

Annual Report
for EL35/2007 Southern Cross
for the Period 19 December 2011 to 18 December 2012

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Date: November 2012

ABSTRACT

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania. It lies some 20km north-east of the town of Scottsdale. The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period included soil sampling, rock chip sampling and geological mapping at the Oxberry prospect.

KEYWORDS

Geology/Mineralisation

Mathinna Group

Minerals

Gold

Deposits/Occurrences

None

COORDINATES

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

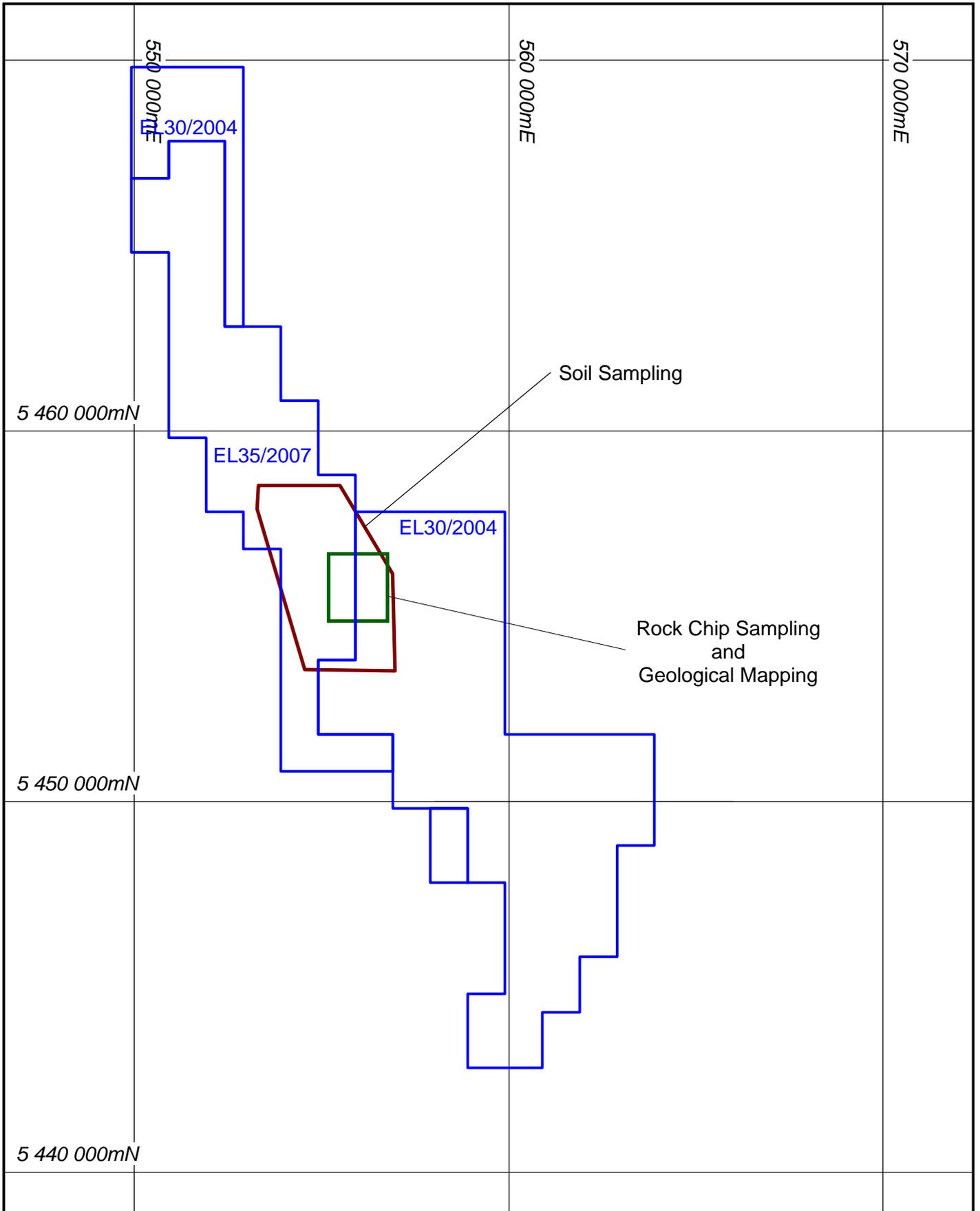
All AMG co-ordinates in this report refer to the AGD66 Datum - Zone55

FILE SUMMARY LIST

File Name	Format	Contents
el352007_201211_01_report.pdf	pdf	report
el352007_201211_02_geochem.txt	txt	data
el352007_201211_03_geochem.txt	txt	data

SUMMARY OF ACTIVITIES FOR EL35/2007 SOUTHERN CROSS FOR THE PERIOD 19 DECEMBER 2011 TO 18 DECEMBER 2012

- Soil Sampling
- Rock Chip Sampling
- Geological Mapping



AGD66-ZONE55

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EL35/2007 SOUTHERN CROSS

Exploration Index Map



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1.0 Introduction

This report details the exploration activities completed within EL35/2007 during the period 19 December 2011 to 18 December 2012. The lease is located 20km north-east of Scottsdale in north-east Tasmania.

The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period included geological mapping and soil sampling at the Oxberry prospect.

2.0 Tenement Details

EL35/2007 Southern Cross was applied for by Greatland Pty Ltd during May 2007 and was granted during December 2007. A voluntary reduction was approved in January 2010 reducing the tenement area to 42sq km. Tenement details are shown in Table 1.

Table 1 – Tenement Details

Tenement	Holder	Date Granted	Size
EL35/2007 Southern Cross	Greatland Pty Ltd 100%	19 Dec 2007	42km ²

3.0 Location and Access

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania (Figure 1). It lies some 20km north-east of the town of Scottsdale and 20km east of the town of Bridport. The tenement forms the north-western parts of the Company's Warrentinna project (Figure 2). Land

within the southern parts of the tenement is state forest or private land under forestry plantation, while the northern parts cover private farming land.

The tenement lies within the Tasmania NE (SK55-21) 1:250,000 map sheet. It straddles the two 1:100,000 map sheets of Forester (8415) and Cape Portland (8416).

From Launceston, access to the project area is by sealed road to either Bridport or Scottsdale then east via sealed or formed gravel roads which traverse the tenement. Formed gravel roads and logging tracks provide adequate 4WD access throughout the tenement.

4.0 Geology and Mineralisation

The licence area covers some 20 strike kilometres of Mathinna Group rocks (Figure 3) which comprise metamorphosed sandstones, siltstones and mudstones of late Cambrian to Early Devonian age. The Mathinna Group metasediments, together with intrusive Devonian granites, cover much of the northeastern parts of Tasmania and are considered to be equivalent to rocks of the Melbourne Trough which host the bulk of Victoria's gold mineralisation. Goldfields in northeastern Tasmania hosted by the Mathinna group or adjacent rocks of the same age include Beaconsfield, Lefroy, Mangana, Mathinna, Alberton, Warrentinna, Forester, Waterhouse, Scamander and Portland (Figure 2).

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

5.0 Previous Exploration

Details of previous exploration can be found in Baxter (2008, 2009, 2010 and 2011). The reader is referred to these reports.

6.0 Work Carried Out During the Period

Work completed during the period included soil sampling, rock chip sampling and geological mapping at the Oxberry prospect.

Soil Sampling

Reconnaissance soil sampling was completed at the Oxberry prospect during the period. A total of 126 soil samples were collected along five east-west lines 1km apart. Sample spacing along lines was 50m. Samples were collected from depth of approximately 300mm and coarse sieved to <20mm. Approximately 1kg of sieved material was taken for analysis.

All samples were sent to Genalysis Adelaide for processing and pulps forwarded to Genalysis Perth for analysis. All samples were sieved to -80# at the laboratory and analysed for a suite of 31 elements including gold and base metals by Aqua Regia/AAS/OES. Details of analysis and all results are presented in Appendix I. Sample locations are shown on Figure 4.

Selected highest results were 5ppb Au, 26ppm As, 22ppm Cu, 12ppm Pb, 37ppm Zn.

Rock Chip Sampling

A total of twenty rock chip samples were collected from the Oxberry prospect during the period. Approximately 1kg of material was collected at each sample site.

All samples were sent to Genalysis Adelaide for processing and pulps forwarded to Genalysis Perth for analysis. All samples were analysed for a suite of 31 elements including gold and base metals by Aqua Regia/AAS/OES. Details of analysis and all results are presented in Appendix II. Sample locations are shown on Figure 5.

Selected highest results were 13ppb Au, 172ppm As, 42ppm Cu, 14ppm Pb, 68ppm Zn.

Geological Mapping

Geological mapping was completed at the Oxberry prospect during the period. The dominant lithology in the Oxberry area are various siltstone/shales, generally very weathered, buff to light brown of the Silurian/Devonian Mathinna Supergroup turbidites. Some were light grey, some possibly graphitic. Quartz veins were located at several sites; micro scale quartz veining at others. Gossanous material was identified and a quartz-hematite breccia. The breccia appeared discordant to the regional geology. A geological map is presented in Appendix III.

More detailed comments on geological mapping and geochemical results at the Oxberry prospect are presented in Appendix III.

7.0 Conclusions

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania. It lies some 20km north-east of the town of Scottsdale and forms the north-western parts of the Company's Warrentinna project.

The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period included soil sampling, rock chip sampling and geological mapping at the Oxberry prospect.

References

Baxter, C., 2008. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2007 to 18 December 2008. Greatland Pty Ltd, pp11.

Baxter, C., 2009. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2008 to 18 December 2009. Greatland Pty Ltd, pp4.

Baxter, C., 2010. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2009 to 18 December 2010. Greatland Pty Ltd, pp4.

Baxter, C., 2011. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2010 to 18 December 2011. Greatland Pty Ltd, pp4.

