



Project: Mt Read **Location:** West Tasmania **Tenement:** EL47/2003

Prospect: New North Farrell **Location Descriptor:** Same pad as FDD01 – 150m north of Vanderfeen House off Innes Tk.

Hole ID: FDD02

Total Depth: 343	Drill Type: Diamond	Dip: -82	Drilling Contractor: Boart Longyear
MGA_East: 385796	Start Date: 03-Oct-05	UTM Az: 90	Rig: LY38
MGA_North: 5379551	End Date: 26-Oct-05	Mag Az: 103	Core Size: NQ
Local East: 9040	RL: 191m	Logged by: A.Habets	Driller: J.Kaye
Local North: 10852	Grid: AMG66	Designed by: A.Habets	Other: Wedge hole

Objective & Results: Test ore lode below level 10 to avoid workings and examine continuity of FDD01. Intersected a minor ore shoots. No substantial width intersected at this line. Possibly missed a vauge block outlined by EZ data. Puggy nature of ore is a difficult factor to overcome.

Analytical Results											
depth from (m)	depth to (m)	Sample Type	Interval	SampleID	Au ppm	Ag ppm	Pb ppm	Cu ppm	Zn ppm	Fe %	BatchNo
286.70	287.50	0.5NQ		133851	0.02	-1	10	20	40	5.32	EL47-007
287.50	288.50	0.5NQ		133852	0.1	4	60	30	70	8.69	EL47-007
288.50	289.40	0.5NQ		133853	0.05	6	110	50	60	7.7	EL47-007
289.40	290.25	0.25NQ		133854	0.07	7	110	50	70	7.01	EL47-007
290.25	291.15	0.5NQ		133855	0.08	6	100	40	80	5.05	EL47-007
291.15	292.10	0.5NQ		133857	0.06	4	60	30	50	3.11	EL47-007
292.10	292.80	0.5NQ		133858	0.05	3	40	20	50	3.51	EL47-007
292.80	293.60	0.5NQ		133859	0.04	1	30	10	30	3.22	EL47-007
293.60	294.50	0.5NQ		133860	0.03	3	40	20	50	5.77	EL47-007
294.50	295.40	0.5NQ		133861	-0.01	1	10	50	40	5	EL47-007
295.50	296.30	0.5NQ		133862	-0.01	1	230	80	280	3.56	EL47-007
296.30	297.30	0.5NQ		133863	-0.01	-1	170	20	190	4.35	EL47-007
297.30	298.50	0.5NQ		133864	-0.01	-1	-10	-10	30	3.27	EL47-007
305.65	306.45	0.5NQ		133865	-0.01	1	30	10	40	6	EL47-007
306.46	307.50	0.5NQ		133866	-0.01	2	40	10	60	7.14	EL47-007
307.50	308.38	0.5NQ		133867	-0.01	1	30	10	100	7.05	EL47-007

312.55	313.50	0.5NQ		133868	-0.01	1	170	20	70	6.22	EL47-007
313.50	314.35	0.5NQ		133869	-0.01	29	21500	220	7090	7.39	EL47-007
314.35	315.25	0.5NQ		133870	-0.01	12	4320	180	930	8.63	EL47-007
315.25	315.80	0.5NQ		133871	-0.01	15	6960	130	330	11.3	EL47-007
315.80	316.70	0.5NQ		133872	0.04	9	1570	620	1930	9.36	EL47-007
316.70	317.55	0.25NQ		133873	0.02	23	8130	1070	460	6.51	EL47-007
317.55	318.55	0.5NQ		133874	0.03	10	3510	200	2930	7.08	EL47-007
318.55	320.20	0.5NQ		133875	0.02	4	1180	120	1130	7.02	EL47-007
320.20	321.00	0.5NQ		133876	0.02	61	41900	250	28300	8.61	EL47-007
321.00	322.40	0.5NQ		133877	-0.01	8	8050	60	2530	5.68	EL47-007

