

LOCATION Mt. Black E.L. 1/62 - Dobsons Creek Grid
OBJECTIVE To test a coincident gradient array I.P. anomaly and Pb-Zn soil geochemical anomaly.
RESULT I.P. anomaly is due to pyritic, carbonaceous shale. Geochemistry due to weak sulphides in carbonate veins on a fault plane.

TOTAL DEPTH 161.4m
HOLE SIZE 0-30m NQ; 30-161.4m BQ
COMMENCED 22.2.'82
COMPLETED 20.3.'82
LOGGED BY I.R. McDonald

03			02		
8-12 Depth	13-16 Direction	17-18-21 Dip.	8-12 Depth	13-16 Direction	17-18-21 Dip.
35m	320°	-46°) A.M.G.		
77m	324°	-46.5°			
119m	327.5°	-46°			
161m	331°	-44°			

ORE DIP. (8-11)
COLLAR DIP. (12-15) -45°
DIRECTION (16-19) 322° AMG
R.L. (20-23) 732m
CO-ORDS. Grid 8,530S 2,455E
LOCATION 5,363,466N 376,244E

Depth(m)		ROCK DESCRIPTION	MINERALISATION	04 ASSAY DATA										CORE REC'D		
FROM	TO			SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	Sample Length	20-25 Cu	26-31 Pb	32-37 Zn	38-43 Ag	44-49 Fe%	50-55 Mn	RUN	SHORT
0	3.30	No core recovery	0-26 Limonite staining on joints No sulphide textures.											4.3	3.3	
3.30	5.00	Grey weakly thin bedded siltstone and minor fine grained volcanicalstic wacke. Bedding at 55° mostly 3.3-4.1m. Variable oxidation outlines possible ?slump breccia texture 4.1 to 5.0m. Cleavage weak; moderate in more shaley fragments at 35°. Core moderately broken.	26.0m is approximate base of weak oxidation	45614G	0	5	1.60	5.0	150	595	1400	2.0	5.15	580	5.17	0.1
				615	5.0	5.85	0.85	0.85	140	180	770	0.5	5.50	990	5.5	6.0
				616	5.85	6.80	0.95	0.95	115	195	650	0.5	5.75	715	7.1	
				617	6.80	8.60	1.65	1.80	75	115	560	1.0	4.75	850	8.1	0.15
				618	8.60	10.40	1.80	1.80	105	65	390	0.5	5.95	835	9.2	
				619	10.40	13.10	2.70	2.70	110	150	515	0.5	5.15	975	10.7	
				45620	13.10	17.80	4.70	4.70	85	90	420	0.5	5.60	820	11.4	
				621	17.80	22.0	4.20	4.20	100	75	375	X	5.70	590	12.0	
5.00	5.85	Grey medium grained reworked lithic, crystal tuff of Acid composition with abundant 0.5mm chloritic shale fragments. Bedding absent. Moderate to strong jointing at 15° & 30°.		622	22.0	25.0	3.0	3.0	105	135	480	0.5	5.90	600	12.15	
				623	25.0	28.0	3.0	3.0	100	155	525	1.0	5.60	765	12.75	
				624	28.0	30.45	2.10	2.45	80	30	440	X	5.30	1500	13.45	
				625	30.45	34.0	3.55	3.55	80	185	700	1.0	4.80	910	14.4	
				626	34.0	37.0	3.0	3.0	90	205	540	0.5	4.95	950	16.5	
				627	37.0	40.30	3.30	3.30	70	70	280	0.5	5.05	940	18.0	
5.85	6.80	Dark grey massive Siltstone. Oxidation along joint sets gives core a blocky brecciated appearance.		628	40.30	42.90	2.60	2.60	80	35	150	0.5	5.50	650	19.35	
				629	42.90	46.80	3.90	3.90	95	30	220	0.5	5.30	890	20.25	
				45630	46.80	49.10	2.20	2.30	120	40	410	0.5	5.40	970	20.7	
				631	49.10	52.80	3.70	3.70	100	285	620	1.0	5.50	970	22.15	
6.80	8.60	Pale greenish buff, moderately oxidised, medium grained, reworked, lithic, crystal acid tuff, with rolled quartz and feldspar phenocrysts and chloritic shale liths. Contains thin (20mm) interbeds ?or large fragments of grey Siltstone. ?Bedding at 50°		632	52.80	54.30	1.50	1.50	80	2350	2350	2.0	4.80	925	23.1	
				633	54.30	57.0	2.70	2.70	90	2050	2350	3.0	2.80	760	24.0	
				634G	57.0	60.0	3.0	3.0	75	190	320	1.0	2.90	660	25.75	
				45635S	60.0	61.0	1.0	1.0	70	390	1200	1.0	3.70	1400	26.55	
				636	61.0	62.0	1.0	1.0	110	335	735	0.5	2.75	770	27.25	
				637	62.0	62.80	0.80	0.80	65	70	170	1.0	3.50	575	30.00	0.35
				638	62.80	63.10	0.30	0.30	60	20	150	x	3.50	680	30.7	
				639	63.10	63.40	0.30	0.30	60	15	65	x	3.50	680	33.1	
8.60	10.4	Zone of moderately broken core. Strong jointing at 10° and 40°. ?Interbedded grey siltstone and fine grained reworked acid tuff as per above.		640	63.40	64.0	0.60	0.60	70	85	160	1.0	3.45	725	36.25	
				641	64.0	65.0	1.0	1.0	95	135	100	1.5	2.6	550	39.1	
				642	65.0	66.0	1.0	1.0	100	80	105	1.5	3.25	1350	39.8	
				643	66.0	67.0	1.0	1.0	115	393	700	1.0	2.90	690	41.35	
10.4	13.1	Dominantly medium grained reworked lithic crystal tuff as above with minor siltstone ?interbeds. Weak grading in the tuff suggests up-hole (ie east) facing. Strong jointing still prominent. Sharp lower contact at 45°		644	67.0	67.70	0.30	0.70	110	1.45%	2.20%	11.0	2.60	800	41.95	
														44.30		
														46.60		
														47.45		
														48.8		
														49.65	0.1	
														52.75		