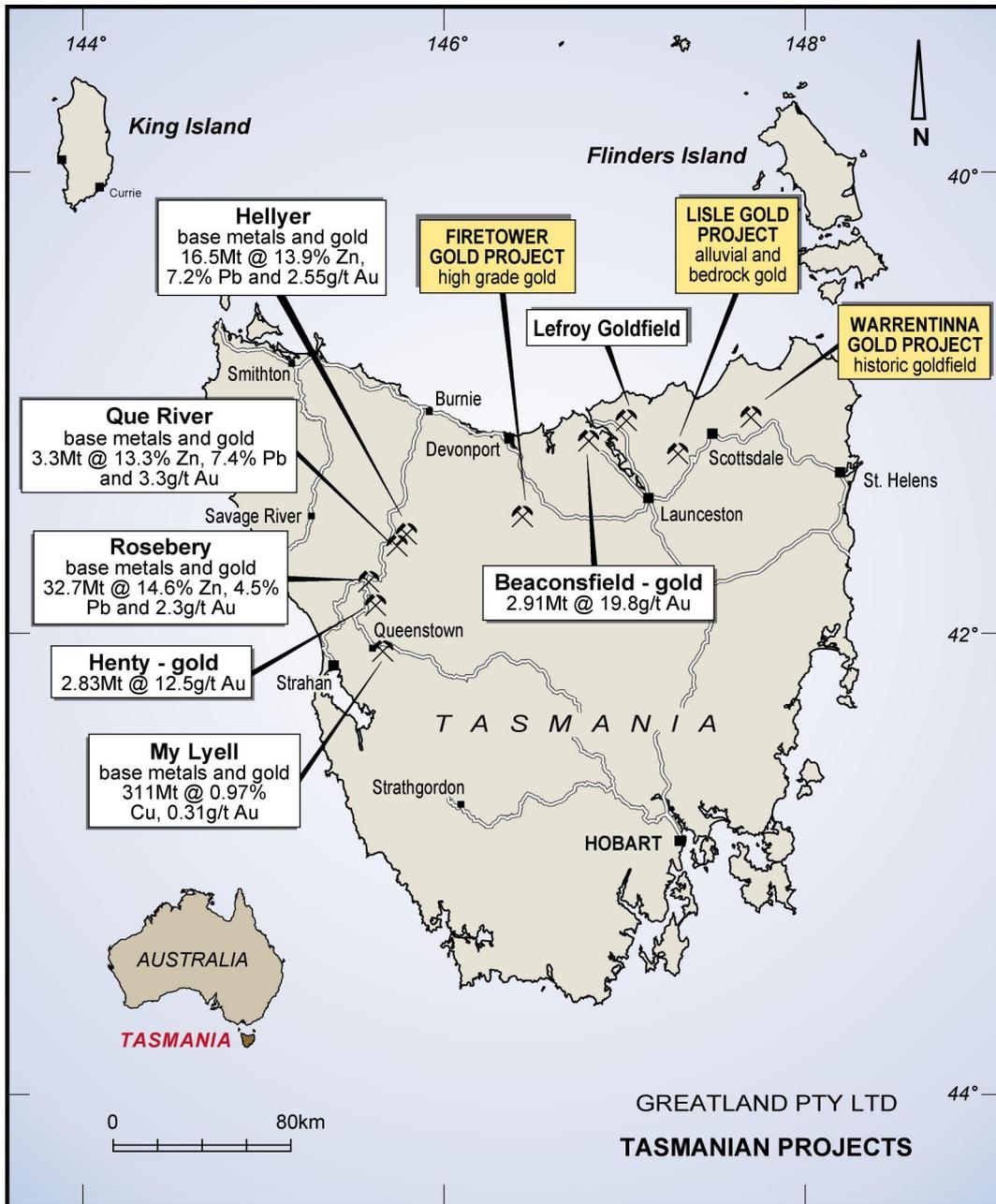


Figure 1 – Project Location Map

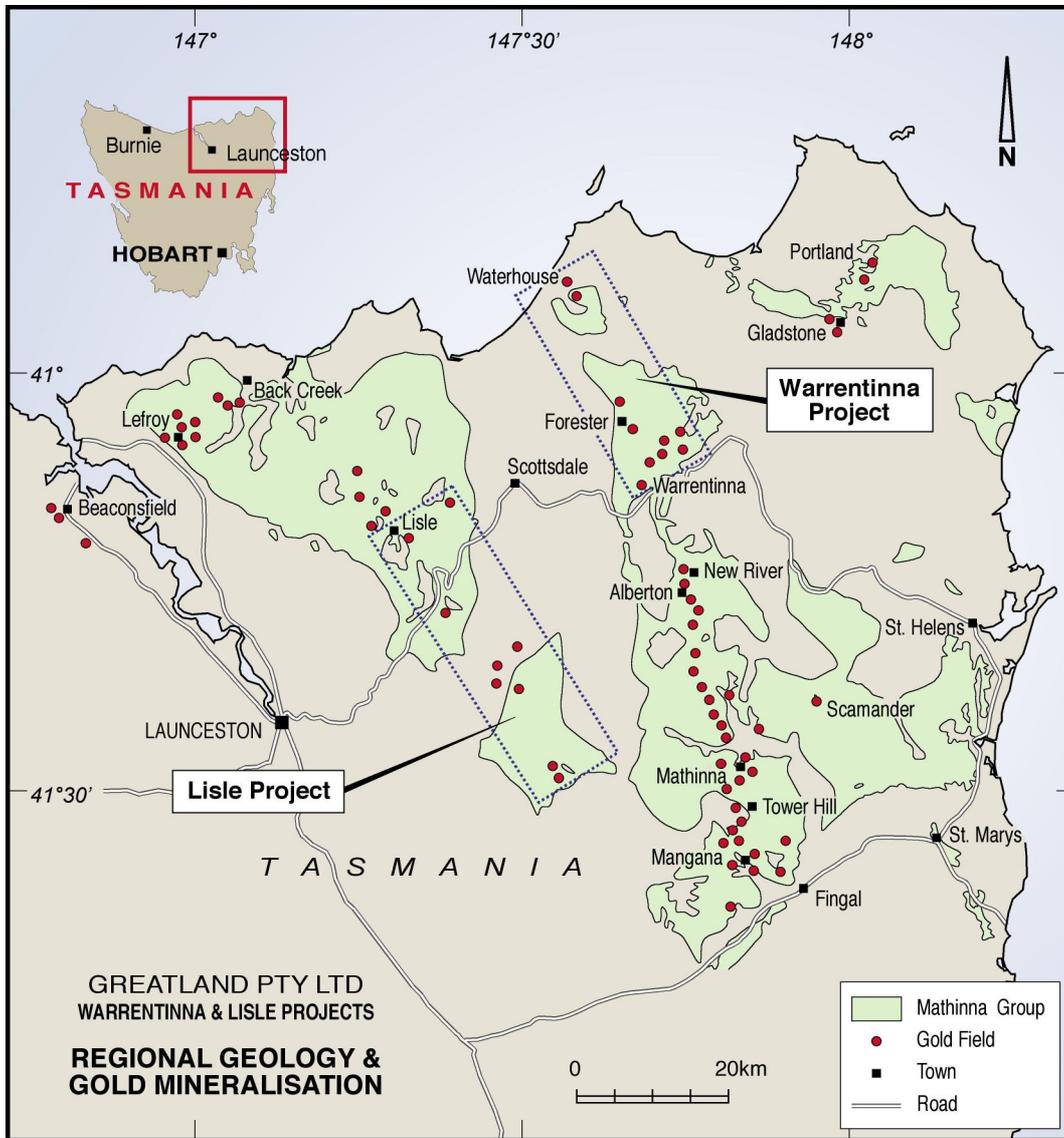
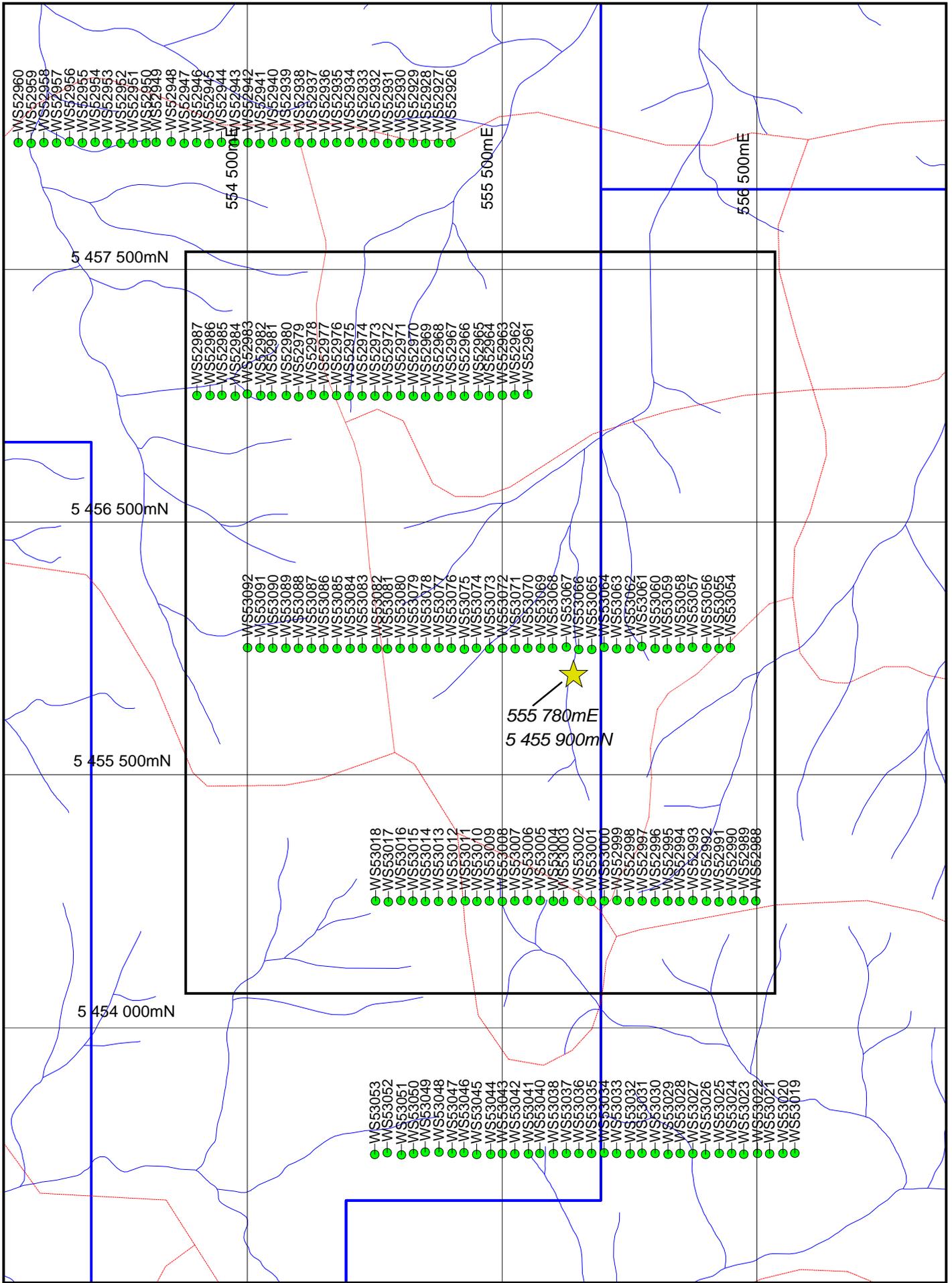
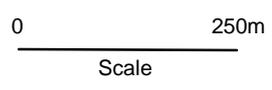


Figure 2 – Regional Geology



Co ordinates - AGD66 Zone55



Legend

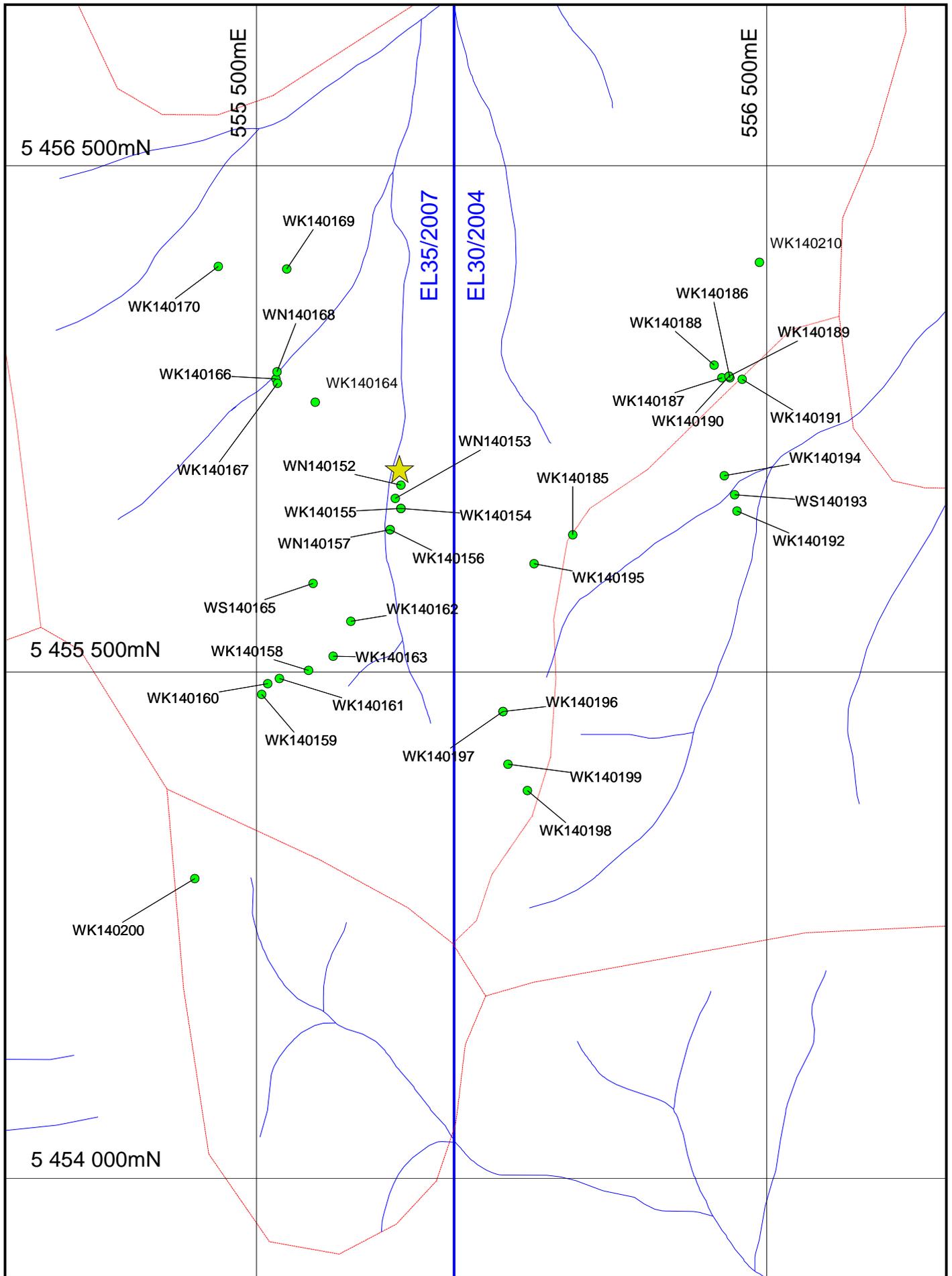
- ★ Panned Gold
- Soil Sample Site

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OXBERRY AREA

Soil Samples

Figure 4



Co ordinates - AGD66 Zone55

Scale - 1:10,000

Legend

- ★ Panned Gold
- Sample Site Dec 2011

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OXBERRY AREA
Sample Numbers

Figure 5

APPENDIX I

Soil Sample Data

Soils

H0100 Tenement No/Combined Report No EL30/2004
 H0101 Tenement Holder Greatland Pty Ltd
 H0102 Tenement Operator Greatland Pty Ltd
 H0103 Project Name Warrentinna
 H0104 250K Map Sheet SK55-21
 H0105 100K Map Sheet 8416
 H0200 Start Date of Data Acquisition Dec-11
 H0201 End Date of Data Acquisition Oct-12
 H0202 Data Format S52
 H0203 Number of Data Records 126
 H0204 Date of Metadata Update Nov-12
 H0500 Feature Located Sample Point
 H0501 Geodesic Datum AGD66
 H0502 Vertical Datum N/A
 H0503 Projection AMG
 H0504 Projection Zone 55
 H0605 Surveying Instrument Handheld GPS
 H0606 Surveying Company Greatland Pty Ltd
 H0600 Sample Code soil
 H0601 Sample Type soil
 H0602 Sample Description soil
 H0700 Sample Prep Code ssmg
 H0701 Sample Prep Details 75micron
 H0702 Job No 1201524
 H0800 Assay Code AR10/GF AR10/OE
 H0801 Assay Company Genalysis Laboratories
 H0802 Assay Description Aqua Regia AAS OES
 H0900 Remarks below detection X

H1000	Sample No	East metres	North metres	Datum	Zone	Au ppb	Ag ppm	Al ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K ppm	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Te ppm	Ti ppm	Tl ppm	V ppm	W ppm	Zn ppm								
H1002	H1003	1	1		AR10/GF																																							
D	WS52926	55299	5458001	AGD66	55	1	X		11088 X				0.18 X	68	3	20	17	1.43	1094 X		0.06	481 X		0.04	4	79	5	X						42 X		16 X	13							
D	WS52927	55250	5457999	AGD66	55	1	X		8704 X				0.13 X	69	3	38	14	1.09	1606 X		0.06	295 X		0.05	4	84	4	X						8 X		96 X	12 X	15						
D	WS52928	55230	5457998	AGD66	55	X	X		5400 X				0.06 X	63	2	11	10	0.84	885 X		0.03	86 X		0.03	3	45	2	X						5 X		167 X	10 X	13						
D	WS52929	55515	5458001	AGD66	55	X	X		14438 X				0.06 X	78	3	44	11	1.6	1466 X		0.04	58 X		0.04	4	113	4	X							1	7 X		25 X	17 X	8				
D	WS52930	555100	5458001	AGD66	55	X	X		9455 X				0.19 X	75	3	15	15	0.93	1886 X		0.08	1201 X		0.05	5	174	9	X						1	23 X		47 X	12 X	18					
D	WS52931	555051	5457998	AGD66	55	X	X		6590 X				0.1 X	65	3	28	9	0.84	1223 X		0.05	149 X		0.04	3	79	5	X						12 X		35 X	9 X	10						
D	WS52932	555000	5458001	AGD66	55	1	X		13000 X				0.04 X	79	3	18	8	1.23	1179 X		0.06	79 X		0.04	4	42	6	X						2	5 X		54 X	14 X	15					
D	WS52933	554952	5458000	AGD66	55	1	X		13647	22			0.06 X	95	3	29	7	1.13	1222 X		0.08	126 X		0.04	4	75	9	X						2	8 X		20 X	15 X	11					
D	WS52934	554900	5458002	AGD66	55	2	X		10006	16			0.02 X	75	3	14	6	1.01	1006 X		0.04	70 X		0.03	2	49	5	X					2	1	6 X		41 X	12 X	16					
D	WS52935	554851	5458001	AGD66	55	X	X		10656	5			0.05 X	88	3	25	7	0.59	1398 X		0.06	58 X		0.05	3	87	5	X							1	8 X		28 X	13 X	14				
D	WS52936	554803	5458000	AGD66	55	1	X		18559 X				0.05 X	120	5	21	12	1.16	2468	27	0.08	67 X		0.06	5	214	8	X						3	11 X		48 X	19 X	37					
D	WS52937	554752	5458000	AGD66	55	X	X		11406 X				0.12 X	121	3	22	8	0.86	1977	29	0.08	74 X		0.05	4	91	7	X						1	15 X		35 X	14 X	26					
D	WS52938	554703	5458001	AGD66	55	X	X		8519 X				0.04 X	95	3	12	8	0.76	1024 X		0.04	43 X		0.03	3	60	5	X						1	7 X		45 X	10 X	24					
D	WS52939	554650	5458002	AGD66	55	X	X		6561 X				0.06 X	107	2	11	5	1.09	742	22	0.04	50 X		0.04	2	60	4	X						2	5 X		26 X	10 X	7					
D	WS52940	554599	5458002	AGD66	55	X	X		5448 X				0.03 X	75	3	9	7	0.54	828 X		0.03	46 X		0.04	2	40	3	X								4	3 X		8 X	10 X	24			
D	WS52941	554550	5457997	AGD66	55	X	X		9006 X				0.02 X	91	3	35	6	0.88	958 X		0.03	50 X		0.04	3	33	4	X							4	4 X		86 X	11 X	15				
D	WS52942	554502	5458001	AGD66	55	X	X		8309 X				0.03 X	107	2	11	5	1.09	742	22	0.04	43 X		0.04	2	60	4	X							2	5 X		26 X	10 X	7				
D	WS52943	554451	5458001	AGD66	55	X	X		7776 X				0.05 X	101	3	35	6	1.27	759 X		0.04	45 X		0.04	3	54	6	X							3	54 X		62 X	11 X	7				
D	WS52944	554398	5458002	AGD66	55	X	X		12198 X				0.05 X	90	2	19	8	2.22	898 X		0.06	33 X		0.03	3	87	6	X							3	6 X		31 X	17 X	6				
D	WS52945	554349	5457997	AGD66	55	1	X		12715 X				0.03 X	95	2	35	5	1.2	1099 X		0.05	41 X		0.03	3	40	5	X							1	5 X		44 X	14 X	9				
D	WS52946	554301	5458001	AGD66	55	1	X		15055 X				0.02 X	89	2	22	4	1.59	792 X		0.04	29 X		0.03	3	33	5	X								3	33 X		58 X	18 X	7			
D	WS52947	554252	5457998	AGD66	55	X	X		22613 X				0.01 X	85	2	44	4	1.94	1046 X		0.04	30 X		0.04	7	40	6	X									2	4 X		39 X	27 X	8		
D	WS52948	554201	5458004	AGD66	55	2	X		14155 X				0.01 X	95	2	23	4	1.07	701 X		0.03	35 X		0.03	3	34	5	X								1	3 X		42 X	18 X	8			
D	WS52949	554142	5458002	AGD66	55	X	X		13913 X				0.03 X	108	3	29	4	0.93	701	22	0.04	48 X		0.04	4	42	6	X							1	5 X		44 X	16 X	8				
D	WS52950	554102	5458000	AGD66	55	X	X		6092 X				0.02 X	119	3	9	5	0.49	599	29	0.04	40 X		0.04	3	43	4	X									3	4 X		80 X	2 X	3		
D	WS52951	554051	5457999	AGD66	55	X	X		7571 X				0.03 X	118	3	34	5	0.95	741	26	0.04	54 X		0.04	4	47	4	X									4	4 X		79 X	9 X	8		
D	WS52952	554003	5457998	AGD66	55	X	X		9414 X				0.03 X	113	3	13	6	1	733	25	0.05	43 X		0.03	4	56	8	X									6	6 X		41 X	16 X	7		
D	WS52953	553950	5457999	AGD66	55	X	X		2855 X				0.01 X	102	3	34	5	0.39	636	22	0.03	36 X		0.03	2	31	3	X									4	4 X		115 X	5 X	4		
D	WS52954	553902	5458002	AGD66	55	5	X		12594 X				0.06 X	109	3	16	7	1.13	1167	22	0.07	38 X		0.04	4	39	5	X								1	5 X		31 X	14 X	9			
D	WS52955	553852	5458000	AGD66	55	1	X		8228 X				0.06 X	89	3	31	6	0.92	1120 X		0.05	33 X		0.03	3	45	5	X									5	5 X		14 X	12 X	4		
D	WS52956	553802	5458005	AGD66	55	1	X		12506 X				0.06 X	114	3	18	9	1.58	1078	25	0.08	50 X		0.04	6	55	10	X									1	8 X		35 X	24 X	9		
D	WS52957	553751	5458000	AGD66	55	1	X		443 X				0.03 X	57	3	33	7	0.38	98 X		0.02	34 X		0.03	3	3	X												3	3 X		140 X	2 X	3
D	WS52958	553701	5458001	AGD66	55	X	X		498 X				0.02 X	59	3	4	4	0.25	82 X		0.01	25 X		0.02	1	X		X										2	2 X		141 X	X	2	
D	WS52959	553651	5457998	AGD66	55	X	X		11215 X				0.02 X	101	2	36	6	1.28	1004 X		0.04	46 X		0.03	4	41	6	X										1	4 X		79 X	20 X	9	
D	WS52960	553600	5458001	AGD66	55	X	X		18332 X				0.02 X	91	3	17	4	1.35	996 X		0.04	32 X		0.03	7	36	5	X										1	4 X		20 X	24 X	3	
D	WS52961	553550	5457005	AGD66	55	X	X		11883 X				0.03 X	84	2	29	6																											