Geology Logging

depth from (m)	depth to (m)	Description	Mineralisation
0.00	6.00	Gravel + scree incl boulders of Owen Congl, CVC & Qzte. Clay zone 5.90 - 6.00m	
6.00	12.00	Grn - Gry mg-cg andesite lava, chloritised matrix. Thin 5mm clay filled fault zone at 9.6m	Vf vlts of py throughout <<1%
12.00	27.40	Vf gry-grn andesite. Qv at 12.0 - 12.15m, chloritised. Low angle foliation.	Py + dissem gal, up to 2mm in a chlor Qv.
27.40	62.80	Mg-cg grn-gry andesitic lava. Signif Q-carb veins at: 34.7m (50mm), 35.4m (150mm), 36.0m (200mm), 37.1m (300mm), 48.5m (200mm), 48.1m (400mm). Becoming lt brn-buff 48.6-53.6m. Core highly broken at 51.0 - 52.5m	Gal + tr py on cleavage surfaces 50.90m, up to 20%
62.80	85.20	Fg - aphanitic massive lava, Lt br-or/br, chloritic in parts with varying silicification. Low angle micro stress fracturing throughout (possible flow banding - eutaxitic in parts). Qv 79.85m - 200mm	Rare tr of sphal seen
85.20	118.50	Fg lava (andesite). Chlor 85.2 - 88.0m. Eutaxitic in parts with felsic (?) cream autoliths 90.90 - 99.80m. Variable silicification throughout. Bands of aphanitic flows. System of narrow 2mm Qvltts 20° to core at 107.5 - 118.5m	Tr vf vlts of py + sphal 100.1 - 102.1m <<1%
118.50	142.10	Mg-cg andesite, grn-gry chloritised in parts, altered brn-or 118.5-119.30m. Coarse feldspars to 10mm, occasional fg lava interbeds. Clean Qvs at: 124.7 (100mm), 129.25 (150mm), 131.9 (350mm), 133.2 (350mm), 134.2 (100mm), 134.55 (200mm), 136.20	Rare dissem py throughout

