

058784

LOCATION	Mt. Black E.L. 1/62 - Murchison River Grid	Depth (m)	Direction	Dip.	Depth (m)	Direction	Dip.	COLLAR DIP.	-60°	TOTAL DEPTH	293.5m
OBJECTIVE	To test E.I.P. gradient array chargeability anomaly under glacial cover and to intersect the contact with the Farrell Slates	49	90°	-54.5°				DIRECTION	90° AMG 170.0m	HOLE SIZE HQ	15m; NQ 49m; BQ and
RESULT	Intermediate volcanics overlie the Farrell Slates with a fault contact. Mineralised sediments occur on the fault contact.	143	89°	-43°				R.L.		COMMENCED	12th November, 1979
		200.5	90°	-37°				COORDINATES	375,300N/384,510E	COMPLETED	19th December, 1979
		293.5	96°	-25°				A.M.G.	5,375,330.6N 384,424.4E	LOGGED BY	I.R. McDonald

DEPTH (m)		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA per ppm unless specified									
FROM	TO							Sample Length	Pb	Zn	Cu	Ag-g/t	Au-g/t	Fe%	Mn	Sn	Sample type
0	14.4	Glacial sediments, pebbles & boulders of quartzite (?pre-Cambrian); Mt. Read Volcanics & Mafic Intrusives						Sn assays	are by	A.A.S.	unless prefixed	by px	or fx				
								px assays	are by	pressed powder XRF							
								fx assays	are by	fusion XRF							
14.4	16.85	Grn to gry f-mg and m-cg porphyritic lithic vitric crystal intermediate tuff with feldspar phenocrysts & chloritised matrix. Ignimbrite texture is indicated by bands of alternating grain size; bands 200-500mm wide, 15.5-16m Pink feldspars, possible albitisation		31905	15	20	5.0	5.0	25	200	5	0.5	8.3	2250	70 chip		
				906	20	25	5.0	5.0	10	140	5	0.3	6.25	1850	16 "		
				907	25	30	5.0	5.0	30	130	5	0.1	5.25	1300	5 "		
				908	30	35	5.0	5.0	10	140	x	x	5.75	1600	2 "		
				909	35	40	5.0	5.0	5	165	x	0.3	6.45	1550	1 "		
				31910	40	43.3	3.30	3.30	5	180	5	0.2	6.30	1800	x "		
16.85	18.6	Grn fg massive crystal vitric intermediate tuff, strongly chloritised with minor feldspar phenocrysts, contacts gradational		911	43.3	43.8	0.5	0.5	55	245	40	1.0	10.0	1950	56 split		
				912	43.8	44.45	0.65	0.65	125	280	80	1.0	7.70	2500	6 "		
				913	44.45	44.75	0.30	0.30	15	165	20	x	0.10	10.00	1900	70 "	
				914	44.75	45	0.13	0.25	55	170	35	1.5	0.10	13.5	2000	fx 1150 "	
18.6	19.4	Gry-grn f-mg porphyritic crystal vitric intermediate tuff; possible ashflow with feldspar phenocrysts & chloritised matrix	18.7 Irregular Qtz vn with 5% cg pyrite.	915	45	45.3	0.3	0.3	505	180	250	5.5	19.5	1500	fx 450 "		
		18.8-18.95 Weak breccia with Qtz-carb vns & chl clots	19.1 Qtz-carb vn 10mm thick, 50° to core with 5% cg py	916	45.3	45.5	0.16	0.2	435	295	615	5.0	16.5	290	fx 740 "		
		19.1-19.4 Weak foliation at 40°		917	45.5	46.35	0.85	0.85	40	200	160	x	0.05	12.5	2350	fx 380 "	
				918	46.35	46.85	0.5	0.5	35	120	115	0.5	7.8	1350	fx 300 "		
				919	46.85	49.1	2.25	2.25	80	355	5	0.30	5.35	1900	px 395 chip		
				31920	49.1	49.8	0.7	0.7	110	230	30	x	4.3	2050	2 split		
				921	49.8	55	5.2	5.2	35	140	x	0.1	3.8	1300	6 chip		
19.4	21.5	Gry-grn fg massive crystal vitric intermediate tuff with feldspar phenocrysts & chloritised matrix. Weak Qtz-carb vns. Lower contact diffuse ~30°	21.45 Qtz carb vn 5mm thick at 60°. Approx 2% fg diss py around the vein	922	55	60	5.0	5.0	30	160	5	0.5	4.3	2250	20 "		
				923	60	65	5.0	5.0	45	150	x	0.3	4.5	2300	2 "		
				924	65	70	5.0	5.0	x	85	10	0.1	3.05	1000	10 "		
				925	70	75	5.0	5.0	5	80	x	0.1	3.1	1050	2 "		
				926	75	80	5.0	5.0	100	165	10	1.2	5.10	1750	16 "		
21.5	23.45	Grn gry mg porphyritic vitric crystal intermediate tuff with feldspar phenocrysts & chloritised matrix. Thin carb vns. Lower contact diffuse about 25°.	21.5-23.45 Rare diss py <1% mainly assoc with veins	927	80	85	5.0	5.0	240	170	x	0.3	3.15	1600	10 "		
				928	85	87.35	2.35	2.35	340	300	10	0.2	4.0	1950	11 "		
				31985	87.35	88.2	0.8	0.85	165	40	40	x	2.95	1500	20 split		
				31986	88.2	89.1	0.7	0.9	80	125	10	x	1.35	900	x "		
				987	89.1	90	0.9	0.9	80	105	30	0.5	0.90	510	x "		
23.45	23.65	Grn fg massive vitric intermediate tuff. Chloritised with very cg carb rhombs. Moderate to strong foliation 35° Limonite staining on foliation surfaces. Lower contact gradational	23.45-23.65 Minor diss py <1%	988	90	90.35	0.35	0.35	45	155	5	x	2.65	300	x "		
				989	90.35	90.80	0.4	0.45	10	100	5	x	1.85	715	x "		
				31990	90.8	91	0.2	0.2	145	165	5	0.5	2.0	655	x "		
				991	91	91.6	0.6	0.6	140	105	5	x	1.7	500	x "		
				992	91.6	92.6	1.0	1.0	10	65	x	1.0	2.0	1200	x "		
				993	92.6	93.7	1.1	1.1	5	125	5	x	0.15	3.80	1200	x "	