Soils

HH1000	Sample No	East metres	North metres	Datum	Zone	Au ppb	Ag ppm	Al ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Te ppm	Ti ppm	Tl ppm	V ppm	W ppm	Zn ppm			
HH1001		1	1				1	0.5	20	5	2	2	0.01	0.5	20	1	2	1	0.01	20	20	0.01	1	1	1	20	20	1	2	1	1	2	2	2	1				
HH1002							AR10/GF	AR10/OE																															
H1003																																							
D	WSS3012	555304	5455000	AGD66	55	X			11227 X		27 X		0.05 X		95	2	25	7	1.87	781 X		0.03	30 X		0.04	4	136	6 X				6 X		29 X	23 X	5			
D	WSS3013	555250	5454999	AGD66	55	X			17119 X		48 X		0.18 X		91	4	23	16	1.94	1462 X		0.11	443 X		0.05	10	212	7 X					16 X		48 X	21 X	26		
D	WSS3014	555199	5454999	AGD66	55		2 X		8831 X		34 X		0.06 X		105	3	26	8	1.11	1223	23	0.09	58 X		0.05	6	107	5 X	X		1		6 X		41 X	13 X	14		
D	WSS3015	555150	5455000	AGD66	55	X			3471 X		25 X		0.03 X		98	3	7	6	0.63	737 X	21	0.04	38 X		0.03	3	76	3 X	X				5 X		17 X	8 X	6		
D	WSS3016	555102	5455002	AGD66	55		1 X		6173 X		21 X		0.04 X		99	2	24	6	1.04	909	20	0.04	30 X		0.03	8	80	5 X	X					5 X		15 X	5		
D	WSS3017	555053	5454997	AGD66	55		2 X		12812 X		31 X		0.04 X		92	3	22	8	1.7	971 X		0.06	42 X		0.04	5	114	6 X	X					6 X		12 X	8		
D	WSS3018	555003	5455001	AGD66	55	X			6433 X		27 X		0.04 X		93	3	20	5	0.97	883 X		0.04	175 X		0.03	3	95	5 X	X					18 X		12 X	7		
D	WSS3035	555851	5454002	AGD66	55		2 X		15897 X		47 X		0.07 X		101	5	19	13	1.79	1719 X	20	0.12	720 X		0.03	8	178	8 X	X		1		8 X		48 X	20 X	21		
D	WSS3036	555801	5454002	AGD66	55		1 X		4220 X		78 X		0.06 X		78	2	17	5	0.55	522 X		0.03	185 X		0.02	3	94	3 X	X					6 X		98 X	7 X	5	
D	WSS3037	555752	5454002	AGD66	55		2 X		13339 X		100	3	0.06 X		101	3	15	9	1.36	1210 X		0.07	343 X		0.03	6	156	7 X	X					6 X		69 X	18 X	10	
D	WSS3038	555701	5454001	AGD66	55	X			6648 X		21 X		0.04 X		83	3	19	9	0.88	655 X		0.03	312 X		0.03	3	215	6 X	X			4 X		46 X		12 X	11		
D	WSS3040	555648	5454002	AGD66	55		4 X		27258 X		7	31 X		0.07 X	92	3	31	17	2.55	1347 X		0.11	406 X		0.04	11	323	12 X	X	2			111 X		36 X	23			
D	WSS3041	555603	5454000	AGD66	55		2 X		8004		5	27 X		0.08 X	99	3	24	10	1.03	801	23	0.04	994 X		0.02	4	266	6 X	X					6 X		36 X	14 X	16	
D	WSS3042	555550	5454000	AGD66	55		2 X		4792 X		22 X		0.05 X		114	3	9	7	0.71	973	28	0.04	69 X		0.02	4	86	4 X	X					60 X		9 X	7		
D	WSS3043	555501	5454001	AGD66	55		2 X		8707 X		36 X		0.09 X		114	3	48	12	1.35	1813	24	0.11	247 X		0.03	7	95	7 X	X					8 X		90 X	16 X	13	
D	WSS3044	555455	5453999	AGD66	55	X			4975 X		36 X		0.1 X		104	2	12	6	0.71	926	23	0.04	323 X		0.03	2	113	4 X	X					11 X		35 X	10 X	7	
D	WSS3045	555400	5453998	AGD66	55	X			11028 X		38 X		0.1 X		101	2	25	6	1.47	1143 X		0.06	144 X		0.04	4	116	6 X	X					10 X		17 X	18 X	6	
D	WSS3046	555350	5454005	AGD66	55	X			8887 X		36 X		0.06 X		119	3	13	7	0.84	1544	27	0.05	98 X		0.04	4	114	5 X	X					20 X		12 X	8		
D	WSS3047	555304	5454003	AGD66	55		2 X		4147 X		22 X		0.06 X		99	2	18	4	0.55	739	23	0.03	40 X		0.03	2	95	3 X	X					8 X		38 X	10 X	6	
D	WSS3048	555252	5454007	AGD66	55	X			4937 X		18 X		0.03 X		108	2	10	5	0.75	662	24	0.03	55 X		0.03	2	47	3 X	X					4 X		85 X	9 X	5	
D	WSS3049	555198	5454007	AGD66	55	X			8760 X		40 X		0.03 X		123	3	25	5	1	1396	28	0.07	56 X		0.04	3	52	5 X	X					53 X		16 X	11		
D	WSS3050	555152	5454001	AGD66	55	X			7638 X		38 X		0.03 X		99	3	12	5	0.91	1207	21	0.05	57 X		0.04	2	44	5 X	X					6 X		42 X	13 X	7	
D	WSS3051	555105	5453996	AGD66	55	X			13058 X		32 X		0.03 X		90	2	41	4	1.73	861 X		0.06	33 X		0.03	4	44	9 X	X		1			7 X		18 X	23 X	6	
D	WSS3052	555049	5454005	AGD66	55	X			11223 X		40 X		0.02 X		112	3	14	5	0.91	1400	25	0.06	55 X		0.04	3	41	6 X	X					5 X		29 X	11 X	11	
D	WSS3053	555000	5453998	AGD66	55		2 X		5553 X		28 X		0.02 X		98	2	21	3	0.63	881	20	0.04	45 X		0.03	2	36	3 X	X					4 X		36 X	12 X	7	
D	WSS3065	554852	5455996	AGD66	55	X			7135 X		28 X		0.03 X		91	3	25	5	1.22	1325 X		0.04	51 X		0.03	2	34	5 X	X					5 X		61 X	13 X	14	
D	WSS3066	555800	5455996	AGD66	55	X			7695 X		34 X		0.03 X		98	2	11	6	1.14	864 X		0.03	36 X		0.03	2	97	6 X	X					9 X		32 X	17 X	7	
D	WSS3067	555752	5456005	AGD66	55		2 X		27094	12	30 X		0.1 X		92	2	62	5	3.71	1196 X		0.05	27		1	0.04	5	92	9 X	X	3				6 X		21 X	38 X	4
D	WSS3068	555698	5456001	AGD66	55		2 X		6942 X		43 X		0.04 X		96	2	17	7	1.02	1270	22	0.04	35 X		0.04	3	72	5 X	X					15 X		35 X	12 X	7	
D	WSS3069	555651	5456001	AGD66	55		1 X		12162	8	33 X		0.05 X		100	2	28	4	1.35	1041 X		0.04	47 X		0.03	3	79	6 X	X					7 X		30 X	16 X	6	
D	WSS3070	555601	5456001	AGD66	55		1 X		6311 X		27 X		0.04 X		93	3	8	7	0.54	829 X		0.03	48 X		0.03	3	81	5 X	X					6 X		36 X	7 X	7	
D	WSS3071	555552	5455998	AGD66	55		2 X		15991	11	32 X		0.04 X		99	2	45	8	2.07	1196 X		0.04	31 X		0.04	4	81	6 X	X		1			6 X		27 X	22 X	10	
D	WSS3072	555502	5456001	AGD66	55		1 X		14811	7	75 X		0.16 X		105	3	21	22	1.68	1863	22	0.08	193 X		0.05	6	145	9 X	X		2		26 X		54 X	26 X	8		
D	WSS3073	555451	5455998	AGD66	55		2 X		16990	26	28 X		0.05 X		93	2	37	12	2.58	1136 X		0.06	68 X		0.04	4	189	8 X	X					47 X		29 X	10		
D	WSS3074	555399	5456001	AGD66	55		1 X		9116	15	25 X		0.06 X		97	2	14	7	1.24	1037 X		0.03	53 X		0.04	3	125	5 X	X					74 X		20 X	8		
D	WSS3075	555352	5455997	AGD66	55	X			5998	12	20 X		0.04 X		88	2	19	7	1.07	608 X		0.02	37 X		0.03	2	98	5 X	X					5 X		36 X	19 X	7	
D	WSS3076	555300	5456001	AGD66																																			

APPENDIX II

Rock Chip Sample Data

Rock Chips

H0100 Tenement No/Combined Report No EL30/2004
H0101 Tenement Holder Greatland Pty Ltd
H0102 Tenement Operator Greatland Pty Ltd
H0103 Project Name Warrentinna
H0104 250K Map Sheet SK55-21
H0105 100K Map Sheet 8416
H0200 Start Date of Data Acquisition Dec-11
H0201 End Date of Data Acquisition Oct-12
H0202 Data Format SOC2
H0203 Number of Data Records 20
H0204 Date of Metadata Update Nov-12
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 rockchip
H0700 Sample Prep Code ssmg
H0701 Sample Prep Details 75micron
H0702 Job No 1201627
H0800 Assay Code AR10/GF AR10/OE
H0801 Assay Company Genalysis Laboratories
H0802 Assay Description Aqua Regia AAS OES
H0900 Remarks below detection = X
H1000 Sample No
H1001 East metres North metres Datum Zone Au ppb Ag ppm Al ppm As ppm Ba ppm Bi ppm Ca ppm Cd ppm Ce ppm Co ppm Cr ppm Cu ppm Fe % K ppm La ppm Mg % Mn ppm Mo ppm Na % Ni ppm P ppm Pb ppm Sb ppm Sc ppm Sr ppm Te ppm Ti ppm V ppm W ppm Zn ppm
H1002 1 1
D WN140152 555783 5455869 AGD66 55 AR10/GF AR10/OE AR10/OE AR10/OE 6 55 X 2 0.01 29 3 24 7 2.26 2706 X 0.12 107 2 0.03 11 146 7 X 2 9 X 91 X 20 X 23
D WN140153 555772 5455843 AGD66 55 1 X 12072 10 51 2 0.09 X 31 3 20 7 1.82 1927 X 0.13 179 2 0.03 11 163 6 X 2 14 X 75 X 18 X 25
D WK140154 555783 5455823 AGD66 55 X X 7165 X 25 2 0.02 X X X 24 5 1.39 1304 X 0.02 29 X 0.02 5 147 6 X 1 5 X 24 X 17 X 6
D WK140155 555783 5455823 AGD66 55 X X 802 X 4 2 0.05 X X X 6 1 0.61 126 X 0.02 59 X 0.02 3 X X X X 2 X 15 X 3 X 1
D WK140156 555782 5455781 AGD66 55 1 X 230 X X X 0.02 X X X 3 X 0.39 X X X 38 X 0.02 3 X 1 X X X 6 X X X
D WK140157 555782 5455781 AGD66 55 1 X 17086 8 64 3 0.05 X X 34 3 27 8 2.24 3047 X 0.18 126 2 0.03 15 174 6 3 2 11 X 177 X 24 X 35
D WK140158 555822 5455933 AGD66 55 13 X 1013 29 3 2 0.01 X X X 6 2 0.55 97 X X 40 X 0.02 2 X X X X 13 X 3 X X
D WK140159 555510 5455456 AGD66 55 1 X 11673 14 37 2 0.02 X 66 6 40 13 2.08 2520 36 0.26 59 1 0.02 24 171 6 8 2 8 X 330 X 22 X 45
D WK140160 555522 5455477 AGD66 55 1 X 17006 13 30 X 0.01 X X 5 36 36 3.9 1648 X 0.4 148 2 0.03 34 312 7 X 2 3 X 85 X 37 X 67
D WK140161 555545 5455487 AGD66 55 1 X 9145 172 26 X 0.01 X 50 X 25 10 1.65 1039 22 0.02 13 1 0.02 4 206 3 X 3 9 2 57 X 15 X 7
D WK140162 555685 5455600 AGD66 55 X X 9532 7 45 X 0.02 X 45 1 28 11 2.16 1890 27 0.13 22 1 0.02 8 114 6 X 4 8 X 335 X 21 X 10
D WK140163 555650 5455531 AGD66 55 3 X 27114 19 68 X 0.01 X 76 7 39 42 4.14 8271 37 0.98 220 3 0.03 28 189 14 X 5 11 X 851 X 48 X 68
D WK140164 555615 5456033 AGD66 55 1 X 13116 14 29 X 0.01 X 44 3 34 19 3.22 2403 20 0.16 22 3 0.02 12 256 8 X 9 4 X 345 X 26 X 26
D WS140165 555611 5455675 AGD66 55 X X 9749 9 37 X 0.13 X 30 X 14 6 1.67 1182 X 0.06 132 2 0.04 5 191 6 X 1 16 X 37 X 22 X 8
D WK140166 555538 5456079 AGD66 55 1 X 10012 8 30 X 0.01 X 26 X 36 11 2.63 1324 X 0.02 23 2 0.04 4 60 8 X 3 6 X 92 X 22 X 10
D WK140167 555541 5456070 AGD66 55 X X 797 X 2 2 0.01 X X X 6 2 0.71 X X X 39 X 0.02 2 29 4 X X 1 X 12 X 3 X X
D WN140168 555540 5456093 AGD66 55 X X 8603 6 47 X 0.05 X 31 6 14 5 1.32 1783 X 0.03 10 93 3 X 1 9 X 74 X 11 X 17
D WK140169 555559 5456296 AGD66 55 1 X 7289 X 24 4 0.01 X X X 70 5 9 9.63 1017 X X 15 3 0.02 2 24 7 X 1 3 X 75 X 17 2 12
D WK140170 555425 5456301 AGD66 55 5 X 10331 30 29 X 0.01 X 54 X 25 12 1.37 1437 25 0.02 6 2 0.02 3 45 7 X 2 5 X 32 X 14 X 2
D WK140200 555379 5455092 AGD66 55 X X 21509 X 45 X 0.02 X 85 8 44 20 3.17 3951 40 0.83 176 X 0.03 32 186 11 X 2 8 X 584 X 33 X 58
EOF

APPENDIX III

Geological Mapping Data

To: Greatland Pty Ltd

Re: Preliminary Notes on Follow-up Sampling of OXBERRY Area, ELs 30/2004, 35/2007

Introduction

Field work was done on Dec 2011 by contract geologist John A. Earthrowl of SilDol P/L with Field Assistant, Neil Ferguson.

Task

A stream sediment sample had been panned for gold by an earlier Greatland geologist and visible gold reported. Callum Baxter of Greatland instructed Earthrowl to revisit the site of the panned gold take appropriate stream sediment samples. In addition the immediate area was to be prospected and mapped and rock samples collected.

Topographic, Cadastral and Geological Setting

Maps supplied by Greatland showed that the panned gold came from a small north-flowing creek in topographically rugged country within Forestry Tasmania ground.

The MRT geology map supplied showed the panned gold site to be within steeply dipping, NNW striking stratigraphy of the Ordovician-Silurian-Devonian? Mathinna Supergroup comprising "interbedded sandstone, siltstone and mudstone". Two hundred metres west of the site the Mathinna units are mapped as "contact metamorphosed by granitic intrusion".

Methodology

Sampling and mapping was done by foot traversing of the subject area using a hand-held GPS. At all sample sites, a waypoint was recorded and geological notes made into a field book. Stream sediment/soil samples and 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.

Access

Access to the Oxberry area was via good gravel roads east from Scottsdale thence via forestry tracks within the tenements, some of which were very overgrown and narrow.

Creek traversing for stream sediment/soil samples was done on foot.