		(150mm), 136.5 (150mm), 137.55 (350mm), 138.8 (150mm), 140.3 (350mm)	
142.10	203.80	Fg (aphanitic in parts) lava, eutaxitic 85°/145°, grn-gry. Cream-pink, vitric 151.9 - 154.4m, 173.5 - 175.5m, 178.7 - 203.8m. Fracture zone 157.1 - 157.25m. Sericitic 180.5 - 181.2m	
203.80	211.30	Mg lava grn-gry showing flow banding and becoming tuffaceous 205.70m. Brecciated and altered 211.0 - 211.30m	
211.30	223.10	Bedded mixture of lava & fine shale interbeds. Blk-gry, showing polished cleavage surfaces. Massive clean Q (with Q-carb) 218.95 - 200.0m	
223.10	223.80	Fault Zone Blk clay pug with brecciated Q & shales to slates.	Vf disseminated py in clay pug <<1%
223.80	287.80	Blk shales and slates of the FGS. Well bedded, graphitic with cleavage parallel to bedding. Vf 'wispy' carbonate vltts throughout. LOST CORE 0.7m at 228.1 - 229.4m Qv: 234.8 (200mm) & 235.3m (250mm) Well polished cleavage surfaces at 256.70m FRACTURE gravel zone 262.60m (100mm) Bedding 271.1m 090°/55°. Minor interbed of sandstone 276.1 - 276.9m. Possible hydrothermal altered zone 276.8 - 276.9m. Bedding & cleavage steepen at 283m to sub parallel to core	Py in carbonate vltts + disseminated throughout <<1% py blebs up to 5mm at 238.7 - 239.0m. Green mineral coating on cleavage 247.4m (fuschite?) V minor tr of sul (py) development to 2% at 276.0 - 276.9m 282.90 - 283.5m py in kink folds, vltts & blebs <2%
287.80	289.00	Zone of carbonisation. Hydrothermal infill (yellow-cream) of Q-carbonite matrix with polished shales/slates. Clay zone (black and possibly metallic) 288.40m	py cubes disseminated & in vltts up to 5% in parts. Clay zone shows possible Pb replacement in slate.
289.00	293.40	Blk shale, well bedded with mild kink folding	py disseminated & vf vltts throughout
293.40	300.90	Blk shale with sandstone interbeds. Intense Q-carbonate hydrothermal infill at: 295.0 - 295.3m & 296.9 - 297.25m. Qv: 299.2m (300mm), 299.8m (200mm), 300.2 (100mm)	Disseminated py throughout. Py vltts in Q-carb, no sulphides seen.
300.90	305.30	Black shales with silt/sandstone interbeds	
305.30	323.10	Blk shale with f Q-carb hydrothermal infill, yellow-cream. Polished surfaces becoming intense at 313.6m. LOST CORE 0.4m between 318.7 - 319.7m. Clay zone, blk with Q frags (<i>footwall pug zone</i>). Qv 319.7 - 320.2m. Broken core 320.8 - 322.3 with a black clay pug zone at 322.25m. Clean Qv 322.90m (200mm).	ORE ZONE: py vltts & disseminated throughout, up to 5%. Gal in vltts within Q-carb infill + disseminated at 314.2m. Bleb gal to 10mm at 315.3m & 315.8, vltts gal 5mm at 315.65m. 316.25m py vltts up to 7mm with galena. 316.55 sphal vltts up to 3mm over 60mm of core - 50% gal. 320.20m f amalgamation of gal vltts over 60mm - 50% gal. 320.60m solitary bedded sph vltt 30mm in Q-carb. 320.75 solitary bedded sph vltt 5mm
323.10	367.70	Gry bedded massive and continuous tuff with mafic 1mm bands. SEE PETROLOGY REPORT 133913: It is interpreted that the sample represents a former porphyritic felsic volcanic rock (e.g. tuff) or derived clastic sedimentary rock (epiclastic with relict quartz and plagioclase grains) that has undergone rather strong deformation and	V rare tr disseminated py throughout. PETROLOGY REPORT 133913: Approximate modal proportions are: sericite 40%, quartz 30%, albite 20%, carbonate (dolomite) 5%, chlorite 3%, pyrite 1% and traces of rutile, zircon, sphalerite and galena.

Survey						
depth (m)	Dip	UTM Azimuth	Mag Azimuth	Instrument	Operator	DateRead
0	-82.00	90.00	103		J. Kaye	3-Oct
25	-82.00	93.00	106	Multit-shot	J. Kaye	4-Oct
50	-82.75	96.00	109	Multit-shot	J. Kaye	5-Oct
75	-81.75	82.00	95	Multit-shot	J. Kaye	6-Oct
100	-80.75	80.00	93	Multit-shot	J. Kaye	10-Oct
120	-80.00	74.00	87	Multi-shot	J. Kaye	11-Oct
140	-78.50	68.00	81	Multi-shot	J. Kaye	12-Oct
160	-78.00	68.00	81	Multi-shot	J. Kaye	13-Oct
180	-76.75	66.00	79	Multi-shot	J. Kaye	17-Oct
205	-74.00	63.00	76	Multi-shot	J. Kaye	18-Oct
235	-73.50	61.00	74	Multi-shot	J. Kaye	19-Oct
262	-73.50	61.00	74	Multi-shot	J. Kaye	21-Oct
286	-68.80	60.00	73	Multi-shot	J. Kaye	24-Oct
310	-65.00	60.00	73	Multi-shot	J. Kaye	25-Oct
343	-61.00	74.00	61	Multi-shot	J. Kaye	26-Oct

Significant Intersections			
depth from (m)	depth to (m)	m	Ag g/t
287.50	296.30	8.80	3.6
305.65	308.38	2.73	1.4
312.55	322.40	9.85	15.1

depth from (m)	depth to (m)	m	Pb %	Cu ppm	Fe %
313.50	314.35	0.85	2.15	220	7.39
313.5	315.8	2.3	1.1	176.7	9.1
320.2	322.4	2.2	2.0	133.3	6.8