



**EXPLORATION UPDATE  
6<sup>th</sup> February 2007**

**FIRETOWER DRILLING RESULTS AND WARRENTINNA ACTIVITIES**

Greatland Gold plc (the “Company”) the mineral exploration and development company focused on gold projects in Tasmania and Western Australia, is pleased to announce further analytical results from diamond core drilling at Firetower. Significant intercepts up to 13.34g/t gold have been returned along with 1.2% lead and elevated copper and tungsten.

**Firetower**

Drilling was within the resource area at Firetower and higher grade zones, surrounded by lower grade halos, continue to be defined. Drillhole collars are presented in Table 1.

Table 1: Drill Hole Details

Hole ID	AMG East (m)	AMG North (m)	Azimuth (degrees)	Dip (degrees)	Depth (m)
FTD017	446 027.3	5 405 101.3	3	-30	60.8
FTD018	446 111.2	5 405 080.1	1	-50	70.5
FTD019	445 855.3	5 405 015.4	34	-50	124.1
FTD020	445 818.5	5 405 044.4	38	-50	106.0
FTD021	445 817.4	5 405 040.4	175	-50	71.6
FTD022	446 025.6	5 405 085.4	20	-70	100.3
FTD023	445 975.3	5 405 109.3	184	-70	46.2
FTD024	445 975.6	5 405 113.5	2	-30	52.4
FTD025	445 975.6	5 405 112.8	0	-50	61.3

AMG – Aust. Map Grid Co-ordinate, Azimuth - drillhole direction, Dip – drillhole angle from horizontal

Several significant intercepts were returned. Better intercepts include 11m at 4.29g/t gold including 1m at 13.34g/t gold, 10.1m at 6.20g/t gold including 1m at 10.09g/t gold, 2m at 8.00g/t gold, 1m at 12.20g/t gold and 1m at 10.81g/t gold (Table 2). These results confirm higher grade plunging shoots within the larger mineralised system at Firetower. Base metal mineralisation is also present with results including 1.2% lead, 0.9% copper and 0.5% zinc. Highly anomalous tungsten intercepts continue to be returned. High gold grades, and accompanying base metal and tungsten intercepts, support our continued efforts at Firetower.

Mapping and surface sampling is ongoing at Firetower to locate surface indications of mineralisation and help plan further drill targets. Surface sampling has been successful in returning rock chip results up to 2.5g/t gold from immediately west of previously recognised mineralisation. This is significant as it had been previously thought that the only considerable



apparent potential was to the east. However this new analysis indicates the strike also extends west, enlarging the area of mineralisation.

Table 2: Firetower Significant Results (>1.0g/t gold)

Hole No	From (m)	To (m)	Width (m)	Gold (g/t)	Copper (%)	Lead (%)	Zinc (%)	Tungsten (%)
FTD017	7.0	8.0	1.0	1.47				
	13.0	24.0	11.0	1.61				
FTD018	0.0	4.0	4.0	1.74				
FTD019	60.0	64.0	4.0	1.25				
	97.0	100.0	3.0	2.42				
incl	98.5	99.0	0.5	5.31	0.91			0.13
FTD022	40.2	41.0	0.8	1.5		0.13	0.24	
	82.0	93.0	11.0	4.29				
incl	87.0	88.0	1.0	13.34			0.24	
and	88.0	89.0	1.0	9.43				0.13
and	90.0	91.0	1.0	5.61				0.27
FTD023	0.9	11	10.1	6.20				
incl	2.0	3.0	1.0	10.09				0.42
and	3.0	4.0	1.0	9.46				
and	4.0	5.0	1.0	6.65				
and	5.0	6.0	1.0	5.77			0.25	
and	6.0	7.0	1.0	7.43				
and	7.0	8.0	1.0	6.25				
and	8.0	9.0	1.0	5.18				
and	10.0	11.0	1.0	5.58				
	23	24	1.0	3.01				
	38	39	1.0	3.49				
FTD024	0.0	1.0	1.0	12.21				
	11.5	12.5	1.0	1.02				
	19.0	24.0	5.0	1.10				
	26.0	28.0	2.0	2.73				
	31.0	38.5	7.5	1.60				
incl	36.5	37.0	0.5	4.65		1.24	0.50	0.11
FTD025	0.0	2.0	2.0	8.05				
	3.0	4.0	1.0	1.00				
	7.0	10.0	3.0	1.79				
	20.0	21.0	1.0	1.79				
	28.0	30.0	2.0	1.13				
	42.0	46.0	4.0	3.93				
incl	43.0	44.0	1.0	10.81	0.13			0.23
	47.0	48.0	1.0	1.34				
	50.0	51.0	1.0	2.49	0.50			

m – metres, g/t – grams per tonne, % - per cent



Importantly, mineralisation is shallow at Firetower with good grades starting at surface. Results are awaited for further drillholes and these will be reported during the current quarter.

#### *Other Activities at Firetower*

Surface sampling at the Firetower West prospect, a separate area 2.5km northwest of the Firetower resource, is complete. Results outline mineralisation over a large 2km x 1km area with surface grades peaking at over 100ppb gold. Strong base metal anomalism is also apparent. First pass diamond core drilling of targets within this large area has commenced.

Three other regional targets areas in the east of the project area remain to be followed up with surface sampling.

#### **Warrentinna**

At the Warrentinna project, located in north-eastern Tasmania, surface sampling has been completed to determine the extent of the Derby-Mara goldfields and the trends within the Forester-Linton areas. Results have returned high-grade gold values in addition to extending the previously identified mineralisation. Soil results up to 1,308ppb gold at Derby-Mara, and 66.5ppb gold at Forester-Linton were returned. The high-grade nature of surface sample results is encouraging.

First pass drill testing of targets at the Warrentinna project is planned for the current quarter.

#### **Competent Persons**

*The information in this announcement that relates to Exploration Results is based on information compiled by Mr Paul Askins and Mr Callum Baxter, directors of Greatland Gold, who are both members of the Australasian Institute of Mining and Metallurgy. Paul Askins and Callum Baxter have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Paul Askins and Callum Baxter consent to the inclusion in the announcement of the matters based on their information in the form and context in which it appears.*

*All diamond drilling results are obtained from half NQ core. All samples are prepared at Genalysis Laboratory Services' Adelaide facility using a single stage pulverisation, and assayed at Genalysis Laboratory Services' Perth*



*laboratory. A 50g lead collection fire assay digest with atomic absorption spectrometry (AAS) analysis technique is used for gold, and a Four Acid (hydrofluoric, nitric, perchloric and hydrochloric) digest with an Optical Emission Spectrometry (OES) finish for other elements. Full quality control is achieved using a suite of standards, duplicates, repeats and blanks.*

*The spatial location of samples is derived using by registered surveyor using a total station theodelite and classical surveying methods based on geodetic trig station control, and Eastman single shot downhole or north seeking gyro surveys. Stated co-ordinates are based on the Australian Map Grid 1966, Zone 55 (AGD66 Zone 55).*

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Updates on the Company's activities are regularly posted on its website  
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