Field Sampling

The task was to follow-up on a "Panned Gold sample" reported from cords: AGD66 Zone 55 555780E, 5455900N. This site was located on a small creek using a GPS but no evidence of previous sampling could be found....no tag, no flagging.

(i) Drainage Sampling

From this site we proceeded up stream to the south and took additional 3 stream samples in an effort to replicate the original successful panning. These three samples (140152,153,157) were taken within 110m of the panned sample. The samples were collected unsieved in the field, but were washed and sieved to minus 2mm at home prior to sending to the lab.

An additional two samples (140165,140168) were taken from dry creek beds 300m to the north west. A sixth creek bed sample (140193) was taken from 600m to the east.

(ii) **Rock Sampling**

Various rock samples were collected from traversing within 900m of the panned gold sample site, as follows:

- 5 boulder samples (140154,155,156,188 and 140199)
- 10 rubble samples (140158,163,164,167,185,190,191,192,194 and 196)
- 10 suboutcrop samples (140159,160,161,169,186,187,195,198 and 210)
- 5 outcrop samples (140166,170,189 and 200)

Their lithologies are shown on the spreadsheet previously supplied and on the interpreted geology map that will be completed after assays are received.

Preliminary Conclusions

The following preliminary conclusions can be drawn from the mineralogy of the lithologies sampled and their possible significance:

(1) A Quartz-Hematite Breccia rock (140188 and 190) was found in rubble and boulders in the north east of the traversed area. These two samples came from nearby samples (140189 and 191) which were of Siltst,graphitic. Also nearby were samples with gossanous quartz veining (140186 and 187). Other samples containing graphite came from sites 140197 and 140200.

(2) Samples of gossanous veining was seen in samples of Siltstone and Sandstone (140187 and 140198)

(3) Quartz veining of varying width was seen in samples 140155,167,196 and 199.

(4) Possible mineralogical supporting evidence for the proximity of the Devonian Granite are two samples found in the south west of the area traversed: Quartz pegmatite mineralogy in one sample (140158) and andalusite/staurolite? in sample 140163. Both of these sample sites plot within the mapped contact metamorphic aureole of the Devonian Granite.

Assay results should be available soon so that more definitive conclusions gone be made.

John A Earthrowl
24 Swamp Rd.,Kindred, Tasmania, 7310

January 31 2012

To: Greatland P/L

Attn: Callum Baxter

Notes on Sample Assays and Mapping at the OXBERRY Prospect, ELs 30/2004 and 35/2007

Introduction

This document is a follow-up to the document, dated January 31st 2012, titled "Preliminary Notes on Follow-up Sampling of the Oxberry area, ELs 30/2004, 35/2007".

Erratum

In the original Jan 31 2012 document, a minor error has been found. In (ii) Rock Sampling, add 140197 to the 5 outcrop samples.

Assay Results: Rock/Stream Sediment Samples

The 36 samples, numbered 140152-140170, 140185-140200 and 140210, have been assayed for the following 31 elements at Genalysis Labs., Perth:

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 and Zn.

App 1 shows sample details and their assays. Details of lab methodology, detection limits etc are shown in the lab results attached as App 2.

Statistically significant results are summarised:

Element	Units	Max	Ave	Min
Au	ppb	13	2.5	1
Al	ppm	27114	10000	230
As	ppm	172	21.9	5
Ba	ppm	80	34.5	2
Cr	ppm	70	27.7	3
Cu	ppm	88	15.5	1
Fe	%	13.8	3	0.39
K	ppm	8271	1769	21
Mg	%	0.98	0.14	0.01
Mn	ppm	220	57.1	4
Ni	ppm	34	8.6	2
Pb	ppm	64	9.8	1
Sr	ppm	26	7.3	1
Ti	ppm	851	134	6
V	ppm	64	21	3
Zn	ppm	76	21.7	1

Other elements' results were statistically insignificant.

Of the six stream sediment samples, gravels and soils from flowing and dry creek beds, only three returned Au values of 1ppb. The highest gold value came from sample 140158, a rubble sample of "Quartz Vein material with minor muscovite, possibly pegmatitic".

The highest As value of 172ppm (140161) was from suboutcropping "very weathered, buff coloured, slightly fissile Siltstone".

The highest Cu value of 88ppm (140186) supported with 76ppmZn, 64ppmV, 11ppmSc and 9ppmBi was from suboutcrop of "sheared quartz vein with iridescent iron".

The highest Ni value of 34ppm (140160) came from suboutcropping "very weathered shale/siltstone with 1-2mm andalusite/staurolite".

Sample 140163, from rubble of Shale/siltstone with andalusite/staurolite returned maxima of 2.7%Al, 0.83%K, 0.98%Mg, 220ppmMn, 3ppmMo and 851ppmTi.

The samples (140188, 140190) of "quartz- hematite breccia" predictably returned the highest Fe values of 11.36 and 13.77% but insignificant base metals and gold. Phosphate values of 751 and 523ppm are slightly elevated.

Assay Results: Soil Samples

166 soil samples were collected at 50m intervals on the east-west lines as shown on Fig 1. The samples (WS 52926-53092) were sent to Genalysis, Perth, sieved to 80 microns and assayed for the same suite of 31 elements as the rock samples. Results are shown in App 3.

Statistically significant results are summarised:

Element	Units	Max	Ave	Min
Au	ppb	5	1.6	1
Al	%	4.3	1.1	0.04
Ba	ppm	121	36	5
Ca	%	0.39	0.06	0.01
Cr	ppm	82	25	4
Fe	%	5.04	1.36	0.25
K	ppm	5184	1141	82
Mn	ppm	1201	114	15
Ti	ppm	317	49.5	39
V	ppm	48	17.2	2

Only the 5ppb Au sample (WS52954) is of significance to the exploration results.

Base metal maxima for the soil samples were as follows: Co5ppm, Cu27ppm, Ni11ppm, Pb20ppm, Zn37ppm.

As values were as follows: max 26ppm, av 10ppm, min 5ppm which are not statistically significant. Their distribution however did allow crude contouring as per Fig 2 showing a reasonably well defined north-south trend parallel to the regional geology. Sites of maxima base metal and gold values are also shown on Fig 2. They did not lend themselves separately to any meaningful contouring.

Geology Mapping

Of the 30 rock chip samples collected only 5 were from outcrop, a further 10 from suboutcrop and 10 of rubble. Three of the outcrops showed measurable structural information as shown on the spreadsheet, App 1, and on Fig 3.

The dominant lithology in the Oxberry area are various siltstone/shales, generally very weathered, buff to light brown of the Silurian/Devonian Methinna Supergroup turbidites. Some were light grey, some possibly graphitic. Andalusite/staurolite minerals were tentatively identified at two sites. Quartz veins were located at five sites; micro scale quartz veining at a further four sites. Gossanous material was identified at four sites including two associated with a quartz-hematite breccia (140188, 140190). The breccias appeared discordant to the regional geology.

Conclusions

No highly significant gold or base metal values were returned from either the 166 soil samples or the 30 rock chip samples. The 3 stream sediment samples taken upstream from the earlier panned gold sample returned only 1 ppb assays each.

However there is some indication of upstream coincident weak gold, arsenic and base metal anomalism that warrants followup. The maximum Au rock chip sample (140158) of 13 ppb came from the vicinity of samples 140161 and 140163 which returned 172 and 19ppm As. Four high Cu values (36, 42, 13 and 10ppm), three Zn (68, 67 and 45ppm) and Pb (14ppm) came from nearby.

Recommendations

Followup soil sampling and prospecting is warranted to check out the weak coincident Au-As-Cu-Zn-Pb anomalism south of the original panned gold sample.

Two infill soil lines are recommended along (AGD66 Zone55) 5 455 500mN and 5 454 000mN extending from 555 000mE to 556 500mE. This amounts to 3 kms of soil samples at 50m intervals = 60 samples.

John A Earthrowl
24 Swamp Rd.,
Kindred, Tasmania, 7310

25 April 2012

Figure 1

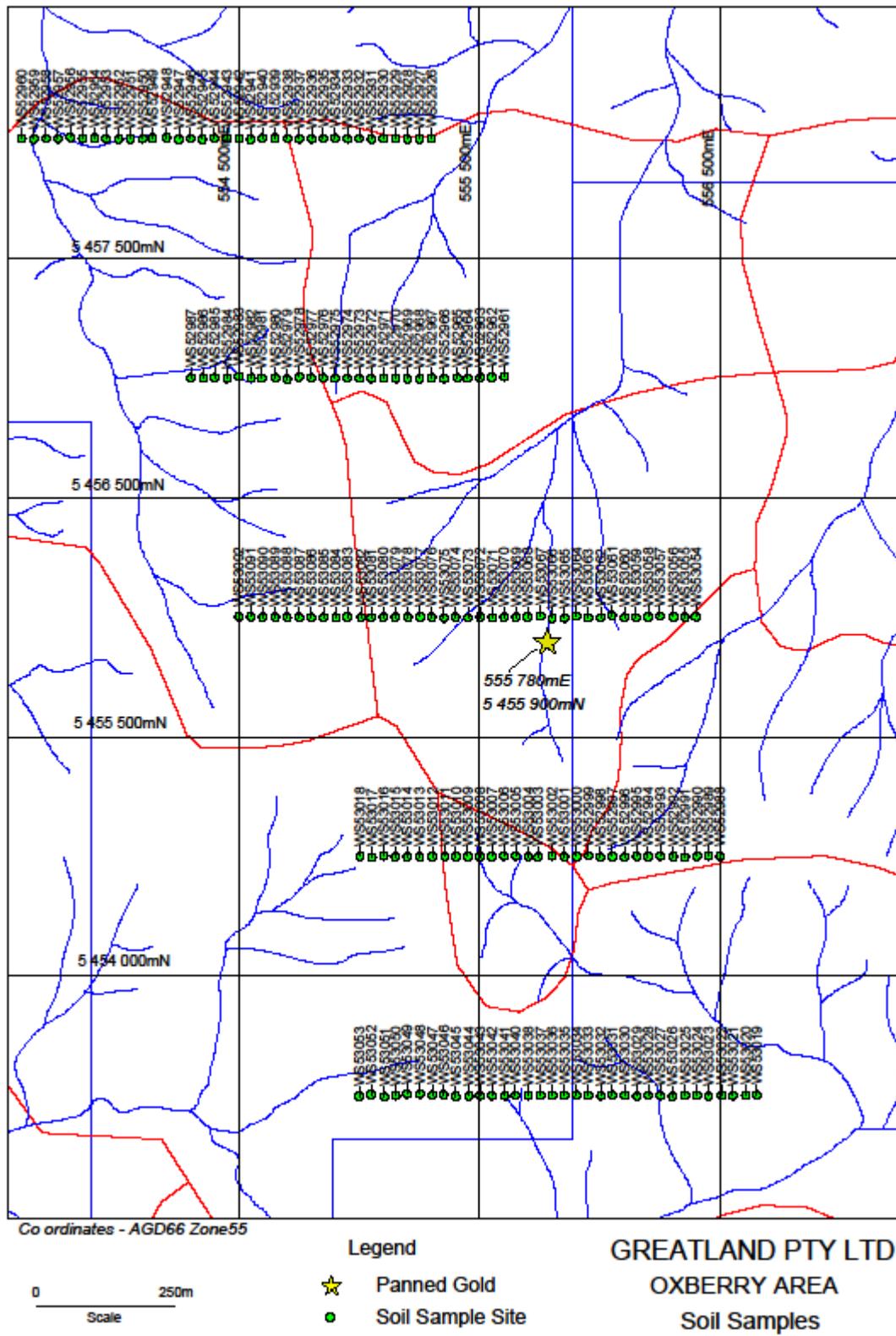
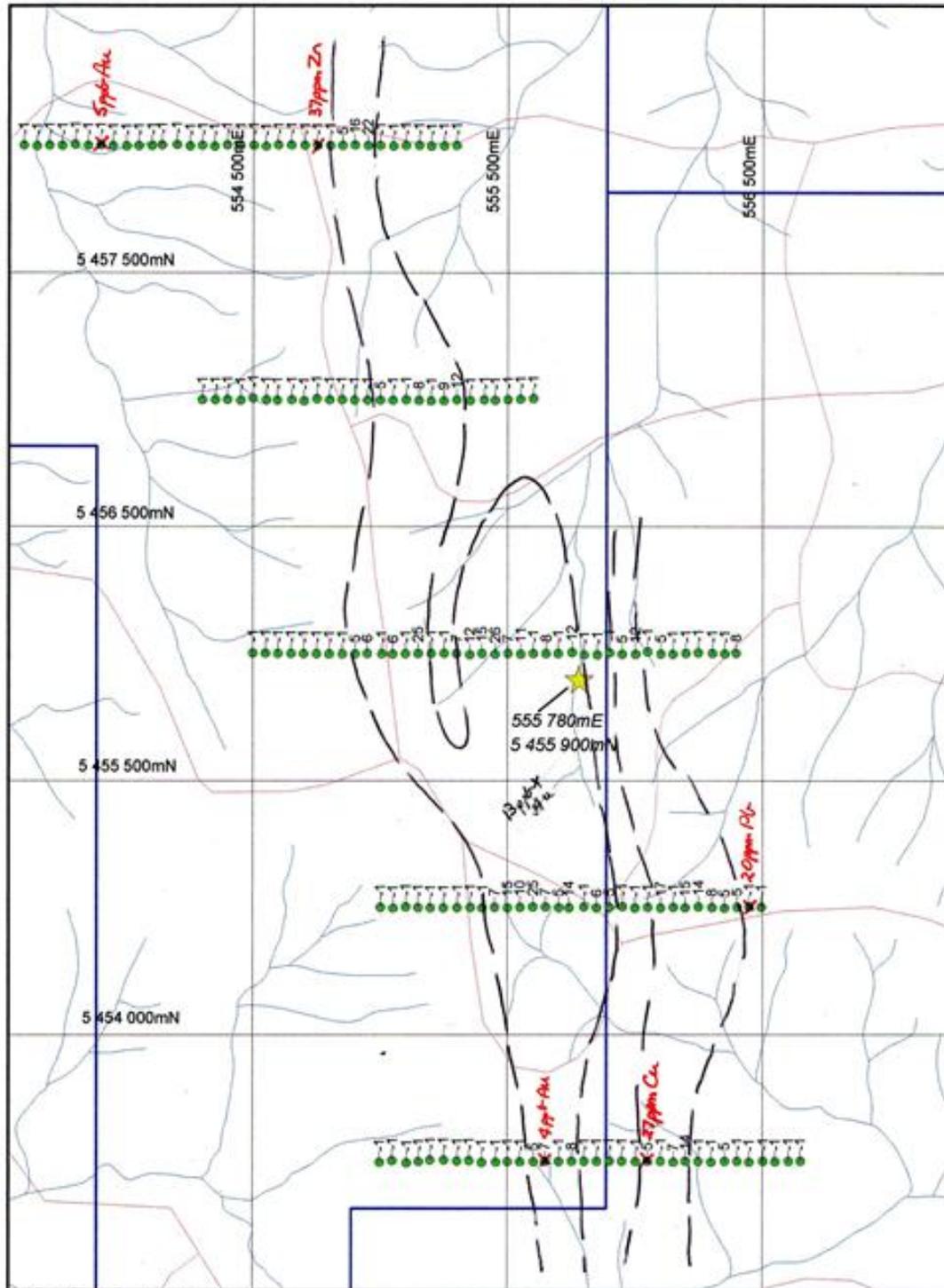
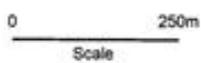


Figure 2

Fig. 2



Co ordinates - AGD66 Zone55



Legend

- ★ Panned Gold
- Soil Sample Site
- ✕ Soil Assays, maxima.
- ✕ Rock chip, maximum Au.

**GREATLAND PTY LTD
OXBERRY AREA**

As ppm, Contoured

JAE/21.4.2012

ANALYTICAL REPORT

Callum BAXTER
GREATLAND PTY LTD
641 Happy Valley Road
DENMARK, W.A. 6333
AUSTRALIA

JOB INFORMATION

JOB CODE : 1170.0/1201627
No. of SAMPLES : 36
No. of ELEMENTS : 31
CLIENT O/N : 20120203 (Job 1 of 1)
SAMPLE SUBMISSION No. :
PROJECT : Warrentinna
STATE : Rock Chip
DATE RECEIVED : 01/02/2012
DATE COMPLETED : 06/03/2012
DATE PRINTED : 06/03/2012
PRIMARY LABORATORY : Genalysis Main Laboratory

LEGEND

X = Less than Detection Limit
N/R = Sample Not Received
* = Result Checked
() = Result still to come
I/S = Insufficient Sample for Analysis
E6 = Result X 1,000,000
UA = Unable to Assay
> = Value beyond Limit of Method
OV = Value over-range for Package

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SAMPLE DETAILS

DISCLAIMER

Genalysis Laboratory Services Pty Ltd wishes to make the following disclaimer pertaining to the accompanying analytical results.

