GREATLAND

Annual Report

for EL34/2007 Quamby Brook

for the Period 21 September 2010 to 20 September 2011

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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.

Work completed during the 12 month period to 20 September 2011 comprised soil sampling, rock chip sampling and geological mapping at the D4 prospect. This work outlined a weakly mineralised system in Proterozoic schist over a strike length of 1km.

KEYWORDS

Geology/Mineralisation

Mt Reid Volcanics, Tyennan

Minerals

Gold, copper, lead

Deposits/Occurrences

N/A

COORDINATES

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

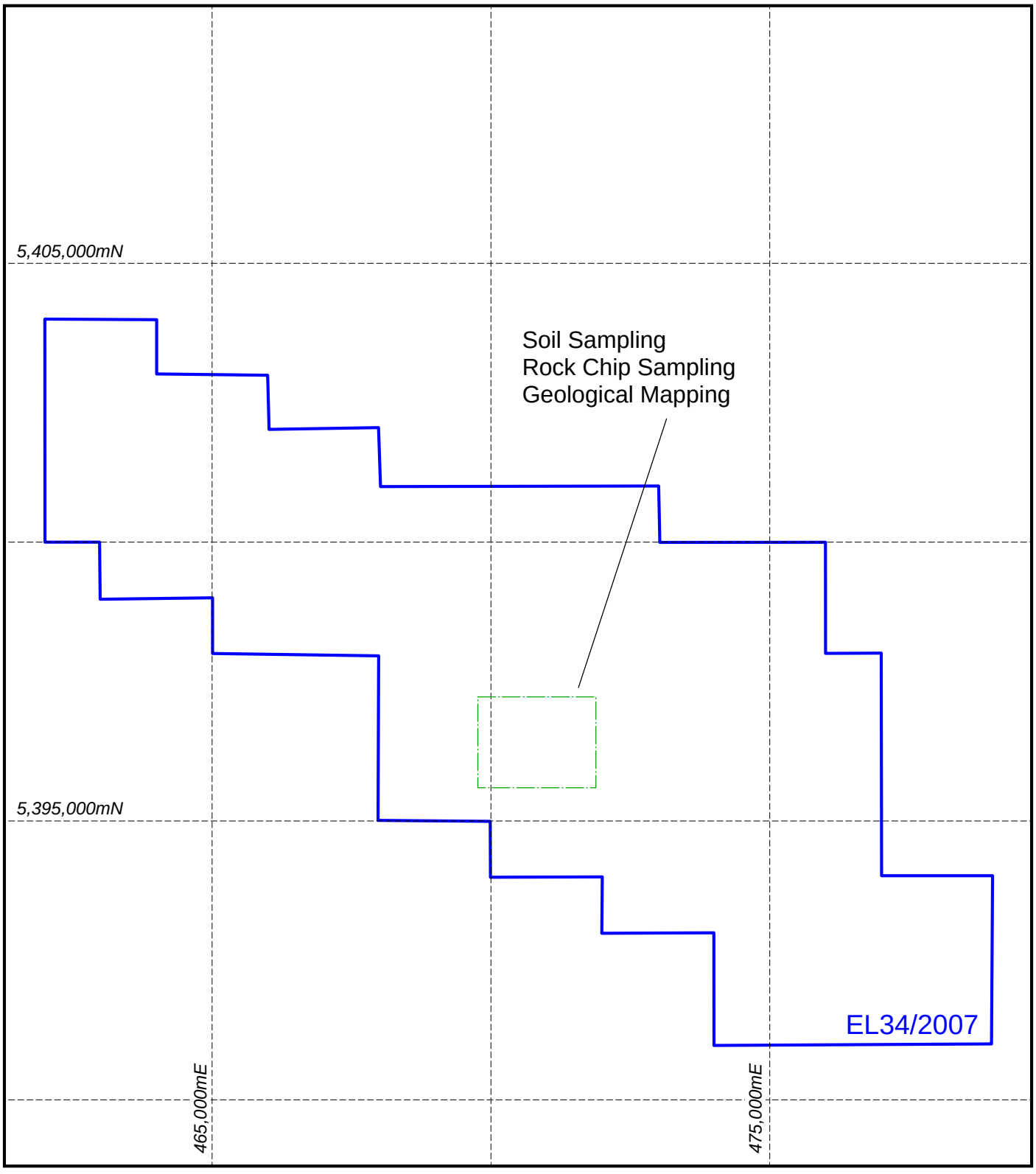
All AMG co-ordinates in this report refer to the AGD66 Datum - Zone55

SUMMARY OF ACTIVITIES FOR THE EL34/2007 QUAMBY BROOK FOR THE PERIOD 21 SEPTEMBER 2010 to 20 SEPTEMBER 2011

- Soil Sampling
- Rock Chip Sampling
- Geological Mapping

FILE SUMMARY LIST

File Name	Format	Contents
el342007_201109_01_report	pdf	report
el342007_201109_02_geochem	txt	data
el342007_201109_03_geochem	txt	data



AGD66-55

N

0 4km

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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 2010 to 20 September 2011. 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 12 month period to 20 September 2011 comprised soil sampling, rock chip sampling and geological mapping at the D4 prospect.

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 Granted	Size
EL34/2007 Quamby Brook	Greatland Pty Ltd 100%	21 Sep 2007	97km^2

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

Details of previous exploration can be found in Baxter 2008, 2009 and 2010.

6.0 Work Carried Out During the Period

Work completed during the 12 month period to 20 September 2011 comprised soil sampling, rock chip sampling and geological mapping at the D4 prospect. The D4 area was selected for sampling and mapping after trenches and an

adit were located by Greatland (Baxter, 2008). Historical reports stated these trenches returned up to 3.9g/t gold (Cogar and Wildy, 1971).

Soil Sampling

A total of 95 soil samples were collected at 50m intervals along eight traverses. Traverses were 200m apart. Bulk soils to 1kg were collected in the field from a depth of around 20cm. Soils were not sieved prior to analysis.

All samples were submitted to Genalysis Laboratories. All samples were analysed for a broad multi element suite. All results and analytical details can be found in Appendix I and sample sites are shown in Figure 4.

Results included maximum of 5ppb Au, 29ppm As, 182ppm Cu, 690ppm Pb and 68ppm Zn.

Rock Chip Sampling

At a total of 29 rock chip samples were collected from the D4 area during the period. All samples were submitted to Genalysis Laboratories. All samples were analysed for a broad multi element suite. All results and analytical details can be found in Appendix II and sample sites are shown in Figure 5.

Results included maximum of 100ppb Au, 583ppm As, 366ppm Cu, 432ppm Pb and 4254ppm Zn.

Geological Mapping

Mapping of the D4 area was completed at 1:5,000 scale. Lithologies mapped include Proterozoic schist and quartzite, and Cambrian sandstone and conglomerate. Geological mapping is shown in Figure 5.

Results of mapping and sampling point to a fault or shear highlighted by a generally weak copper anomaly over a strike length of 1km. This shear

encompasses the adit and trenches. It contains a best 100ppb Au in rock chip and a single 5ppb in soil. Work has identified a weakly mineralised system in Proterozoic schist. Notes on mapping are presented in Appendix III.

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.

Work completed during the 12 month period to 20 September 2011 comprised soil sampling, rock chip sampling and geological mapping at the D4 prospect. This outlined a weakly mineralised system in Proterozoic schist over a strike length of 1km.

