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Report on a Program of Geoelectrochemical
Exploration within EL 32/1997 and 11/1998.
Haslam C O*; Ionex
Abramson, G.; Goldberg, I. EL11/1998; EL32/1997

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**REPORT ON A PROGRAM OF
GEOELECTROCHEMICAL EXPLORATION
WITHIN EL 32 / 1997 AND EL 11 / 1998**

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IONEX Pty Ltd

**Dr I. S. Goldberg
Dr G. Abramson**

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SUMMARY

Geoelectrochemical exploration conducted within EL 32/1997 and EL 11/1998 has indicated two principal anomalous areas :

- THE SOUTHERN ANOMALOUS AREA , a continuation of the Hellyer Mine structure, and other parallel structures. This anomalous feature can be evaluated as a zone of mineralisation, which might contain local prospective ore zones .
- THE CENTRAL ANOMALOUS AREA , primarily a copper area with local gold anomalies. Further detailed work could identify gold-copper mineralisation .

1. INTRODUCTION

This report is based on the results of geochemical exploration within EL 32/1997 and also EL 11/1998 (the North Hellyer Project) . The soil sampling program covered an area of some 180 sq km , with a sampling density of 2 samples per sq km on a regular grid .

The samples were analysed at NPO Rudgeofizika (St. Petersburg , Russia) using the MPF and TMGM methods . The geochemical map preparation and the interpretation of results was carried out at IONEX Pty Ltd by Dr I. S. Goldberg , Dr G. Abramson and E. Belin .

The objective of the exploration program was to locate economic Cambrian VHMS deposits concealed beneath Tertiary basalts , or economic precious metal deposits within the Cambrian rocks .

2. GEOLOGY

The exploration area is located north of the Hellyer Mine (Fig.1) and consists of volcanogenic and volcanic-sedimentary rocks which are part of the Cambrian Mount Read Volcanic Belt (A.J. Crawford, K.D. Corbett, and J.L. Everard, 1992). In this area the Mount Read Volcanic Belt consists of an early sequence of feldspar – porphyritic lava and volcanoclastic rocks (Central Volcanic Complex) overlain by a volcanic-sedimentary sequence of volcanoclastics, greywacke, siltstone, and shale.

Almost 80 % of the sampled area is covered by Tertiary basalt of varying thickness (up to 300 metres). The Late Cambrian - early Ordovician Denison Group (largely conglomerate) and Cambrian Mount Read Volcanics outcrop in the southern part of the area.

3. METHODS

Two partial extraction exploration methods were used – MPF and TMGM.

As a rule, it is advisable to employ both in a regional geoelectrochemical exploration program.

The MPF method involves the selective extraction of fulvatic and humatic complexes, followed by separate analysis for carbon and nominated metals. The data analysis shows the ratio of metal to carbon.

The TMGM method involves the selective extraction of oxides and hydroxides of Fe and Mn from the soil. The extraction takes place after thermal treatment of these oxides and hydroxides, which transforms them into magnetic minerals. For MPF and TMGM, sensitive methods of chemical analysis are used for the extracted forms of the target metals.

Applying both methods increases the reliability of the results. Each method is designed for different forms of element occurrence, which have varying mobility in the soil. Therefore there may be differences in the data produced by these methods; This could affect the positions of the anomalies and their configurations. Depending on the specific conditions of the the local environment a single method could be effective. However, since there was no prior experience of working with these methods in this particular area, both methods were used.

3.1. Sampling

Two samples were taken at each point. MPF samples were taken from the surface layer of soil and TMGM samples were taken at a depth of 30-50 cm. Sampling density was 2 samples per km² (Fig.2 and Fig.3).

3.2. Analysis of samples

The soil samples were dried, screened, quartered and then sent to the laboratory at NPO Rudgeofizika (St. Petersburg, Russia).

The samples were analysed in two steps:

a) Firstly, all the MPF samples were analysed (Fig.2).

b) Secondly, after the interpretation of MPF data, the TMGM samples were analysed with a density of 1 sample per km² (Fig.3). It had been expected that the MPF data would clearly indicate outstanding anomalies, which would then be verified and detailed with the TMGM method. However, no such outstanding anomalies were detected.

It was decided to carry out TMGM analysis of the whole area with a reduced density.

The soil samples were analysed for Pb, Zn, Cu, Ag, As, Au, Co, Ni, Mn, V, Ti, and C.

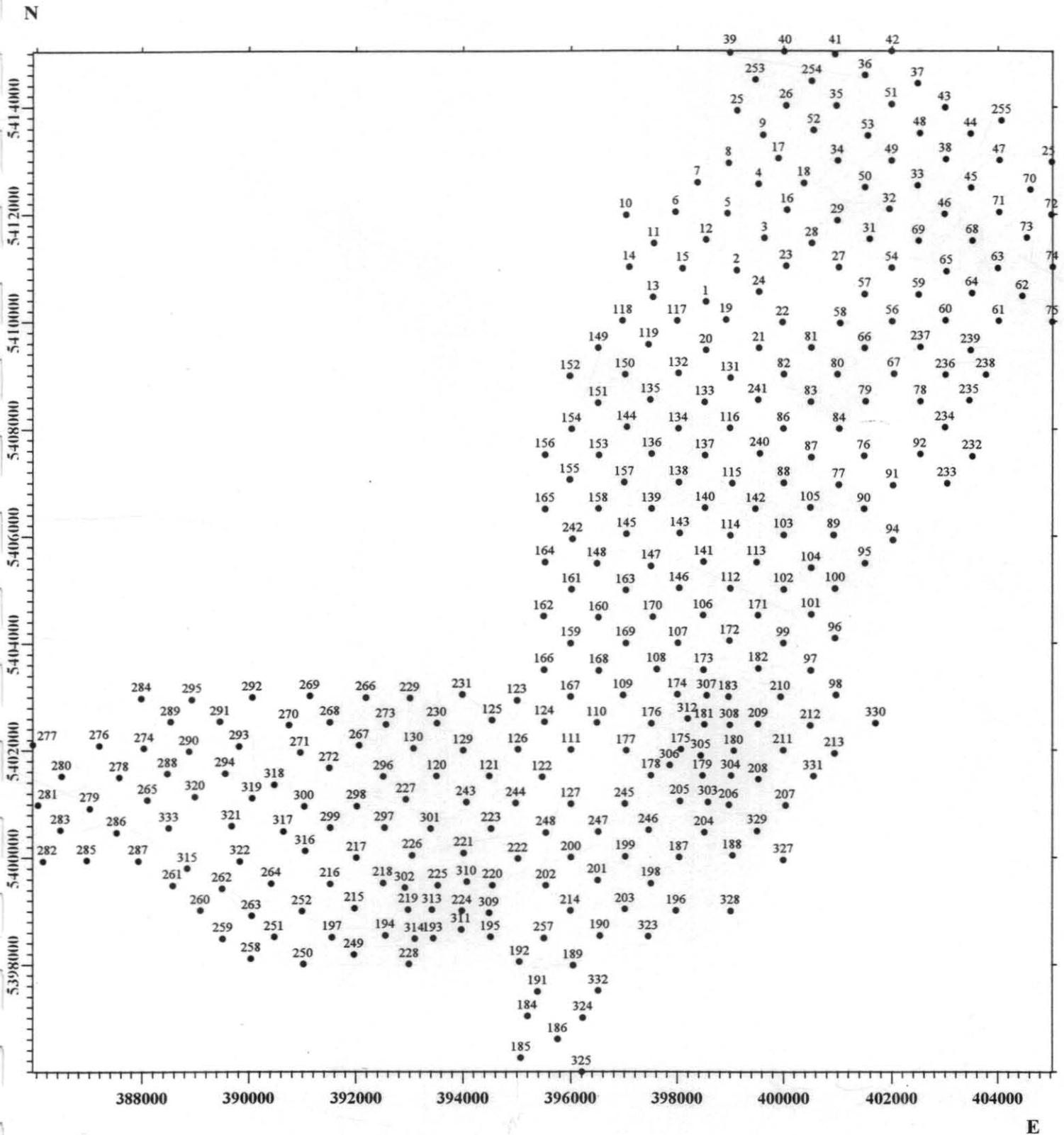


Fig. 2. Location of soil samples. MPF. North Hellyer project. Tasmania. Scale 1:100,000

5 cm

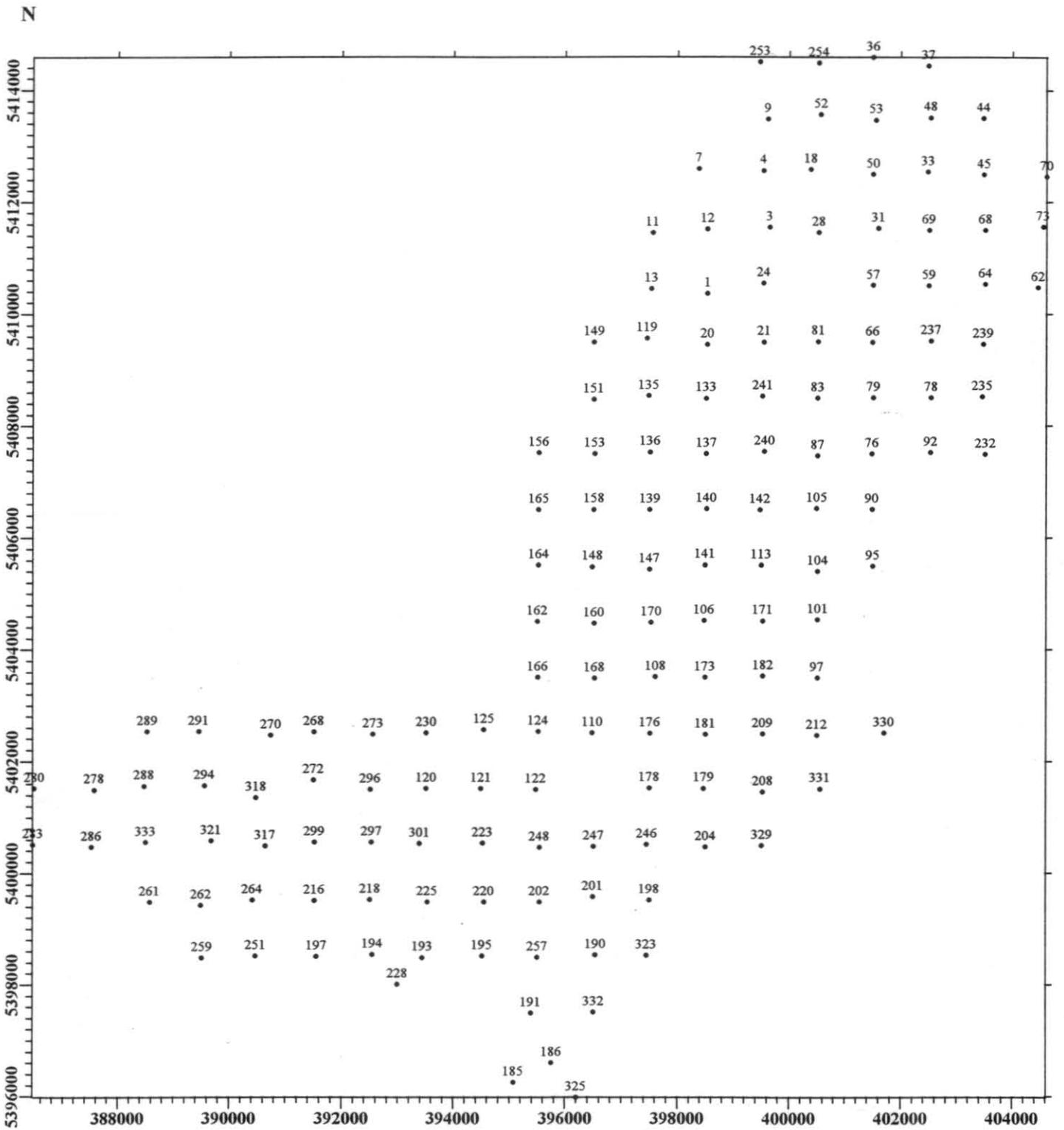


Fig. 3. Location of soil samples. TMGM. North Hellyer project. Tasmania. Scale 1:100,000



3.3. Control of analysis (MPF)

Number of Samples : 11 (for Au : 9)

The significance threshold for 11 samples is 0.55, for 9 samples is 0.60

Table 1 Correlation coefficient between main and control samples

Elements/C %	Correlation coefficient
Pb/C	0.96
Zn/C	0.84
Cu/C	0.67
Ag/C	-0.02 *
As/C	0.70
Au/C	0.61
Ni/C	0.90
Co/C	0.68
Mn/C	0.15*
Ti/C	0.76

* no correlation

The control demonstrated that analysis for Pb, Zn, Cu, As, Au, Ni, Co, and Ti was quite reproducible (correlation coefficients more than the significance thresholds). Analyses for Ag and Mn were non-reproducible.

3.4. Interpretation

The following points were considered in the interpretation:

- 1) Diverse composition of the rock underlying the soil;
- 2) Regularity in the geochemical field structure, determined by the authors as ore targets. (Goldberg et al, 1997; Goldberg et al., 1999).

To briefly discuss these points:

Diverse composition of the rock underlying the soil

Soils in the area are formed over at least two types of rock: Tertiary basalt, which constitutes the major part of the area, and Cambrian volcanic-sedimentary rocks, which host the ore mineralisation. A statistical analysis of the distribution of various metals in soil which forms above these two types of rock, has shown a significant influence of the composition of the rock on the value of the background. This allows one to determine the threshold of anomalism for certain metals (Tables 2 and 3). Thus for lead, the average abundance value in soil above volcanic-sedimentary rocks is greater than in soil above basalt. In the case of copper and cobalt the pattern is reversed. In the case of gold and zinc, no significant influence of underlying rocks is detected. As Tables 2 and 3 show, this correlation is associated with the average concentration of elements in the rock.

This factor is important when outlining the various metal anomalies.

Table 2. Background values of metals in soil (MPF data) and abundance values of metals in rock. (Vinogradov, 1962)

Elements	Me / C% (soil) and Metal ppm (rock)			
	Soil above basalt Me / C%	Basalt ppm	Soil above volcanic- sedimentary rock, Me / C%	Volcanic- sedimentary rock ppm
Pb	$<0.45 \cdot 10^2$	8	$0.45-0.89 \cdot 10^2$	20
Zn	$1.25-2.80 \cdot 10^2$	130	$1.25-2.80 \cdot 10^2$	80
Cu	$1.18-2.40 \cdot 10^2$	100	$<1.18 \cdot 10^2$	57
Au	$0.16-0.45 \cdot 10^4$	0.004	$0.16-0.45 \cdot 10^4$	0.004
Co	$0.10-0.33 \cdot 10^2$	45	$<0.10 \cdot 10^2$	20

Table 3. Background values of metals in soil (TMGM data) and abundance values of metals in rock. (Vinogradov, 1962)

Elements	Metal ppm (soil) and metal ppm (rock)			
	Soil above basalt ppm	Basalt ppm	Soil above volcanic-sedimentary sequence - ppm	Volcanic-sedimentary sequence ppm
Pb	<4.38	8	4.38-7.61	20
Zn	57.6-135	130	<57.6	80
Cu	31.6-63.0	100	<31.6	57
Au	2.50-7.95	0.004	2.50-7.95	0.004
Co	12.5-44.7	45	<12.5	20

Regularity in the geochemical field structure.

Anomalies deemed prospective have the following qualities:

- a) Polar zoning of target metals, which can be seen as a correlation of their positive and negative anomalies. The size of the negative anomalies ('depletion zones') and the correlation between positive and negative anomalies are criteria when judging prospectivity.
- b) The presence of positive anomalies for the ferrous group of elements surrounding positive anomalies for ore elements.
- c) Low values of concentration for mobile carbon (MPF data) within the limits of a positive anomaly for an ore element.