Genalysis Laboratory Services Pty Ltd disclaims any liability, legal or otherwise, for any inferences implied from this report relating to either the origin of, or the sampling technique employed in the collection of, the submitted samples.

SIGNIFICANT FIGURES

It is common practice to report data derived from analytical instrumentation to a maximum of two or three significant figures. Some data reported herein may show more figures than this. The reporting of more than two or three figures in no way implies that the third, fourth and subsequent figures may be real or significant.

Genalysis Laboratory Services Pty Ltd accepts no responsibility whatsoever for any interpretation by any party of any data where more than two or three significant figures have been reported.

SAMPLE STORAGE DETAILS

GENERAL CONDITIONS

SAMPLE STORAGE OF SOLIDS

Bulk Residues and Pulps will be stored for 60 DAYS without charge. After this time all Bulk Residues and Pulps will be stored at a rate of \$3.30 per cubic metre per day until your written advice regarding collection or disposal is received. Expenses related to the return or disposal of samples will be charged to you at cost. Current disposal cost is charged at \$100.00 per cubic metre.

SAMPLE STORAGE OF SOLUTIONS

Samples received as liquids, waters or solutions will be held for 60 DAYS free of charge then disposed of, unless written advice for return or collection is received.

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/	AR10/	AR10/	AR10/	AR10/	AR10/	AR10/	AR10/	AR10/	AR10/
ANALYTICAL FINISH	GF	OE	OE	OE	OE	OE	OE	OE	OE	OE
SAMPLE NUMBERS										
0001 WN140152	1	X	1.44%	6	55	X	0.05	X	29	3
0002 WN140153	1	X	1.21%	10	51	2	0.09	X	31	3
0003 WK140154	X	X	7165	X	25	2	0.02	X	X	X
0004 WK140155	X	X	802	X	4	2	0.05	X	X	X
0005 WK140156	1	X	230	X	X	X	0.02	X	X	X
0006 WN140157	1	X	1.71%	8	64	3	0.05	X	34	3
0007 WK140158	13	X	1013	29	3	2	0.01	X	X	X
0008 WK140159	1	X	1.17%	14	37	2	0.02	X	66	6
0009 WK140160	1	X	1.70%	13	30	X	0.01	X	X	5
0010 WK140161	1	X	9145	172*	26	X	0.01	X	50	X
0011 WK140162	X	X	9532	7	45	X	0.02	X	45	1
0012 WK140163	3	X	2.71%*	19	68	X	0.01	X	76	7
0013 WK140164	1	X	1.31%	14	28	X	0.01	X	44	3
0014 WS140165	X	X	9749	9	37	X	0.13	X	30	X
0015 WK140166	1	X	1.00%	8	30	X	0.01	X	26	X
0016 WK140167	X	X	797	X	2	3	0.01	X	X	X
0017 WN140168	X	X	8603	6	47	X	0.05	X	31	6
0018 WK140169	1	X	7289	X	24	4	0.01	X	X	X
0019 WK140170	5	X	1.03%	30	29	X	0.01	X	54	X
0020 WK140185	X	X	1.05%	6	24	X	0.01	X	31	X
0021 WK140186	1	X	7171	75	36	9	0.01	X	X	1
0022 WK140187	X	X	6891	X	26	3	X	X	29	X
0023 WK140188	X	X	1.29%	13	27	7	X	X	X	X
0024 WK140189	5	X	1.18%	6	47	X	0.01	X	78	X
0025 WK140190	X	X	7464	19	19	5	0.01	X	22	X
0026 WK140191	X	X	1.40%	12	36	3	0.01	X	73	X
0027 WK140192	X	X	1.43%	X	49	2	0.01	X	X	1
0028 WS140193	X	X	2.42%	16	32	7	0.10	X	22	X
0029 WK140194	1	X	1.30%	5	58	X	0.01	X	X	X
0030 WK140195	X	X	2358	X	10	X	0.01	X	X	X
0031 WK140196	X	X	843	X	2	X	0.01	X	X	X
0032 WK140197	5	X	1.48%	21	44	X	0.02	X	57	X
0033 WK140198	X	X	1.67%	7	80	3	0.01	X	62	2
0034 WK140199	X	X	595	X	X	4	0.01	X	X	X
0035 WK140200	X	X	2.15%	X	45	X	0.02	X	85	8
0036 WK140210	X	X	8444	X	32	4	X	X	X	X

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0001 WN140152	24	7	2.26	2706	X	0.12	107	2	0.03	11
0002 WN140153	20	7	1.82	1927	X	0.13	179	2	0.03	11
0003 WK140154	24	5	1.39	1304	X	0.02	29	X	0.02	5
0004 WK140155	6	1	0.61	126	X	0.02	59	X	0.02	3
0005 WK140156	3	X	0.39	X	X	X	38	X	0.02	3
0006 WN140157	27	8	2.24	3047	X	0.18	128	2	0.03	15
0007 WK140158	6	2	0.55	37	X	X	40	X	0.02	2
0008 WK140159	40	13	2.08	2520	36	0.26	59	1	0.02	24
0009 WK140160	36	36	3.90	1648	X	0.40	148	2	0.03	34
0010 WK140161	25	10	1.65	1039	22	0.02	13	1	0.02	4
0011 WK140162	28	11	2.16	1890	27	0.13	22	1	0.02	8
0012 WK140163	39	42	4.14	8271	37	0.98	220*	3	0.03	28
0013 WK140164	34	19	3.22	2403	20	0.16	22	3	0.02	12
0014 WS140165	14	6	1.67	1182	X	0.06	132	2	0.04	5
0015 WK140166	36	11	2.63	1324	X	0.02	23	2	0.04	4
0016 WK140167	6	2	0.71	X	X	X	39	X	0.02	2
0017 WN140168	14	5	1.32	1783	X	0.10	212	X	0.03	10
0018 WK140169	70	9	9.53	1017	X	X	13	3	0.02	2
0019 WK140170	25	12	1.37	1437	25	0.02	6	2	0.02	3
0020 WK140185	47	4	2.30	906	X	0.01	18	X	0.02	3
0021 WK140186	63	88	11.36	382	X	X	21	X	0.02	9
0022 WK140187	19	13	4.09	1320	X	0.01	16	X	0.02	5
0023 WK140188	65	34	13.77	1545	X	0.02	5	3	0.03	9
0024 WK140189	29	8	1.45	2499	34	0.03	7	X	0.03	5
0025 WK140190	35	37	10.01	955	X	0.01	21	X	0.02	13
0026 WK140191	25	19	0.72	1859	34	0.02	4	X	0.02	5
0027 WK140192	33	19	2.72	1515	X	0.02	22	1	0.02	7
0028 WS140193	39	6	3.06	1107	X	0.06	73	X	0.03	6
0029 WK140194	22	19	1.74	1684	X	0.02	8	X	0.02	6
0030 WK140195	8	4	0.61	279	X	X	46	X	0.02	3
0031 WK140196	5	3	0.58	X	X	X	44	X	0.02	2
0032 WK140197	25	17	2.30	2033	26	0.05	14	X	0.02	5
0033 WK140198	39	36	3.64	3287	29	0.20	32	X	0.03	8
0034 WK140199	5	3	0.45	21	X	X	34	X	0.02	2
0035 WK140200	44	20	3.17	3951	40	0.83	176	X	0.03	32
0036 WK140210	17	5	1.34	1376	X	0.02	25	X	0.02	3

ANALYSIS

ELEMENTS	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W
UNITS	ppm									
DETECTION LIMIT	20	1	2	1	1	2	5	2	2	2
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0001 WN140152	146	7	X	2	9	X	91	X	20	X
0002 WN140153	163	6	X	2	14	X	75	X	18	X
0003 WK140154	147	6	X	1	5	X	24	X	17	X
0004 WK140155	X	X	X	X	2	X	15	X	3	X
0005 WK140156	X	1	X	X	X	X	6	X	X	X
0006 WN140157	174	6	3	2	11	X	177	X	24	X
0007 WK140158	X	X	X	X	1	X	13	X	3	X
0008 WK140159	171	6	8*	2	8	X	330	X	22	X
0009 WK140160	312	7	X	2	3	X	85	X	37	X
0010 WK140161	208	3	X	3	9	2	57	X	15	X
0011 WK140162	114	6	X	4	8	X	335	X	21	X
0012 WK140163	189	14	X	5	11	X	851*	X	48	X
0013 WK140164	256	8	X	9	4	X	345	X	26	X
0014 WS140165	191	6	X	1	16	X	37	X	22	X
0015 WK140166	60	8	X	3	6	X	92	X	22	X
0016 WK140167	29	4	X	X	1	X	12	X	3	X
0017 WN140168	93	3	X	1	9	X	74	X	11	X
0018 WK140169	24	7	X	1	3	X	79	X	17	2
0019 WK140170	45	7	X	2	5	X	32	X	14	X
0020 WK140185	78	3	X	2	4	X	139	X	17	X
0021 WK140186	30	16	X	11	1	X	20	X	64	X
0022 WK140187	75	10	X	1	4	X	56	X	12	X
0023 WK140188	751*	17	X	6	2	3	33	X	39	X
0024 WK140189	56	8	X	2	5	X	77	X	14	X
0025 WK140190	523	64*	X	4	3	3	20	X	20	2
0026 WK140191	47	10	X	2	5	2	101	X	12	X
0027 WK140192	70	15	X	2	14	X	105	X	19	X
0028 WS140193	131	9	X	2	12	X	15	X	38	X
0029 WK140194	49	11	X	1	15	X	114	X	20	X
0030 WK140195	X	1	X	X	3	2	43	3	4	X
0031 WK140196	X	X	X	X	X	X	10	X	X	X
0032 WK140197	77	8	X	3	9	X	162	X	26	X
0033 WK140198	104	17	X	2	26	X	442	X	34	X
0034 WK140199	X	X	X	X	X	X	12	X	X	X
0035 WK140200	186	11	X	2	8	X	584	X	33	X
0036 WK140210	X	8	X	1	6	2	170	X	11	X

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE

SAMPLE NUMBERS

0001 WN140152	23
0002 WN140153	25
0003 WK140154	6
0004 WK140155	1
0005 WK140156	X

0006 WN140157	35
0007 WK140158	X
0008 WK140159	45
0009 WK140160	67
0010 WK140161	7

0011 WK140162	10
0012 WK140163	68
0013 WK140164	26
0014 WS140165	8
0015 WK140166	10

0016 WK140167	X
0017 WN140168	17
0018 WK140169	12
0019 WK140170	2
0020 WK140185	2

0021 WK140186	76
0022 WK140187	8
0023 WK140188	28
0024 WK140189	5
0025 WK140190	40

0026 WK140191	2
0027 WK140192	19
0028 WS140193	8
0029 WK140194	22
0030 WK140195	3

0031 WK140196	X
0032 WK140197	9
0033 WK140198	18
0034 WK140199	X
0035 WK140200	58

0036 WK140210	12
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ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
CHECKS										
0001 WN140152	2	X	1.75%	13	67	2	0.06	X	36	3
0002 WK140186	1	X	7521	80	37	13	0.01	X	X	2
STANDARDS										
0001 CMM-10	33	1.0	1.59%	105	19	27	8.45	1.4	X	25
0002 PL-19	11	X	8641	24	15	2	0.36	X	X	7
0003 CMM-10	42	1.3	1.91%	93	23	32	9.93	1.7	X	32
BLANKS										
0001 Control Blank	X	X	156	X	X	4	0.01	X	X	X
0002 Control Blank	X	X	50	X	X	X	0.03	X	X	X

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
CHECKS										
0001 WN140152	28	8	2.56	3379	X	0.14	123	X	0.03	13
0002 WK140186	64	91	11.99	420	X	X	23	X	0.02	10
STANDARDS										
0001 CMM-10	147	78	3.62	692	28	4.89	238	25	1.21	70
0002 PL-19	48	20	8.80	109	X	0.03	128	6	0.35	20
0003 CMM-10	167	92	4.26	861	34	5.69	273	25	1.44	83
BLANKS										
0001 Control Blank	X	X	0.03	X	X	X	1	X	0.02	2
0002 Control Blank	2	X	0.02	X	X	0.01	X	X	0.02	2

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE

CHECKS

0001 WN140152	27
0002 WK140186	77

STANDARDS

0001 CMM-10	67
0002 PL-19	16
0003 CMM-10	75

BLANKS

0001 Control Blank	1
0002 Control Blank	X

METHOD CODE DESCRIPTION

AR10/GF

Genalysis Main Laboratory

Aqua-Regia digest. Analysed by Graphite Furnace Atomic Absorption Spectrometry.

AR10/OE

Genalysis Main Laboratory

Aqua-Regia digest. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry.

ANALYTICAL REPORT

Callum BAXTER
GREATLAND PTY LTD
641 Happy Valley Road
DENMARK, W.A. 6333
AUSTRALIA

JOB INFORMATION

JOB CODE : 1170.0/1201624
No. of SAMPLES : 166
No. of ELEMENTS : 31
CLIENT O/N : 20120131 (Job 1 of 1)
SAMPLE SUBMISSION No. :
PROJECT : Warrentinna
STATE : Whole Soil
DATE RECEIVED : 01/02/2012
DATE COMPLETED : 29/02/2012
DATE PRINTED : 29/02/2012
PRIMARY LABORATORY : Genalysis Main Laboratory

LEGEND

X = Less than Detection Limit
N/R = Sample Not Received
* = Result Checked
() = Result still to come
I/S = Insufficient Sample for Analysis
E6 = Result X 1,000,000
UA = Unable to Assay
> = Value beyond Limit of Method
OV = Value over-range for Package

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SAMPLE DETAILS

DISCLAIMER

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Genalysis Laboratory Services Pty Ltd disclaims any liability, legal or otherwise, for any inferences implied from this report relating to either the origin of, or the sampling technique employed in the collection of, the submitted samples.

SIGNIFICANT FIGURES

It is common practice to report data derived from analytical instrumentation to a maximum of two or three significant figures. Some data reported herein may show more figures than this. The reporting of more than two or three figures in no way implies that the third, fourth and subsequent figures may be real or significant.

Genalysis Laboratory Services Pty Ltd accepts no responsibility whatsoever for any interpretation by any party of any data where more than two or three significant figures have been reported.

SAMPLE STORAGE DETAILS

GENERAL CONDITIONS

SAMPLE STORAGE OF SOLIDS

Bulk Residues and Pulps will be stored for 60 DAYS without charge. After this time all Bulk Residues and Pulps will be stored at a rate of \$3.30 per cubic metre per day until your written advice regarding collection or disposal is received. Expenses related to the return or disposal of samples will be charged to you at cost. Current disposal cost is charged at \$100.00 per cubic metre.

SAMPLE STORAGE OF SOLUTIONS

Samples received as liquids, waters or solutions will be held for 60 DAYS free of charge then disposed of, unless written advice for return or collection is received.