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)

Baxter, C., 2010. Annual Report for EL34/2007 Quamby Brook for the period 21 September 2009 to 20 September 2010. Greatland Pty Ltd, 5pp. (unpublished)

Cogar, P.E. and Wildy, R.L., 1971. Progress Report to 16 October 1971, EL25/70. T.W. Davies Prospecting Syndicate, 12pp [TCR71-0830]. (unpublished)

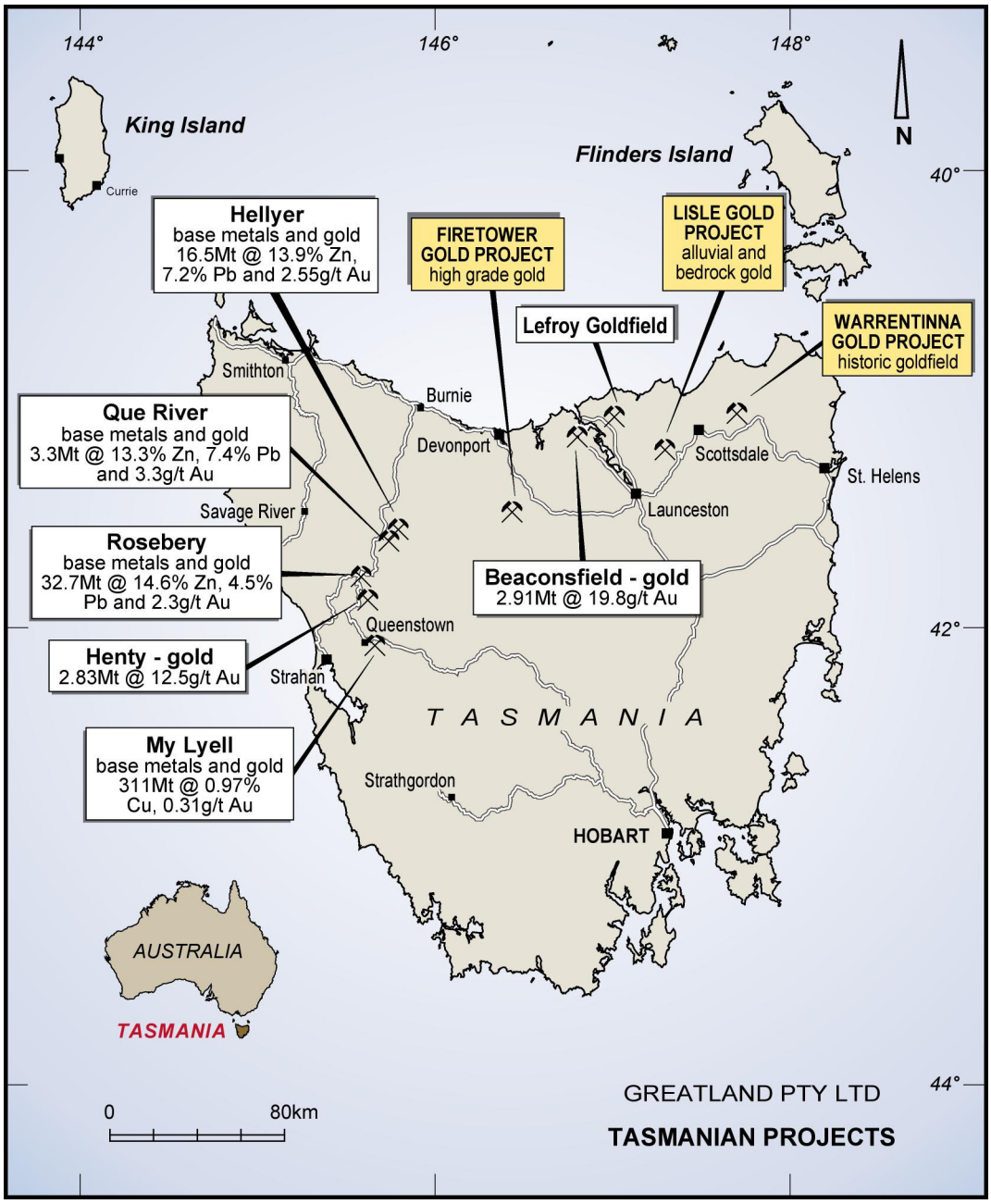

Figure 1 – Project Location Map

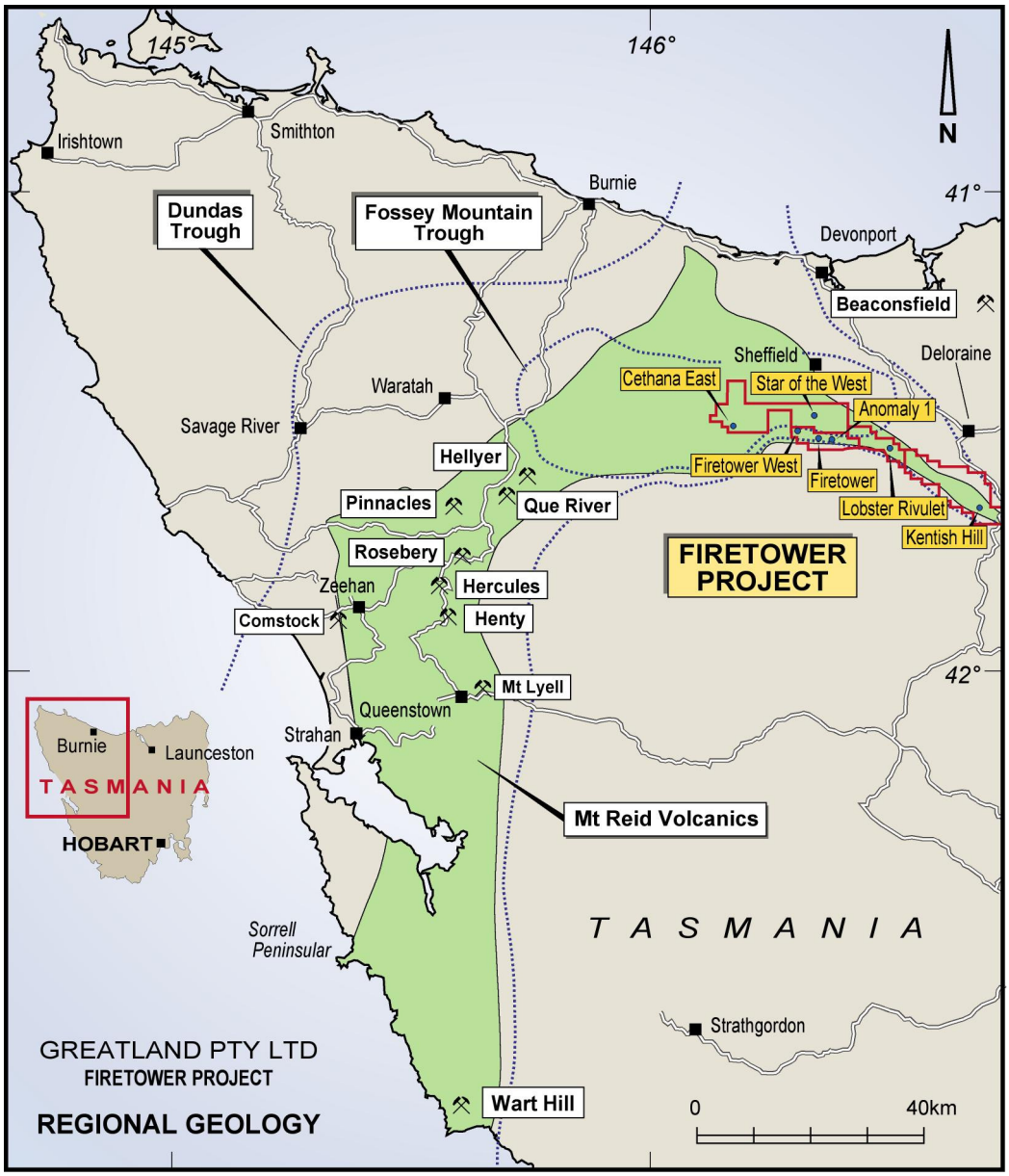

Figure 2 – Regional Geology

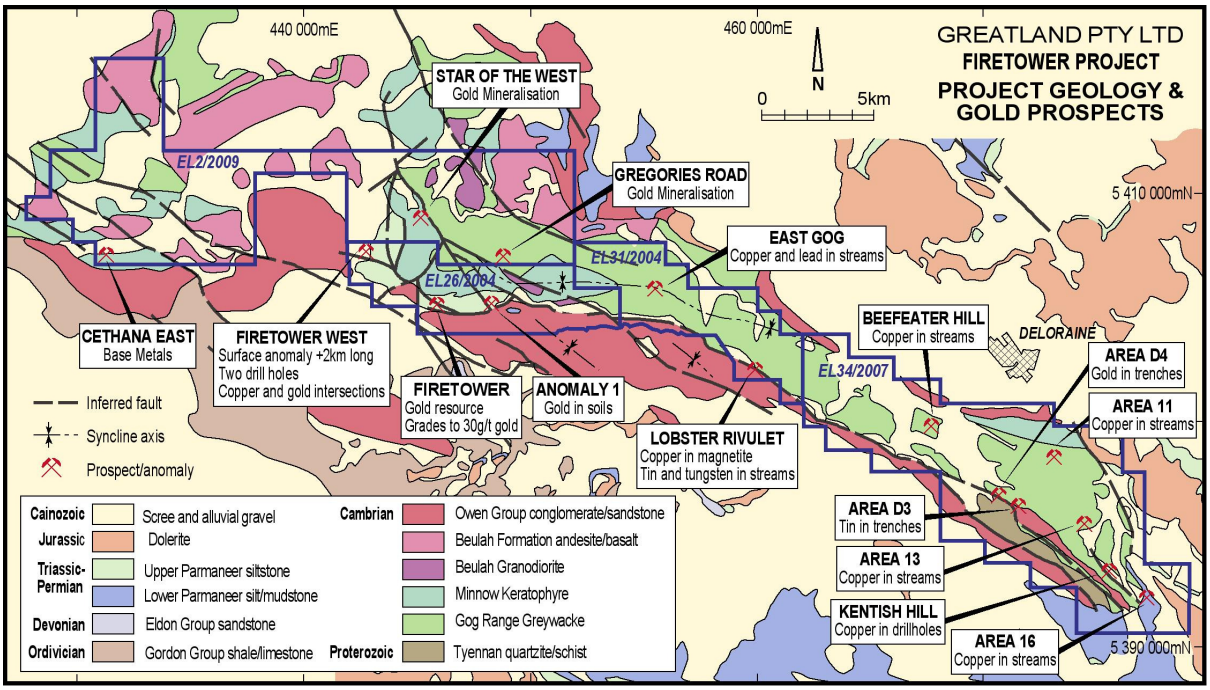

Figure 3 – Project Geology

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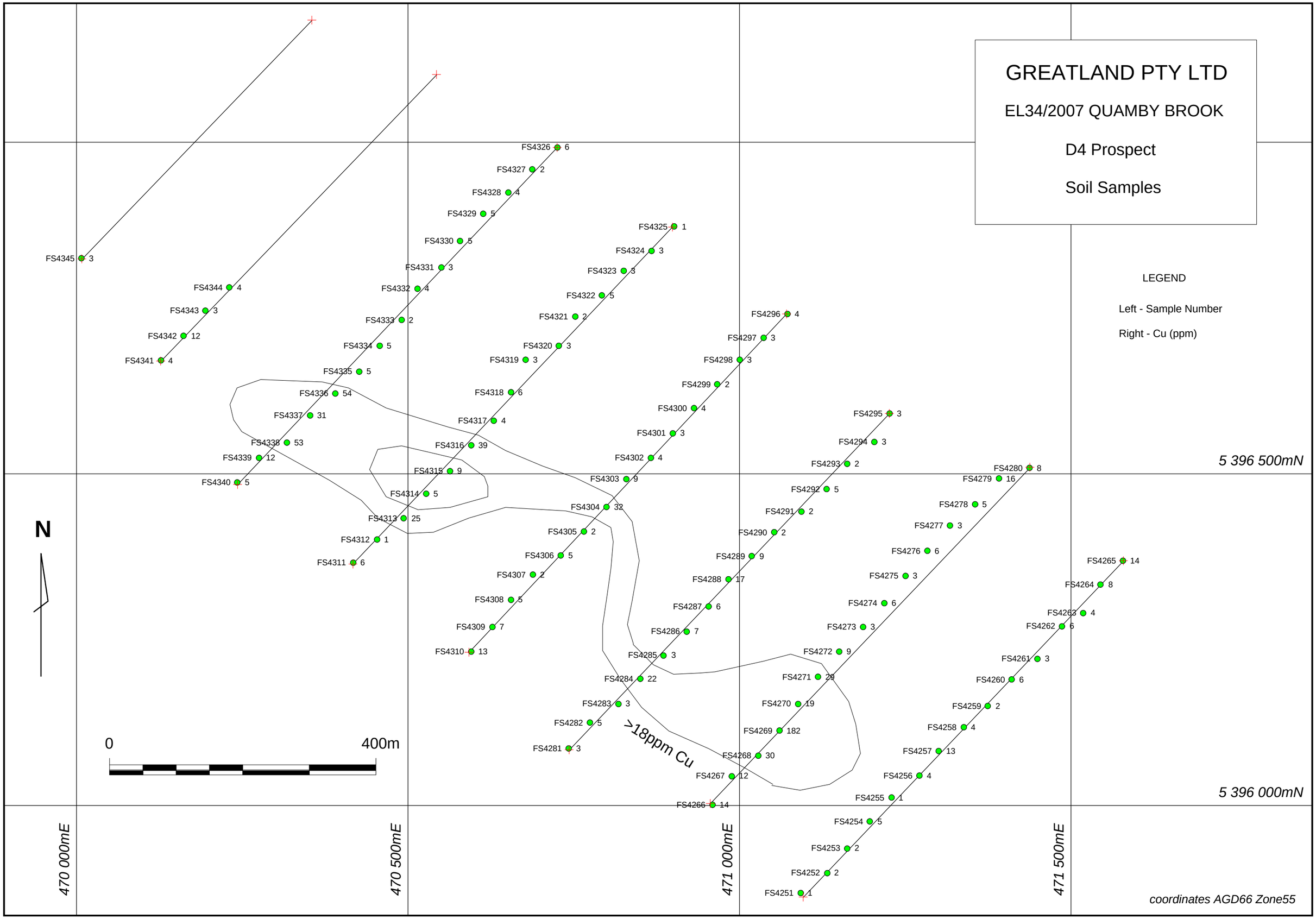
EL34/2007 QUAMBY BROOK

D4 Prospect

Soil Samples



LEGEND

Left - Sample Number

Right - Cu (ppm)

FIGURE 4

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EL34/2007 QUAMBY BROOK

D4 Prospect

INTERPRETED GEOLOGY

by J.A. Earthrowl Aug 2011

LEGEND

- CONGLOMERATE : poly and oligomictic
- SANDSTONE : saccharoidal quartzose
- Qv QUARTZ VEINING:
- SCHIST : qtz-sericite, chlorite locally graphitic
- q q QUARTZITE : massive, bedded
- 167 Mapping Waypoint: see spreadsheet for details
- 140120 Rock sample site: see spreadsheet and assays if underlined in part gossan.
- Old costean / Trench

