

Greatland Pty Ltd

[illegible]

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Hole			FTD034			Geological Log															massive															
Project			Fire Tower			East			448208			Azimuth 180 degrees						Drilled By			Edrill			hatch			pervasive			Logged by						
Prospect			Fire Tower East			North			5405278			Inclination -60 degrees						Drill Type			UDR200LS			stipple			disseminated			A. Jones						
Grid			AGD66			RL			532			Total Depth 167m						Drill Date			Sept-Oct 2009			swiggle			narrow vein									
						Proj.			AMG																											
									0.062			0.25			1			4			16															
row	From	To	Colour Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description										Sil.	Ser.	Py	CO3		V	S	P	Vein Qtz %	Mineralization Assemblage			%	V	S	P	Au	
127	126	127	FR	fractured		S ₀ 50°			125.8-127.1m shale/black shale interbedded with fg sandstone																		0.5% qzcb	py clasts & blebs			tr					
128	127	128	FR	massive			v o		127.1-129.75m pale green mod sorted volcaniclastic sandstone with occasional black shale clasts. 0.5-1% disseminated pyrite-galena-sphalerite on fractures!																			py + gn + sp on fractures			0.5					
129	128	129				S ₁ 50°	v o																													
130	129	130					o v																													
131	130	131	FR	fractured	massive				129.75-133.15m pyritic black shale with stringer and blebby pyrite. Unit massive but core fractured with minor lithic sst clasts. 2cm pyrite vein @ 131.0m																	0.5% qzcb	py diss & veinlets			1						
132	131	132																																		
133	132	133																																		
134	133	134	FR						133.15-136.75m green-grey mudstone-shale with possible sub-volcanic fingers of rhyolite? Disrupted and altered. Pyrite-galena-sphalerite on fracture surfaces.																			diss py			1%					
135	134	135																											gn + sp on fractures			tr				
136	135	136																																		
137	136	137																																		
138	137	138	FR	laminated					136.75-137.4m grey-black shale																		2% cb	diss py			tr					
139	138	139	FR	massive-laminated					137.4-142.1m pale green-grey massive-laminated volcanic mudstone with disseminated trace pyrite-galena-sphalerite (red crystals). Minor carbonate veinlets.																		tr cb	diss py			tr					
140	139	140																											gn + sp on fractures			tr				
141	140	141																																		
142	141	142																																		
143	142	143	FR				v .		142.1-148.2m sericite-silica-pyrite-altered mg-cg pumiceous volcaniclastic sandstone																			diss py			tr-0.5%					
144	143	144					v .																						gn + sp			tr				