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
SAMPLE NUMBERS										
0001 WS52926-80um	1	X	1.11%	X	49	X	0.18	X	68	3
0002 WS52927-80um	1	X	8704	X	58	X	0.13	X	69	3
0003 WS52928-80um	X	X	5400	X	37	X	0.06	X	63	2
0004 WS52929-80um	X	X	1.44%	X	42	X	0.06	X	78	3
0005 WS52930-80um	X	X	9455	X	121*	X	0.19	X	75	3
0006 WS52931-80um	X	X	6590	X	57	X	0.10	X	65	3
0007 WS52932-80um	1	X	1.30%	X	47	X	0.04	X	79	3
0008 WS52933-80um	1	X	1.36%	22	70	X	0.06	X	95	3
0009 WS52934-80um	2	X	1.00%	16	53	X	0.02	X	75	3
0010 WS52935-80um	X	X	1.07%	5	63	X	0.05	X	88	3
0011 WS52936-80um	1	X	1.86%	X	98	X	0.05	X	120	5
0012 WS52937-80um	X	X	1.14%	X	83	X	0.12	X	121	3
0013 WS52938-80um	X	X	8519	X	51	X	0.04	X	95	3
0014 WS52939-80um	X	X	6561	X	45	X	0.06	X	76	2
0015 WS52940-80um	X	X	5448	X	34	X	0.03	X	75	3
0016 WS52941-80um	X	X	9006	X	32	X	0.02	X	91	3
0017 WS52942-80um	X	X	8309	X	38	X	0.03	X	107	2
0018 WS52943-80um	X	X	7776	X	36	X	0.05	X	101	3
0019 WS52944-80um	X	X	1.22%	X	38	X	0.05	X	90	2
0020 WS52945-80um	1	X	1.27%	X	42	X	0.03	X	95	2
0021 WS52946-80um	1	X	1.51%	X	31	X	0.02	X	89	2
0022 WS52947-80um	X	X	2.26%	X	38	X	0.01	X	85	2
0023 WS52948-80um	2	X	1.42%	X	32	X	0.01	X	95	2
0024 WS52949-80um	X	X	1.39%	X	36	X	0.03	X	108	3
0025 WS52950-80um	X	X	6092	X	27	X	0.01	X	118	3
0026 WS52951-80um	X	X	7571	X	29	X	0.03	X	118	3
0027 WS52952-80um	X	X	9414	X	38	X	0.03	X	113	3
0028 WS52953-80um	X	X	2855	X	21	X	0.01	X	102	3
0029 WS52954-80um	5	X	1.26%	X	40	X	0.03	X	109	3
0030 WS52955-80um	1	X	8228	X	34	X	0.06	X	89	3
0031 WS52956-80um	1	X	1.25%	X	50	X	0.06	X	114	3
0032 WS52957-80um	1	X	443	X	5	X	0.03	X	57	3
0033 WS52958-80um	X	X	498	X	5	X	0.02	X	59	3
0034 WS52959-80um	X	X	1.12%	X	33	X	0.02	X	101	2
0035 WS52960-80um	X	X	1.83%	X	29	X	0.02	X	91	3
0036 WS52961-80um	X	X	1.17%	X	16	X	0.03	X	84	2
0037 WS52962-80um	X	X	9730	X	17	X	0.03	X	84	3
0038 WS52963-80um	1	X	7940	X	25	X	0.02	X	92	3
0039 WS52964-80um	3	X	1.26%	X	47	X	0.03	X	122	2
0040 WS52965-80um	3	X	1.24%	X	48	X	0.06	X	98	2

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0001 WS52926-80um	20	17	1.43	1094	X	0.06	481	X	0.04	4
0002 WS52927-80um	38	14	1.09	1606	X	0.06	295	X	0.05	4
0003 WS52928-80um	11	10	0.84	885	X	0.03	86	X	0.03	3
0004 WS52929-80um	44	11	1.60	1466	X	0.04	58	X	0.04	4
0005 WS52930-80um	15	15	0.93	1886	X	0.08	1201*	X	0.05	5
0006 WS52931-80um	28	9	0.84	1223	X	0.05	149	X	0.04	3
0007 WS52932-80um	18	8	1.23	1179	X	0.06	79	X	0.04	4
0008 WS52933-80um	29	7	1.13	1222	X	0.08	126	X	0.04	4
0009 WS52934-80um	14	6	1.01	1006	X	0.04	70	X	0.03	2
0010 WS52935-80um	25	7	0.59	1398	X	0.06	58	X	0.05	3
0011 WS52936-80um	21	12	1.16	2468	27	0.08	67	X	0.06	5
0012 WS52937-80um	22	8	0.86	1797	29	0.08	74	X	0.05	4
0013 WS52938-80um	12	8	0.76	1024	X	0.04	43	X	0.03	3
0014 WS52939-80um	37	6	0.71	979	X	0.04	66	X	0.03	3
0015 WS52940-80um	9	7	0.54	828	X	0.03	46	X	0.04	2
0016 WS52941-80um	35	6	0.88	958	X	0.03	50	X	0.04	3
0017 WS52942-80um	11	5	1.09	742	22	0.04	43	X	0.04	2
0018 WS52943-80um	35	6	1.27	759	X	0.04	45	X	0.04	3
0019 WS52944-80um	19	8	2.22	898	X	0.06	33	X	0.03	3
0020 WS52945-80um	35	5	1.20	1099	X	0.05	41	X	0.03	3
0021 WS52946-80um	22	4	1.59	792	X	0.04	29	X	0.03	3
0022 WS52947-80um	44	4	1.94	1046	X	0.04	30	X	0.04	7
0023 WS52948-80um	23	4	1.07	701	X	0.03	35	X	0.03	3
0024 WS52949-80um	29	4	0.93	701	22	0.04	48	X	0.04	4
0025 WS52950-80um	9	5	0.49	599	29	0.04	40	X	0.04	3
0026 WS52951-80um	34	5	0.59	741	26	0.04	54	X	0.04	4
0027 WS52952-80um	13	6	1.00	733	25	0.05	43	X	0.03	4
0028 WS52953-80um	34	5	0.39	635	22	0.03	36	X	0.03	2
0029 WS52954-80um	16	7	1.13	1167	22	0.07	39	X	0.04	4
0030 WS52955-80um	31	6	0.92	1120	X	0.05	33	X	0.03	3
0031 WS52956-80um	18	9	1.56	1078	25	0.08	50	X	0.04	6
0032 WS52957-80um	33	7	0.38	98	X	0.02	34	X	0.03	3
0033 WS52958-80um	4	4	0.25	82	X	0.01	25	X	0.02	1
0034 WS52959-80um	36	6	1.28	1004	X	0.04	46	X	0.03	4
0035 WS52960-80um	17	4	1.35	996	X	0.04	32	X	0.03	7
0036 WS52961-80um	29	6	1.04	527	X	0.03	31	X	0.03	5
0037 WS52962-80um	14	7	1.05	573	X	0.03	40	X	0.03	4
0038 WS52963-80um	38	8	0.89	763	X	0.03	51	X	0.03	3
0039 WS52964-80um	19	10	1.41	1749	28	0.04	51	X	0.03	4
0040 WS52965-80um	39	9	1.30	1216	X	0.05	72	X	0.03	4

ANALYSIS

ELEMENTS	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W
UNITS	ppm									
DETECTION LIMIT	20	1	2	1	1	2	5	2	2	2
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0001 WS52926-80um	79	5	X	X	9	X	42	X	16	X
0002 WS52927-80um	84	4	X	1	8	X	96	X	12	X
0003 WS52928-80um	45	2	X	X	5	X	167	X	10	X
0004 WS52929-80um	113	4	X	1	7	X	25	X	17	X
0005 WS52930-80um	174	9	X	1	23	X	47	X	12	X
0006 WS52931-80um	79	5	X	X	12	X	35	X	9	X
0007 WS52932-80um	42	6	X	2	5	X	54	X	14	X
0008 WS52933-80um	75	9	X	2	8	X	20	X	15	X
0009 WS52934-80um	49	5	2	1	6	X	41	X	12	X
0010 WS52935-80um	87	5	X	1	8	X	28	X	13	X
0011 WS52936-80um	214	8	X	3	11	X	48	X	19	X
0012 WS52937-80um	91	7	X	1	15	X	35	X	14	X
0013 WS52938-80um	60	5	X	1	7	X	45	X	10	X
0014 WS52939-80um	81	4	X	X	10	X	65	X	9	X
0015 WS52940-80um	40	3	X	X	5	X	73	X	8	X
0016 WS52941-80um	33	4	X	X	4	X	86	X	11	X
0017 WS52942-80um	60	5	X	2	5	X	26	X	10	X
0018 WS52943-80um	54	6	X	2	8	X	62	X	11	X
0019 WS52944-80um	87	6	X	3	6	X	19	X	17	X
0020 WS52945-80um	40	5	X	1	5	X	44	X	14	X
0021 WS52946-80um	33	5	X	1	4	X	29	X	18	X
0022 WS52947-80um	40	6	X	2	4	X	39	X	27	X
0023 WS52948-80um	34	5	X	1	3	X	42	X	18	X
0024 WS52949-80um	42	6	X	1	5	X	44	X	16	X
0025 WS52950-80um	43	4	X	X	3	X	80	X	8	X
0026 WS52951-80um	47	4	X	X	4	X	79	X	9	X
0027 WS52952-80um	56	8	X	X	6	X	41	X	16	X
0028 WS52953-80um	31	3	X	X	4	X	115	X	5	X
0029 WS52954-80um	39	5	X	1	5	X	31	X	14	X
0030 WS52955-80um	45	5	X	X	5	X	14	X	12	X
0031 WS52956-80um	55	10	X	1	8	X	35	X	24	X
0032 WS52957-80um	X	X	X	X	2	X	140	X	2	X
0033 WS52958-80um	X	X	X	X	2	X	141	X	X	X
0034 WS52959-80um	41	6	X	X	4	X	79	X	20	X
0035 WS52960-80um	36	5	X	1	4	X	20	X	24	X
0036 WS52961-80um	31	5	X	X	3	X	70	X	19	X
0037 WS52962-80um	34	4	X	X	3	X	75	X	17	X
0038 WS52963-80um	37	5	X	X	3	X	106	X	14	X
0039 WS52964-80um	51	5	X	2	5	X	29	X	15	X
0040 WS52965-80um	57	6	X	2	7	X	32	X	14	X

ANALYSIS

ELEMENTS Zn
UNITS ppm
DETECTION LIMIT 1
DIGEST AR10/
ANALYTICAL FINISH OE

SAMPLE NUMBERS

0001 WS52926-80um	13
0002 WS52927-80um	15
0003 WS52928-80um	13
0004 WS52929-80um	8
0005 WS52930-80um	18
0006 WS52931-80um	10
0007 WS52932-80um	15
0008 WS52933-80um	11
0009 WS52934-80um	16
0010 WS52935-80um	14
0011 WS52936-80um	37
0012 WS52937-80um	26
0013 WS52938-80um	24
0014 WS52939-80um	16
0015 WS52940-80um	16
0016 WS52941-80um	15
0017 WS52942-80um	7
0018 WS52943-80um	7
0019 WS52944-80um	6
0020 WS52945-80um	9
0021 WS52946-80um	7
0022 WS52947-80um	8
0023 WS52948-80um	8
0024 WS52949-80um	8
0025 WS52950-80um	5
0026 WS52951-80um	8
0027 WS52952-80um	7
0028 WS52953-80um	4
0029 WS52954-80um	9
0030 WS52955-80um	4
0031 WS52956-80um	9
0032 WS52957-80um	3
0033 WS52958-80um	2
0034 WS52959-80um	9
0035 WS52960-80um	3
0036 WS52961-80um	4
0037 WS52962-80um	5
0038 WS52963-80um	5
0039 WS52964-80um	5
0040 WS52965-80um	4

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
SAMPLE NUMBERS										
0041 WS52966-80um	2	X	1.27%	X	36	X	0.03	X	102	3
0042 WS52967-80um	2	X	8575	12	39	X	0.02	X	116	3
0043 WS52968-80um	3	X	1.70%	9	37	X	0.03	X	108	2
0044 WS52969-80um	1	X	6629	X	29	X	0.05	X	114	2
0045 WS52970-80um	1	X	9696	8	29	X	0.04	X	104	3
0046 WS52971-80um	1	X	6207	X	39	X	0.08	X	116	3
0047 WS52972-80um	X	X	9221	X	33	X	0.05	X	105	2
0048 WS52973-80um	2	X	3.33%	5	38	X	0.03	X	87	3
0049 WS52974-80um	1	X	4967	X	25	X	0.04	X	108	2
0050 WS52975-80um	2	X	7484	X	28	X	0.03	X	118	2
0051 WS52976-80um	2	X	7864	X	31	X	0.06	X	106	3
0052 WS52977-80um	X	X	7352	X	34	X	0.04	X	94	2
0053 WS52978-80um	X	X	5591	X	30	X	0.04	X	101	2
0054 WS52979-80um	X	X	4823	X	27	X	0.03	X	95	3
0055 WS52980-80um	1	X	4090	X	37	X	0.05	X	75	3
0056 WS52981-80um	X	X	7833	X	34	X	0.04	X	119	3
0057 WS52982-80um	X	X	9661	X	38	X	0.06	X	122	4
0058 WS52983-80um	1	X	7158	X	42	X	0.05	X	111	3
0059 WS52984-80um	1	X	1.19%	X	34	X	0.04	X	116	3
0060 WS52985-80um	1	X	8858	X	43	X	0.05	X	121	3
0061 WS52986-80um	X	X	1.22%	X	57	X	0.06	X	122	4
0062 WS52987-80um	X	X	1.10%	X	58	X	0.15	X	119	3
0063 WS52988-80um	X	X	6866	X	41	X	0.05	X	77	3
0064 WS52989-80um	X	X	1.87%	X	52	X	0.06	X	90	3
0065 WS52990-80um	X	X	1.26%	5	51	X	0.06	X	90	3
0066 WS52991-80um	X	X	1.09%	5	28	X	0.03	X	87	2
0067 WS52992-80um	X	X	9112	8	36	X	0.07	X	93	3
0068 WS52993-80um	1	X	2.03%	14	46	X	0.04	X	85	2
0069 WS52994-80um	2	X	4.39%	15	32	X	0.02	X	89	3
0070 WS52995-80um	1	X	1.80%	X	46	X	0.11	X	86	3
0071 WS52996-80um	2	X	2.99%	17	26	X	0.05	X	72	2
0072 WS52997-80um	X	X	6464	X	20	X	0.02	X	75	3
0073 WS52998-80um	1	X	1.32%	X	27	X	0.04	X	76	2
0074 WS52999-80um	1	X	1.35%	X	33	X	0.04	X	88	3
0075 WS53000-80um	X	X	1.63%	5	31	X	0.03	X	86	3
0076 WS53001-80um	1	X	5578	6	32	X	0.05	X	82	3
0077 WS53002-80um	1	X	1711	X	13	X	0.02	X	72	2
0078 WS53003-80um	1	X	1.51%	14	20	X	0.06	X	91	2
0079 WS53004-80um	X	X	9933	5	35	X	0.05	X	101	3
0080 WS53005-80um	2	X	6683	7	13	X	0.02	X	76	2

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0041 WS52966-80um	27	8	1.82	1371	X	0.04	30	X	0.03	3
0042 WS52967-80um	36	9	1.29	1555	26	0.03	56	X	0.03	3
0043 WS52968-80um	47	10	1.85	1245	22	0.04	65	X	0.03	6
0044 WS52969-80um	14	7	1.17	1035	25	0.03	114	X	0.03	3
0045 WS52970-80um	16	11	1.26	901	21	0.03	75	X	0.03	4
0046 WS52971-80um	46	9	0.94	1177	30	0.03	107	X	0.03	4
0047 WS52972-80um	17	8	1.46	973	21	0.03	93	X	0.03	3
0048 WS52973-80um	53	10	3.15	1363	X	0.05	51	X	0.04	7
0049 WS52974-80um	8	5	0.40	858	25	0.03	33	X	0.05	2
0050 WS52975-80um	31	6	0.75	883	27	0.02	47	X	0.03	3
0051 WS52976-80um	14	11	0.95	872	24	0.03	141	X	0.03	4
0052 WS52977-80um	34	7	1.09	1142	X	0.03	81	X	0.03	3
0053 WS52978-80um	11	9	0.75	1043	22	0.02	66	X	0.03	3
0054 WS52979-80um	39	8	0.56	778	20	0.02	37	X	0.03	3
0055 WS52980-80um	12	10	0.76	1150	X	0.02	42	X	0.04	3
0056 WS52981-80um	37	6	1.06	1074	26	0.04	92	X	0.04	4
0057 WS52982-80um	17	8	1.37	1762	28	0.11	90	X	0.03	8
0058 WS52983-80um	44	5	0.97	1302	26	0.03	97	X	0.04	4
0059 WS52984-80um	15	6	1.03	1263	28	0.05	48	X	0.04	3
0060 WS52985-80um	38	6	1.06	1608	30	0.07	94	X	0.03	5
0061 WS52986-80um	37	7	1.22	1582	30	0.07	257	X	0.05	6
0062 WS52987-80um	18	8	1.19	1552	29	0.09	199	X	0.06	5
0063 WS52988-80um	39	8	1.05	1347	X	0.03	63	X	0.04	3
0064 WS52989-80um	32	16	2.35	1447	X	0.06	46	X	0.05	5
0065 WS52990-80um	26	11	1.62	2016	X	0.05	31	X	0.05	4
0066 WS52991-80um	17	7	1.86	969	X	0.03	22	X	0.03	3
0067 WS52992-80um	20	8	1.16	1301	X	0.04	23	X	0.05	3
0068 WS52993-80um	29	9	2.97	1501	X	0.07	32	X	0.04	4
0069 WS52994-80um	82	14	5.04*	963	X	0.05	15	1	0.03	6
0070 WS52995-80um	23	11	2.17	1763	X	0.06	87	X	0.04	4
0071 WS52996-80um	51	18	4.42	1240	X	0.05	27	1	0.03	5
0072 WS52997-80um	9	8	1.02	781	X	0.02	70	X	0.03	2
0073 WS52998-80um	24	8	1.64	1181	X	0.06	66	X	0.03	4
0074 WS52999-80um	14	11	1.41	1134	X	0.05	552	X	0.04	4
0075 WS53000-80um	32	9	1.88	1191	X	0.05	61	X	0.03	4
0076 WS53001-80um	13	9	1.00	938	X	0.03	36	X	0.04	3
0077 WS53002-80um	12	4	0.26	441	X	0.01	17	X	0.03	2
0078 WS53003-80um	31	7	2.73	677	X	0.04	31	X	0.03	4
0079 WS53004-80um	23	8	1.34	897	X	0.03	61	X	0.04	4
0080 WS53005-80um	10	6	1.04	476	X	0.02	44	X	0.03	3