4. DESCRIPTION OF RESULTS

4.1 MPF Data

4.1.1 Lead (Pb/C %)

On the area of basalt cover small lead anomalies have been detected ($<0.45 \cdot 10^2\%$) in the northern and southern parts (Fig.4). In the exposed parts of the area, mainly in the south, on the continuation of the Hellyer deposit structure, there are positive anomalies with a concentration of $> 0.89 \cdot 10^2\%$. A parallel anomalous structure has been detected 5 km to the west.

4.1.2 Zinc (Zn/C %)

In the eastern part of the area of basalt outcrop, small zinc anomalies have been detected (Fig. 5). They are concentrated in a northeast trending strip, which extends from the Cambrian rock outcrop in the southern part of the area. In the exposed southern flank of the area, a zinc anomaly has been detected with partially coincides with the lead anomaly (Fig.4).

4.1.3 Copper (Cu/C%)

Two geochemical environments for copper can be clearly observed (Fig.6): in the area of the basalt and in the area of the volcanogenic-sedimentary rocks. In the area of basalt outcrop, the central part of the area, a significant cross-shaped anomaly has been detected. It is generally directed to the northeast. In the exposed southern part, there are small copper anomalies directly continuing from the Hellyer ore deposit.

4.1.4 Gold (Au/C%)

Gold (Fig.7) is seen in the form of a number of local anomalies. The most prominent of these is in the central part of the area, spatially associated with the copper anomalies (Fig.6). A local gold anomaly occurs in the south of the area and coincides with the lead (Fig.4), zinc (Fig.5) and copper (Fig. 6) anomalies.

4.1.5 Cobalt (Co/C%)

Cobalt (Fig.8) forms a set of local anomalies in the central part of the area. The most significant of these is located east of the copper (Fig.6) and gold (Fig.7) anomalies.

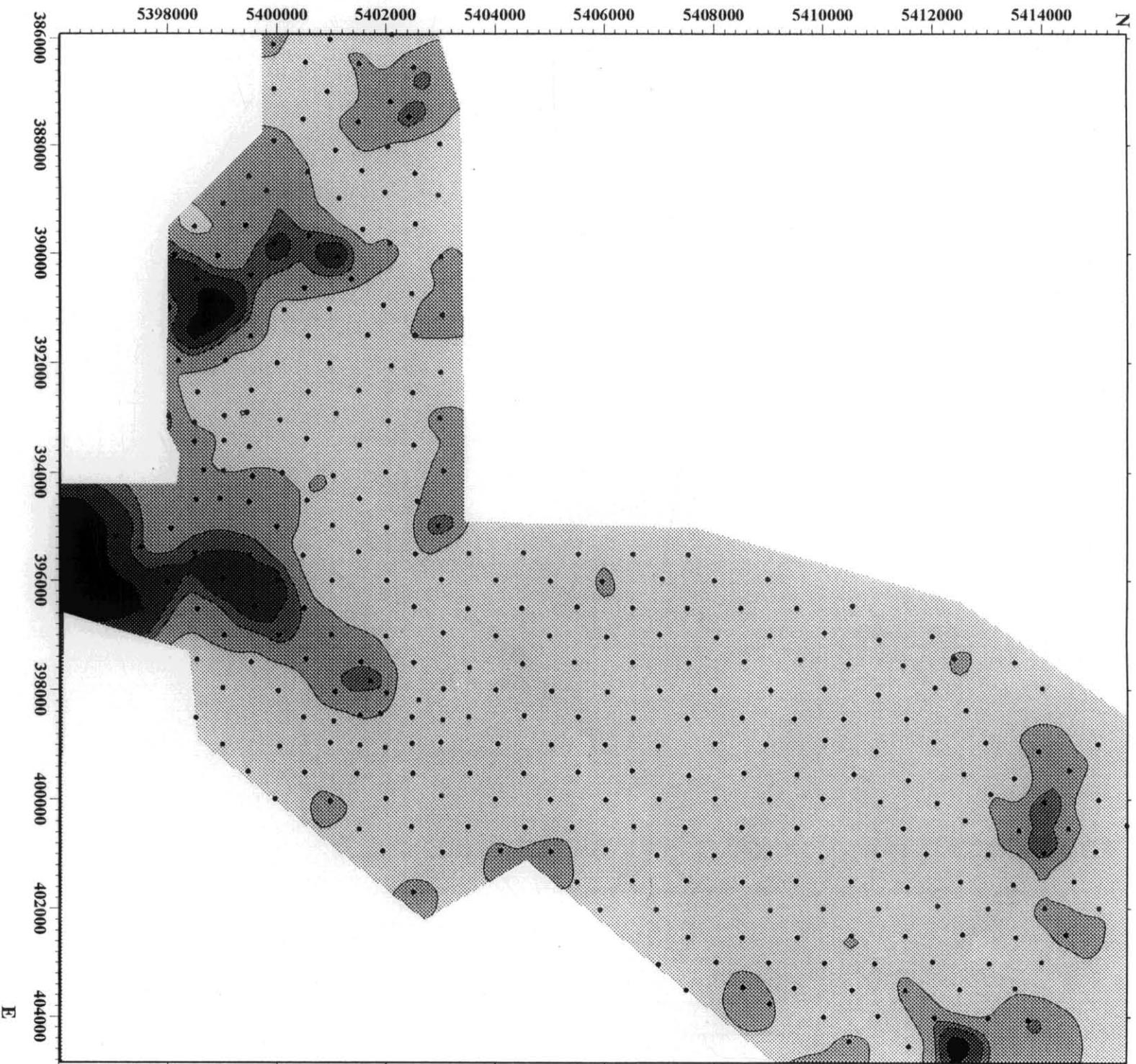
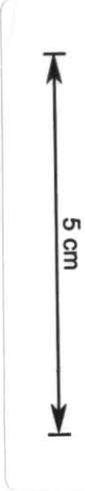


Fig. 4. Distribution of Pb/C% in soil. MPF. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)

Pb/C%*10²



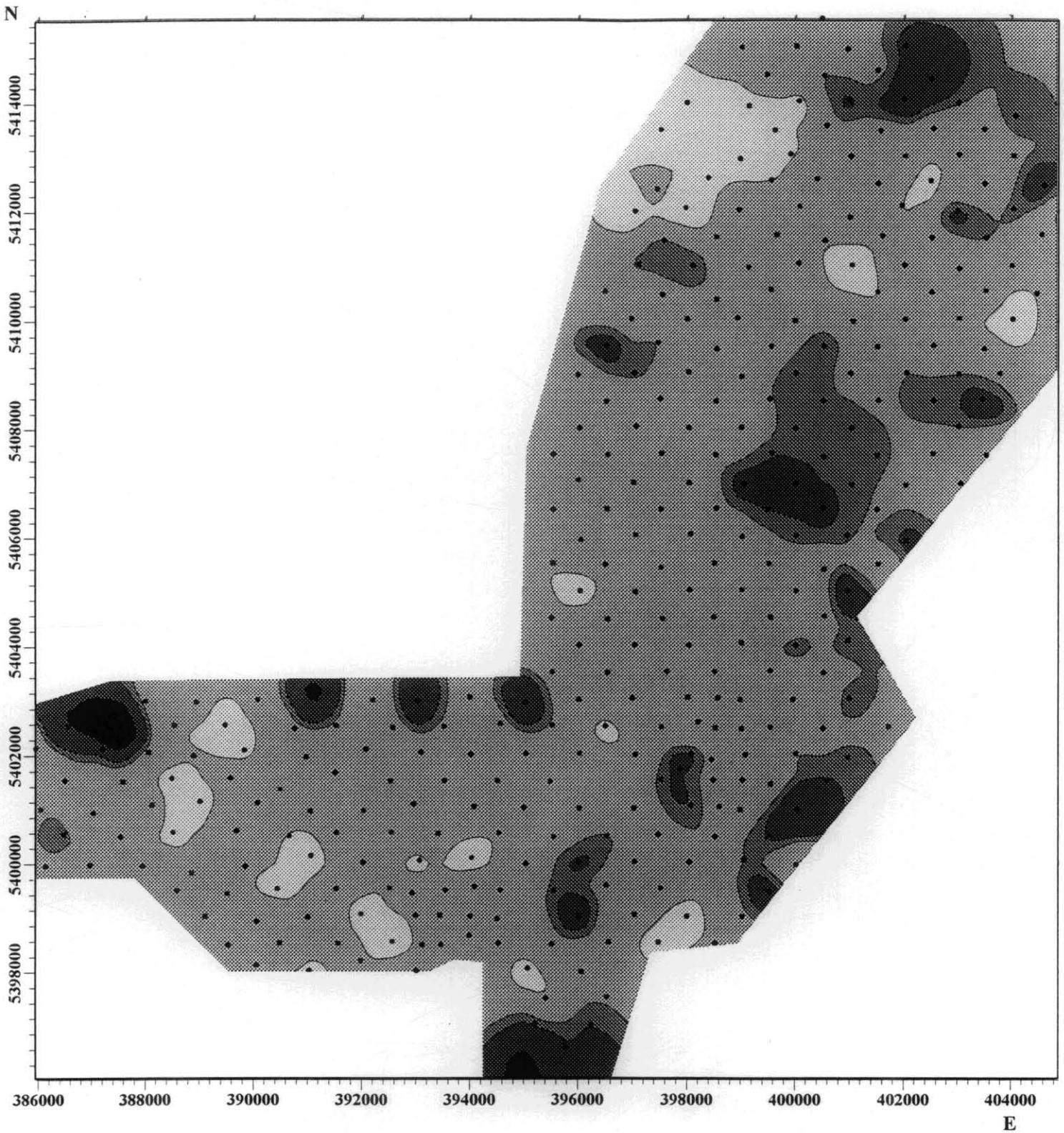
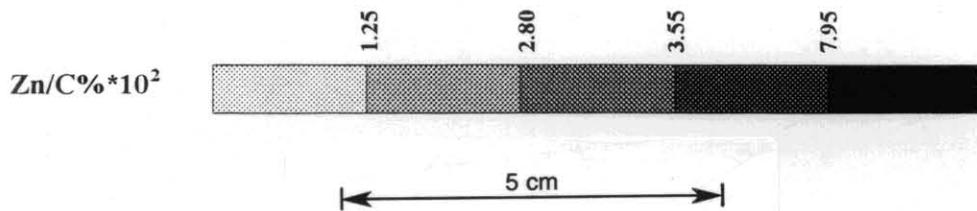


Fig. 5. Distribution of Zn/C% in soil. MPF. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



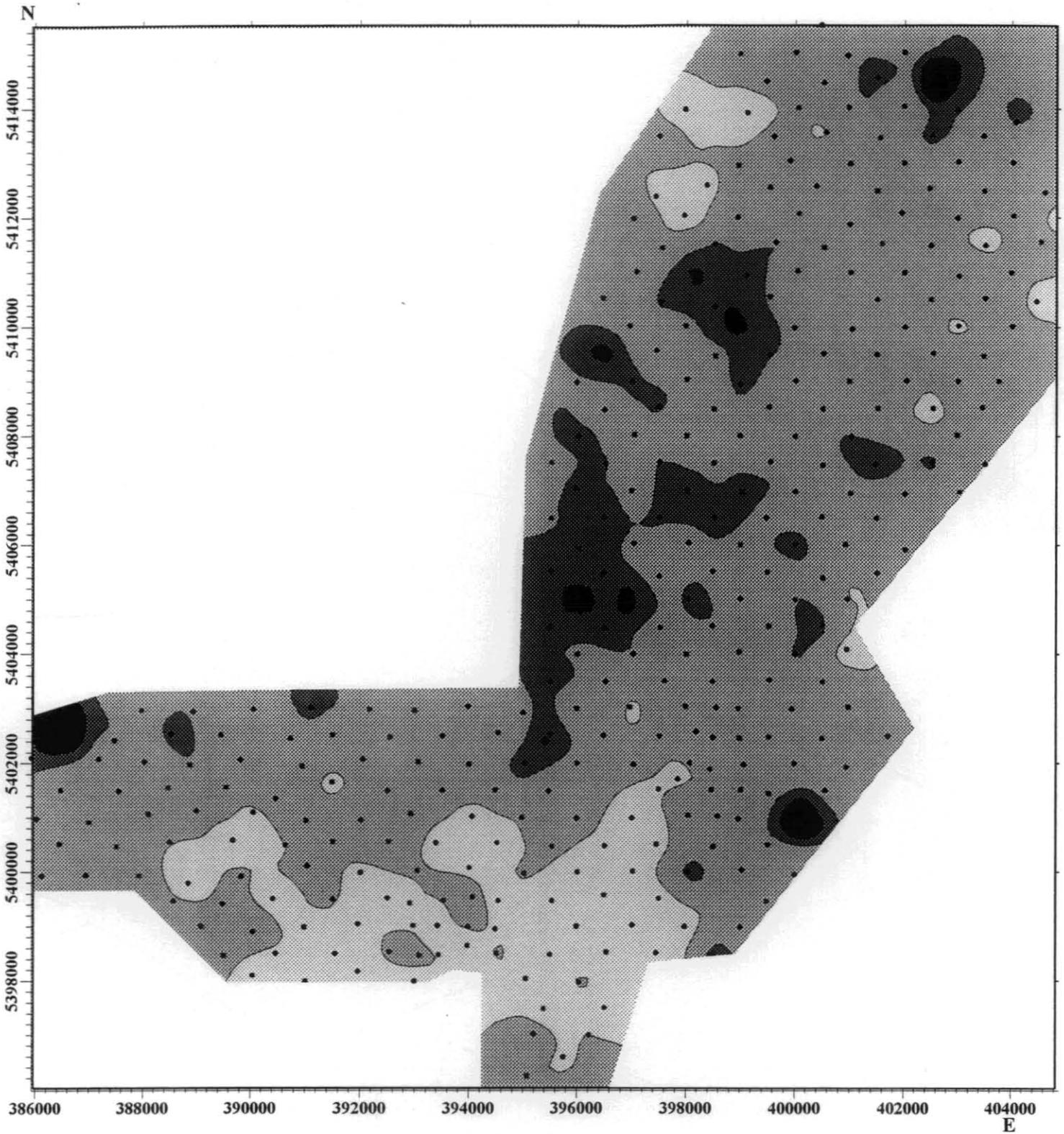
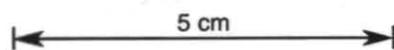


Fig. 6. Distribution of Cu/C% in soil. MPF. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