Field traversing by J.A. Earthrowl May/June 2011

Base Map by Greatland P/L May 2011

5 396 500mN

5 396 000mN

N

0 400m

470 000mE 470 500mE 471 000mE 471 500mE

coordinates AGD66 Zone55

FIGURE 5

APPENDIX I

Soil Sample Data

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-10
H0201 End Date of Data Acquisition Sep-11
H0202 Data Format SG2
H0203 Number of Data Records 95
H0204 Date of Metadata Update Sep-11
H0500 Feature Located Sample Point
H0501 Geodetic Datum AGD66
H0502 Vertical Datum N/A
H0503 Projection AMG
H0504 Projection Zone 55
H0505 Surveying Instrument Handheld GPS
H0506 Surveying Company Greatland Pty Ltd
H0600 Sample Code soil
H0601 Sample Type soil
H0602 Sample Description bulk soil
H0700 Sample Prep Code SSMG
H0701 Sample Prep Details 75micron
H0702 Job No 1110892
H0800 Assay Code AR10/GF AI
H0801 Assay Company Genalysis Laboratories
H0802 Assay Description Aqua Regia AAS OES
H0900 Remarks below detection = X

H1000	Sample No	AMG East	AMG North	Datum	Zone	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W	Zn
H1001		metres	metres			ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						1	0.5	20	5	2	2	0.01	0.5	20	1	2	1	0.01	20	20	0.01	1	1	0.01	1	20	1	2	1	1	2	5	2	2	2	1
H1003		1	1			AR10/GF	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE
D	FS4251	471092	5395868	AGD66	55	X	X	756	X	19	X	0.05	X	X	X	5	1	0.63	371	X	0.02	73	X	0.09	1	X	X	X	X	3	X	225	X	3	X	3
D	FS4252	471132	5395898	AGD66	55	X	X	211	X	22	X	0.04	X	X	X	5	2	0.49	173	X	0.01	55	1	0.1	3	X	X	X	X	3	X	135	X	X	X	2
D	FS4253	471162	5395935	AGD66	55	X	X	829	X	24	X	0.05	X	X	X	6	2	0.85	290	X	0.02	95	X	0.12	2	X	1	X	X	3	X	209	X	4	X	3
D	FS4254	471196	5395976	AGD66	55	X	X	2371	X	9	X	0.03	X	X	X	12	5	1.1	230	X	0.02	99	3	0.07	6	X	2	X	X	3	X	231	X	12	X	3
D	FS4255	471229	5396012	AGD66	55	X	X	185	X	13	X	0.04	X	X	X	4	1	0.68	132	X	0.01	84	X	0.1	X	X	1	X	X	4	X	211	X	2	X	3
D	FS4256	471271	5396045	AGD66	55	X	X	4028	X	16	X	0.04	X	X	X	13	4	1.26	457	X	0.02	114	3	0.1	5	21	1	X	X	4	X	293	X	12	X	3
D	FS4257	471300	5396082	AGD66	55	X	X	21190	X	34	X	0.03	X	44	7	30	13	3.2	2464	X	0.1	239	X	0.07	5	99	8	X	7	2	X	208	X	37	X	16
D	FS4258	471338	5396118	AGD66	55	X	X	7198	X	60	X	0.05	X	X	X	15	4	1.34	1282	X	0.06	149	2	0.11	6	30	3	X	X	5	X	155	X	15	X	5
D	FS4259	471374	5396150	AGD66	55	X	X	15685	X	37	X	0.04	X	X	X	20	2	1.66	1090	X	0.06	94	X	0.09	3	X	3	3	2	4	X	290	X	40	X	5
D	FS4260	471410	5396190	AGD66	55	X	X	19100	X	48	X	0.04	X	X	9	65	6	10.53	2079	X	0.35	166	1	0.12	10	117	14	X	11	7	X	1145	X	226	2	16
D	FS4261	471449	5396221	AGD66	55	X	X	9018	X	84	X	0.06	X	41	X	14	3	3.76	2777	X	0.06	202	X	0.1	X	69	6	X	2	6	X	146	X	36	X	5
D	FS4262	471486	5396270	AGD66	55	X	X	18437	7	76	X	0.03	X	33	2	31	6	1.62	2316	X	0.12	78	2	0.07	13	105	9	X	3	5	X	79	X	41	X	17
D	FS4263	471518	5396290	AGD66	55	X	X	3103	X	84	X	0.13	X	X	X	9	4	1.16	1435	X	0.04	197	1	0.13	2	51	5	X	X	13	X	60	X	6	X	5
D	FS4264	471544	5396333	AGD66	55	X	X	28800	12	121	X	0.05	X	30	X	47	8	2.12	3751	X	0.15	55	3	0.1	6	120	13	2	3	9	2	51	X	53	X	11
D	FS4265	471578	5396369	AGD66	55	X	X	14553	X	67	X	0.04	X	42	2	53	14	2.67	1490	X	0.16	140	X	0.08	26	226	12	2	2	6	X	20	X	19	X	21
D	FS4266	470959	5396001	AGD66	55	X	X	12692	X	70	X	0.05	X	30	1	17	14	1.95	1913	X	0.09	98	2	0.08	7	53	9	X	3	4	X	361	X	41	X	11
D	FS4267	470988	5396044	AGD66	55	X	X	8576	X	51	X	0.04	X	32	1	11	12	2.19	1250	X	0.07	70	X	0.06	2	37	10	X	2	4	X	205	X	40	X	10
D	FS4268	471028	5396075	AGD66	55	X	X	21929	X	52	X	0.03	X	37	6	26	30	4.99	2800	X	0.21	143	X	0.06	8	93	7	X	7	3	X	980	X	92	X	23
D	FS4269	471060	5396113	AGD66	55	X	X	47653	5	86	X	0.04	X	36	17	49	182	8.37	2573	X	0.39	313	1	0.06	16	115	19	X	18	4	X	1392	X	169	X	68
D	FS4270	471088	5396153	AGD66	55	X	X	25212	X	55	X	0.03	X	35	3	34	19	2.84	2476	X	0.14	109	X	0.06	6	61	11	4	5	3	X	338	X	51	X	16
D	FS4271	471118	5396194	AGD66	55	X	X	37848	X	57	X	0.02	X	28	6	44	29	4.92	2440	X	0.18	246	X	0.06	8	70	10	2	8	3	X	265	X	98	X	24
D	FS4272	471150	5396232	AGD66	55	X	X	16928	X	73	X	0.03	X	33	2	22	9	2.43	2061	X	0.08	414	1	0.07	6	68	10	X	3	5	X	315	X	46	X	10
D	FS4273	471186	5396269	AGD66	55	X	X	5613	X	51	X	0.06	X	X	X	8	3	1.03	1669	X	0.04	301	X	0.11	2	71	5	X	X	6	X	187	X	10	X	5
D	FS4274	471218	5396305	AGD66	55	X	X	1847	X	37	X	0.07	X	X	X	10	6	1.01	789	X	0.03	156	3	0.1	6	24	2	X	X	10	X	89	X	4	X	3
D	FS4275	471250	5396346	AGD66	55	X	X	2128	X	42	X	0.04	X	X	X	8	3	1.19	906	X	0.02	137	X	0.12	1	34	3	X	X	5	X	137	X	4	X	3
D	FS4276	471283	5396384	AGD66	55	X	X	6948	X	31	X	0.03	X	X	X	18	6	1.84	909	X	0.03	142	4	0.07	9	55	5	3	X	5	X	120	X	16	X	5
D	FS4277	471317	5396422	AGD66	55	X	X	4516	X	61	X	0.05	X	X	X	10	3	1.11	1114	X	0.03	117	X	0.1	1	50	6	X	X	8	X	41	X	9	X	3
D	FS4278	471355	5396454	AGD66	55	X	X	3240	X	29	X	0.03	X	31	X	12	5	1.06	1188	X	0.04	108	3	0.09	6	31	2	X	X	3	X	155	X	8	X	3
D	FS4279	471391	5396493	AGD66	55	1	X	31452	16	122	X	0.05	X	46	1	61	16	2.33	3228	X	0.11	65	2	0.09	9	88	34	2	3	10	2	13	X	44	X	7
D	FS4280	471437	5396509	AGD66	55	X	X	10629	5	134	X	0.05	X	61	X	32	8	1.15	2641	28	0.07	45	X	0.1	4	93	10	X	1	8	X	12	X	12	X	6
D	FS4281	470742	5396086	AGD66	55	X	X	1218	X	24	X	0.03	X	X	X	9	3	1.55	467	X	0.02	160	X	0.08	2	X	2	X	X	4	X	306	X	8	X	3