ANALYSIS

ELEMENTS	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W
UNITS	ppm									
DETECTION LIMIT	20	1	2	1	1	2	5	2	2	2
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0041 WS52966-80um	52	6	X	2	6	X	46	X	17	X
0042 WS52967-80um	51	4	X	1	5	X	36	X	16	X
0043 WS52968-80um	87	7	X	1	5	X	63	X	22	X
0044 WS52969-80um	70	4	X	X	6	X	34	X	12	X
0045 WS52970-80um	77	4	X	X	4	X	42	X	15	X
0046 WS52971-80um	89	4	X	X	10	X	73	X	10	X
0047 WS52972-80um	83	6	X	1	8	X	52	X	13	X
0048 WS52973-80um	72	8	X	3	7	X	26	X	33	X
0049 WS52974-80um	69	3	X	X	9	X	26	X	9	X
0050 WS52975-80um	57	4	X	X	4	X	43	X	15	X
0051 WS52976-80um	56	4	X	X	7	X	71	X	13	X
0052 WS52977-80um	45	4	X	1	6	X	18	X	12	X
0053 WS52978-80um	57	4	X	X	5	X	59	X	10	X
0054 WS52979-80um	49	3	X	X	7	X	112	X	12	X
0055 WS52980-80um	45	3	X	X	6	X	27	X	12	X
0056 WS52981-80um	54	4	X	1	8	X	317	X	18	X
0057 WS52982-80um	82	5	X	1	8	X	106	X	16	X
0058 WS52983-80um	67	5	X	X	9	X	117	X	13	X
0059 WS52984-80um	59	6	X	1	6	X	40	X	16	X
0060 WS52985-80um	62	6	X	1	7	X	112	X	13	X
0061 WS52986-80um	66	7	X	2	8	X	42	X	14	X
0062 WS52987-80um	103	8	X	1	17	X	62	X	15	X
0063 WS52988-80um	45	5	X	X	7	X	185	X	13	X
0064 WS52989-80um	106	20	X	2	14	X	59	X	23	X
0065 WS52990-80um	72	5	X	1	8	X	21	X	18	X
0066 WS52991-80um	74	5	X	X	5	X	20	X	19	X
0067 WS52992-80um	84	7	X	X	10	X	13	X	13	X
0068 WS52993-80um	64	9	X	2	8	X	16	X	23	X
0069 WS52994-80um	124	16	X	3	4	X	12	X	43	X
0070 WS52995-80um	154	9	X	2	16	X	34	X	31	X
0071 WS52996-80um	149	10	X	2	8	X	23	X	48	X
0072 WS52997-80um	67	3	X	X	5	X	66	X	16	X
0073 WS52998-80um	79	6	X	1	10	X	48	X	24	X
0074 WS52999-80um	136	6	X	1	7	X	41	X	20	X
0075 WS53000-80um	88	7	X	1	7	X	26	X	25	X
0076 WS53001-80um	64	4	X	X	8	X	17	X	13	X
0077 WS53002-80um	38	2	X	X	3	X	15	X	5	X
0078 WS53003-80um	99	4	X	X	4	X	16	X	32	X
0079 WS53004-80um	127	5	X	X	7	X	15	X	19	X
0080 WS53005-80um	108	4	X	X	3	X	25	X	19	X

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE
SAMPLE NUMBERS	
0041 WS52966-80um	5
0042 WS52967-80um	12
0043 WS52968-80um	13
0044 WS52969-80um	7
0045 WS52970-80um	8
0046 WS52971-80um	6
0047 WS52972-80um	7
0048 WS52973-80um	9
0049 WS52974-80um	7
0050 WS52975-80um	6
0051 WS52976-80um	7
0052 WS52977-80um	6
0053 WS52978-80um	10
0054 WS52979-80um	9
0055 WS52980-80um	13
0056 WS52981-80um	18
0057 WS52982-80um	18
0058 WS52983-80um	8
0059 WS52984-80um	5
0060 WS52985-80um	10
0061 WS52986-80um	9
0062 WS52987-80um	9
0063 WS52988-80um	12
0064 WS52989-80um	12
0065 WS52990-80um	7
0066 WS52991-80um	6
0067 WS52992-80um	9
0068 WS52993-80um	8
0069 WS52994-80um	5
0070 WS52995-80um	11
0071 WS52996-80um	7
0072 WS52997-80um	10
0073 WS52998-80um	13
0074 WS52999-80um	21
0075 WS53000-80um	11
0076 WS53001-80um	9
0077 WS53002-80um	3
0078 WS53003-80um	4
0079 WS53004-80um	7
0080 WS53005-80um	4

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
SAMPLE NUMBERS										
0081 WS53006-80um	2	X	2.16%	25	20	X	0.03	X	70	2
0082 WS53007-80um	1	X	1.36%	10	22	X	0.03	X	81	3
0083 WS53008-80um	2	X	2.25%	15	22	X	0.04	X	75	3
0084 WS53009-80um	1	X	9573	7	25	X	0.08	X	91	2
0085 WS53010-80um	1	X	2.32%	X	28	X	0.08	X	76	3
0086 WS53011-80um	2	X	5229	X	22	X	0.06	X	105	2
0087 WS53012-80um	X	X	1.15%	X	27	X	0.05	X	95	2
0088 WS53013-80um	X	X	1.71%	X	48	X	0.18	X	91	4
0089 WS53014-80um	2	X	8831	X	34	X	0.06	X	105	3
0090 WS53015-80um	X	X	3471	X	25	X	0.03	X	98	3
0091 WS53016-80um	1	X	6170	X	31	X	0.04	X	98	2
0092 WS53017-80um	2	X	1.28%	X	31	X	0.04	X	92	3
0093 WS53018-80um	X	X	6433	X	27	X	0.04	X	93	3
0094 WS53019-80um	1	X	4694	X	45	X	0.07	X	102	3
0095 WS53020-80um	1	X	4166	X	30	X	0.08	X	72	3
0096 WS53021-80um	2	X	8167	X	51	X	0.10	X	73	3
0097 WS53022-80um	1	X	7679	X	31	X	0.06	X	77	2
0098 WS53023-80um	2	X	1.97%	X	59	X	0.07	X	84	3
0099 WS53024-80um	X	X	7537	X	30	X	0.06	X	79	3
0100 WS53025-80um	X	X	7580	5	24	X	0.10	X	77	3
0101 WS53026-80um	1	X	1.53%	X	23	X	0.06	X	84	2
0102 WS53027-80um	1	X	1.27%	X	25	X	0.04	X	90	3
0103 WS53028-80um	1	X	1.77%	14	22	X	0.07	X	72	3
0104 WS53029-80um	3	X	2.00%	7	35	X	0.17	X	63	3
0105 WS53030-80um	1	X	6995	X	12	X	0.03	X	82	3
0106 WS53031-80um	3	X	2.02%	5	68	X	0.26	X	65	3
0107 WS53032-80um	2	X	1.68%	X	49	X	0.10	X	74	3
0108 WS53033-80um	1	X	1.79%	X	27	X	0.04	X	79	3
0109 WS53034-80um	3	X	1.63%	X	28	X	0.05	X	80	4
0110 WS53035-80um	2	X	1.59%	X	47	X	0.07	X	101	5
0111 WS53036-80um	1	X	4220	X	17	X	0.06	X	78	2
0112 WS53037-80um	2	X	1.33%	8	43	X	0.06	X	100	3
0113 WS53038-80um	X	X	6648	X	21	X	0.04	X	83	3
0114 WS53040-80um	4	X	2.73%	7	31	X	0.07	X	92	3
0115 WS53041-80um	2	X	8004	5	27	X	0.08	X	99	3
0116 WS53042-80um	2	X	4792	X	22	X	0.05	X	114	3
0117 WS53043-80um	2	X	8707	X	36	X	0.09	X	114	3
0118 WS53044-80um	X	X	4975	X	36	X	0.10	X	104	2
0119 WS53045-80um	X	X	1.10%	X	38	X	0.10	X	101	2
0120 WS53046-80um	X	X	8887	X	36	X	0.06	X	119	3

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0081 WS53006-80um	32	13	2.88	862	X	0.07	73	X	0.03	5
0082 WS53007-80um	16	8	1.90	906	X	0.07	51	X	0.04	4
0083 WS53008-80um	28	14	2.69	921	X	0.08	97	X	0.04	6
0084 WS53009-80um	14	8	1.67	853	X	0.04	95	X	0.05	4
0085 WS53010-80um	30	8	2.33	876	X	0.06	361	X	0.04	7
0086 WS53011-80um	10	7	0.98	767	26	0.03	87	X	0.03	3
0087 WS53012-80um	25	7	1.67	781	X	0.03	30	X	0.04	4
0088 WS53013-80um	23	16	1.94	1462	X	0.11	443	X	0.05	10
0089 WS53014-80um	26	8	1.11	1223	23	0.09	58	X	0.05	6
0090 WS53015-80um	7	6	0.63	737	21	0.04	38	X	0.03	3
0091 WS53016-80um	24	6	1.04	909	20	0.04	30	X	0.03	4
0092 WS53017-80um	22	8	1.70	971	X	0.06	42	X	0.04	5
0093 WS53018-80um	20	5	0.97	883	X	0.04	175	X	0.03	3
0094 WS53019-80um	12	8	0.83	1340	25	0.03	37	X	0.05	3
0095 WS53020-80um	35	7	0.76	913	X	0.03	31	X	0.03	4
0096 WS53021-80um	19	14	1.47	1716	X	0.04	61	X	0.03	5
0097 WS53022-80um	40	8	1.11	992	X	0.04	38	X	0.03	3
0098 WS53023-80um	32	14	2.53	1292	X	0.06	73	X	0.03	5
0099 WS53024-80um	22	7	0.99	862	X	0.03	37	X	0.04	3
0100 WS53025-80um	17	8	1.50	896	X	0.03	38	X	0.03	3
0101 WS53026-80um	43	10	2.34	885	X	0.04	66	X	0.04	4
0102 WS53027-80um	19	8	2.00	943	X	0.03	79	X	0.03	4
0103 WS53028-80um	44	11	2.80	801	X	0.03	54	1	0.03	5
0104 WS53029-80um	32	13	2.94	1122	X	0.05	273	1	0.03	5
0105 WS53030-80um	22	6	1.53	437	X	0.02	55	X	0.02	2
0106 WS53031-80um	36	27	3.02	2020	X	0.08	272	2	0.04	8
0107 WS53032-80um	76	20	2.27	2015	X	0.09	316	X	0.04	8
0108 WS53033-80um	18	8	1.86	891	X	0.05	286	X	0.04	5
0109 WS53034-80um	25	9	1.65	1151	X	0.09	360	X	0.03	6
0110 WS53035-80um	19	13	1.79	1719	20	0.12	720	X	0.03	8
0111 WS53036-80um	17	5	0.55	522	X	0.03	185	X	0.02	3
0112 WS53037-80um	15	9	1.36	1210	X	0.07	343	X	0.03	6
0113 WS53038-80um	19	9	0.88	655	X	0.03	312	X	0.03	3
0114 WS53040-80um	31	17	2.55	1347	X	0.11	406	X	0.04	11
0115 WS53041-80um	24	10	1.03	801	23	0.04	994	X	0.02	4
0116 WS53042-80um	9	7	0.71	973	28	0.04	69	X	0.02	4
0117 WS53043-80um	48	12	1.35	1813	24	0.11	247	X	0.03	7
0118 WS53044-80um	12	6	0.71	926	23	0.04	323	X	0.03	2
0119 WS53045-80um	25	6	1.47	1143	X	0.06	144	X	0.04	4
0120 WS53046-80um	13	7	0.84	1544	27	0.05	98	X	0.04	4

ANALYSIS

ELEMENTS	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W
UNITS	ppm									
DETECTION LIMIT	20	1	2	1	1	2	5	2	2	2
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0081 WS53006-80um	147	9	X	2	6	X	37	X	35	X
0082 WS53007-80um	154	7	X	X	7	X	71	X	23	X
0083 WS53008-80um	278	10	X	2	6	X	58	X	34	X
0084 WS53009-80um	193	5	X	X	9	X	26	X	23	X
0085 WS53010-80um	217	7	X	1	14	X	21	X	28	X
0086 WS53011-80um	87	4	X	X	7	X	22	X	13	X
0087 WS53012-80um	136	6	X	X	6	X	29	X	23	X
0088 WS53013-80um	212	7	X	1	16	X	48	X	21	X
0089 WS53014-80um	107	5	X	X	6	X	41	X	13	X
0090 WS53015-80um	76	3	X	X	5	X	17	X	8	X
0091 WS53016-80um	88	5	X	X	5	X	17	X	15	X
0092 WS53017-80um	114	6	X	X	6	X	12	X	21	X
0093 WS53018-80um	95	5	X	X	5	X	18	X	12	X
0094 WS53019-80um	86	6	X	X	9	X	14	X	11	X
0095 WS53020-80um	64	4	X	X	7	X	12	X	10	X
0096 WS53021-80um	77	6	X	X	11	X	8	X	15	X
0097 WS53022-80um	84	4	X	X	12	X	10	X	17	X
0098 WS53023-80um	132	9	X	1	12	X	25	X	27	X
0099 WS53024-80um	115	5	X	X	9	X	20	X	13	X
0100 WS53025-80um	153	6	X	X	10	X	12	X	18	X
0101 WS53026-80um	211	7	X	1	6	X	24	X	34	X
0102 WS53027-80um	172	7	X	1	5	X	27	X	25	X
0103 WS53028-80um	195	6	X	1	9	X	22	X	36	X
0104 WS53029-80um	239	7	X	1	20	X	20	X	38	X
0105 WS53030-80um	76	4	X	X	3	X	45	X	30	X
0106 WS53031-80um	208	8	X	2	25	X	30	X	29	X
0107 WS53032-80um	155	7	X	2	10	X	59	X	23	X
0108 WS53033-80um	168	8	X	1	6	X	40	X	23	X
0109 WS53034-80um	109	7	X	1	7	X	75	X	22	X
0110 WS53035-80um	178	8	X	1	8	X	48	X	20	X
0111 WS53036-80um	94	3	X	X	6	X	98	X	7	X
0112 WS53037-80um	156	7	X	1	8	X	69	X	18	X
0113 WS53038-80um	215	6	X	X	4	X	46	X	12	X
0114 WS53040-80um	323	12	X	2	7	X	111	X	36	X
0115 WS53041-80um	266	6	X	X	6	X	36	X	14	X
0116 WS53042-80um	86	4	X	X	5	X	60	X	9	X
0117 WS53043-80um	95	7	X	X	8	X	90	X	16	X
0118 WS53044-80um	113	4	X	X	11	X	35	X	10	X
0119 WS53045-80um	116	6	X	X	10	X	17	X	18	X
0120 WS53046-80um	114	5	X	X	10	X	20	X	12	X

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE

SAMPLE NUMBERS

0081 WS53006-80um	9
0082 WS53007-80um	8
0083 WS53008-80um	14
0084 WS53009-80um	7
0085 WS53010-80um	13
0086 WS53011-80um	5
0087 WS53012-80um	5
0088 WS53013-80um	26
0089 WS53014-80um	14
0090 WS53015-80um	6
0091 WS53016-80um	6
0092 WS53017-80um	8
0093 WS53018-80um	7
0094 WS53019-80um	19
0095 WS53020-80um	8
0096 WS53021-80um	13
0097 WS53022-80um	10
0098 WS53023-80um	11
0099 WS53024-80um	10
0100 WS53025-80um	5
0101 WS53026-80um	6
0102 WS53027-80um	9
0103 WS53028-80um	6
0104 WS53029-80um	7
0105 WS53030-80um	5
0106 WS53031-80um	12
0107 WS53032-80um	15
0108 WS53033-80um	12
0109 WS53034-80um	13
0110 WS53035-80um	21
0111 WS53036-80um	5
0112 WS53037-80um	10
0113 WS53038-80um	11
0114 WS53040-80um	23
0115 WS53041-80um	16
0116 WS53042-80um	7
0117 WS53043-80um	13
0118 WS53044-80um	7
0119 WS53045-80um	6
0120 WS53046-80um	8

