

Annual Report  
for EL34/2007 Quamby Brook  
for the Period 21 September 2009 to 20 September 2010

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Date: September 2010

## **ABSTRACT**

EL34/2007 Quamby Brook is located in central north Tasmania adjacent to the town of Deloraine, and forms the eastern parts of the Company's Firetower project. The tenement covers some 20 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation however other styles of mineralisation are present within the licence area.

Work completed during the 12 month period to 20 September 2010 comprised a data review and drainage sampling. Results of drainage sampling were subdued.

## **KEYWORDS**

Geology/Mineralisation

Mt Reid Volcanics, Tyennan

Minerals

Gold

Deposits/Occurrences

Kentish Hill, Golden Valley

## **COORDINATES**

All lat/long co-ordinates in this report refer to the AGD66 Datum

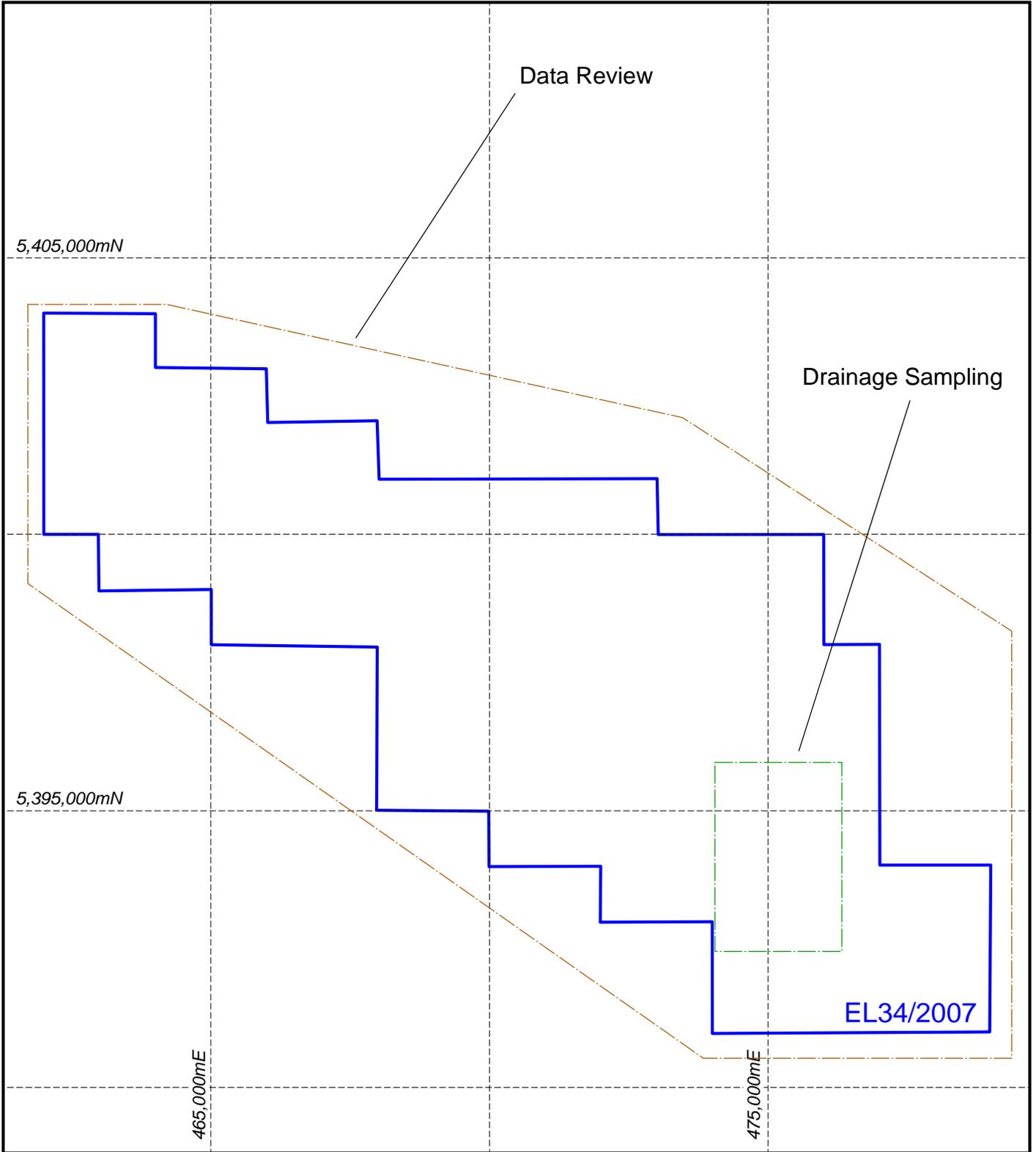
All AMG co-ordinates in this report refer to the AGD66 Datum - Zone55