5 cm

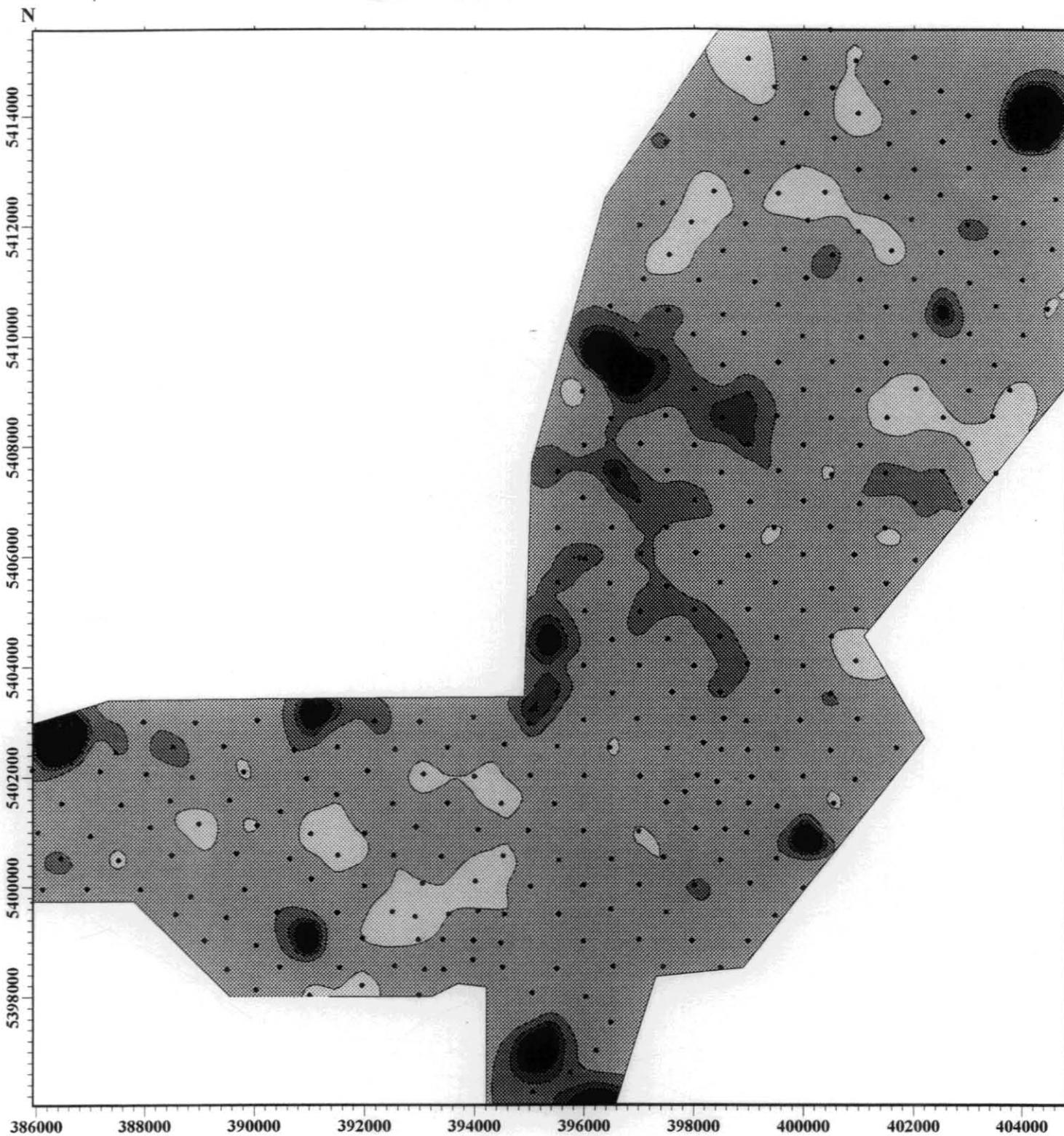


Fig. 7. Distribution of Au/C% in soil. MPF. North Hellyer project. Tasmania. Scale 1 : 100,000
Approximation model (detailed)



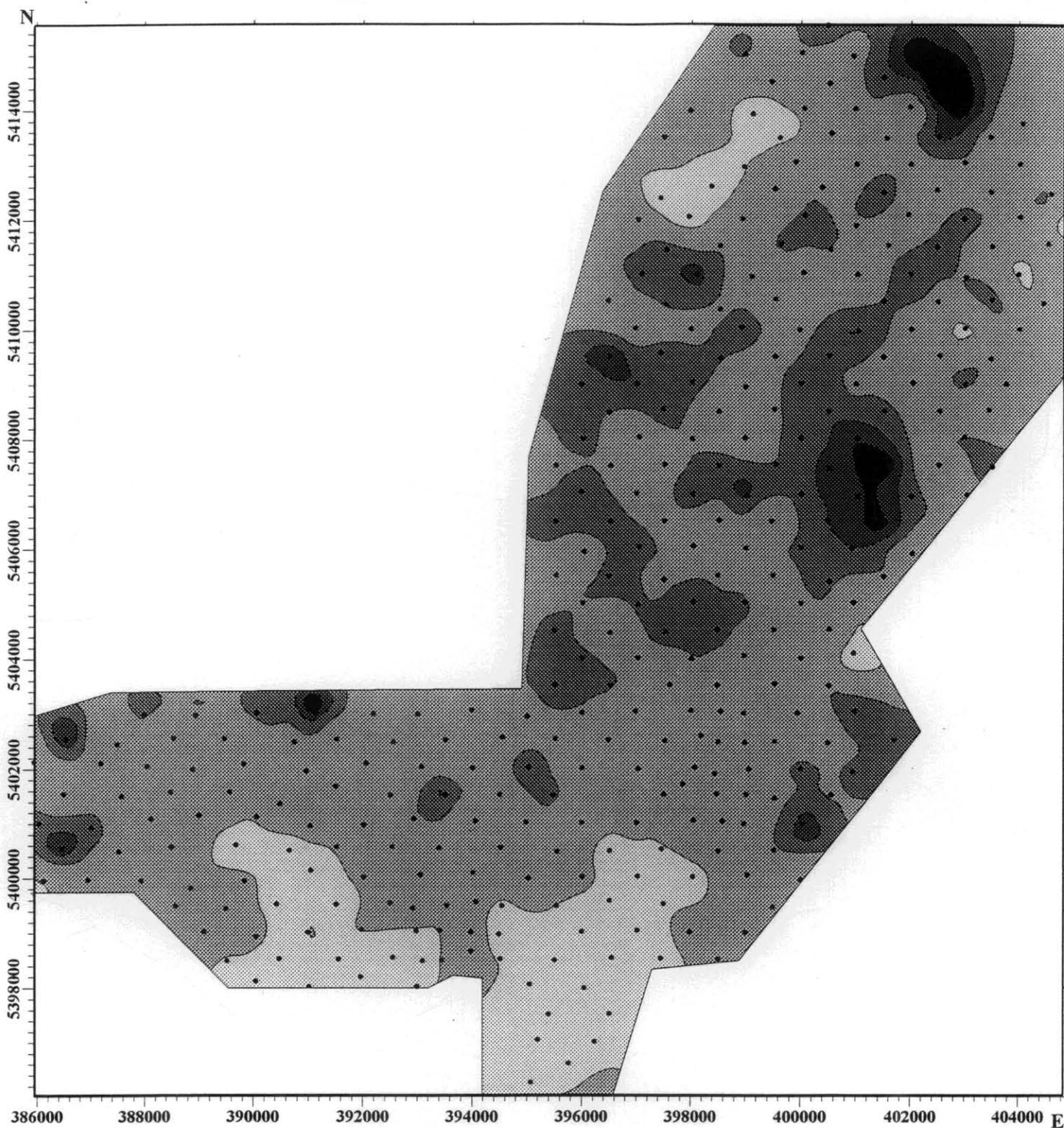
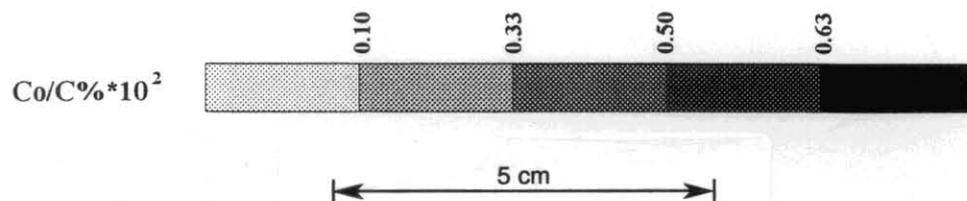


Fig. 8. Distribution of Co/C% in soil. MPF. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



4.2. TMGM Data.

4.2.1. Lead (Pb)

In the area covered with basalt, lead (Fig.9) forms small anomalies in the northeast part of the area against a background value of 4.38 ppm. In the exposed areas, lead anomalies have been detected against a background of 7.61 ppm. The most intense anomalies can be observed in the southern part of the site in two parallel zones, and in the northeast corner of the area.

4.2.2. Zinc (Zn)

A number of low-contrast zinc anomalies have been detected over basalt in the central part of the area (Fig.10). In the exposed parts of the area there are no zinc anomalies.

4.2.3. Copper (Cu)

A clear cross-shaped anomaly for copper (Fig.11) has been detected in the area covered with basalt. A local anomaly with a concentration greater than 76.1 ppm was detected in the central part.

4.2.4. Gold (Au)

A number of local anomalies were detected (Fig.12). Some are located on the periphery of the cross-shaped copper anomaly (Fig.11). In the exposed areas of the south, the gold anomalies coincide with the main lead anomaly (Fig.9).

4.2.5. Cobalt (Co)

A significant cobalt anomaly (Fig.13) is located in the central part of the area. It seems to trend north-south, to the northeast of the copper anomaly (Fig.11).

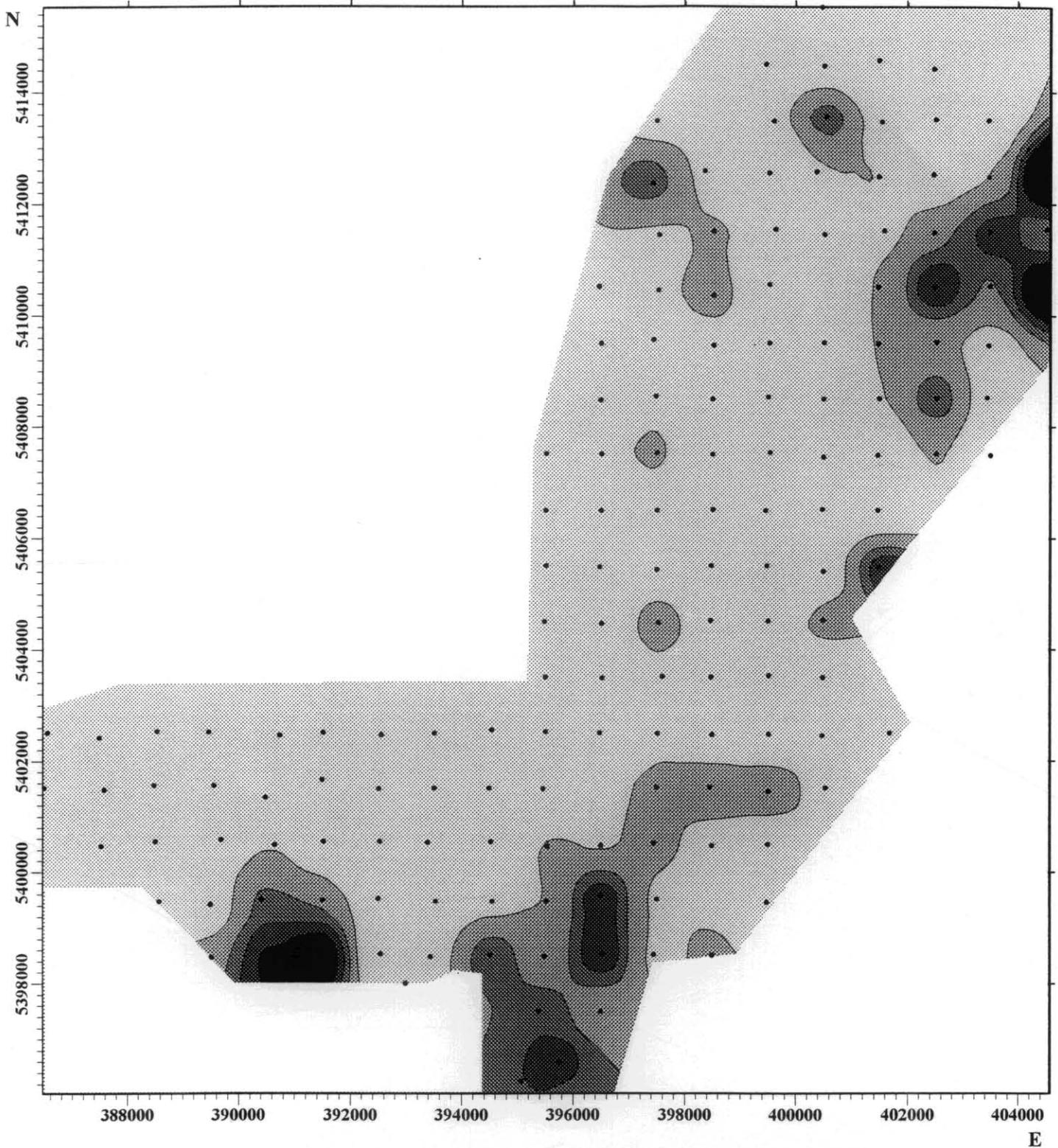
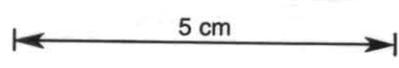


Fig. 9. Distribution of Pb ppm in soil. TMGM. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



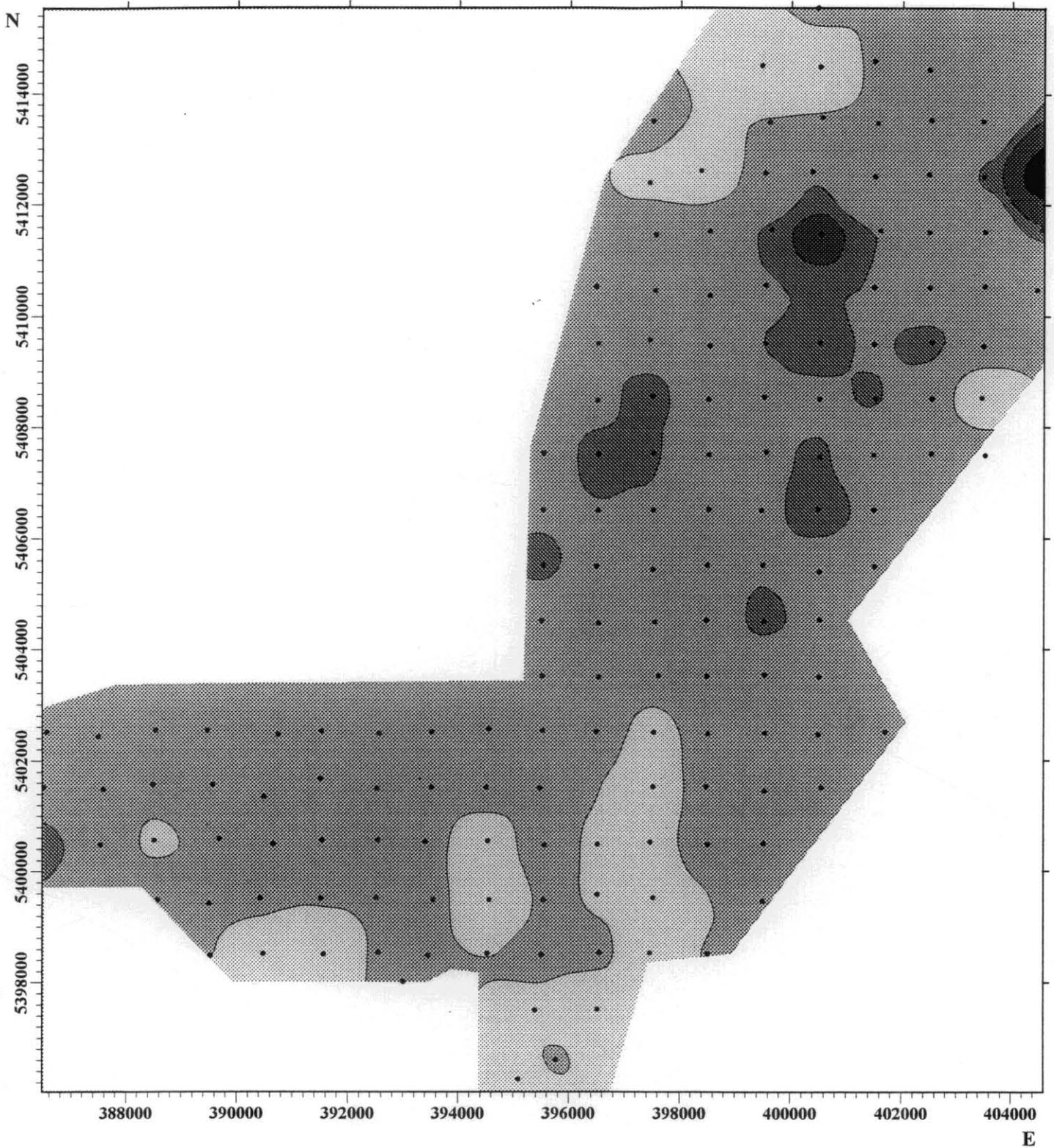
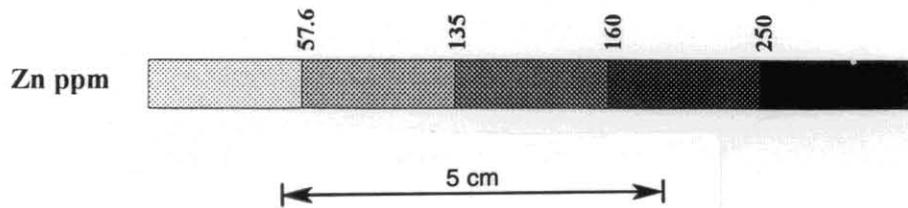


