0	5.0	20	185	1300	1.0	950	10.6	510	8	
33.0	33.3	Quartz veins at 10° in a zone of silicification.	33-33.3	368	85.0	90.0	5.0	5.0	10	70	125	X	640	10.2	80	8	
				369	90.0	95.0	5.0	5.0	20	85	125	X	730	8.8	400	12	
				39370	95.0	100.0	5.0	5.0	15	50	70	X	440	8.7	50	8	
			33.3-37.8	371	100.0	105.0	5.0	5.0	15	105	1500	1.0	720	9.2	1000	8	
				372	105.0	110.0	5.0	5.0	5	100	1150	1.0	640	9.6	650	8	
				373	110.0	115.0	5.0	5.0	25	60	45	X	535	7.1	70	X	
				374	115.0	120.0	5.0	5.0	10	100	1350	0.5	600	7.0	40	8	
				375	120.0	125.0	5.0	5.0	10	50	240	X	355	8.3	50	8	
34.1	34.35	Pale silicification with thin quartz veins		376	125.0	130.0	5.0	5.0	10	95	550	0.5	565	7.6	70	X	
34.5	34.85	" " " " " "		377	130.0	135.0	5.0	5.0	10	75	160	X	615	7.4	50	8	
				378	135.0	137.0	2.0	2.0	10	75	880	X	680	9.6	190	12	
35.4	35.5	Zone of silicification trending 45°															
35.8	35.85	Pale silicification & chlorite veinlets trending 60°.															
			37.8														
			45mm wide vein of Py + Po + Cpy														
			37.8-39.8														
			Rare Cpy + Po on joint faces.														
39.5	39.8	Weak bedding at 25°															
39.8	40.0	Quartz-sulphide-chlorite veins at 35°	39.8-40														
			10% Po, Cpy, Py in quartz veins.														
40.3	57.95	Zone of variably developed silicification hornblende-chlorite alteration, quartz veining & mineralisation. Alteration and mineralisation appears to slightly favour the coarser grained rocks but not exclusively so. Core angles are variable but most are at about 50°	40-40.5														
			Less than 1% sulphides as fine disseminations														

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METRE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D		
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT	
	40.5-40.9	Grey & green-grey brecciated wacke with quartz vns	40.5-41.4	2-3% Po with minor Asp & Cpy as stringers and fine vns.													
	40.9-42.1	Dark grey-green brecciated, chloritised siltstone & wacke with quartz-carbonate vns & clots & patchy hornblendisation	41.4-42.3	5-7% coarse irregular vns of Po with minor Cpy & Asp. Vns range from subparallel to 75°.													
	42.1-42.6	Green tuffaceous wacke with strong chlorite-hornblende-tourmaline alteration	42.3-43.25	3% total sulphides as erratic vns & stringers of Po assoc with silica-chlorite-hornblende alteration. Up to 10% sulphides 42.75-42.90.													
	42.6-43.25	Dark grey-brown massive ?hornfelsed fg wacke & siltstone with weak bedding at 40°.															
	43.25-43.7	Strongly mineralised, strongly altered, brecciated, silicified and quartz vned sediments.	43.25-43.7	50% Po, Py, Cpy, Asp. as vns to near massive sulphide. Vns mostly subparallel to core.													
	43.7-44.05	Dark grey-green weakly silicified massive fg wacke and siltstone.	43.7-46.1	2-5% fine veins and stringers of Po.													
	44.05-46.1	Green grey and brown fg wacke with variable chlorite-hornblende alteration and sporadic silicification and quartz vning.															
	46.1-47.15	Grey m-cg massive tuffaceous wacke with weak silica-chlorite-hornblende-tourmaline alteration throughout.	46.1-46.3	10% irregular vns & stringers of Po associated with silicification & quartz vns.													
			46.3-47.15	5% vns & stringers of Po & Asp													
			46.7	15mm vn of massive Asp at 75°													
	47.15-47.9	Brown massive fg hornfelsed siltstone	47.15-52.8	2-3% total suls as thin vns & stringers & minor disseminations													

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METRE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D		
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT	
		47.9-50.9 Brown massive fg hornfelsed siltstone & wacke with irregular bands of grey-green silicification and chlorite-hornblende alteration. This appears to follow coarser grained bands or bands showing some brecciation.	of Po. In patches sulphides total up to 5%														
		50.9-51.35 Brown massive fg hornfelsed siltstone.															
		51.35-52.25 Grey-green f-mg hornfelsed volcanic wacke. Moderately silicified from 52.1-52.25.															
		52.25-52.5 Brown massive fg volcanic wacke															
		52.5-54.8 Interbanded brown massive fg wacke and green chloritised & quartz-carbonate vned wacke	52.8-52.9 10% Po in bands at 55 associated with silicification & thin quartz vns.														
			52.9-55.0 1% Po as rare fine vns and stringers.														
		54.8-57.4 Green strongly chlorite-hornblende altered, weakly silicified & carbonated volcanic wacke.	55.0-55.9 5% Po and minor Cpy at stringers blebs and veins.														
			55.9-56.9 Variable 0-5% Po & Asp, veins & stringers Average 2%														
			56.9-57.4 2-5% Po vns, stringers & weak disseminations														
		57.4-57.95 Interbanded brown fg wacke & green chloritised & quartz-carbonate veined wacke.	57.4-61.9 1% Po associated with quartz veins.														
57.95	61.7	Brown f-mg massive volcanic wacke with narrow bands of alteration.															
		58.35-58.5 Grey-green silicified & chlorite-hornblende altered wacke.															
		59.65-59.85 " "															
		60.05-60.2 Grey m-og tuffaceous wacke with strong hornblende recrystallisation															
		60.6-60.75 Grey-green silicified fg wacke															
		61.2-61.25 Silicification & quartz vns at 60															

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798325

METRE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA						CORE REC'D		
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT
61.7	63.25	Interbanded grey-green silicified, chlorite-hornblende-tourmaline altered wacke, and brown f-mg massive hornfelsed volcanic wacke.	61.9-62.35 5% Po in irregular vns & stringers associated with quartz vns 62.35-62.7 Less than 1% Sulphides 62.7-62.8 10% Po + Cpy associated with quartz tourmaline alteration 62.8-63.25 1% Po as fine vns and stringers													
63.25	64.95	Grey-green & brown silicified & strongly chlorite-hornblende-tourmaline altered volcanic wacke.	63.25-63.85 5-7% Po as irregular vns & stringers 63.85-64.95 2% Po as irregularly scattered fine vns.													
64.95	69.00	Brown f-mg massive hornfelsed volcanic wacke with patches of grey-green chlorite-hornblende-carbonate alteration. 65.55-65.8 Altered silicified zone. 67.3-67.5 Grey-green altered tuffaceous wacke. 67.75-67.95 " " " " "	64.95-74.3 1% Po as irregularly scattered fine vns & coatings on joint surfaces.													
69	69.6	Green-grey mg tuffaceous wacke with strong chlorite-hornblende-carbonate alteration.														
69.6	69.95	Grey-brown massive fg siltstone.														
69.95	74.3	Brown-green & grey mg massive volcanic chlorite-hornblende-carbonate alteration.														
74.3	76.9	Grey-green strongly chlorite-hornblende-tourmaline altered & silicified wacke. Coarse alteration banding at 55°.	74.3-75 2% Po as vns and stringers 75-76.9 5-10% Po with Py & Cpy as irregular vns & stringers.													
76.9	78.8	Interbanded grey-brown fg massive wacke & siltstone & green-grey altered & brecciated wacke. 77.3-77.4 Altered breccia zone 78.25-78.4 Alteration zone	76.9-80 1-2% Po in fine vns & stringers 77.3-77.4 5% Po+Cpy as vns 78.25-78.4 5% Po+Cpy as blebs & stringers													

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FOOTAGE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D		
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT	
78.8	95.5	Dark green-grey massive f-mg volcanic wacke & interbedded dark grey fg siltstone. Generally moderately hornfelsed but largely unaltered.	30.8 80.8-95.5	20mm vn of Po with minor Cpy at 55° Less than 1% suls as rare fine vns of Po.													
95.5	96.1	Pale green to grey silicified breccia zone with chlorite-hornblende alteration and quartz-carbonate vning.	95.5-96.1	2-5% Po and Cpy as stringers & irregular blebs.													
96.1	118.6	Dark grey-green to brown massive fg hornfelsed wacke and siltstone. 102.1-102.75 Irregular quartz vns & weak breccia 104-109 Scattered quartz vns, 0.5-5mm wide, mostly less than 2mm at variable angles but mainly 30° 114-114.7 Grading in a tuffaceous wacke indicates up-hole west facings	96.1-102.1 102.1-102.3 102.3-108.2 108.2-157 115.3-115.35	>1% sulphides as rare fine vn of Po. 10% Cpy & Asp blebs & stringers associated with quartz vns. 1% sulphides in scattered quartz vns containing cg Po & Cpy. Also minor sulphides coatings on joint surfaces. Sulphides much less than 1% as rare fine veinlets of Po. 50% Po+Py+Cpy in a quartz vein at 50°													
118.6	121.4	Pale green grey m-cg tuffaceous wacke, weakly hornfelsed & carbonated.															
121.4	137 EDH	Grey-brown massive hornfelsed fg wacke & siltstone with minor bands of green-grey mg volcanic wacke.															

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