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
SAMPLE NUMBERS										
0121 WS53047-80um	2	X	4147	X	22	X	0.06	X	99	2
0122 WS53048-80um	X	X	4937	X	18	X	0.03	X	108	2
0123 WS53049-80um	X	X	8760	X	40	X	0.03	X	123	3
0124 WS53050-80um	X	X	7638	X	38	X	0.03	X	99	3
0125 WS53051-80um	X	X	1.31%	X	32	X	0.03	X	90	2
0126 WS53052-80um	X	X	1.12%	X	40	X	0.02	X	112	3
0127 WS53053-80um	2	X	5553	X	28	X	0.02	X	98	2
0128 WS53054-80um	3	X	1.16%	8	40	X	0.08	X	111	2
0129 WS53055-80um	1	X	1.39%	X	48	X	0.04	X	94	2
0130 WS53056-80um	2	X	1.34%	X	42	X	0.04	X	73	3
0131 WS53057-80um	2	X	1.80%	X	39	X	0.04	X	92	2
0132 WS53058-80um	1	X	1.42%	X	37	X	0.04	X	98	3
0133 WS53059-80um	2	X	2.13%	X	55	X	0.06	X	78	2
0134 WS53060-80um	1	X	2.54%	5	36	X	0.04	X	76	2
0135 WS53061-80um	1	X	1.10%	X	39	X	0.11	X	86	3
0136 WS53062-80um	3	X	1.64%	12	44	X	0.13	X	94	2
0137 WS53063-80um	X	X	1.24%	5	49	X	0.05	X	108	3
0138 WS53064-80um	2	X	1.02%	X	33	X	0.02	X	100	2
0139 WS53065-80um	X	X	7135	X	28	X	0.03	X	91	3
0140 WS53066-80um	X	X	7695	X	34	X	0.03	X	98	2
0141 WS53067-80um	2	X	2.71%	12	30	X	0.04	X	92	2
0142 WS53068-80um	2	X	6942	X	43	X	0.10	X	96	2
0143 WS53069-80um	1	X	1.22%	8	33	X	0.05	X	100	2
0144 WS53070-80um	1	X	6311	X	27	X	0.04	X	93	3
0145 WS53071-80um	2	X	1.60%	11	32	X	0.04	X	99	2
0146 WS53072-80um	1	X	1.46%	7	75	X	0.16	X	105	3
0147 WS53073-80um	2	X	1.70%	26	28	X	0.05	X	93	2
0148 WS53074-80um	1	X	9118	15	25	X	0.06	X	97	2
0149 WS53075-80um	X	X	5998	12	20	X	0.04	X	88	2
0150 WS53076-80um	X	X	3868	7	23	X	0.07	X	106	3
0151 WS53077-80um	X	X	1.45%	X	42	X	0.08	X	119	3
0152 WS53078-80um	1	X	2564	X	19	X	0.02	X	91	3
0153 WS53079-80um	3	X	1.62%	25	41	X	0.12	X	110	3
0154 WS53080-80um	1	X	4405	X	27	X	0.05	X	99	2
0155 WS53081-80um	1	X	1.06%	6	66	X	0.20	X	106	3
0156 WS53082-80um	2	X	9026	X	39	X	0.03	X	99	3
0157 WS53083-80um	1	X	2.04%	6	111	X	0.39	X	110	3
0158 WS53084-80um	X	X	2.58%	5	39	X	0.05	X	93	3
0159 WS53085-80um	X	X	5280	X	24	X	0.04	X	110	2
0160 WS53086-80um	X	X	6823	X	28	X	0.15	X	104	3

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0121 WS53047-80um	18	4	0.55	739	23	0.03	40	X	0.03	2
0122 WS53048-80um	10	5	0.75	662	24	0.03	55	X	0.03	2
0123 WS53049-80um	25	5	1.00	1396	28	0.07	56	X	0.04	3
0124 WS53050-80um	12	5	0.91	1207	21	0.05	57	X	0.04	2
0125 WS53051-80um	41	4	1.73	861	X	0.06	33	X	0.03	4
0126 WS53052-80um	14	5	0.91	1400	25	0.06	55	X	0.04	3
0127 WS53053-80um	21	3	0.63	881	20	0.04	45	X	0.03	2
0128 WS53054-80um	18	12	1.11	1568	23	0.05	63	X	0.03	4
0129 WS53055-80um	24	7	0.74	1497	X	0.05	47	X	0.03	3
0130 WS53056-80um	18	6	1.30	1445	X	0.06	71	X	0.03	4
0131 WS53057-80um	31	6	1.31	1438	X	0.05	38	X	0.04	3
0132 WS53058-80um	20	6	1.17	1407	X	0.06	41	X	0.04	3
0133 WS53059-80um	41	7	1.73	1436	X	0.07	25	X	0.04	3
0134 WS53060-80um	39	6	2.46	1134	X	0.05	22	X	0.03	3
0135 WS53061-80um	27	10	1.14	1147	X	0.06	107	X	0.04	3
0136 WS53062-80um	28	8	1.88	1420	X	0.06	177	X	0.03	4
0137 WS53063-80um	27	6	1.42	1187	22	0.06	38	X	0.03	2
0138 WS53064-80um	18	6	1.29	1216	X	0.03	57	X	0.03	2
0139 WS53065-80um	25	5	1.22	1325	X	0.04	51	X	0.03	2
0140 WS53066-80um	11	6	1.14	864	X	0.03	36	X	0.03	2
0141 WS53067-80um	62	5	3.71	1196	X	0.05	27	1	0.04	5
0142 WS53068-80um	17	7	1.02	1270	22	0.04	35	X	0.04	3
0143 WS53069-80um	28	4	1.35	1041	X	0.04	47	X	0.03	3
0144 WS53070-80um	8	7	0.54	829	X	0.03	48	X	0.03	3
0145 WS53071-80um	45	8	2.07	1196	X	0.04	31	X	0.04	4
0146 WS53072-80um	21	22	1.68	1863	22	0.08	193	X	0.05	6
0147 WS53073-80um	37	12	2.58	1136	X	0.06	68	X	0.04	4
0148 WS53074-80um	14	7	1.24	1037	X	0.03	53	X	0.04	3
0149 WS53075-80um	19	7	1.07	608	X	0.02	37	X	0.03	2
0150 WS53076-80um	7	8	0.54	751	23	0.02	67	X	0.04	2
0151 WS53077-80um	31	11	1.59	1541	27	0.06	209	X	0.05	5
0152 WS53078-80um	5	4	0.34	565	X	0.02	101	X	0.03	1
0153 WS53079-80um	37	19	2.39	1658	22	0.07	248	X	0.06	7
0154 WS53080-80um	7	7	0.61	1081	21	0.03	64	X	0.03	3
0155 WS53081-80um	24	10	1.02	1925	21	0.08	542	X	0.05	5
0156 WS53082-80um	19	10	1.13	2013	X	0.06	76	X	0.03	3
0157 WS53083-80um	39	13	1.12	5184	25	0.14	579	X	0.07	5
0158 WS53084-80um	38	6	2.15	1989	X	0.10	70	X	0.04	9
0159 WS53085-80um	23	4	0.56	1167	26	0.04	46	X	0.03	2
0160 WS53086-80um	10	6	0.55	1152	24	0.05	64	X	0.04	3

ANALYSIS

ELEMENTS	P	Pb	Sb	Sc	Sr	Te	Ti	Tl	V	W
UNITS	ppm									
DETECTION LIMIT	20	1	2	1	1	2	5	2	2	2
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0121 WS53047-80um	95	3	X	X	8	X	38	X	10	X
0122 WS53048-80um	47	3	X	X	4	X	85	X	9	X
0123 WS53049-80um	52	5	X	X	11	X	53	X	16	X
0124 WS53050-80um	44	5	X	X	6	X	42	X	13	X
0125 WS53051-80um	44	9	X	1	7	X	18	X	23	X
0126 WS53052-80um	41	6	X	1	5	X	29	X	15	X
0127 WS53053-80um	36	3	X	X	4	X	36	X	12	X
0128 WS53054-80um	67	7	X	X	8	X	20	X	12	X
0129 WS53055-80um	45	6	X	1	6	X	20	X	12	X
0130 WS53056-80um	29	5	X	1	6	X	34	X	13	X
0131 WS53057-80um	36	7	X	2	5	X	65	X	16	X
0132 WS53058-80um	36	6	X	1	5	X	37	X	15	X
0133 WS53059-80um	49	8	X	2	7	X	18	X	20	X
0134 WS53060-80um	75	10	X	2	5	X	25	X	27	X
0135 WS53061-80um	92	6	X	1	13	X	38	X	14	X
0136 WS53062-80um	80	8	X	2	12	X	23	X	19	X
0137 WS53063-80um	69	8	X	1	7	X	20	X	17	X
0138 WS53064-80um	43	5	X	1	4	X	45	X	15	X
0139 WS53065-80um	34	5	X	X	5	X	61	X	13	X
0140 WS53066-80um	97	6	X	X	9	X	32	X	17	X
0141 WS53067-80um	92	9	X	3	6	X	21	X	38	X
0142 WS53068-80um	72	5	X	X	15	X	35	X	12	X
0143 WS53069-80um	79	6	X	X	7	X	30	X	16	X
0144 WS53070-80um	81	5	X	X	6	X	36	X	7	X
0145 WS53071-80um	81	6	X	1	6	X	27	X	22	X
0146 WS53072-80um	145	9	X	2	26	X	54	X	26	X
0147 WS53073-80um	189	8	X	2	7	X	47	X	29	X
0148 WS53074-80um	125	5	X	X	8	X	74	X	20	X
0149 WS53075-80um	98	5	X	X	5	X	36	X	19	X
0150 WS53076-80um	73	3	X	X	10	X	116	X	7	X
0151 WS53077-80um	132	7	X	1	10	X	78	X	21	X
0152 WS53078-80um	31	2	X	X	3	X	92	X	4	X
0153 WS53079-80um	167	8	X	3	13	X	80	X	22	X
0154 WS53080-80um	109	3	X	X	4	X	23	X	8	X
0155 WS53081-80um	155	6	X	X	17	X	26	X	13	X
0156 WS53082-80um	68	6	X	X	6	X	47	X	15	X
0157 WS53083-80um	338*	9	X	2	39*	X	70	X	30	X
0158 WS53084-80um	81	10	X	2	9	X	73	X	33	X
0159 WS53085-80um	102	4	X	X	6	X	42	X	11	X
0160 WS53086-80um	135	4	X	X	17	X	32	X	11	X

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE

SAMPLE NUMBERS

0121 WS53047-80um	6
0122 WS53048-80um	5
0123 WS53049-80um	11
0124 WS53050-80um	7
0125 WS53051-80um	6
0126 WS53052-80um	11
0127 WS53053-80um	7
0128 WS53054-80um	11
0129 WS53055-80um	15
0130 WS53056-80um	18
0131 WS53057-80um	13
0132 WS53058-80um	8
0133 WS53059-80um	10
0134 WS53060-80um	4
0135 WS53061-80um	8
0136 WS53062-80um	7
0137 WS53063-80um	9
0138 WS53064-80um	9
0139 WS53065-80um	14
0140 WS53066-80um	7
0141 WS53067-80um	4
0142 WS53068-80um	7
0143 WS53069-80um	6
0144 WS53070-80um	7
0145 WS53071-80um	9
0146 WS53072-80um	10
0147 WS53073-80um	8
0148 WS53074-80um	8
0149 WS53075-80um	7
0150 WS53076-80um	9
0151 WS53077-80um	14
0152 WS53078-80um	7
0153 WS53079-80um	15
0154 WS53080-80um	4
0155 WS53081-80um	11
0156 WS53082-80um	9
0157 WS53083-80um	18
0158 WS53084-80um	10
0159 WS53085-80um	5
0160 WS53086-80um	5

ANALYSIS

ELEMENTS	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Ce	Co
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
DETECTION LIMIT	1	0.5	20	5	2	2	0.01	0.5	20	1
DIGEST	AR10/									
ANALYTICAL FINISH	GF	OE								
SAMPLE NUMBERS										
0161 WS53087-80um	X	X	4807	X	15	X	0.04	X	87	2
0162 WS53088-80um	2	X	1.44%	X	28	X	0.07	X	88	3
0163 WS53089-80um	1	X	5560	X	21	X	0.05	X	85	2
0164 WS53090-80um	X	X	8551	X	24	X	0.06	X	102	3
0165 WS53091-80um	X	X	5768	X	21	X	0.06	X	86	2
0166 WS53092-80um	2	X	1.69%	X	29	X	0.07	X	85	2

CHECKS

0001 WS52926-80um	2	X	1.28%	X	51	X	0.22	X	71	3
0002 WS52946-80um	2	X	1.60%	X	33	X	0.02	X	88	2
0003 WS52966-80um	3	X	1.26%	X	36	X	0.03	X	100	2
0004 WS52986-80um	X	X	1.08%	X	52	X	0.06	X	118	3
0005 WS53006-80um	2	X	2.41%	26	23	X	0.04	X	76	2
0006 WS53026-80um	1	X	1.57%	6	23	X	0.06	X	91	2
0007 WS53047-80um	1	X	3515	X	19	X	0.06	X	97	2
0008 WS53067-80um	2	X	2.35%	11	25	X	0.04	X	86	2
0009 WS53087-80um	X	X	4115	X	14	X	0.04	X	87	2

STANDARDS

0001 CMM-10	36	0.9	2.05%	141	25	14	10.25	1.2	X	39
0002 PL-19	12	X	1.04%	26	18	2	0.40	X	66	9
0003 CMM-10	33	0.9	2.06%	135	25	12	10.46	1.2	X	38
0004 PL-19	13	X	9638	23	17	4	0.39	X	63	9
0005 CMM-10	41	0.9	2.03%	120	24	15	9.83	1.1	X	39
0006 PL-19	11	X	9376	24	17	3	0.37	X	68	8
0007 CMM-10	36	0.9	1.84%	76	23	14	10.28	1.2	X	29

BLANKS

0001 Control Blank	X	X	40	X	X	X	0.02	X	55	2
0002 Control Blank	X	X	42	X	X	X	0.02	X	50	2

ANALYSIS

ELEMENTS	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni
UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
DETECTION LIMIT	2	1	0.01	20	20	0.01	1	1	0.01	1
DIGEST	AR10/									
ANALYTICAL FINISH	OE									
SAMPLE NUMBERS										
0161 WS53087-80um	16	4	0.28	656	X	0.02	25	X	0.03	2
0162 WS53088-80um	27	7	1.74	1211	X	0.06	78	X	0.03	5
0163 WS53089-80um	20	5	0.52	800	X	0.03	52	X	0.05	2
0164 WS53090-80um	12	6	1.07	865	X	0.04	339	X	0.04	3
0165 WS53091-80um	31	5	0.82	723	X	0.03	84	X	0.04	3
0166 WS53092-80um	32	7	1.67	1066	X	0.06	71	X	0.04	5

CHECKS

0001 WS52926-80um	24	19	1.64	1274	X	0.08	519	X	0.05	5
0002 WS52946-80um	24	5	1.58	921	X	0.04	38	X	0.03	3
0003 WS52966-80um	26	8	1.68	1391	X	0.04	31	X	0.03	3
0004 WS52986-80um	33	6	1.12	1309	28	0.07	243	X	0.04	5
0005 WS53006-80um	35	14	2.83	1011	X	0.09	89	X	0.04	7
0006 WS53026-80um	43	10	2.19	950	X	0.04	74	X	0.04	4
0007 WS53047-80um	16	4	0.52	613	X	0.03	33	X	0.03	2
0008 WS53067-80um	59	5	3.84	1005	X	0.04	20	X	0.04	3
0009 WS53087-80um	15	4	0.25	612	X	0.02	19	X	0.03	2

STANDARDS

0001 CMM-10	179	100	4.53	526	32	6.28	304	24	1.51	91
0002 PL-19	54	23	11.15	114	X	0.03	159	7	0.40	22
0003 CMM-10	176	98	4.48	513	33	6.05	301	24	1.46	89
0004 PL-19	53	22	8.57	102	X	0.03	147	5	0.38	21
0005 CMM-10	166	93	4.20	554	32	5.79	281	22	1.39	85
0006 PL-19	50	22	10.16	122	X	0.03	144	6	0.36	20
0007 CMM-10	170	95	4.14	455	28	5.88	289	16	1.41	88

BLANKS

0001 Control Blank	2	X	0.03	23	X	X	7	X	0.03	1
0002 Control Blank	X	X	0.01	X	X	X	2	X	0.03	X

ANALYSIS

ELEMENTS	Zn
UNITS	ppm
DETECTION LIMIT	1
DIGEST	AR10/
ANALYTICAL FINISH	OE

SAMPLE NUMBERS

0161 WS53087-80um	3
0162 WS53088-80um	5
0163 WS53089-80um	4
0164 WS53090-80um	6
0165 WS53091-80um	5
0166 WS53092-80um	5

CHECKS

0001 WS52926-80um	15
0002 WS52946-80um	7
0003 WS52966-80um	4
0004 WS52986-80um	9
0005 WS53006-80um	11
0006 WS53026-80um	8
0007 WS53047-80um	5
0008 WS53067-80um	3
0009 WS53087-80um	3

STANDARDS

0001 CMM-10	90
0002 PL-19	19
0003 CMM-10	89
0004 PL-19	18
0005 CMM-10	83
0006 PL-19	17
0007 CMM-10	87

BLANKS

0001 Control Blank	X
0002 Control Blank	X

METHOD CODE DESCRIPTION

AR10/GF

Genalysis Main Laboratory

Aqua-Regia digest. Analysed by Graphite Furnace Atomic Absorption Spectrometry.

AR10/OE

Genalysis Main Laboratory

Aqua-Regia digest. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry.