

[illegible]

**Greatland Pty Ltd**

Greatland Pty Ltd																									
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		
19	18	19	SW	WS	frac	40			18.1-23.0m generally massive								<1%	5-10%							
20	19	20							sulphidic black shale. Fractured and patchy pitting (dissolution) textures.									fracture-fill and vein pyrite							
21	20	21							Two bands of pale volcanic siltstone																
22	21	22							@ 21.8-21.95m and 22.05-22.25m																
23	22	23							lower contact broken																
24	23	24	FR	WS		S <sub>i</sub> 30	✓ o		23.0-66.8m grey-green poorly		X	.						23.0-66.8 tr							
25	24	25					L :		sorted, matrix supported, polymict		X	.						fine grained							
26	25	26					o V		sandstone - conglomerate. Polymict		X	.						disseminated							
27	26	27					> o		clasts subangular to round and include angular pumiceous		X	.						pyrite							
28	27	28					o L		fiamme(?), fine grained volcanic		X	.													
29	28	29				S <sub>o</sub> 35	✓ .		siltstone, chert and possible tube		X	.													
30	29	30					.		pumice in feldspathic matrix.		X	.													
31	30	31					.		Poorly sorted sandstone - cong		X	.													
32	31	32					.		unit intercalated with green-		X	.													
33	32	33					o >		grey fine grained, massive to bedded		X	.													
34	33	34					✓ .		feldspathic volcanic silt stone.		X	.													
35	34	35					o >		Contact relationships generally		X	.													
36	35	36					>		irregular and conformable.		X	.													