D	FS4282	470774	5396125	AGD66	55	X	X	1805	X	31	X	0.04	X	X	X	10	5	1.18	503	X	0.02	104	3	0.08	7	32	2	X	X	5	X	266	X	9	X	4
D	FS4283	470817	5396153	AGD66	55	3	X	6532	X	67	X	0.05	X	29	X	10	3	1.61	2041	X	0.06	214	X	0.07	2	57	4	X	1	4	X	300	X	17	X	9
D	FS4284	470850	5396191	AGD66	55	X	X	20278	6	158	X	0.17	X	66	11	20	22	1.91	3379	23	0.19	602	1	0.08	7	106	20	X	3	13	X	72	X	32	X	35
D	FS4285	470885	5396226	AGD66	55	X	X	3015	X	44	X	0.07	X	20	X	8	3	0.91	912	X	0.03	93	X	0.09	2	63	4	X	X	5	X	110	X	6	X	4
D	FS4286	470920	5396262	AGD66	55	X	X	3566	X	41	X	0.05	X	21	X	14	7	1.22	1514	X	0.03	130	3	0.1	8	46	3	X	X	5	X	110	X	6	X	4
D	FS4287	470953	5396300	AGD66	55	X	X	2608	X	44	X	0.06	X	X	X	9	6	1.4	1285	X	0.03	178	2	0.09	X	52	2	X	X	8	X	141	X	5	X	4
D	FS4288	470983	5396341	AGD66	55	X	X	2494	6	90	X	0.07	X	X	1	19	17	3.21	903	X	0.03	298	6	0.08	12	80	9	3	X	8	X	109	X	6	3	4
D	FS4289	471018	5396376	AGD66	55	X	X	11250	X	214	X	0.24	X	84	X	4	9	1.09	3524	35	0.07	5185	X	0.09	2	146	5	2	1	18	X	15	X	5	X	8
D	FS4290	471052	5396412	AGD66	55	X	X	9622	X	58	X	0.04	X	X	X	7	2	0.81	1168	X	0.04	61	X	0.09	3	49	2	X	X	4	X	32	X	6	X	4
D	FS4291	471093	5396443	AGD66	55	X	X	1411	X	33	X	0.05	X	X	X	7	2	1.04	620	X	0.02	131	X	0.08	1	36	2	X	X	6	X	124	X	3	X	2
D	FS4292	471131	5396477	AGD66	55	X	X	1605	X	41	X	0.06	X	X	X	11	5	1.03	697	X	0.03	431	3	0.09	7	42	2	X	X	5	X	79	X	3	X	3
D	FS4293	471162	5396515	AGD66	55	X	X	2208	X	20	X	0.05	X	X	X	7	2	0.97	729	X	0.02	146	X	0.09	X	X	2	X	X	5	X	157	X	8	X	2
D	FS4294	471203	5396548	AGD66	55	X	X	7381	X	25	X	0.04	X	24	X	14	3	0.96	1201	X	0.05	66	1	0.11	4	40	3	X	X	4	X	153	X	19	X	4
D	FS4295	471226	5396591	AGD66	55	X	X	12144	X	44	X	0.05	X	X	X	18	3	1.14	1160	X	0.05	84	X	0.1	5	39	5	X	1	6	X	174	X	20	2	4
D	FS4296	471072	5396741	AGD66	55	X	X	1846	X	16	X	0.04	X	X	X	10	4	0.96	263	X	0.02	94	2	0.1	6	34	3	X	X	3	X	137	X	5	X	3
D	FS4297	471036	5396705	AGD66	55	X	X	1074	X	21	X	0.05	X	X	X	8	3	1.29	338	X	0.02	152	X	0.11	3	32	2	X	X	5	X	210	X	5	X	3
D	FS4298	471000	5396672	AGD66	55	X	X	10668	X	23	X	0.04	X	X	X	20	3	1.3	507	X	0.03	122	2	0.06	6	42	3	X	X	4	X	153	X	19	X	4
D	FS4299	470966	5396635	AGD66	55	X	X	6265	X	28	X	0.06	X	X	X	14	2	1.35	653	X	0.03	154	X	0.1	2	40	5	X	X	6	X	99	X	13	X	3
D	FS4300	470931	5396599	AGD66	55	X	X	8451	X	44	X	0.05	X	X	X	15	4	1.28	1237	X	0.05	142	2	0.09	6	62	9	X	X	6	X	90	X	13	X	4
D	FS4301	470899	5396561	AGD66	55	X	X	1890	X	33	X	0.06	X	X	X	9	3	1.18	773	X	0.03	139	X	0.12	1	38	5	X	X	5	X	154	X	4	2	2
D	FS4302	470866	5396524	AGD66	55	1	X	6824	X	72	X	0.05	X	32	X	11	4	1.18	1163	X	0.04	312	1	0.07	5	63	9	X	X	7	X	97	X	8	X	5
D	FS4303	470829	5396492	AGD66	55	1	X	16676	9	107	X	0.05	X	29	X	20	9	1.46	2527	X	0.07	249	X	0.08	3	67	54	2	2	13	X	29	X	23	X	12
D	FS4304	470799	5396450	AGD66	55	5	X	34026	29	148	X	0.05	X	37	X	37	32	1.41	2640	X	0.12	103	3	0.07	8	134	690	14	3	11	X	55	X	50	X	12
D	FS4305	470765	5396413	AGD66	55	X	X	4444	9	45	X	0.06	X	X	X	9	2	0.78	1312	X	0.03	79	X	0.1	X	25	5	X	X	9	X	22	X	8	X	3
D	FS4306	470730	5396377	AGD66	55	X	X	3589	18	37	X	0.07	X	X	X	11	5	1.57	973	X	0.03	128	2	0.07	4	54	9	X	X	8	X	50	X	14	X	3
D	FS4307	470688	5396348	AGD66	55	X	X	12747	8	94	X	0.03	X	X	X	18	2	1.29	2554	X	0.06	82	X	0.06	2	44	6	3	2	6	X	131	X	24	X	5
D	FS4308	470655	5396310	AGD66	55	X	X	1232	X	22	X	0.04	X	X	X	9	5	0.96	591	X	0.02	106	2	0.08	6	38	2	X	X	5	X	191	X	4	X	3
D	FS4309	470627	5396269	AGD66	55	X	X	13424	5	58	X	0.02	X	38	3	18	7	1.6	2781	X	0.11	206	X	0.06	3	42	6	2	2	3	X	184	X	27	X	7
D	FS4310	470595	5396232	AGD66	55	X	X	13468	X	75	X	0.07	X	35	2	20	13	2.42	2342	X	0.1	502	1	0.06	7	74	6	X	3	8	X	291	X	40	X	10
D	FS4311	470417	5396366	AGD66	55	2	X	8912	18	48	X	0.02	X	21	X	12	6	1.94	1768	X	0.04	52	X	0.06	3	46	43	X	1	5	X	37	X	25	X	5
D	FS4312	470453	5396401	AGD66	55	X	X	609	X	7	X	0.02	X	X	X	X	1	0.2	259	X	X	14	X	0.07	2	X	2	X	X	2	X	12	X	X	X	2
D	FS4313	470493	5396433	AGD66	55	1	X	12480	16	68	X	0.03	X	X	1	53	25	2.28	2565	X	0.06	66	X	0.1	6	70	53	3	5	6	X	11	X	35	X	11
D	FS4314	470527	5396470	AGD66	55	X	X	7628	X	32	X	0.04	X	X	1	20	5	1.26	1565	X	0.04	85	1	0.1	4	55	10	X	1	5	2	74	X	20	X	5
D	FS4315	470563	5396504	AGD66	55	X	X	3724	X	25	X	0.03	X	X	X	8	9	1.16	800	X	0.02	82	X	0.08	3	39	54	X	1	3	X	14	X	15	X	24
D	FS4316	470595	5396543	AGD66	55	X	X	23627	13	80	X	0.04	X	26	X	28	39	2.04	2005	X	0.08	85	X	0.06	7	60	66	2	3	6	3	18	X	40	X	24
D	FS4317	470629	5396580	AGD66	55	X	X	4005	X	54	X	0.05	X	X	X	7	4	1.12	898	X	0.03	110	X	0.08	2	34	6	X	X	7	X	83	X	6	X	6
D	FS4318	470655	5396623	AGD66	55	X	X	1054	X	25	X	0.04	X	X	X	13	6	1.42	552	X	0.02	147	3	0.09	7	44	2	X	X	4	X	198	X	3	X	3
D	FS4319	470677	5396672	AGD66	55	X	X	1612	X	86	X	0.06	X	X	X	8	3	1.14	798	X	0.03	112	X	0.12	2	80	9	X	X	12	X	46	X	3	X	4
D	FS4320	470727	5396693	AGD66	55	X	X	11751	9	48	X	0.05	X	20	X	23	3	1.4	1667	X	0.05	148	1	0.06	5	60	11	X	1	9	X	55	X	20	X	4
D	FS4321	470752	5396737	AGD66	55	X	X	2747	X	28	X	0.04	X	X	X	9	2	1.07	796	X	0.03	109	X	0.09	1	46	2	X	X	6	X	90	X	6	X	2
D	FS4322	470792	5396769	AGD66	55	X	X	935	X	24	X	0.06	X	X	X	10	5	1.08	284	X	0.02	139	2	0.08	6	46	1	X	X	6	X	152	X	3	X	2
D	FS4323	470825	5396806	AGD66	55	X	X	2687	X	23	X	0.08	X	X	X	9	3	1.1	465	X	0.02	147	X	0.11	3	46	1	X	X	8	X	345	X	7	X	3

D	FS4324	470867	5396836	AGD66	55	X	X	12359 X		19 X	0.02 X	X	X		15	3	1.03	498 X		0.03	53	1	0.05	8	31	6 X		1	3 X		232 X	18 X	5
D	FS4325	470901	5396873	AGD66	55	X	X	1602 X		8 X	0.02 X	X	X		5	1	0.66	177 X		0.01	74 X		0.05	1	25	1 X	X		2 X		151 X	4 X	2
D	FS4326	470725	5396992	AGD66	55	X	X	907 X		22 X	0.04 X	X	X		12	6	1.34	354 X		0.02	147	3	0.1	8	47	2 X	X		5 X		152 X	3 X	3
D	FS4327	470687	5396959	AGD66	55	X	X	4807 X		24 X	0.04 X	X		1	11	2	1.02	451 X		0.03	109 X		0.08	3	47	4 X	X		4 X		225 X	9 X	5
D	FS4328	470651	5396924	AGD66	55	X	X	835 X		16 X	0.06 X	X	X		8	4	0.81	204 X		0.02	109	2	0.09	6	27 X	X	X		4 X		170 X	4 X	3
D	FS4329	470613	5396892	AGD66	55	X	X	4728	6	49 X	0.04 X		33 X		15	5	1.46	1482 X		0.04	92 X		0.08	2	68	6 X	X		6 X		46 X	12 X	3
D	FS4330	470578	5396851	AGD66	55	X	X	6866	9	54 X	0.03 X		36 X		16	5	0.99	2229 X		0.06	58	2	0.08	5	51	6 X		1	4 X		39 X	14 X	4
D	FS4331	470550	5396811	AGD66	55	X	X	2926 X		45 X	0.09 X	X	X		9	3	1.15	1556 X		0.04	155 X		0.1	3	57	2 X	X		9 X		43 X	5 X	4
D	FS4332	470514	5396779	AGD66	55	X	X	1053 X		25 X	0.07 X	X	X		9	4	0.88	499 X		0.03	101	2	0.08	6	31	2 X	X		5 X		99 X	4 X	4
D	FS4333	470490	5396732	AGD66	55	X	X	2881 X		78 X	0.06 X	X		1	8	2	0.85	782 X		0.05	89 X		0.08	2	101	7 X	X		8 X		69 X	4 X	5
D	FS4334	470457	5396693	AGD66	55	X	X	1381 X		21 X	0.04 X	X	X		10	5	1.17	493 X		0.02	108	3	0.08	7	31	2 X	X		3 X		167 X	5 X	5
D	FS4335	470426	5396654	AGD66	55	X	X	5415 X		36 X	0.05 X	X		1	8	5	0.88	966 X		0.03	66 X		0.09	3	43	5 X		1	7 X		17 X	10 X	8
D	FS4336	470390	5396621	AGD66	55	X	X	18892	21	48 X	0.03 X	X		5	118	54	5.57	1978 X		0.06	180	1	0.06	16	186	40	4	12	4	3	23 X	73 X	57
D	FS4337	470352	5396588	AGD66	55	X	X	30454	17	79 X	0.06 X	X		9	162	31	6.54	2007 X		0.1	931 X		0.07	36	191	40	3	13	7 X		120 X	129 X	62
D	FS4338	470317	5396547	AGD66	55	X	X	46508	13	80 X	0.18 X		31	68	280	53	6.85	2472 X		0.15	1463	1	0.09	59	233	42	7	21	11	2	83 X	179 X	52
D	FS4339	470275	5396524	AGD66	55	X	X	35547	10	121 X	0.11 X		53	86	45	12	3.42	1956 X		0.18	2278 X		0.08	20	164	35	4	6	10 X		54 X	76 X	36
D	FS4340	470242	5396487	AGD66	55	X	X	4828 X		41 X	0.04 X		21	1	16	5	2.25	1450 X		0.03	106	2	0.11	7	78	7	2	1	4 X		181 X	16 X	12
D	FS4341	470127	5396671	AGD66	55	X	X	10849 X		55 X	0.31 X		22	2	22	4	2	1310 X		0.14	118 X		0.14	10	153	9 X		2	15 X		144 X	25 X	20
D	FS4342	470161	5396708	AGD66	55	X	X	30259	6	115 X	0.11 X		53	15	40	12	2.35	1675	22	0.15	137 X		0.09	23	220	25 X		5	10 X		67 X	49 X	29
D	FS4343	470194	5396746	AGD66	55	X	X	5406	9	31 X	0.04 X	X	X		8	3	1.17	1179 X		0.03	63 X		0.08	1	59	57	2 X		4 X		57 X	12 X	5
D	FS4344	470230	5396781	AGD66	55	X	X	2388 X		32 X	0.06 X	X	X		9	4	1.15	621 X		0.03	111	2	0.1	6	45	4 X	X		7 X		228 X	7 X	5
D	FS4345	470007	5396825	AGD66	55	X	X	3882 X		27 X	0.05 X		22 X		7	3	0.52	638 X		0.04	57 X		0.11	2	76	3 X	X		5 X		307 X	8 X	5

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APPENDIX II

Rock Chip Sample Data

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-10
H0201	End Date of Data Acquisition	Sep-11
H0202	Data Format	SG2
H0203	Number of Data Records	29
H0204	Date of Metadata Update	Sep-11
H0500	Feature Located	Sample Point
H0501	Geodetic Datum	AGD66
H0502	Vertical Datum	N/A
H0503	Projection	AMG
H0504	Projection Zone	55
H0505	Surveying Instrument	Handheld GPS
H0506	Surveying Company	Greatland Pty Ltd
H0600	Sample Code	rockchip
H0601	Sample Type	rockchip
H0602	Sample Description	grab
H0700	Sample Prep Code	SSMG
H0701	Sample Prep Details	75micron
H0702	Job No	1109311
H0800	Assay Code	AR10/GF AI
H0801	Assay Company	Genalysis Laboratories
H0802	Assay Description	Aqua Regia AAS OES
H0900	Remarks	below detection = X

H1000	Sample No	AMG East	AMG North	Datum	Zone	Lithology	Au	Au-Rp1	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W	Zn
H1001		metres	metres				ppb	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002							1	1	0.5	20	5	2	2	0.01	0.5	20	1	2	1	0.01	20	20	0.01	1	1	0.01	1	20	1	2	1	1	2	5	2	2	2	1
H1003		1	1				AR10/GF	AR10/GF	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE	AR10/OE
D	140101	470597	5396757	AGD66	55	sandstone	X		X		2410	5	31	X	0.02	X	X	X	6	2	0.94	1092	X	0.02	57	X	0.03	X	39	12	X	X	2	X	6	X	6	X	1
D	140102	470743	5396556	AGD66	55	schist	X		X		7702	11	51	X	0.02	X	73	2	7	27	2.63	2256	34	0.11	271	X	0.04	7	235	432	3	3	4	X	34	X	11	X	51
D	140103	470514	5396581	AGD66	55	quartzite	X		X		2397	X	88	X	0.02	X	X	X	4	9	0.72	1040	X	0.02	81	X	0.03	X	93	120	X	X	4	X	17	X	3	X	5
D	140104	470447	5396626	AGD66	55	gossan		100	108	1.4	6787	195	15	16	0.08	2.9	23	30	3	293	39.26	453	X	0.07	493	X	0.04	207	1139	93	X	37	2	5	7	X	18	X	2835
D	140105	470959	5396137	AGD66	55	dolerite	X		X		31398	X	49	X	1.67	X	39	45	62	64	6.9	2178	X	4.33	988	1	0.7	200	1155	2	X	3	175	X	2749	4	50	X	87
D	140112	470749	5396426	AGD66	55	schist	X		X		2706	45	22	X	0.02	X	X	X	7	53	2.42	1037	X	0.01	38	X	0.03	2	43	6	3	1	3	X	6	X	6	X	X
D	140113	470750	5396421	AGD66	55	schist		2	X		5617	30	40	X	0.01	X	X	X	13	15	1.84	2376	X	0.02	17	7	0.04	X	53	13	X	2	4	X	6	X	7	X	X
D	140114	470741	5396439	AGD66	55	schist	X		X		2203	20	12	X	0.01	X	X	X	6	17	1.58	1104	X	X	72	X	0.03	3	39	3	5	X	3	X	10	X	5	X	X
D	140115	470671	5396466	AGD66	55	gossan		1	X		5503	24	12	X	0.01	X	X	X	16	22	3.41	382	X	0.01	56	X	0.04	4	98	4	X	4	2	X	14	X	12	X	2
D	140116	470540	5396552	AGD66	55	schist	X		X		4741	7	22	X	0.02	X	X	X	17	9	1.11	1206	X	0.02	49	5	0.05	5	65	92	X	3	5	X	X	59	X	42
D	140117	470545	5396556	AGD66	55	schist		2		1.2	15040	85	42	2	0.03	0.5	45	18	30	118	31.17	2496	20	0.08	289	12	0.04	120	1514	92	X	92	5	2	X	4	279	X	3071
D	140118	470456	5396604	AGD66	55	gossan		1	X		7743	63	40	X	0.02	X	34	39	15	366	8.45	1270	X	0.04	568	3	0.05	123	684	249	X	9	8	X	X	40	X	134
D	140119	470395	5396682	AGD66	55	schist	X		X		7186	X	54	X	0.02	X	58	X	X	10	0.98	2149	27	0.03	42	X	0.04	1	59	5	X	1	4	X	X	3	X	20
D	140120	470366	5396668	AGD66	55	gossan		2		0.7	9838	110	37	11	0.02	1.5	X	37	14	89	36.92	1701	X	0.05	287	3	0.04	215	2009	59	X	23	5	X	X	3	33	X	913
D	140121	470275	5396741	AGD66	55	schist	X		X		5786	X	47	X	0.03	X	52	X	X	2	0.82	1736	25	0.02	34	X	0.04	X	38	2	X	X	3	X	X	X	X	X	6
D	140122	470238	5396728	AGD66	55	schist	X		X		6324	X	74	X	0.01	X	31	1	X	5	1.29	1841	X	0.02	22	X	0.05	1	48	3	X	2	8	X	X	X	3	X	10
D	140123	470637	5396432	AGD66	55	qtz vein		1	X		2365	18	32	X	0.01	X	36	1	7	4	1.06	1160	X	0.03	83	6	0.03	1	39	1	X	X	3	X	12	X	3	10	4
D	140124	470716	5396511	AGD66	55	gossan	X		X		8771	583	110	X	X	0.7	X	124	10	106	40.54	1204	X	0.05	3358	X	0.03	297	1048	253	X	12	6	X	8	X	3	X	4254
D	140125	470889	5396269	AGD66	55	qtz vein	X		X		2748	17	32	X	0.01	X	X	3	5	6	2.62	1431	X	0.01	175	X	0.03	10	64	9	X	X	3	X	6	X	6	X	124
D	140126	471360	5396524	AGD66	55	gossan		5	X		21131	49	105	X	0.02	X	53	5	108	91	16.91	3120	26	0.07	105	4	0.03	21	695	59	X	15	20	X	X	45	X	126
D	140127	471406	5396226	AGD66	55	quartzite		9	X		5087	X	8	X	0.01	X	X	3	11	72	3.66	423	X	0.09	80	X	0.03	3	135	2	X	5	2	X	90	X	44	X	8
D	140128	471411	5396210	AGD66	55	schist		2	X		23565	X	80	X	0.01	X	22	14	30	130	8	3573	X	1.08	162	X	0.03	28	313	1	X	9	3	X	437	X	101	X	38
D	140129	470442	5396496	AGD66	55	quartzite	X		X		43761	8	51	3	0.02	X	108	9	21	105	9.92	2218	63	1.47	147	X	0.03	99	1174	52	4	30	13	X	21	X	125	X	171
D	140130	470512	5396564	AGD66	55	breccia		2	X		11832	44	43	X	0.02	X	26	12	31	172	19.53	1965	X	0.06	98	10	0.04	72	1509	162	X	45	5	X	8	X	60	X	1257
D	140131	470647	5396690	AGD66	55	sandstone	X		X		2930	X	98	X	0.01	X	X	X	4	6	0.96	1186	X	0.03	49	X	0.03	1	35	3	X	X	1	X	8	X	6	X	7
D	140132	470408	5396696	AGD66	55	schist	X		X		14194	X	95	X	0.02	X	42	X	2	2	1.13	3935	21	0.05	36	X	0.05	2	51	1	X	1	5	X	X	2	X	7
D	140133	470325	5396684	AGD66	55	schist		3	X		15681	84	65	2	0.02	X	118	X	39	19	4.07	1338	49	0.03	22	X	0.05	5	289	127	2	17	8	X	X	66	X	3
D	140134	470245	5396648	AGD66	55	quartzite	X		X		3110	22	22	X	0.01	X	X	X	4	5	1	1018	X	0.02	38	X	0.03	1	74	5	X	2	3	X	5	X	5	X	2
D	140135	470169	5396759	AGD66	55	gossan		1	X		6630	42	29	3	0.02	X	X	18	4	16	29.21	1117	X	0.04	136	3	0.04	87	1931	33	X	11	2	X	X	17	X	449

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APPENDIX III

Geological Mapping Notes

To: Greatland Pty Ltd
Attn: Callum Baxter

Re: NOTES on Geology and Geochemistry of the D4 prospect area.

Methodology

Mapping was done by foot traversing of the subject area using a hand-held GPS and following a field assistant (Neil Ferguson/Christine Earthrowl) on a predetermined compass course. At all outcrops, sub-outcrops and if necessary rubble, a waypoint was recorded and geological notes made into a field book. Any significant rocks were sampled and assigned a sample number in the 140xxx series and additional data recorded on the sample tag book. These data were all subsequently transferred to an excel spreadsheet.

During traversing several old costeans, pits, shafts and adits were discovered. They have been plotted on the geology map. These had apparently been sampled by Greatland in previous years (2008).

Access

Access to the D4 area was via bitumen roads south from Deloraine then on to well maintained gravel logging tracks as shown on the geology map. Foot traversing was relatively easy amongst variable hilly in part logged slopes.

The north-western part of the area was not accessed due to reluctance of the freehold landowner to give permission.

Geology: Rock Types

(1) Conglomerates: This rock type is confined to the northern and northeastern parts of the prospect area. The conglomerate is of varying clast size up to 20mm and both polymictic and oligomictic varieties were seen. Matrix was variable and appeared in some places to be volcaniclastic. This unit is interbedded with the sandstone in places.

(2) Sandstone: The mapped areas of sandstone in the central and eastern parts of the prospect are always interbedded with the conglomerates. The sandstones are generally saccharoidal and buff coloured.

(3) Schist: The schists in the mapped area include quartz-sericite (muscovite), chlorite and graphitic varieties. They are poorly outcropping and intruded with quartz veining throughout.
Several occurrences of gossanous rocks have been identified within the schists.

(4) Quartzite: A massive, platy in place banded quartzite has been mapped in the western part of the grid. In this area it is often brecciated and in places gossanous. Soil sample results suggest the quartzite may be a facies of the schist to the east and is interbedded.

It is tentatively interpreted to continue to the southern part of the grid.

(5) Quartz Veining: Much suboutcrop and rubble of quartz vein material was encountered, mainly in the area interpreted to be underlain by schists in the central part of the mapped area.

Geology: Structure

Some structural information was gleaned from the outcrops during the traversing; this is shown on the spreadsheet with other information.

Of the more than 130 geological waypoints recorded only 23 were of outcrop, 10 of which showed some recordable structural information.

The interpreted faults shown on the geology map fit quite well with the soil sample results.

Rock Sample Assay Results

Referring to the assay results with statistics as shown, the following comments are made:

Element	Units	Max	(Sample #)	Av	Min
Au	ppb	100	(140104)	16.5	1
Ag	ppm	1.4	/	1.1	0.7
Al	ppm	43761	(140129)	9834	2203
As	ppm	583	(140124)	73	5
Ba	ppm	110	(140124)	48	8
Bi	ppm	16	(140104)	6	2
Ca	%	1.67	(140105)	0.08	0.01
Cd	ppm	2.9	(140104)	1.4	0.5
Ce	ppm	118	(140133)	51	22
Co	ppm	124	(140124)	23	1
Cr	ppm	108	(140126)	18	2
Cu	ppm	366	(140118)	63	2
Fe	%	40.54	(140124)	9.62	0.72
K	ppm	3935	(140132)	1655	382
La	ppm	63	(140129)	33	20
Mg	%	4.33	(140105)	0.28	0.01
Mn	ppm	3358	(140124)	271	17
Mo	ppm	12	(140117)	5	1
Na	%	0.7	(140105)	0.06	0.03
Ni	ppm	297	(140124)	61	1
P	ppm	2009	(140120)	506	35
Pb	ppm	432	(140102)	65	1
Sb	ppm	5	/	3	2
Sc	ppm	92	(140117)	15	1
Sr	ppm	175	(140105)	11	1
Te	ppm	5	/	4	2
Ti	ppm	2749	(140105)	191	5
Tl	ppm	4	/	4	3
V	ppm	279	(140117)	36	2
W	ppm	10	/	10	10
Zn	ppm	4254	(140124)	524	1

From the above results it can be seen that the following samples have returned possibly significant results:

- **Sample 140124** from coords 470716E, 5396511N: Gossan, boxwork, banded, limonitic; returned maximum values in As, Ba, Co, Fe, Mn, Ni and Zn.

- **Sample 140104** from coords 470447E, 5396626N: Gossan, hematite boxwork within brecciated chlorite schist; returned maximum values in Au, Bi and Cd.

Another two samples (140105 and 140117) returned maxima in Ca, Mg, Na, Sr, Ti and Mo, Sc and V respectively.

Of these four samples, 140124, 140104 and 140117, came from within or near schist lithologies in the northwest of the grid as shown on the geology map in red.

Sample 140105, which is probably a glacial erratic, came from the south of the grid.

Soil sample Results

Soil results supplied by Greatland are summarised:

Au: max was 5ppb from a single unsupported sample from within schist central in the grid. Significantly this sample is 400m away from the 100ppb rock sample result, and the rock sample site produced no soil Au values above DL nearby.

As: max was 29ppm from schist with support to the northwest trending into the mapped quartzite.

Cu: max was 182ppm from near the schist/quartzite contact in the south. Another area of slight anomalism, with a max of 53ppm, occurs within the quartzite/schist to the west.

Ni: max of 59ppm with some support within the quartzite to the west.

Pb: a significant max of 690ppm from within the schist with moderately high support in an area trending north-west into the mapped quartzite .Compared to other base metal results in soils the lead values are by far the most anomalous.

Zn: max value of only 68ppm which is low considering the high rock sample assay of 4254ppm obtained. The area from which the high rock sample came does show some soil sample support up to 62ppm trending into the quartzite.

Ba: max of 214ppm with a broad interfingering contour pattern paralleling the strike of the strata.

Conclusions

The geology map produced from the foot traversing of the area has defined the distribution of the stratigraphy in more detail than shown on government mapping.

The mapped schists are presumably the *Ptp Qtz-Muscovite Schist/Phyllite* as per government mapping? If this is the case the grid mapping has shown them to be more widespread.

The grid mapping of the Quartzite checks with the government mapped *Pts Massive platy quartzite.*

The base metal values from the 29 rock samples collected are not overly significant: Co 124ppm, Cu 366, Ni 297, Pb 432 and Zn 4254. Only the Zn value is high and may be due to Mn scavenging as the maxima in Zn and Mn came from the same sample (140124).

Only the Au value of 100ppb from sample 140104 would be statistically regarded as anomalous.

The soil sample results show no significant base metal values, but the soil sample results do show a trend of values into the mapped quartzite in the west of the grid area. This suggests that the mapped quartzite may be a facies of the schist unit as mentioned above.

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Recommendations

In view of some of the base metal soil values coming from the separately mapped quartzite unit in the west of the grid, it is recommended that further geological mapping be done in that area to determine whether that unit is in fact interbedded with the schists.

The site of the 690ppm Pb soil sample (470800E/5396450N) should be revisited to identify the source rock and take infill soil samples.

Similarly the site of the 100ppb Au rock sample (470447E/5396626N) should be resampled.

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