**SUMMARY OF ACTIVITIES FOR THE EL34/2007 QUAMBY BROOK  
FOR THE PERIOD 21 SEPTEMBER 2009 to 20 SEPTEMBER 2010**

- Data Review
- Drainage Sampling

**FILE SUMMARY LIST**

File Name	Format	Contents
el342007_201009_01_report	pdf	report
el342007_201009_02_geochem	txt	data
el342007_201009_03_geochem	txt	data



AGD66-55



**N**



**GREATLAND PTY LTD**

EL34/2007 QUAMBY BROOK

Exploration Index Map

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## 1.0 Introduction

This report details the exploration activities completed within EL34/2007 during the period 21 September 2009 to 20 September 2010. The lease is located in central north Tasmania adjacent to the town of Deloraine, and forms the eastern parts of the Company's Firetower project.

The tenement covers some 20 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation however other styles of mineralisation are present within the licence area.

Work completed during the period comprised a data review and drainage sampling.

## 2.0 Tenement Details

EL34/2007 Quamby Brook was applied for by Greatland Pty Ltd during May 2007 and was granted during September 2007. The tenement covers an area of 97 square kilometres. Tenement details are shown in Table 1.

Table 1 – Tenement Details

Tenement	Holder	Date Applied	Date Granted	Size
EL34/2007 Quamby Brook	Greatland Pty Ltd 100%	11 May 2007	21 Sep 2007	97km <sup>2</sup>

## 3.0 Location and Access

EL34/2007 Quamby Brook is located 50km west of Launceston in central north Tasmania (Figure 1). It lies immediately south of the town of Deloraine and forms the eastern parts of the Company's Firetower project (Figure 2).

The bulk of land within the tenement is private farming land with smaller portions of state forest.

The project lies within the Tasmania NE (SK55-21) 1:250,000 map sheet, and within the Meander (8214) 1:100,000 map sheet.

From Launceston, access to the project area is by sealed road to Deloraine then south via the sealed Quamby Brook Road into the licence. Local roads and logging tracks provide good access throughout the project area.

#### **4.0 Geology and Mineralisation**

The licence area covers some 20 strike kilometres of rocks assigned to the Cambrian Mt Read Volcanics (Figure 3). The Mt Read Volcanics host world class base metal and gold deposits, particularly in the western parts of Tasmania. Minor outcrop of basement rocks of the Neo-Proterozoic Tyennan occur in the south eastern portion of the licence.

Further details of project geology and mineralisation can be found in Baxter, 2008.

#### **5.0 Previous Exploration**

A summary of previous exploration can be found in Baxter (2008 and 2009).

## **6.0 Work Carried Out During the Period**

Work completed during the period comprised a data review and drainage sampling.

### *Data Review*

A review of historical and current exploration data was carried out during the period which concluded that drainage sampling should be completed in the south of the licence. The aim of the program was to assess the area around Kentish Hill and Golden Valley for the presence of gold mineralisation based on previous explorers reports that alluvial gold had been found in streams (Cogar and Wildy, 1971).

### *Drainage Sampling*

At a total of seven stream sediment sample sites were selected. At each site samples were collected for bulk leach gold (BLEG) analyses, and for multi-element analyses. Also, a separate panned concentrate was collected.

Sample sites were chosen to avoid drainages where poor active alluvium was present and avoid poor quality areas where farming has altered drainages. The active stream sediment was collected at three to four spots within each location. Large samples were dried off-site and from these a minus 2mm and a minus 180 micron (80mesh) fraction were prepared. At the same locations as the bulk leach sample sites a separate 10kg panned concentrate sample was panned down on site to about 250g, then taken for more careful panning and inspection off site.

All minus 2mm samples exceeding 2kg (GV001-GV007) were submitted to Genalysis Laboratory Services in Perth and analysed by cyanide leach (BLEG) with an ICP mass spectrometry finish (lab code CN2/MS) for Au, Ag, Pd and Pt to detection limits of 0.01ppb, 0.1ppb, 0.1ppb and 0.1ppb respectively.

The minus 180 micron samples were also sent to Genalysis in Perth and analysed for gold by aqua regia digest with an atomic absorption spectrometry finish (lab code B/ETA) to a detection limit of 1ppb. They were also analysed for Ag, As, Bi, Cu, Mn, Ni, Pb, Sb and Zn by aqua regia digest with AAS determination (lab code B/AAS) to detection limits of 0.1ppm, 10ppm, 2ppm, 1ppm, 1ppm, 1ppm, 1ppm, 2ppm and 1ppm respectively.

Highest BLEG results were 0.44ppb Au, 21.6ppb Ag, 0.3ppb Pd and <0.1ppb Pt. Highest multi element results were 5ppb Au, 0.2ppm Ag, <10ppm As, <2ppm Bi, 16ppm Cu, 645ppm Mn, 23ppm Ni, 9ppm Pb, <2ppm Sb, and 80ppm Zn.

No results from the BLEG or multi element samples were assessed as anomalous. No gold was found (visually) in any of the panned concentrates.

All sample sites are shown in Figures 4 and 5. All BLEG and multi element results are presented in Appendix I.

## **7.0 Conclusions**

EL34/2007 Quamby Brook is located in central north Tasmania adjacent to the town of Deloraine, and forms the eastern parts of the Company's Firetower project.

The tenement covers some 20 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation however other styles of mineralisation are present within the licence area.

Work completed during the period comprised a data review and drainage sampling. Results of drainage sampling were subdued.

## References

Baxter, C., 2008. Annual Report for EL34/2007 Quamby Brook for the period 21 September 2007 to 20 September 2008. Greatland Pty Ltd, 12pp. (unpublished)

Baxter, C., 2009. Annual Report for EL34/2007 Quamby Brook for the period 21 September 2008 to 20 September 2009. Greatland Pty Ltd, 3pp. (unpublished)

Cogar, P.E. and Wildy, R.L., 1971. Progress Report to 16 October 1971, EL25/70. T.W. Davies Prospecting Syndicate, 12pp. (unpublished)

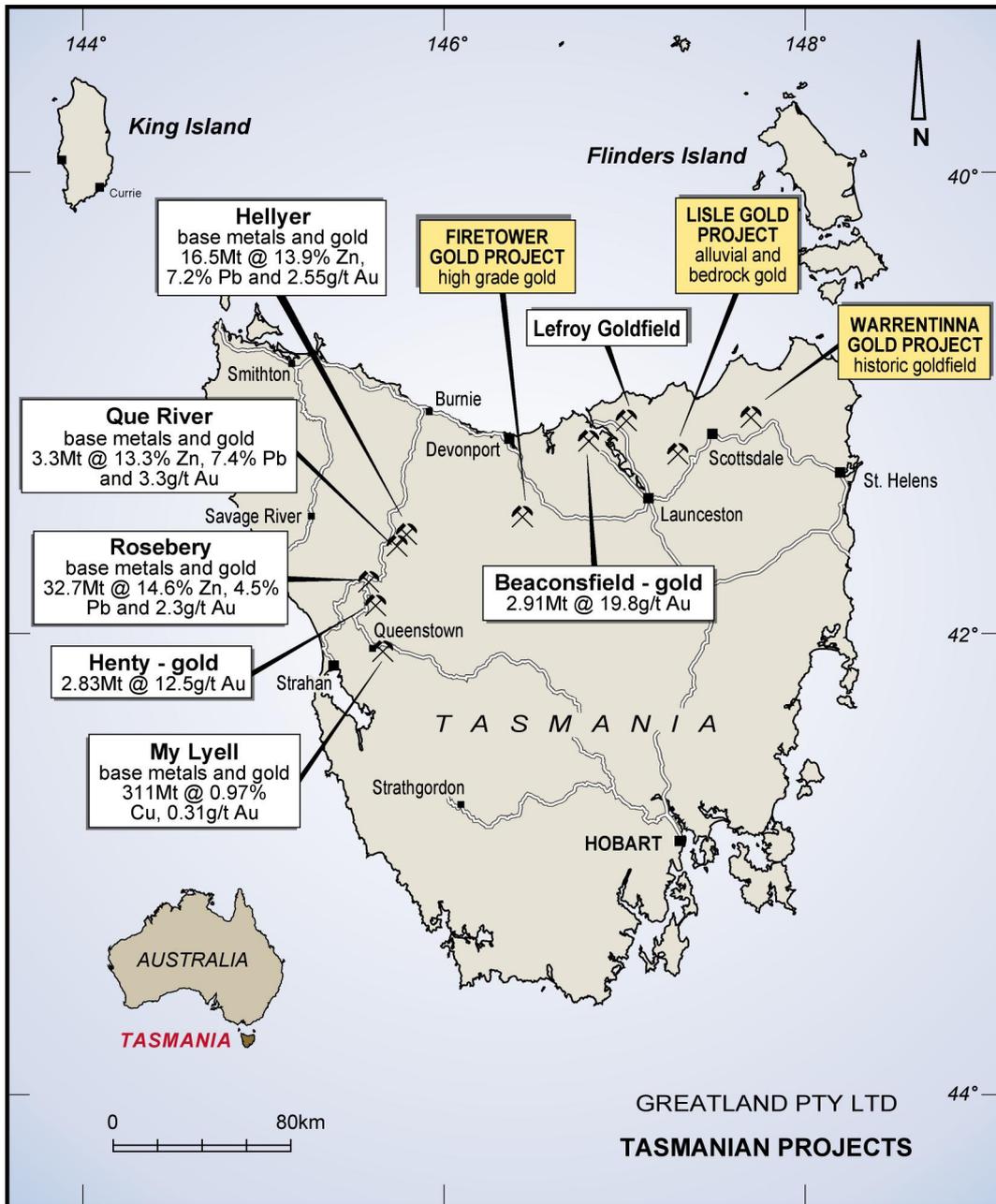


Figure 1 – Project Location Map

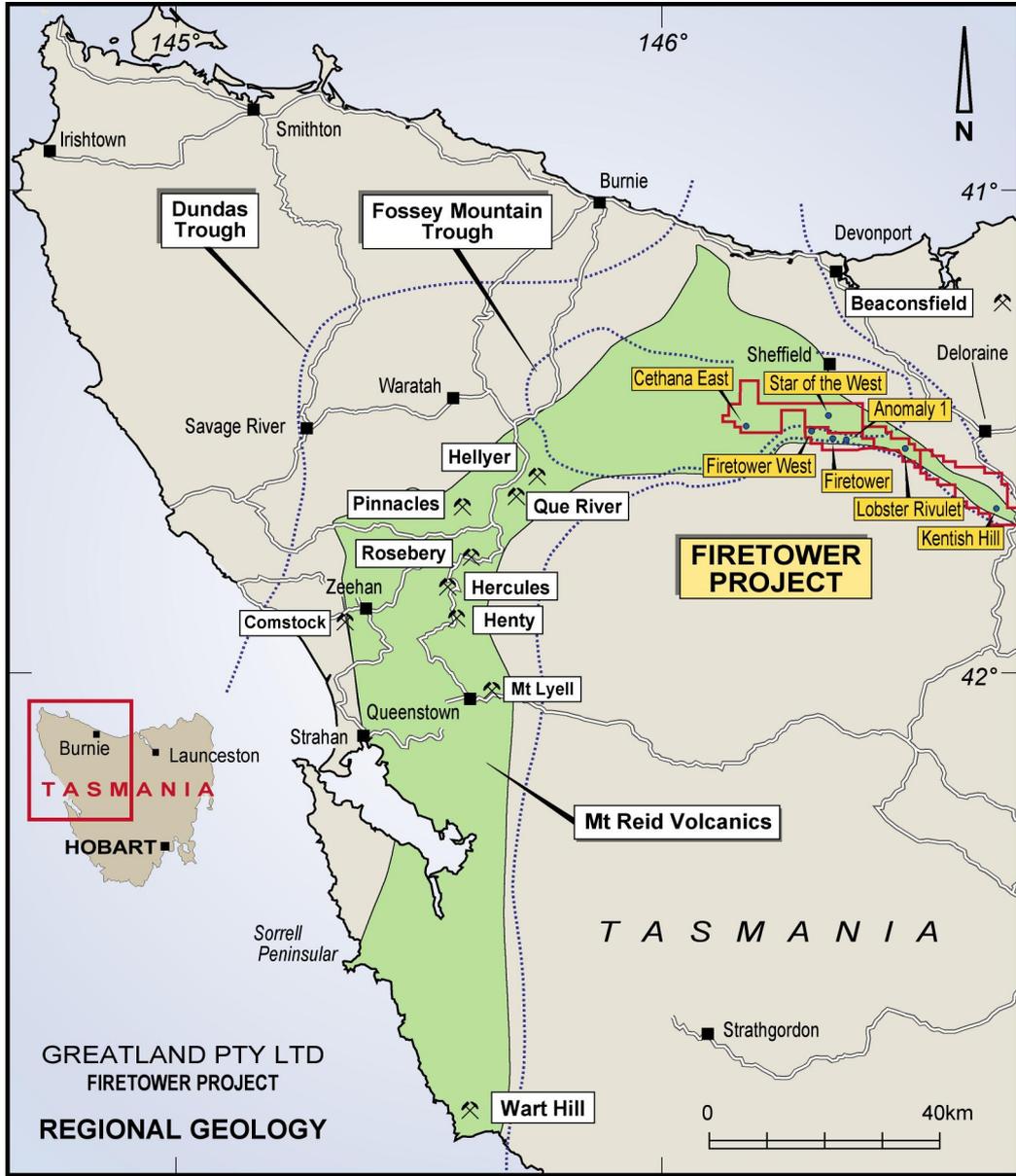


Figure 2 – Regional Geology

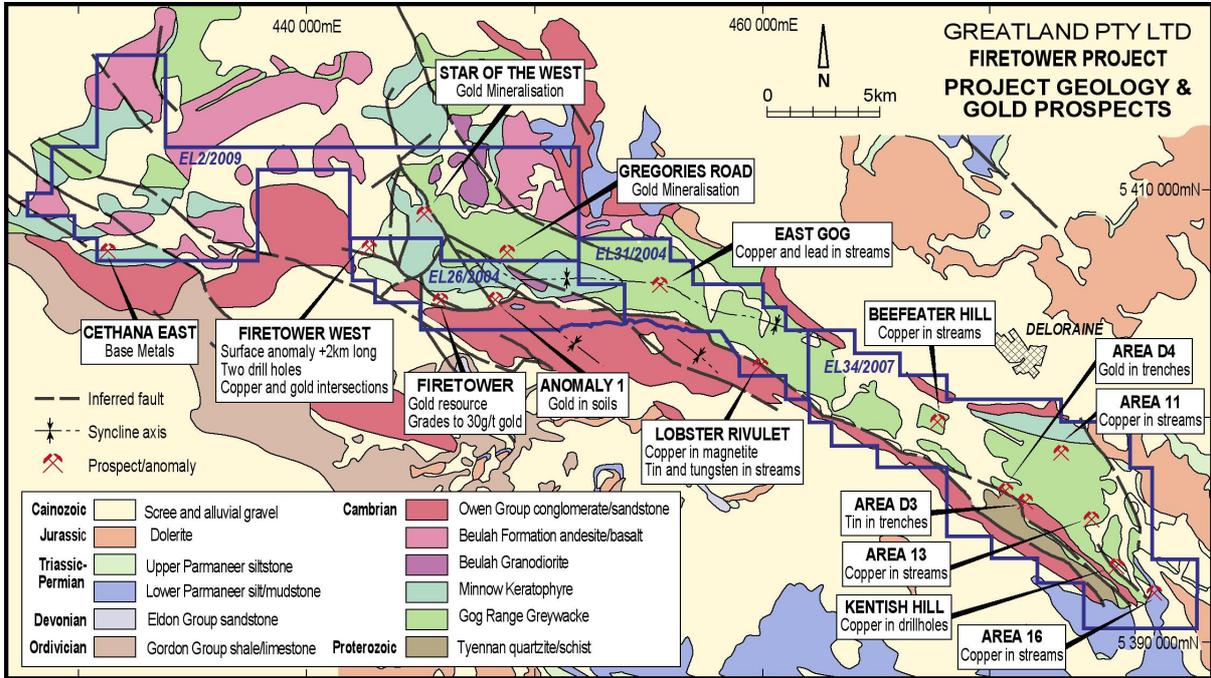
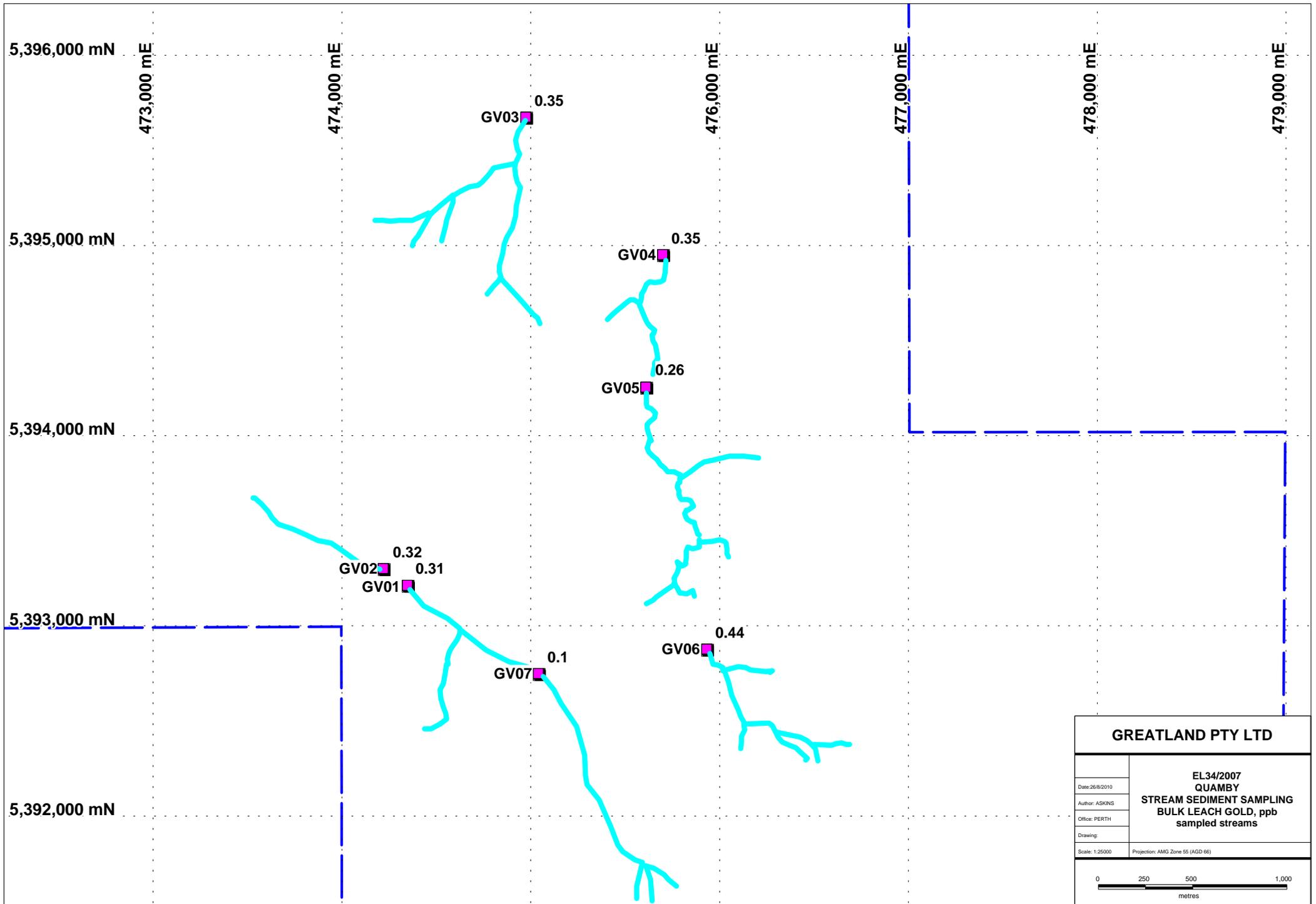
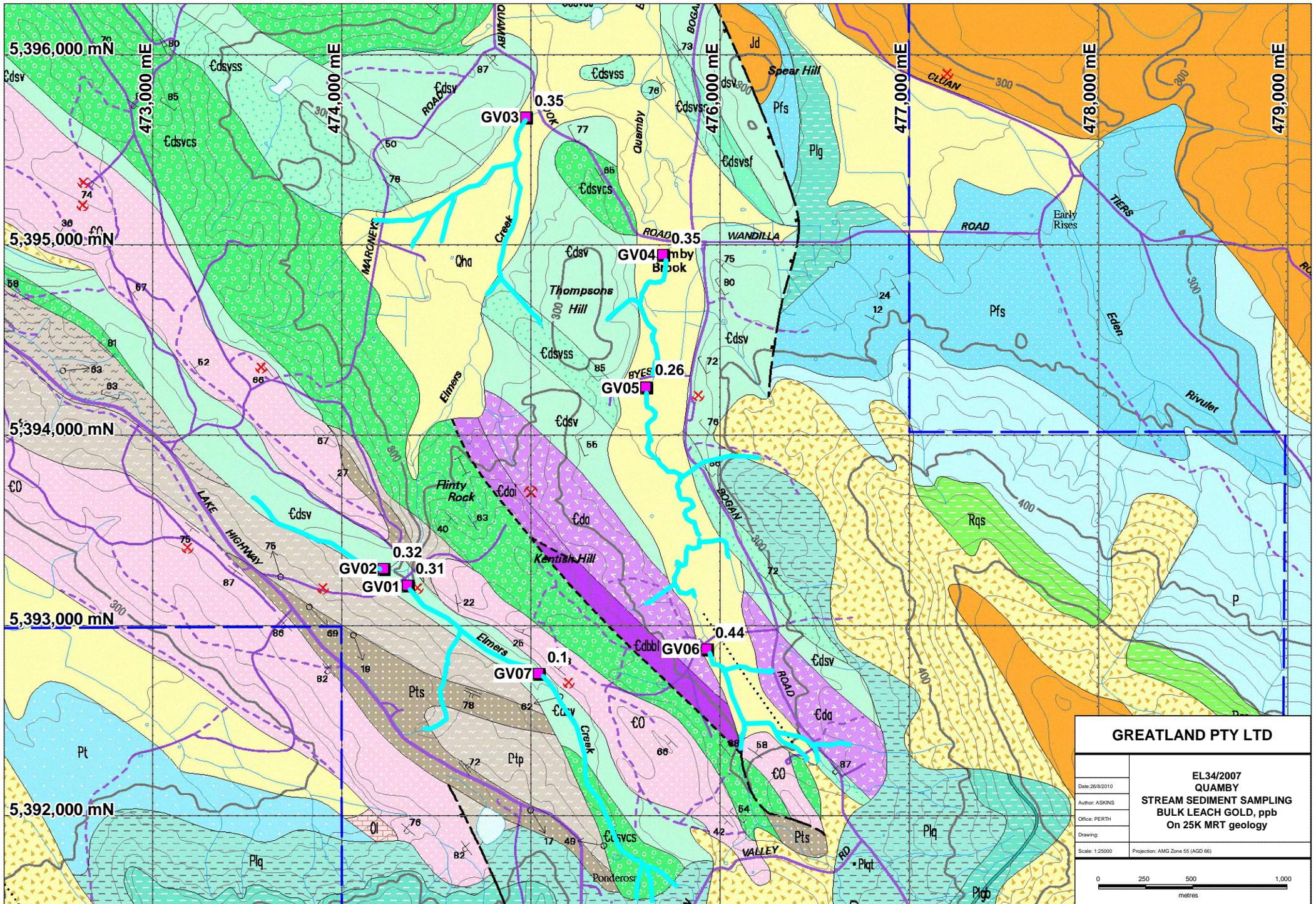


Figure 3 – Project Geology



<b>GREATLAND PTY LTD</b>	
EL34/2007 QUAMBY	
Date: 26/8/2010	<b>STREAM SEDIMENT SAMPLING BULK LEACH GOLD, ppb sampled streams</b>
Author: ASKINS	
Office: PERTH	
Drawing:	
Scale: 1:25000	Projection: AMG Zone 55 (AGD 66)

Figure 4



<b>GREATLAND PTY LTD</b>	
Date: 26/8/2010	<b>EL34/2007 QUAMBY STREAM SEDIMENT SAMPLING BULK LEACH GOLD, ppb On 25K MRT geology</b>
Author: ASKINS	
Office: PERTH	
Drawing:	
Scale: 1:25000	Projection: AMG Zone 55 (AGD 66)

Figure 5

## APPENDIX I

### Drainage Sample Data

Data Template  
BLEG

H0100	Tenement No/Combined Report No	EL34/2007
H0101	Tenement Holder	Greatland Pty Ltd
H0102	Tenement Operator	Greatland Pty Ltd
H0103	Project Name	Firetower
H0104	250K Map Sheet	SK55-21
H0105	100K Map Sheet	8214
H0200	Start Date of Data Acquisition	Sep-09
H0201	End Date of Data Acquisition	Sep-10
H0202	Data Format	SG2
H0203	Number of Data Records	7
H0204	Date of Metadata Update	Sep-10
H0500	Feature Located	Sample Point
H0501	Geodetic Datum	AGD66
H0502	Vertical Datum	N/A
H0503	Projection	AMG
H0504	Projection Zone	55
H0505	Surveying Instrument	Scaled off 25K geol map
H0506	Surveying Company	Greatland Pty Ltd
H0600	Sample Code	Drainage
H0601	Sample Type	Drainage
H0602	Sample Description	<2mm
H0700	Sample Prep Code	N/A
H0701	Sample Prep Details	N/A
H0702	Job No	1001198
H0800	Assay Code	CN2/MS
H0801	Assay Company	Genalysis Laboratories
H0802	Assay Description	2kg cyanide leach
H0900	Remarks	below detection -1 no data -999

Drainage Samples  
BLEG

Sample_ID	Sample_Type	Mesh	AMG_East	AMG_North	Datum_Zone	Au_ppb	Ag_ppb	Pd_ppb	Pt_ppb
GV001	Drainage	<2mm	474224	5393296	AGD66-55	0.32	8.8	-1	-1
GV002	Drainage	<2mm	474351	5393208	AGD66-55	0.31	7.4	-1	-1
GV003	Drainage	<2mm	474978	5395670	AGD66-55	0.35	7.1	0.3	-1
GV004	Drainage	<2mm	475703	5394947	AGD66-55	0.35	9.2	0.1	-1
GV005	Drainage	<2mm	475614	5394250	AGD66-55	0.26	21.6	0.2	-1
GV006	Drainage	<2mm	475936	5392872	AGD66-55	0.44	11.5	-1	-1
GV007	Drainage	<2mm	475045	5392744	AGD66-55	0.1	10.5	-1	-1

Data Template  
Multi Element

H0100	Tenement No/Combined Report No	EL34/2007
H0101	Tenement Holder	Greatland Pty Ltd
H0102	Tenement Operator	Greatland Pty Ltd
H0103	Project Name	Firetower
H0104	250K Map Sheet	SK55-21
H0105	100K Map Sheet	8214
H0200	Start Date of Data Acquisition	Sep-09
H0201	End Date of Data Acquisition	Sep-10
H0202	Data Format	SG2
H0203	Number of Data Records	7
H0204	Date of Metadata Update	Sep-10
H0500	Feature Located	Sample Point
H0501	Geodetic Datum	AGD66
H0502	Vertical Datum	N/A
H0503	Projection	AMG
H0504	Projection Zone	55
H0505	Surveying Instrument	Scaled off 25K geol map
H0506	Surveying Company	Greatland Pty Ltd
H0600	Sample Code	Drainage
H0601	Sample Type	Drainage
H0602	Sample Description	180micron
H0700	Sample Prep Code	SSMG
H0701	Sample Prep Details	75micron
H0702	Job No	1001199
H0800	Assay Code	B/ETA      B/AAS
H0801	Assay Company	Genalysis Laboratories
H0802	Assay Description	Aqua Regia AAS
H0900	Remarks	below detection -1 no data -999

Drainage Samples  
Multi Element

Sample_ID	Sample_Type	Mesh	AMG_East	AMG_North	Datum_Zone	Au_ppb	Ag_ppm	As_ppm	Bi_ppm	Cu_ppm	Mn_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
GV001 SS	Drainage	80mesh	474224	5393296	AGD66-55	4	-1	-1	-1	6	485	13	8	-1	58
GV002 SS	Drainage	80mesh	474351	5393208	AGD66-55	5	0.2	-1	-1	5	111	13	7	-1	19
GV003 SS	Drainage	80mesh	474978	5395670	AGD66-55	-1	-1	-1	-1	16	345	22	7	-1	50
GV004 SS	Drainage	80mesh	475703	5394947	AGD66-55	-1	-1	-1	-1	4	221	11	2	-1	35
GV005 SS	Drainage	80mesh	475614	5394250	AGD66-55	1	-1	-1	-1	14	645	23	7	-1	80
GV006 SS	Drainage	80mesh	475936	5392872	AGD66-55	-1	-1	-1	-1	8	219	17	6	-1	70
GV007 SS	Drainage	80mesh	475045	5392744	AGD66-55	2	-1	-1	-1	7	406	10	9	-1	59