Fig. 10. Distribution of Zn ppm in soil. TMGM. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



5 cm

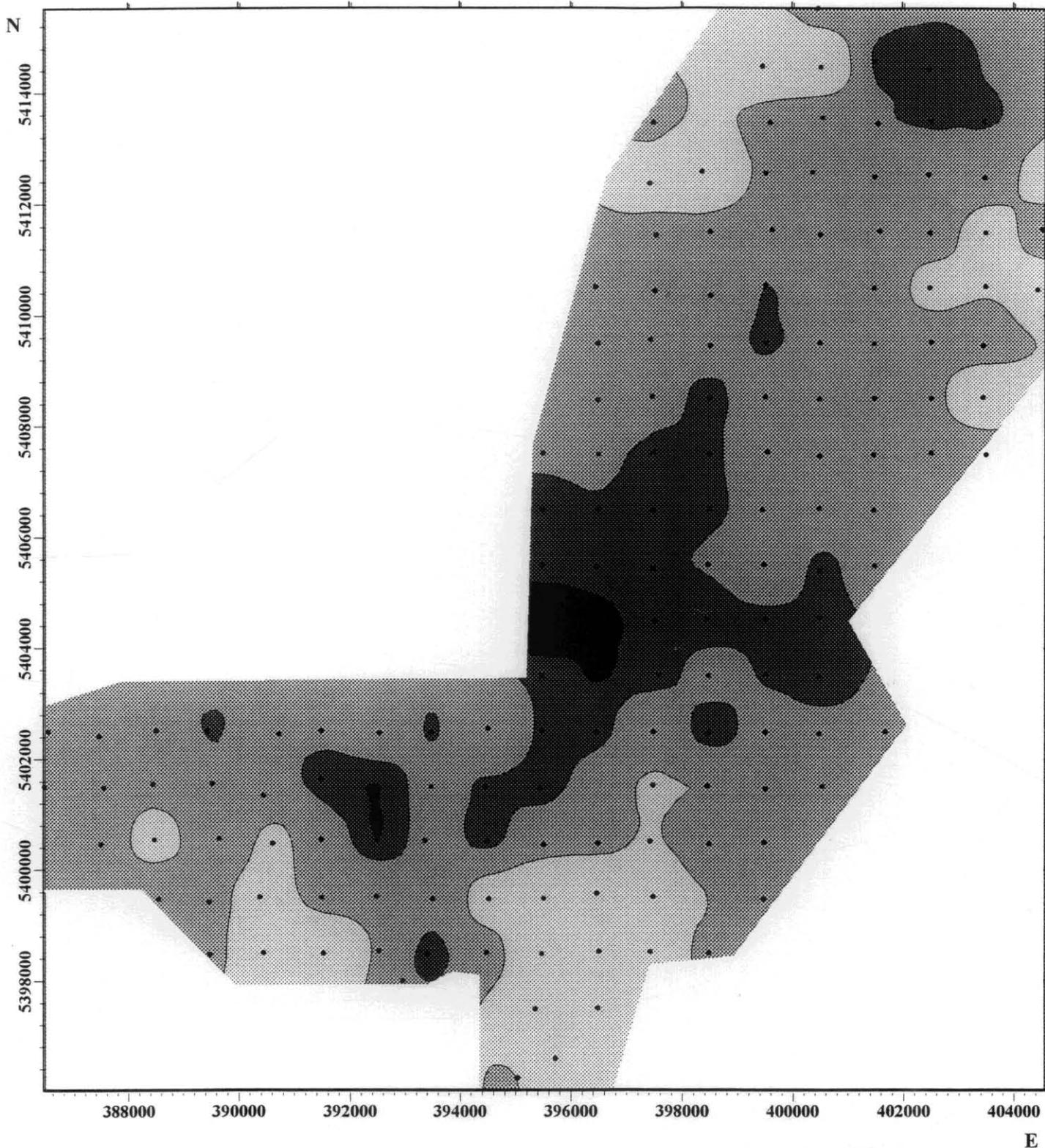


Fig. 11. Distribution of Cu ppm in soil. TMGM. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



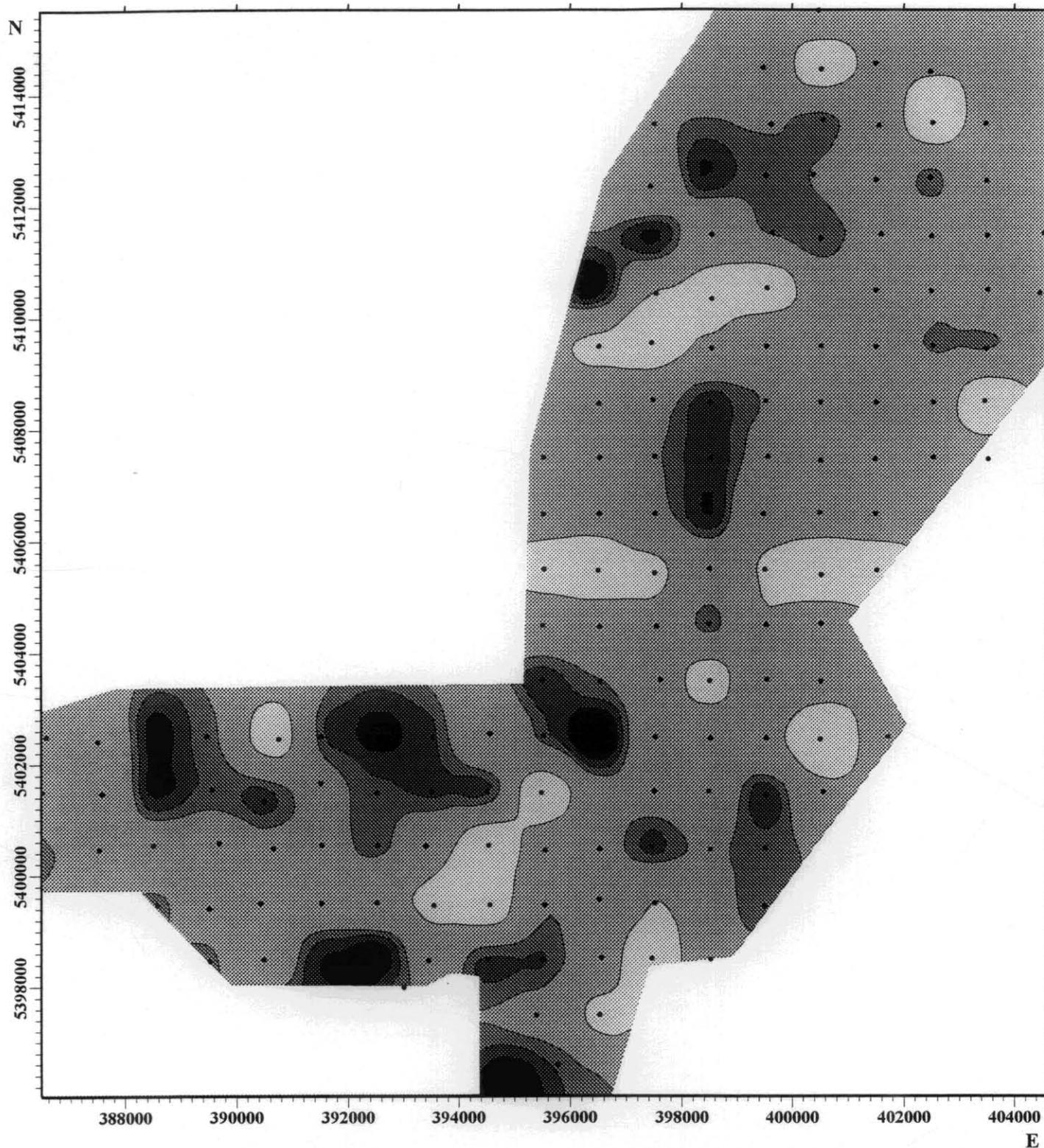
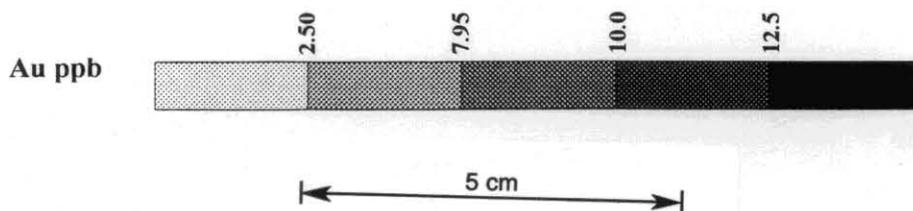


Fig. 12. Distribution of Au ppb in soil. TMGM. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



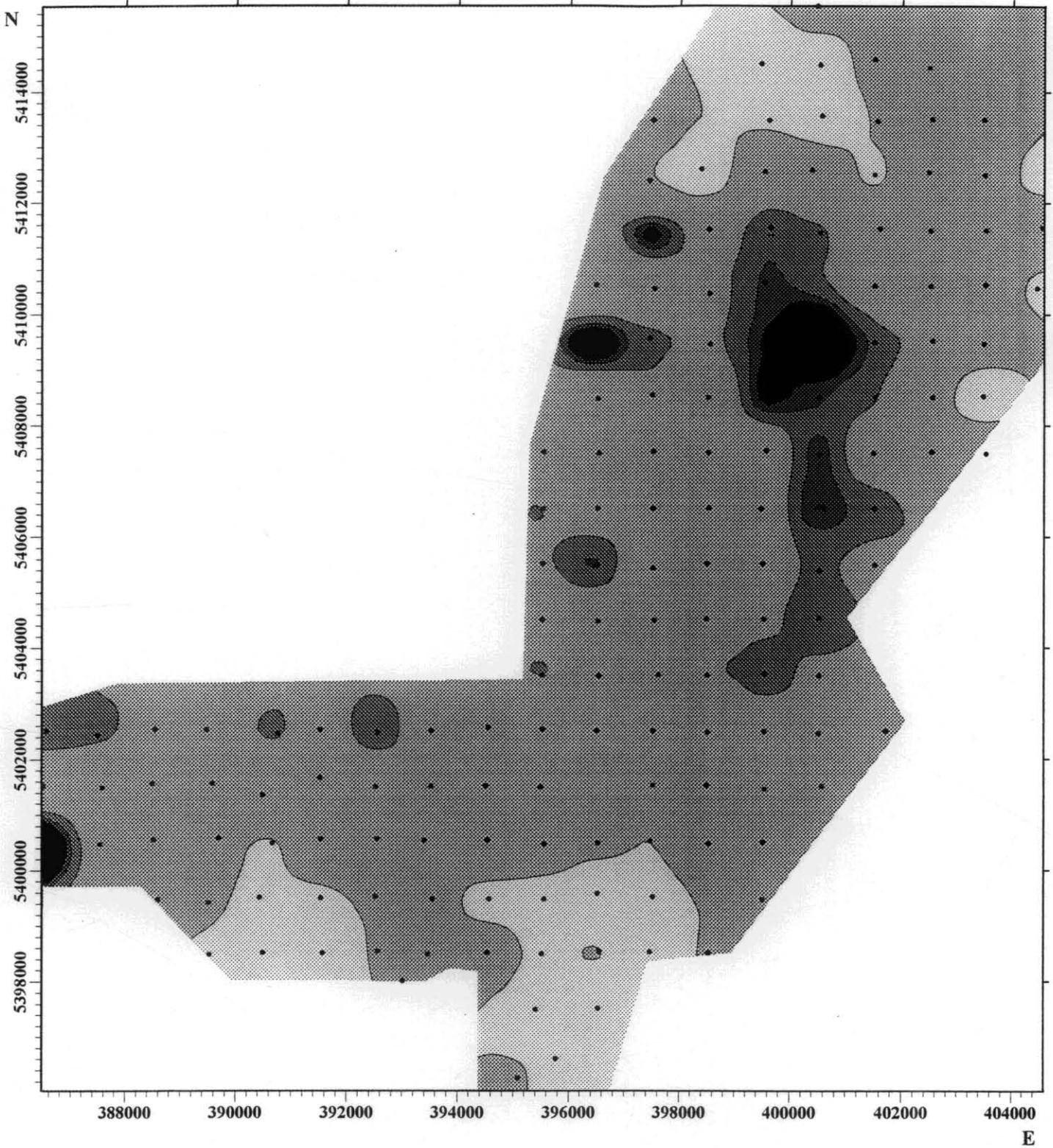
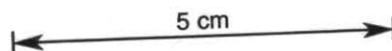
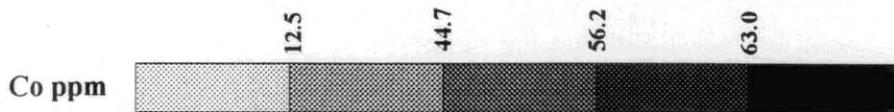


Fig. 13. Distribution of Co ppm in soil. TMGM. North Hellyer project. Tasmania. Scale 1:100,000
Approximation model (detailed)



5. DISCUSSION OF RESULTS

The MPF and TMGM results have identified two prospective anomalous sites:

- The southern anomalous site, which contains two anomaly zones 5km apart; one is a continuation of the Hellyer Trend. Lead and zinc anomalies were detected by MPF, while TMGM detected lead anomalies.
- The central anomalous site contains copper anomalies and some local gold anomalies. These were detected by both MPF and TMGM. The central copper anomaly conjugates with the cobalt anomalies to the east.

6. CONCLUSION AND RECOMMENDATIONS

The prospectivity of these sites was evaluated using the criteria described in Section 3.4.

SOUTHERN ANOMALOUS SITE

The southernmost flank of this site (0.8 – 1 km north of the southern border) appears to be of greatest interest, being a continuation of the Hellyer Trend. Equally interesting is the apparently parallel structure 5 km to the west. However the 'parallel' anomaly is only a fragment of the geochemical field of the Hellyer deposit, and it can only be comprehensively evaluated upon investigation of the entire structure.

The following unfavourable factors must be considered:

- the absence of positive anomalies for the ferrous group of elements,
- the absence of negative anomalies ('depletion zones') for the ore elements,
- the lack of mobile carbon depletion.

Based on these criteria one could downgrade the economic prospectivity of this feature.

CENTRAL ANOMALOUS SITE

The prospective area contains positive anomalies for copper and local anomalies for gold. However they are not associated with negative anomalies for these elements. Also lacking are positive anomalies for other elements, such as lead and zinc. Cobalt (ferrous group of elements) anomalies have been observed to the north and east of the main copper anomaly. This might be an indicator of local anomalies for ore elements within the large cross-shaped copper anomaly.

OTHER POSSIBLE TARGETS

Apart from the anomalous sites mentioned, there are in the northeast exposed part of the survey area a number of lead and zinc anomalies. How prospective they are remains unclear, as these anomalies have not been adequately defined.

Detailed work in the next stage should be concentrated within the Southern and Central Anomalous Sites.

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APPENDICES

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Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
1	398530	5410365	0.12	0.16	1.44	1.99	2.39	3.30	1.60	2.21	0.06	0.08	0.62	0.86
2	399115	5410954	0.10	0.10	2.33	2.32	3.13	3.12	5.13	5.12	0.06	0.06	1.41	1.41
3	399642	5411550	0.09	0.09	2.13	2.28	2.87	3.07	9.37	10.03	0.05	0.05	1.45	1.55
4	399533	5412560	0.17	0.11	1.74	1.12	1.59	1.03	1.19	0.77	0.09	0.05	1.13	0.73
5	398941	5412008	0.60	0.22	5.48	2.00	3.72	1.36	4.62	1.69	0.22	0.08	1.90	0.69
6	397956	5412036	0.72	0.30	0.75	0.32	1.20	0.50	1.87	0.79	0.23	0.10	0.58	0.25
7	398370	5412590	0.53	0.69	0.85	1.10	0.78	1.02	2.18	2.82	0.07	0.09	0.10	0.13
8	398960	5412950	0.14	0.22	0.62	0.95	0.85	1.31	1.26	1.93	0.02	0.03	0.35	0.53
9	399611	5413479	0.10	0.06	1.63	0.94	2.75	1.58	0.50	0.29	0.03	0.02	0.64	0.37
10	397020	5411980	0.05	0.04	0.65	0.47	3.45	2.50	3.33	2.41	0.08	0.06	1.23	0.89
11	397550	5411450	0.18	0.19	5.03	5.18	1.44	1.48	1.39	1.43	0.05	0.05	0.99	1.02
12	398527	5411515	0.05	0.06	1.37	1.52	2.75	3.04	3.57	3.95	0.06	0.06	0.96	1.06
13	397530	5410450	0.24	0.21	2.60	2.35	3.19	2.87	4.32	3.89	0.05	0.05	2.02	1.82
14	397085	5411010	0.10	0.06	5.21	3.33	2.68	1.71	4.93	3.15	0.05	0.03	1.73	1.11
15	398090	5410990	0.08	0.17	2.48	5.49	2.09	4.62	2.01	4.43	0.02	0.05	0.89	1.96
16	400065	5412080	0.14	0.13	1.96	1.79	2.13	1.94	1.26	1.15	0.07	0.07	1.01	0.93
17	399900	5413040	0.95	1.26	0.69	0.91	0.85	1.13	1.80	2.39	0.06	0.08	0.49	0.65
18	400380	5412580	0.27	0.21	3.84	3.08	2.24	1.79	2.96	2.37	0.04	0.04	1.36	1.09
19	398915	5410030	0.11	0.12	2.54	2.90	4.12	4.71	6.19	7.08	0.08	0.09	2.04	2.33
20	398530	5409460	0.23	0.15	2.60	1.69	3.02	1.96	5.61	3.65	0.04	0.03	1.20	0.78
21	399540	5409505	0.11	0.12	1.85	2.06	2.34	2.61	2.25	2.51	0.07	0.08	1.44	1.61
22	399980	5409985	0.05	0.07	1.71	2.14	1.94	2.42	5.39	6.72	0.02	0.03	0.77	0.96
23	400044	5411034	0.03	0.02	2.19	1.60	2.34	1.70	6.01	4.38	0.04	0.03	1.82	1.33
24	399537	5410553	0.14	0.14	1.24	1.29	2.13	2.20	6.72	6.95	0.03	0.03	1.10	1.14
25	399122	5413922	1.36	1.37	0.39	0.40	0.52	0.53	2.89	2.92	0.05	0.05	0.11	0.12
26	400050	5414019	4.13	2.80	0.85	0.58	1.57	1.06	5.68	3.85	0.39	0.26	0.09	0.06
27	401018	5411007	0.06	0.03	1.05	0.49	2.32	1.10	2.18	1.03	0.06	0.03	0.62	0.29
28	400525	5411458	0.03	0.03	1.05	1.11	1.37	1.44	3.74	3.96	0.09	0.10	1.23	1.30
29	400993	5411883	0.13	0.10	3.27	2.68	1.54	1.26	3.54	2.89	0.05	0.04	1.13	0.93
31	401590	5411533	0.18	0.11	1.90	1.18	3.01	1.88	5.78	3.61	0.05	0.03	0.82	0.51
32	401949	5412092	2.01	0.46	3.88	0.89	5.67	1.29	6.56	1.50	0.19	0.04	3.11	0.71
33	402475	5412539	0.33	0.10	1.70	0.50	3.79	1.11	3.81	1.12	0.17	0.05	1.82	0.53
34	401000	5413000	0.59	0.46	2.06	1.58	3.19	2.45	3.50	2.69	0.09	0.07	1.73	1.33
35	400980	5414020	1.66	3.18	3.08	5.91	1.33	2.55	1.09	2.09	0.06	0.11	0.27	0.52
36	401500	5414580	0.08	0.08	1.90	1.98	4.18	4.38	4.66	4.87	0.06	0.06	1.75	1.83
37	402480	5414430	0.51	1.14	4.97	11.09	3.90	8.71	1.26	2.81	0.15	0.33	2.65	5.92

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
38	403006	5413026	0.07	0.07	1.57	1.61	1.70	1.74	0.50	0.51	0.04	0.04	0.82	0.84
39	398989	5415002	0.24	0.19	2.25	1.77	2.92	2.30	4.60	3.61	0.09	0.07	1.51	1.19
40	400010	5415025	0.11	0.10	1.51	1.45	2.46	2.37	5.24	5.05	0.03	0.03	1.22	1.18
41	400948	5414970	0.18	0.13	1.96	1.45	2.45	1.81	1.29	0.95	0.06	0.05	1.57	1.16
42	401998	5415029	1.07	0.49	9.15	4.16	3.05	1.39	6.72	3.05	0.09	0.04	2.75	1.25
43	402989	5413980	0.08	0.08	3.01	2.85	2.60	2.47	6.45	6.12	0.07	0.07	1.39	1.32
44	403473	5413500	1.64	0.58	5.76	2.02	4.46	1.57	6.67	2.34	0.37	0.13	2.55	0.90
45	403484	5412489	0.06	0.05	1.24	0.98	2.39	1.89	3.71	2.93	0.04	0.03	0.81	0.64
46	402985	5412002	0.25	0.22	8.91	8.12	1.34	1.22	4.28	3.91	0.04	0.04	1.45	1.33
47	404022	5413005	0.83	0.51	3.70	2.28	1.91	1.18	1.59	0.98	0.15	0.09	1.82	1.12
48	402521	5413510	0.08	0.06	1.70	1.41	4.25	3.52	3.71	3.07	0.04	0.03	1.91	1.58
49	401997	5413002	0.44	0.24	4.11	2.29	3.58	2.00	3.26	1.82	0.07	0.04	1.61	0.90
50	401501	5412498	0.90	0.48	5.55	2.97	3.19	1.71	4.73	2.53	0.05	0.03	1.58	0.85
51	401990	5414043	1.36	1.66	6.93	8.47	0.53	0.65	2.74	3.35	0.01	0.01	0.17	0.21
52	400557	5413565	1.69	0.87	4.90	2.51	1.59	0.82	9.06	4.64	0.23	0.12	0.85	0.44
53	401553	5413467	0.03	0.03	1.78	1.81	2.84	2.88	4.32	4.38	0.03	0.03	1.39	1.41
54	401997	5411004	0.28	0.23	3.70	3.08	3.03	2.52	4.73	3.93	0.07	0.06	1.42	1.18
56	402006	5410005	0.19	0.12	2.06	1.31	3.13	2.00	5.26	3.36	0.05	0.03	1.84	1.17
57	401496	5410512	0.08	0.07	1.03	0.89	1.64	1.43	6.22	5.41	0.06	0.05	0.91	0.79
58	401044	5409968	0.06	0.07	2.06	2.40	2.47	2.88	1.99	2.32	0.03	0.03	0.98	1.15
59	402494	5410507	0.54	0.97	1.17	2.08	0.85	1.51	4.86	8.64	0.21	0.37	0.84	1.49
60	403004	5410022	0.88	0.74	1.24	1.04	0.77	0.65	4.86	4.08	0.29	0.24	0.85	0.71
61	404007	5410008	0.03	0.02	0.52	0.38	3.85	2.82	4.32	3.16	0.05	0.04	1.39	1.02
62	404456	5410477	2.41	1.85	1.44	1.10	0.82	0.63	5.24	4.01	0.10	0.08	0.21	0.16
63	403990	5410997	0.05	0.08	0.92	1.50	1.33	2.17	1.77	2.89	0.17	0.27	0.88	1.43
64	403503	5410530	0.07	0.07	2.62	2.48	2.01	1.91	2.04	1.94	0.05	0.05	1.92	1.82
65	403016	5410938	1.22	0.50	3.92	1.60	7.21	2.93	6.12	2.49	0.26	0.10	5.92	2.41
66	401493	5409502	0.11	0.08	2.35	1.72	1.29	0.94	4.08	2.99	0.07	0.05	1.80	1.32
67	402032	5409023	1.04	0.64	5.35	3.29	2.39	1.47	4.42	2.72	0.28	0.17	1.59	0.98
68	403507	5411502	1.49	1.06	4.84	3.43	0.93	0.66	2.79	1.98	0.25	0.18	0.55	0.39
69	402495	5411500	0.14	0.10	2.81	1.98	2.39	1.69	3.57	2.52	0.07	0.05	1.35	0.95
70	404606	5412457	5.64	10.31	5.17	9.44	1.70	3.11	4.83	8.82	0.28	0.50	0.34	0.62
71	404019	5412036	3.06	1.74	6.80	3.86	2.26	1.28	6.29	3.57	0.30	0.17	1.65	0.94
72	405004	5411992	1.33	0.62	1.18	0.55	0.66	0.31	3.57	1.67	0.08	0.04	0.26	0.12
73	404543	5411557	0.10	0.12	1.31	1.55	2.66	3.15	9.01	10.69	0.05	0.06	0.82	0.97
74	405029	5411016	0.40	0.36	2.94	2.65	1.14	1.03	2.24	2.02	0.07	0.06	1.32	1.19

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
75	405025	5409996	0.84	1.25	2.55	3.80	0.80	1.19	5.03	7.50	0.03	0.05	0.06	0.09
76	401481	5407497	0.05	0.05	3.01	3.13	4.52	4.70	2.03	2.12	0.02	0.02	2.67	2.78
77	401018	5406956	0.13	0.15	2.88	3.18	1.59	1.76	2.79	3.08	0.11	0.12	0.92	1.02
78	402530	5408510	1.02	0.49	7.98	3.87	1.33	0.64	4.96	2.41	0.12	0.06	0.86	0.42
79	401508	5408510	0.75	0.28	6.80	2.58	2.19	0.83	1.77	0.67	0.14	0.05	1.89	0.72
80	400991	5409009	0.35	0.28	3.01	2.38	2.83	2.24	1.05	0.83	0.13	0.10	3.01	2.38
81	400516	5409513	0.10	0.12	3.53	4.42	1.80	2.26	5.58	6.99	0.04	0.05	1.51	1.90
82	400003	5409009	0.13	0.19	2.74	3.84	1.20	1.67	1.05	1.48	0.05	0.08	0.60	0.84
83	400505	5408503	0.03	0.03	2.74	3.33	1.59	1.94	1.09	1.32	0.03	0.04	0.94	1.14
84	401028	5408004	0.17	0.20	3.02	3.69	2.39	2.93	3.94	4.83	0.05	0.07	1.60	1.96
86	399996	5408007	0.05	0.06	2.60	3.04	1.51	1.77	1.22	1.43	0.02	0.02	0.58	0.68
87	400508	5407469	0.19	0.12	4.32	2.87	3.61	2.39	3.03	2.01	0.07	0.05	1.97	1.31
88	400000	5406992	0.22	0.18	7.45	6.09	3.59	2.93	3.60	2.95	0.07	0.06	1.90	1.56
89	400927	5406019	0.18	0.08	6.34	2.98	1.93	0.91	6.39	3.00	0.07	0.03	2.26	1.06
90	401487	5406507	0.66	0.38	4.58	2.59	2.70	1.53	3.60	2.04	0.13	0.07	1.32	0.75
91	402015	5406950	0.18	0.15	2.93	2.46	1.70	1.43	4.86	4.08	0.09	0.07	2.28	1.91
92	402522	5407527	0.26	0.23	2.05	1.83	3.68	3.29	1.50	1.34	0.06	0.05	2.40	2.14
94	402022	5405918	0.52	0.49	5.21	4.97	1.14	1.09	7.60	7.26	0.12	0.12	0.20	0.19
95	401504	5405493	0.70	0.48	1.88	1.28	1.98	1.35	6.49	4.42	0.11	0.07	1.56	1.06
96	400951	5404093	3.54	1.54	10.20	4.45	1.20	0.52	6.98	3.05	0.12	0.05	0.33	0.14
97	400504	5403494	0.06	0.05	1.37	1.14	3.24	2.69	1.56	1.30	0.21	0.18	1.79	1.48
98	400972	5403035	0.52	0.37	5.76	4.04	1.86	1.31	5.17	3.63	0.28	0.20	1.63	1.15
99	399999	5403998	0.09	0.10	4.46	4.98	2.76	3.09	5.24	5.85	0.13	0.14	2.60	2.91
100	400955	5405020	3.98	2.74	14.52	9.99	1.06	0.73	1.81	1.25	0.05	0.04	0.15	0.11
101	400511	5404537	0.09	0.10	1.18	1.44	3.59	4.39	1.39	1.71	0.05	0.07	1.35	1.66
102	400005	5405002	0.09	0.09	1.44	1.45	2.92	2.94	4.29	4.31	0.05	0.05	1.14	1.15
103	400005	5406018	0.03	0.02	3.40	3.24	4.25	4.06	8.44	8.06	0.08	0.08	3.30	3.15
104	400510	5405404	0.41	0.26	2.64	1.66	3.32	2.08	6.29	3.96	0.12	0.07	1.99	1.25
105	400493	5406528	0.25	0.22	6.31	5.51	1.34	1.17	3.40	2.97	0.07	0.06	1.08	0.95
106	398476	5404518	0.06	0.08	1.18	1.52	2.13	2.74	4.45	5.74	0.03	0.04	1.15	1.49
107	398010	5403998	0.17	0.11	2.62	1.73	2.79	1.85	7.29	4.83	0.07	0.05	3.25	2.15
108	397605	5403514	0.14	0.10	1.96	1.37	1.59	1.12	4.15	2.90	0.06	0.04	1.81	1.27
109	396970	5403027	1.96	0.94	7.91	3.82	1.56	0.75	1.12	0.54	0.26	0.13	1.77	0.85
110	396481	5402507	0.20	0.16	0.78	0.61	1.86	1.45	1.43	1.11	0.09	0.07	0.99	0.77
111	396002	5402005	0.16	0.16	2.05	2.08	2.27	2.30	2.45	2.48	0.07	0.07	1.46	1.48
112	398997	5405018	0.34	0.24	2.34	1.61	3.40	2.34	4.49	3.08	0.14	0.10	1.92	1.32

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
113	399497	5405508	0.06	0.04	2.93	1.85	2.47	1.56	4.22	2.67	0.07	0.05	1.59	1.01
114	398997	5406005	0.03	0.03	1.32	1.55	1.70	2.00	2.79	3.27	0.06	0.07	0.84	0.99
115	399029	5406977	0.09	0.16	3.50	6.21	1.94	3.45	1.72	3.06	0.02	0.03	0.97	1.73
116	398985	5408012	0.13	0.09	1.47	1.04	2.55	1.81	15.64	11.08	0.09	0.06	1.37	0.97
117	397987	5410008	0.10	0.09	1.76	1.68	2.21	2.11	5.51	5.26	0.04	0.04	1.51	1.44
118	396959	5410011	0.53	0.27	3.33	1.71	3.45	1.77	6.97	3.58	0.15	0.08	2.18	1.12
119	397448	5409566	0.17	0.20	3.07	3.58	0.92	1.07	10.20	11.89	0.03	0.04	0.88	1.03
120	393507	5401511	0.18	0.12	3.43	2.29	3.32	2.22	4.76	3.18	0.14	0.09	2.69	1.80
121	394490	5401511	0.17	0.12	2.13	1.51	3.24	2.30	5.44	3.85	0.10	0.07	2.21	1.57
122	395467	5401492	1.72	0.72	9.05	3.79	3.80	1.59	7.14	2.99	0.23	0.10	2.53	1.06
123	395000	5402937	1.24	3.67	5.76	17.06	0.72	2.13	4.62	13.70	0.04	0.11	0.09	0.28
124	395509	5402530	0.50	0.40	3.43	2.76	6.59	5.30	2.70	2.17	0.09	0.07	1.73	1.39
125	394540	5402562	0.59	0.37	2.47	1.53	1.33	0.82	2.62	1.63	0.05	0.03	1.18	0.73
126	395017	5402007	0.06	0.11	1.18	2.15	2.66	4.86	0.50	0.92	0.05	0.10	1.12	2.05
127	395999	5400996	0.05	0.05	1.63	1.53	2.92	2.73	1.39	1.30	0.05	0.05	1.11	1.03
129	393998	5401994	0.43	0.26	1.23	0.76	2.15	1.32	2.35	1.44	0.11	0.07	0.89	0.55
130	393068	5402031	0.06	0.02	9.02	3.02	3.45	1.15	1.37	0.46	0.04	0.01	2.36	0.79
131	398995	5408941	0.14	0.14	2.17	2.22	3.02	3.09	4.01	4.10	0.07	0.07	1.99	2.03
132	398012	5409029	0.10	0.10	1.78	1.79	2.01	2.02	4.18	4.20	0.03	0.03	1.63	1.63
133	398510	5408497	0.14	0.08	1.78	0.98	3.13	1.72	6.12	3.36	0.05	0.03	1.01	0.55
134	398013	5408003	0.25	0.12	5.48	2.53	3.19	1.47	6.97	3.21	0.12	0.05	2.79	1.28
135	397484	5408539	0.08	0.06	3.29	2.63	3.98	3.18	4.35	3.48	0.08	0.07	2.38	1.90
136	397510	5407531	0.28	0.18	3.84	2.37	4.47	2.76	6.94	4.28	0.17	0.11	2.23	1.37
137	398513	5407504	0.27	0.19	3.15	2.26	2.13	1.52	1.33	0.95	0.09	0.06	1.33	0.95
138	398021	5406999	0.12	0.14	1.78	2.10	3.36	3.95	6.97	8.21	0.04	0.04	1.26	1.49
139	397503	5406504	0.09	0.11	1.71	2.07	2.24	2.70	2.07	2.50	0.03	0.04	0.62	0.75
140	398518	5406520	0.15	0.22	1.44	2.07	2.66	3.83	0.50	0.72	0.02	0.03	0.70	1.00
141	398490	5405514	0.15	0.13	2.60	2.16	2.68	2.22	3.20	2.65	0.11	0.09	1.50	1.25
142	399472	5406504	1.48	1.06	5.62	4.03	2.68	1.93	3.16	2.27	0.12	0.09	0.41	0.30
143	398043	5406050	0.18	0.13	3.02	2.14	2.35	1.67	4.96	3.53	0.10	0.07	2.26	1.61
144	397040	5408026	0.06	0.10	1.65	2.88	0.80	1.40	1.02	1.79	0.03	0.05	0.40	0.69
145	397036	5406028	0.34	0.35	3.15	3.23	2.07	2.12	4.52	4.63	0.10	0.10	2.09	2.14
146	398029	5405024	0.12	0.09	2.47	1.82	4.25	3.14	4.42	3.27	0.05	0.04	2.45	1.81
147	397500	5405432	0.64	0.36	4.80	2.70	2.68	1.51	5.61	3.16	0.15	0.09	2.55	1.44
148	396482	5405482	0.07	0.06	1.63	1.40	2.92	2.51	3.18	2.73	0.05	0.04	2.47	2.12
149	396504	5409501	0.10	0.22	3.02	6.95	2.01	4.64	2.58	5.96	0.04	0.10	1.25	2.88

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663033

Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
150	397007	5409002	0.12	0.12	3.29	3.25	3.13	3.10	4.60	4.55	0.03	0.03	2.57	2.54
151	396500	5408477	0.10	0.12	1.17	1.36	1.13	1.31	2.11	2.44	0.07	0.08	0.68	0.78
152	395975	5408978	0.20	0.09	3.79	1.72	5.05	2.28	4.52	2.05	0.09	0.04	2.34	1.06
153	396516	5407504	0.03	0.03	1.57	2.04	1.99	2.59	0.50	0.65	0.04	0.05	1.16	1.51
154	396006	5407994	0.03	0.03	2.22	2.39	3.19	3.42	3.43	3.69	0.05	0.06	2.25	2.42
155	395971	5407043	0.10	0.10	1.75	1.84	2.66	2.78	3.26	3.42	0.06	0.07	1.68	1.75
156	395519	5407516	0.78	0.34	6.03	2.64	3.85	1.68	86.36	37.77	0.22	0.10	2.72	1.19
157	396993	5406997	0.19	0.13	2.88	1.90	2.68	1.77	5.54	3.65	0.12	0.08	2.33	1.54
158	396506	5406505	0.24	0.26	1.71	1.83	3.19	3.41	5.44	5.82	0.19	0.20	1.66	1.77
159	395996	5403997	0.44	0.32	4.46	3.22	2.91	2.10	5.03	3.64	0.13	0.10	3.03	2.19
160	396511	5404471	0.28	0.10	5.75	1.99	8.23	2.84	8.44	2.91	0.13	0.05	3.79	1.31
161	396011	5404997	0.05	0.06	0.65	0.72	3.98	4.40	3.76	4.15	0.06	0.07	1.21	1.34
162	395490	5404501	0.15	0.11	1.90	1.45	3.72	2.84	4.25	3.24	0.06	0.05	1.83	1.40
163	397021	5404983	0.03	0.04	0.65	1.08	3.19	5.24	1.33	2.18	0.01	0.02	1.35	2.22
164	395514	5405511	0.16	0.11	1.71	1.16	4.03	2.72	2.24	1.51	0.05	0.03	1.92	1.30
165	395515	5406499	0.17	0.11	1.91	1.23	3.40	2.19	4.45	2.87	0.08	0.05	2.04	1.32
166	395501	5403504	0.07	0.13	1.11	2.05	2.26	4.16	1.19	2.19	0.04	0.08	0.68	1.25
167	395989	5403003	0.37	0.31	1.69	1.43	1.53	1.30	7.45	6.31	0.08	0.07	0.67	0.57
168	396518	5403489	0.64	0.30	5.90	2.78	4.99	2.35	4.46	2.10	0.11	0.05	2.48	1.17
169	397022	5403997	0.33	0.24	1.91	1.41	3.68	2.74	5.44	4.04	0.18	0.14	1.61	1.19
170	397528	5404486	0.89	0.34	3.53	1.36	4.25	1.64	5.30	2.05	0.19	0.07	2.74	1.06
171	399523	5404516	0.05	0.06	1.03	1.29	1.23	1.54	4.52	5.67	0.03	0.04	0.65	0.82
172	398982	5404042	0.07	0.05	3.56	2.44	2.46	1.68	7.24	4.96	0.08	0.06	1.70	1.16
173	398490	5403504	0.26	0.19	2.47	1.84	2.24	1.67	2.72	2.03	0.05	0.04	1.64	1.22
174	397993	5403041	0.15	0.13	1.92	1.68	3.67	3.20	3.27	2.86	0.05	0.04	2.28	1.99
175	398066	5402008	1.84	2.17	10.97	12.94	0.89	1.06	5.24	6.18	0.03	0.03	0.15	0.17
176	397510	5402496	0.14	0.16	0.75	0.86	1.01	1.16	1.46	1.67	0.01	0.02	0.22	0.26
177	397029	5401986	0.58	0.42	1.83	1.33	1.70	1.24	6.29	4.57	0.15	0.11	1.13	0.82
178	397500	5401523	0.60	0.72	2.26	2.73	0.89	1.08	6.53	7.88	0.22	0.27	0.10	0.11
179	398471	5401517	0.47	0.41	1.71	1.50	1.01	0.88	2.75	2.40	0.02	0.02	0.09	0.08
180	399062	5401983	0.78	0.29	7.98	3.01	3.09	1.17	11.90	4.49	0.13	0.05	3.20	1.21
181	398501	5402475	0.03	0.02	0.78	0.69	2.13	1.87	0.50	0.44	0.05	0.04	0.35	0.31
182	399528	5403529	0.47	0.21	4.97	2.18	3.45	1.52	2.17	0.95	0.13	0.06	2.24	0.99
183	398962	5402997	0.10	0.09	3.02	2.75	2.46	2.25	3.64	3.32	0.05	0.05	1.73	1.58
184	395192	5397032	1.11	2.36	2.74	5.85	0.93	1.98	2.52	5.38	0.02	0.04	0.18	0.39
185	395071	5396253	3.18	3.48	13.44	14.69	1.19	1.30	3.50	3.83	0.07	0.07	0.16	0.17

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
186	395750	5396600	2.16	2.21	3.15	3.23	0.93	0.95	8.71	8.92	0.41	0.42	0.05	0.05
187	398029	5400004	0.07	0.11	1.18	1.83	3.45	5.36	1.33	2.06	0.03	0.05	1.69	2.62
188	399037	5400036	0.08	0.07	2.88	2.72	2.34	2.21	1.99	1.88	0.06	0.06	1.63	1.54
189	396041	5397981	4.69	1.85	5.35	2.11	3.93	1.55	9.15	3.61	0.38	0.15	0.06	0.02
190	396539	5398533	0.85	0.40	2.29	1.09	1.46	0.69	1.87	0.89	0.15	0.07	0.12	0.06
191	395384	5397495	0.58	0.68	0.69	0.81	0.57	0.67	5.78	6.79	0.07	0.08	0.07	0.09
192	395045	5398048	0.64	0.45	1.10	0.77	1.01	0.71	3.71	2.61	0.17	0.12	0.10	0.07
193	393442	5398486	3.13	1.25	8.96	3.59	2.75	1.10	5.68	2.28	0.35	0.14	1.50	0.60
194	392543	5398543	0.24	0.19	0.73	0.57	1.68	1.32	2.75	2.16	0.06	0.05	0.67	0.53
195	394511	5398513	0.82	1.10	1.37	1.85	1.14	1.54	2.43	3.28	0.10	0.14	0.27	0.36
196	397977	5399004	0.44	0.21	1.37	0.66	1.55	0.74	3.37	1.62	0.09	0.04	1.08	0.52
197	391550	5398508	4.96	6.26	1.31	1.65	0.80	1.00	1.63	2.06	0.07	0.09	0.12	0.16
198	397500	5399516	0.20	0.26	1.54	2.01	0.58	0.76	1.09	1.42	0.02	0.03	0.06	0.08
199	397016	5400014	3.71	1.75	6.16	2.90	2.15	1.01	5.85	2.75	0.20	0.10	0.50	0.23
200	396002	5400004	3.45	2.82	8.11	6.64	0.80	0.65	4.20	3.44	0.04	0.04	0.09	0.07
201	396495	5399575	6.09	2.13	4.80	1.68	1.23	0.43	10.27	3.60	1.92	0.67	0.34	0.12
202	395535	5399479	3.04	1.41	6.93	3.21	1.42	0.66	5.64	2.61	0.13	0.06	0.60	0.28
203	397011	5399028	1.14	0.88	1.78	1.38	1.34	1.04	6.05	4.67	0.22	0.17	0.16	0.12
204	398504	5400470	0.12	0.10	3.15	2.59	1.68	1.38	4.59	3.76	0.06	0.05	0.94	0.77
205	398044	5401050	1.17	2.65	3.91	8.88	0.82	1.87	1.86	4.22	0.03	0.08	0.11	0.25
206	398969	5400978	0.19	0.15	2.26	1.82	2.91	2.34	2.11	1.70	0.05	0.04	1.97	1.59
207	400036	5400971	0.74	1.35	9.05	16.44	5.53	10.04	8.66	15.74	0.19	0.35	4.96	9.02
208	399530	5401453	0.07	0.07	1.31	1.22	2.12	1.98	4.93	4.61	0.06	0.05	1.02	0.95
209	399525	5402488	0.25	0.19	1.85	1.41	1.86	1.42	1.09	0.83	0.14	0.11	1.16	0.88
210	399944	5403000	0.13	0.10	2.62	2.11	1.86	1.50	7.51	6.05	0.06	0.05	1.45	1.17
211	399996	5401998	0.42	0.25	5.82	3.43	3.53	2.08	4.79	2.83	0.05	0.03	3.09	1.82
212	400497	5402463	0.35	0.26	2.26	1.67	2.57	1.90	3.33	2.46	0.11	0.08	1.54	1.14
213	400944	5401937	0.40	0.17	7.81	3.45	3.02	1.33	7.85	3.47	0.09	0.04	3.43	1.52
214	395988	5399002	3.40	3.23	10.83	10.28	1.12	1.06	4.93	4.68	0.03	0.03	0.06	0.06
215	391966	5399050	0.91	0.28	3.02	0.94	3.45	1.08	3.16	0.99	0.13	0.04	3.71	1.16
216	391512	5399509	1.87	0.72	4.45	1.71	3.19	1.23	6.36	2.45	0.19	0.07	1.69	0.65
217	392008	5399994	0.35	0.17	2.94	1.43	1.86	0.90	7.87	3.82	0.11	0.05	1.53	0.74
218	392502	5399526	0.40	0.24	1.85	1.11	1.34	0.80	5.41	3.23	0.16	0.09	0.72	0.43
219	392972	5399026	0.80	0.32	3.14	1.24	3.11	1.23	1.55	0.61	0.09	0.04	1.29	0.51
220	394545	5399483	1.20	0.99	1.83	1.51	0.80	0.66	1.56	1.29	0.09	0.08	0.55	0.46
221	394012	5400083	1.43	0.44	1.58	0.49	3.45	1.07	5.20	1.61	0.19	0.06	1.55	0.48

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
222	395014	5399979	0.26	0.59	0.80	1.83	0.67	1.54	1.77	4.06	0.02	0.04	0.14	0.33
223	394520	5400542	0.54	0.45	1.37	1.13	0.53	0.44	1.70	1.40	0.01	0.01	0.17	0.14
224	393978	5399007	0.17	0.24	0.75	1.07	1.79	2.53	4.05	5.73	0.05	0.07	0.37	0.53
225	393531	5399481	0.08	0.07	1.31	1.24	1.59	1.51	1.56	1.48	0.07	0.07	0.69	0.65
226	393047	5400039	0.41	0.26	1.37	0.87	2.01	1.28	7.72	4.92	0.07	0.04	1.39	0.89
227	392930	5401077	0.24	0.23	2.74	2.58	1.79	1.68	96.22	90.59	0.13	0.12	1.30	1.23
228	392991	5398006	5.27	2.23	13.71	5.80	1.59	0.67	6.19	2.62	0.23	0.10	0.96	0.41
229	393002	5402972	1.51	1.39	14.81	13.65	1.23	1.13	7.48	6.90	0.05	0.04	0.37	0.34
230	393508	5402504	0.40	0.21	4.94	2.62	3.37	1.79	6.46	3.43	0.12	0.07	2.26	1.20
231	393983	5403044	1.45	0.90	2.74	1.71	2.46	1.54	4.56	2.84	0.12	0.08	2.21	1.38
232	403508	5407492	0.25	0.16	1.65	1.04	3.24	2.04	3.64	2.29	0.05	0.03	2.55	1.61
233	403032	5406982	0.77	0.29	4.45	1.67	4.38	1.65	8.57	3.23	0.31	0.12	2.99	1.13
234	402989	5408032	0.17	0.16	3.02	2.86	1.57	1.49	4.25	4.03	0.08	0.08	1.97	1.87
235	403451	5408528	0.93	1.40	4.97	7.47	1.33	2.00	5.61	8.44	0.03	0.04	0.10	0.16
236	403001	5409001	0.38	0.25	4.66	3.03	2.84	1.85	6.02	3.91	0.06	0.04	2.67	1.73
237	402530	5409523	0.05	0.05	2.33	2.16	2.80	2.59	4.52	4.19	0.08	0.07	2.11	1.95
238	403759	5409007	0.92	0.78	2.47	2.08	1.19	1.00	7.31	6.16	0.03	0.02	0.13	0.11
239	403472	5409464	0.17	0.18	1.71	1.85	1.86	2.01	5.30	5.73	0.08	0.08	2.07	2.24
240	399555	5407540	0.18	0.17	4.39	4.11	2.24	2.09	2.55	2.39	0.04	0.04	1.30	1.22
241	399520	5408536	0.22	0.16	4.39	3.18	2.91	2.11	1.70	1.23	0.04	0.03	1.53	1.11
242	396026	5405941	4.42	2.34	4.97	2.63	5.92	3.14	7.28	3.86	0.41	0.22	1.87	0.99
243	394061	5401027	1.97	0.83	5.30	2.24	1.65	0.70	6.46	2.74	0.21	0.09	1.73	0.73
244	394978	5401008	0.52	0.25	4.32	2.05	2.92	1.39	3.60	1.71	0.19	0.09	2.95	1.40
245	397004	5400992	0.74	0.54	2.60	1.91	0.93	0.68	2.56	1.88	0.09	0.07	0.06	0.05
246	397453	5400513	0.96	0.70	1.78	1.30	0.88	0.64	2.62	1.92	0.17	0.12	0.10	0.07
247	396508	5400478	1.30	1.21	3.79	3.52	0.65	0.61	1.02	0.95	0.05	0.05	0.47	0.44
248	395537	5400464	0.36	0.26	2.42	1.75	2.35	1.70	4.59	3.32	0.15	0.11	1.23	0.89
249	391962	5398184	0.58	0.36	2.47	1.53	1.45	0.90	3.50	2.17	0.12	0.08	1.03	0.64
250	391012	5398004	1.09	0.80	1.10	0.81	1.01	0.74	4.62	3.40	0.06	0.04	0.48	0.35
251	390470	5398514	2.18	2.81	3.86	4.97	0.80	1.03	3.80	4.90	0.07	0.10	0.33	0.42
252	390985	5398995	4.83	6.56	1.23	1.68	0.82	1.11	6.09	8.27	0.15	0.21	0.14	0.19
253	399467	5414499	1.05	1.19	3.92	4.44	1.34	1.51	2.35	2.65	0.02	0.02	0.10	0.11
254	400522	5414477	0.50	0.94	2.22	4.21	0.71	1.34	2.65	5.02	0.02	0.04	0.12	0.22
255	404063	5413745	0.59	1.32	1.65	3.67	1.34	2.99	3.47	7.74	0.02	0.04	0.14	0.31
256	405017	5412983	0.65	0.64	3.15	3.10	1.23	1.21	4.66	4.58	0.28	0.27	0.86	0.84
257	395498	5398492	2.26	1.37	3.02	1.83	1.12	0.68	7.58	4.61	0.27	0.16	0.07	0.04

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
258	390036	5398110	1.54	1.40	1.44	1.31	0.57	0.52	3.43	3.12	0.03	0.03	0.28	0.26
259	389511	5398482	0.25	0.23	1.23	1.12	2.34	2.13	22.98	20.91	0.07	0.06	0.45	0.41
260	389090	5399011	0.96	0.70	5.82	4.26	3.09	2.26	1.29	0.95	0.18	0.13	2.16	1.58
261	388574	5399483	0.60	0.43	4.52	3.26	2.92	2.11	3.77	2.72	0.12	0.08	1.52	1.10
262	389495	5399424	0.47	0.26	1.70	0.96	2.83	1.60	2.92	1.65	0.09	0.05	1.72	0.97
263	390047	5398911	0.59	0.42	4.33	3.07	3.32	2.35	5.41	3.83	0.16	0.12	1.39	0.98
264	390415	5399516	2.45	1.17	1.48	0.71	1.46	0.70	7.82	3.75	0.41	0.20	0.78	0.37
265	388106	5401071	0.49	0.32	2.60	1.70	2.13	1.39	4.18	2.73	0.08	0.05	2.14	1.40
266	392180	5402988	0.05	0.05	0.92	0.83	2.79	2.52	3.98	3.59	0.05	0.05	0.77	0.69
267	392055	5402088	0.84	0.43	4.18	2.15	2.39	1.23	4.77	2.46	0.11	0.05	2.09	1.08
268	391507	5402522	1.69	0.59	6.54	2.27	4.78	1.66	6.94	2.41	0.40	0.14	2.38	0.83
269	391132	5403015	0.90	1.38	12.95	19.89	2.66	4.08	1.77	2.72	0.06	0.10	1.44	2.21
270	390739	5402465	0.40	0.27	2.62	1.77	2.26	1.52	3.57	2.41	0.13	0.08	1.26	0.85
271	390952	5401948	0.38	0.25	4.77	3.12	2.48	1.63	4.18	2.74	0.10	0.07	1.82	1.19
272	391495	5401663	0.34	0.19	1.83	1.02	1.47	0.82	5.10	2.83	0.12	0.07	1.09	0.61
273	392551	5402481	0.21	0.20	1.92	1.78	1.45	1.35	3.77	3.50	0.08	0.07	1.18	1.09
274	388038	5402035	0.77	0.51	3.22	2.12	1.42	0.93	5.30	3.49	0.07	0.04	1.17	0.77
276	387187	5402092	0.58	0.43	2.48	1.84	2.26	1.67	2.83	2.09	0.17	0.13	2.18	1.61
277	385930	5402113	0.05	0.05	1.05	1.06	2.92	2.96	1.84	1.86	0.07	0.08	1.28	1.30
278	387566	5401491	1.14	0.87	2.13	1.62	3.68	2.80	5.44	4.14	0.10	0.07	2.23	1.69
279	387006	5400922	0.34	0.16	2.40	1.13	4.52	2.14	1.80	0.85	0.16	0.08	1.35	0.64
280	386476	5401519	1.55	0.66	4.03	1.71	3.68	1.56	6.94	2.95	0.37	0.16	2.52	1.07
281	386028	5400984	0.63	0.45	3.66	2.61	2.06	1.47	3.20	2.28	0.16	0.11	1.59	1.13
282	386118	5399937	0.93	0.72	2.75	2.14	1.39	1.08	4.42	3.44	0.13	0.10	0.89	0.70
283	386452	5400519	0.18	0.16	5.62	5.10	1.79	1.62	9.01	8.17	0.07	0.06	1.20	1.08
284	387985	5402980	0.41	0.28	3.15	2.11	2.55	1.71	5.41	3.62	0.10	0.07	2.04	1.37
285	386948	5399951	0.25	0.17	1.78	1.21	2.24	1.52	4.93	3.36	0.14	0.10	1.00	0.68
286	387517	5400474	0.63	0.26	3.08	1.27	3.40	1.40	3.71	1.53	0.14	0.06	1.87	0.77
287	387931	5399939	1.25	0.67	3.73	1.98	3.14	1.67	6.87	3.66	0.17	0.09	1.77	0.94
288	388474	5401560	1.56	0.49	2.29	0.71	4.32	1.34	24.14	7.50	0.13	0.04	2.07	0.64
289	388530	5402533	0.03	0.02	1.11	1.06	3.98	3.80	3.88	3.70	0.04	0.04	1.60	1.53
290	388877	5401977	0.12	0.10	1.63	1.41	3.43	2.95	5.98	5.16	0.06	0.06	1.10	0.95
291	389457	5402532	0.89	0.16	2.16	0.39	12.42	2.27	6.66	1.22	0.16	0.03	3.71	0.68
292	390058	5402994	1.30	0.57	4.12	1.81	4.05	1.78	5.13	2.25	0.23	0.10	1.73	0.76
293	389816	5402072	2.62	0.79	3.27	0.98	3.48	1.05	8.84	2.66	0.17	0.05	1.52	0.46
294	389555	5401566	0.22	0.18	2.62	2.11	3.01	2.42	7.14	5.75	0.09	0.07	2.26	1.82

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663037

Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
Metal (ppm), Metal/C%														
295	388935	5402953	0.18	0.24	1.86	2.43	1.70	2.22	2.86	3.73	0.06	0.08	1.25	1.63
296	392505	5401499	0.05	0.05	1.57	1.49	2.92	2.77	3.57	3.39	0.03	0.03	1.36	1.29
297	392527	5400557	0.07	0.07	1.63	1.61	2.22	2.19	1.46	1.44	0.07	0.07	1.47	1.45
298	392012	5400957	0.41	0.24	3.86	2.19	2.62	1.48	1.29	0.73	0.13	0.07	2.09	1.18
299	391514	5400555	0.25	0.15	2.55	1.50	2.66	1.57	3.40	2.00	0.08	0.05	1.07	0.63
300	391027	5400950	0.63	0.28	3.01	1.33	3.61	1.59	3.67	1.62	0.10	0.05	1.77	0.78
301	393389	5400535	0.46	0.22	3.99	1.91	1.67	0.80	4.35	2.08	0.10	0.05	2.28	1.09
302	392910	5399437	3.49	1.23	4.97	1.75	3.09	1.09	7.31	2.58	0.29	0.10	2.45	0.86
303	398577	5401031	0.21	0.18	1.37	1.17	3.35	2.85	1.43	1.21	0.09	0.08	2.13	1.81
304	399010	5401516	2.70	0.87	3.79	1.22	3.48	1.12	5.98	1.92	0.33	0.11	2.48	0.80
305	398439	5401894	0.85	0.53	2.68	1.67	2.06	1.28	2.79	1.74	0.14	0.09	2.18	1.36
306	397852	5401712	1.77	3.43	3.14	6.09	0.52	1.00	3.03	5.87	0.01	0.03	0.13	0.24
307	398551	5403027	0.06	0.04	3.01	2.25	1.99	1.49	2.38	1.78	0.06	0.05	1.33	1.00
308	398986	5402470	0.26	0.25	2.29	2.25	2.06	2.03	4.90	4.81	0.27	0.27	1.53	1.51
309	394484	5398960	1.06	0.90	1.44	1.22	1.24	1.05	3.33	2.82	0.16	0.14	0.45	0.38
310	394070	5399544	2.41	1.24	7.65	3.92	3.37	1.73	6.15	3.15	0.20	0.10	3.28	1.68
311	393970	5398653	0.69	0.45	2.49	1.60	0.85	0.55	19.72	12.70	0.12	0.07	1.70	1.09
312	398189	5402587	0.11	0.08	1.37	0.95	1.33	0.92	40.80	28.37	0.07	0.05	0.57	0.40
313	393420	5399020	1.45	0.49	7.85	2.66	1.42	0.48	4.28	1.45	0.06	0.02	1.50	0.51
314	393095	5398481	0.38	0.19	1.39	0.70	4.39	2.20	4.83	2.42	0.15	0.08	1.35	0.68
315	388848	5399800	3.98	1.47	3.66	1.35	0.91	0.34	6.29	2.33	0.13	0.05	0.89	0.33
316	391045	5400122	0.67	0.28	2.06	0.86	4.25	1.78	3.43	1.44	0.17	0.07	1.75	0.73
317	390642	5400492	1.31	0.70	1.99	1.06	1.81	0.97	5.57	2.98	0.17	0.09	0.71	0.38
318	390475	5401355	0.69	0.40	3.66	2.14	3.09	1.81	5.78	3.38	0.08	0.05	2.13	1.24
319	390055	5401105	9.57	7.47	2.68	2.09	1.03	0.80	10.54	8.23	0.07	0.06	0.61	0.48
320	388992	5401134	0.69	0.26	1.83	0.68	3.53	1.32	3.43	1.28	0.13	0.05	1.36	0.51
321	389675	5400586	1.80	0.88	7.47	3.63	1.70	0.83	5.78	2.81	0.15	0.07	0.73	0.36
322	389830	5399930	2.55	3.05	1.30	1.56	1.06	1.27	3.89	4.65	0.06	0.07	0.12	0.14
323	397451	5398522	0.22	0.15	1.37	0.92	0.56	0.38	3.13	2.10	0.02	0.01	0.10	0.07
324	396222	5397002	1.58	3.12	2.19	4.34	0.67	1.33	2.07	4.10	0.02	0.03	0.10	0.20
325	396196	5395986	1.85	3.46	3.70	6.90	1.01	1.88	3.80	7.09	0.09	0.16	0.09	0.17
327	399998	5399956	0.36	0.16	1.63	0.71	2.13	0.93	6.76	2.95	0.07	0.03	1.01	0.44
328	399005	5398998	0.45	0.25	4.18	2.31	3.36	1.85	5.95	3.29	0.16	0.09	3.20	1.76
329	399509	5400497	0.36	0.25	7.68	5.34	2.80	1.95	1.50	1.04	0.09	0.06	1.40	0.97
330	401700	5402503	1.64	0.71	4.97	2.16	2.52	1.10	6.87	2.98	0.13	0.06	1.43	0.62
331	400555	5401509	0.52	0.33	6.17	3.93	3.36	2.13	3.64	2.31	0.17	0.11	2.48	1.58

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663038

Appendix 1

Sample Number	East	North	Pb	Pb/C*10 ²	Zn	Zn/C*10 ²	Cu	Cu/C*10 ²	Ag, ppb	Ag/C*10 ⁴	As	As/C*10 ²	Ni	Ni/C*10 ²
			Metal (ppm), Metal/C%											
332	396508	5397508	2.30	2.15	2.88	2.70	0.92	0.86	5.10	4.79	0.08	0.08	0.75	0.71
333	388500	5400556	0.50	0.47	0.98	0.91	1.18	1.10	2.92	2.72	0.13	0.12	0.56	0.52

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663039

Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C
Metal (ppm), Metal/C%											ppm
1	398530	5410365	0.19	0.26	31.2	43.1	0.40	0.56	8.5	11.7	7245
2	399115	5410954	0.17	0.17	17.0	17.0	2.54	2.53	29	29.2	10027
3	399642	5411550	0.40	0.43	43.3	46.3	0.71	0.76	20	21.8	9340
4	399533	5412560	0.27	0.17	9.1	5.8	0.96	0.62	28	18.2	15530
5	398941	5412008	0.78	0.28	45.7	16.7	2.69	0.98	48	17.4	27418
6	397956	5412036	0.07	0.03	2.5	1.1	1.55	0.65	45	19.1	23781
7	398370	5412590	0.03	0.03	1.7	2.2	0.18	0.23	11	14.2	7715
8	398960	5412950	0.05	0.08	1.7	2.6	0.46	0.71	13	19.7	6503
9	399611	5413479	0.07	0.04	17.6	10.1	0.73	0.42	17	9.8	17393
10	397020	5411980	0.36	0.26	30.6	22.2	1.45	1.05	39	28.2	13810
11	397550	5411450	0.67	0.69	78.3	80.6	1.39	1.43	28	28.4	9721
12	398527	5411515	0.34	0.38	16.2	17.9	1.53	1.69	30	32.8	9046
13	397530	5410450	0.36	0.33	89.3	80.5	0.44	0.40	19	17.3	11093
14	397085	5411010	0.75	0.48	121.0	77.3	1.62	1.04	31	19.6	15654
15	398090	5410990	0.44	0.97	20.0	44.2	1.05	2.32	24	53.4	4527
16	400065	5412080	0.48	0.44	22.1	20.2	1.56	1.43	29	26.0	10949
17	399900	5413040	0.37	0.49	7.7	10.2	0.09	0.11	4.8	6.4	7531
18	400380	5412580	0.45	0.36	122.7	98.3	0.43	0.35	19	15.0	12483
19	398915	5410030	0.54	0.62	37.8	43.3	1.09	1.25	21	23.6	8739
20	398530	5409460	0.63	0.41	42.2	27.4	0.98	0.64	24	15.7	15387
21	399540	5409505	0.18	0.20	23.6	26.3	1.20	1.33	25	27.9	8964
22	399980	5409985	0.25	0.31	24.7	30.8	0.58	0.72	19	23.2	8022
23	400044	5411034	0.33	0.24	37.8	27.5	0.76	0.55	42	30.6	13724
24	399537	5410553	0.23	0.24	10.4	10.8	1.82	1.89	17	17.4	9660
25	399122	5413922	0.06	0.06	1.7	1.7	0.17	0.17	3.8	3.9	9884
26	400050	5414019	0.14	0.09	1.5	1.0	0.94	0.64	11	7.3	14756
27	401018	5411007	0.15	0.07	14.8	7.0	0.80	0.38	20	9.5	21144
28	400525	5411458	0.40	0.43	17.8	18.9	1.51	1.60	29	30.8	9455
29	400993	5411883	0.41	0.34	41.1	33.6	1.37	1.12	37	30.6	12219
31	401590	5411533	0.39	0.24	19.2	12.0	1.17	0.73	26	16.2	16017
32	401949	5412092	0.62	0.14	9.3	2.1	3.62	0.83	66	15.0	43779
33	402475	5412539	0.22	0.06	2.2	0.7	3.21	0.94	63	18.4	34038
34	401000	5413000	0.25	0.19	1.7	1.3	0.69	0.53	37	28.6	13037
35	400980	5414020	0.15	0.29	17.0	32.6	0.09	0.16	4.0	7.7	5218
36	401500	5414580	0.61	0.64	68.5	71.6	0.55	0.57	14	14.8	9558
37	402480	5414430	0.71	1.58	101.9	227.3	1.82	4.07	30	67.0	4481

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
38	403006	5413026	0.34	0.35	6.6	6.8	1.90	1.94	29	29.8	9770
39	398989	5415002	0.56	0.44	72.8	57.2	0.91	0.71	15	11.9	12730
40	400010	5415025	0.39	0.38	40.0	38.5	0.76	0.74	16	15.2	10376
41	400948	5414970	0.34	0.25	1.8	1.3	2.79	2.06	59	43.5	13548
42	401998	5415029	1.77	0.80	388.8	176.7	1.29	0.59	27	12.2	22002
43	402989	5413980	0.98	0.93	34.0	32.2	1.55	1.47	25	23.6	10540
44	403473	5413500	0.71	0.25	469.6	164.9	2.21	0.78	37	13.0	28481
45	403484	5412489	0.30	0.24	19.8	15.7	0.71	0.56	15	11.9	12647
46	402985	5412002	0.91	0.83	327.1	298.2	1.07	0.97	26	23.5	10968
47	404022	5413005	0.11	0.07	14.8	9.1	2.44	1.50	51	31.2	16249
48	402521	5413510	1.00	0.83	41.4	34.3	0.80	0.67	27	22.7	12074
49	401997	5413002	0.42	0.23	68.5	38.2	2.48	1.38	39	21.6	17926
50	401501	5412498	1.43	0.76	2.2	1.2	1.59	0.85	24	13.0	18682
51	401990	5414043	0.08	0.10	9.2	11.3	0.28	0.34	16	19.7	8186
52	400557	5413565	0.12	0.06	12.5	6.4	1.82	0.93	11	5.6	19523
53	401553	5413467	0.35	0.36	27.1	27.5	1.19	1.21	24	24.6	9865
54	401997	5411004	0.90	0.75	86.0	71.6	0.80	0.66	21	17.4	12014
56	402006	5410005	0.40	0.25	47.7	30.4	0.98	0.62	13	8.2	15673
57	401496	5410512	0.46	0.40	28.0	24.3	1.04	0.90	18	15.6	11502
58	401044	5409968	0.70	0.81	81.6	95.2	0.60	0.70	17	19.7	8575
59	402494	5410507	0.15	0.27	52.0	92.5	0.82	1.46	21	36.4	5628
60	403004	5410022	0.03	0.02	2.8	2.3	2.34	1.97	26	21.5	11911
61	404007	5410008	0.17	0.12	5.2	3.8	1.19	0.87	25	18.3	13667
62	404456	5410477	0.10	0.08	10.4	8.0	0.40	0.31	19	14.2	13056
63	403990	5410997	0.03	0.04	1.5	2.4	2.69	4.39	41	67.0	6119
64	403503	5410530	1.36	1.29	83.8	79.5	1.63	1.54	31	29.0	10540
65	403016	5410938	0.94	0.38	32.3	13.2	4.55	1.85	101	41.1	24581
66	401493	5409502	0.36	0.26	26.9	19.7	1.45	1.06	41	30.0	13667
67	402032	5409023	0.20	0.13	29.6	18.2	0.99	0.61	97	59.5	16246
68	403507	5411502	0.15	0.10	29.6	21.0	0.34	0.24	12	8.6	14097
69	402495	5411500	0.67	0.47	213.1	150.3	0.09	0.06	13	9.0	14183
70	404606	5412457	0.44	0.80	23.6	43.1	0.98	1.79	13	23.2	5472
71	404019	5412036	0.67	0.38	52.9	30.0	1.39	0.79	44	25.0	17619
72	405004	5411992	0.05	0.02	2.0	0.9	0.40	0.19	8.1	3.8	21316
73	404543	5411557	0.11	0.13	31.5	37.3	0.98	1.17	17	20.3	8432
74	405029	5411016	0.99	0.90	249.2	224.7	0.40	0.36	30	26.9	11093

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
75	405025	5409996	0.14	0.21	15.1	22.5	0.17	0.25	13	20.1	6711
76	401481	5407497	1.01	1.05	117.2	122.1	2.02	2.11	59	61.8	9599
77	401018	5406956	0.59	0.65	56.4	62.4	1.16	1.28	29	31.6	9046
78	402530	5408510	0.23	0.11	321.2	155.7	1.51	0.73	27	12.9	20628
79	401508	5408510	1.23	0.47	565.4	214.3	0.94	0.36	19	7.3	26387
80	400991	5409009	0.29	0.23	11.0	8.7	3.82	3.03	96	75.9	12628
81	400516	5409513	0.35	0.43	152.9	191.6	1.04	1.31	26	32.1	7980
82	400003	5409009	0.50	0.71	43.3	60.6	0.19	0.26	13	17.7	7142
83	400505	5408503	0.46	0.56	47.1	57.3	0.62	0.76	25	30.4	8227
84	401028	5408004	0.65	0.80	57.0	69.8	0.60	0.73	24	29.2	8165
86	399996	5408007	0.33	0.38	55.9	65.2	0.58	0.68	17	19.3	8575
87	400508	5407469	1.08	0.72	140.7	93.4	1.03	0.68	29	19.5	15062
88	400000	5406992	0.63	0.51	101.6	83.0	1.34	1.09	15	12.1	12234
89	400927	5406019	1.21	0.57	117.7	55.2	1.57	0.74	37	17.2	21316
90	401487	5406507	1.89	1.07	527.5	298.3	1.97	1.12	43	24.4	17682
91	402015	5406950	0.44	0.37	20.0	16.8	2.91	2.44	46	38.7	11911
92	402522	5407527	0.13	0.12	3.6	3.2	2.26	2.02	47	41.6	11195
94	402022	5405918	0.13	0.13	152.1	145.1	0.28	0.27	5.8	5.6	10479
95	401504	5405493	0.58	0.40	28.5	19.4	2.09	1.42	34	23.5	14694
96	400951	5404093	0.05	0.02	12.1	5.3	0.09	0.04	7.4	3.2	22921
97	400504	5403494	0.61	0.51	40.5	33.6	2.04	1.69	28	22.8	12074
98	400972	5403035	0.80	0.56	40.5	28.5	3.12	2.19	49	34.5	14244
99	399999	5403998	0.18	0.20	5.2	5.9	1.20	1.34	68	76.1	8943
100	400955	5405020	0.05	0.04	28.5	19.6	0.24	0.16	7.4	5.1	14530
101	400511	5404537	0.48	0.59	28.3	34.6	0.54	0.66	17	20.6	8166
102	400005	5405002	0.31	0.31	32.3	32.5	1.05	1.06	21	21.0	9942
103	400005	5406018	0.70	0.67	41.1	39.2	1.28	1.22	47	44.6	10479
104	400510	5405404	1.08	0.68	92.5	58.2	1.50	0.94	27	16.9	15900
105	400493	5406528	0.65	0.56	129.7	113.4	0.49	0.43	3.1	2.7	11441
106	398476	5404518	0.50	0.64	27.4	35.3	0.47	0.61	17	21.9	7756
107	398010	5403998	0.65	0.43	58.6	38.8	2.18	1.45	31	20.7	15100
108	397605	5403514	0.05	0.04	4.0	2.8	1.91	1.34	37	25.8	14284
109	396970	5403027	0.26	0.12	6.6	3.2	4.60	2.22	66	31.7	20690
110	396481	5402507	0.26	0.20	21.0	16.4	1.35	1.05	25	19.4	12807
111	396002	5402005	0.09	0.09	9.2	9.4	2.21	2.24	34	34.3	9865
112	398997	5405018	0.67	0.46	52.6	36.1	0.73	0.50	25	17.2	14549

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663042

Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
113	399497	5405508	0.21	0.13	7.7	4.9	0.99	0.63	36	23.0	15816
114	398997	5406005	0.10	0.11	17.3	20.3	0.98	1.16	13	15.8	8514
115	399029	5406977	0.70	1.25	76.1	135.3	0.25	0.44	8.6	15.3	5628
116	398985	5408012	0.29	0.21	46.8	33.2	0.93	0.66	18	13.1	14121
117	397987	5410008	0.28	0.27	12.9	12.3	1.96	1.87	37	35.1	10479
118	396959	5410011	0.33	0.17	9.9	5.1	3.11	1.60	60	30.6	19462
119	397448	5409566	0.35	0.41	148.8	173.5	0.09	0.10	18	20.5	8575
120	393507	5401511	2.07	1.39	117.2	78.3	2.06	1.38	32	21.2	14957
121	394490	5401511	0.30	0.21	28.5	20.2	1.16	0.82	39	27.6	14119
122	395467	5401492	1.70	0.71	18.6	7.8	3.37	1.41	74	31.2	23893
123	395000	5402937	0.07	0.22	3.6	10.7	0.09	0.25	8.3	24.5	3376
124	395509	5402530	0.39	0.31	14.8	11.9	1.71	1.38	75	60.7	12435
125	394540	5402562	0.40	0.25	74.5	46.3	0.17	0.11	28	17.5	16103
126	395017	5402007	0.37	0.68	14.0	25.6	1.40	2.57	23	42.8	5464
127	395999	5400996	0.12	0.11	9.6	9.0	1.48	1.38	23	21.2	10683
129	393998	5401994	0.22	0.14	9.3	5.8	1.65	1.02	24	15.0	16246
130	393068	5402031	0.57	0.19	158.8	53.1	0.47	0.16	24	8.1	29913
131	398995	5408941	0.06	0.06	1.4	1.4	4.90	5.01	52	52.9	9783
132	398012	5409029	0.65	0.66	66.8	67.0	0.49	0.49	22	22.2	9967
133	398510	5408497	0.11	0.06	8.8	4.8	0.58	0.32	19	10.2	18234
134	398013	5408003	0.74	0.34	92.5	42.6	1.64	0.76	33	15.1	21718
135	397484	5408539	0.70	0.56	57.5	45.9	1.92	1.53	54	43.2	12521
136	397510	5407531	0.45	0.28	69.6	42.9	1.63	1.01	25	15.6	16202
137	398513	5407504	0.70	0.50	88.2	63.2	0.85	0.61	23	16.8	13954
138	398021	5406999	0.41	0.48	20.8	24.5	1.02	1.20	19	21.9	8493
139	397503	5406504	0.23	0.28	22.5	27.1	0.30	0.36	17	20.3	8288
140	398518	5406520	0.11	0.16	9.0	13.0	0.61	0.88	14	20.0	6938
141	398490	5405514	0.37	0.30	21.4	17.7	4.56	3.77	42	35.1	12074
142	399472	5406504	0.08	0.06	109.0	78.2	0.86	0.62	21	15.4	13935
143	398043	5406050	0.40	0.28	19.7	14.0	1.75	1.24	40	28.8	14080
144	397040	5408026	0.05	0.10	5.0	8.7	1.06	1.85	24	42.8	5709
145	397036	5406028	0.42	0.43	8.8	9.0	1.69	1.73	30	31.2	9762
146	398029	5405024	0.81	0.60	76.7	56.7	0.22	0.16	24	17.6	13524
147	397500	5405432	0.45	0.25	9.3	5.3	1.30	0.73	47	26.7	17742
148	396482	5405482	0.46	0.40	31.2	26.8	1.82	1.56	46	39.6	11645
149	396504	5409501	0.43	0.99	112.3	258.8	2.51	5.80	30	68.5	4338

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663043

Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
Metal (ppm), Metal/C%											
150	397007	5409002	0.60	0.59	52.0	51.5	0.50	0.50	21	21.1	10110
151	396500	5408477	0.28	0.33	1.7	1.9	2.26	2.62	36	42.1	8652
152	395975	5408978	0.81	0.37	40.2	18.2	3.50	1.58	99	44.7	22088
153	396516	5407504	0.22	0.29	8.7	11.4	2.23	2.90	26	34.2	7695
154	396006	5407994	0.38	0.41	9.6	10.3	1.77	1.90	44	47.0	9312
155	395971	5407043	0.46	0.48	9.9	10.3	2.85	2.99	45	47.4	9558
156	395519	5407516	0.57	0.25	53.1	23.2	3.46	1.52	74	32.6	22862
157	396993	5406997	0.35	0.23	89.8	59.2	1.28	0.84	12	7.8	15163
158	396506	5406505	0.45	0.48	30.4	32.5	0.09	0.09	17	18.6	9350
159	395996	5403997	0.60	0.44	109.0	78.8	2.49	1.80	57	41.0	13834
160	396511	5404471	0.43	0.15	94.7	32.7	3.83	1.32	70	24.0	28966
161	396011	5404997	0.33	0.37	14.0	15.5	2.39	2.65	84	92.7	9046
162	395490	5404501	0.48	0.36	50.7	38.7	1.07	0.82	27	20.4	13097
163	397021	5404983	0.24	0.39	7.3	12.0	0.96	1.57	16	26.6	6078
164	395514	5405511	0.40	0.27	35.6	24.0	0.21	0.14	54	36.2	14813
165	395515	5406499	0.62	0.40	54.5	35.1	2.70	1.74	58	37.5	15513
166	395501	5403504	0.31	0.57	8.2	15.0	0.94	1.74	18	33.3	5423
167	395989	5403003	0.40	0.34	9.9	8.4	1.65	1.40	26	22.2	11809
168	396518	5403489	1.04	0.49	105.7	49.8	2.14	1.01	33	15.7	21228
169	397022	5403997	0.42	0.31	62.4	46.4	3.10	2.31	62	45.7	13466
170	397528	5404486	1.22	0.47	100.8	38.9	0.85	0.33	35	13.5	25901
171	399523	5404516	0.18	0.22	8.2	10.3	0.63	0.78	11	14.0	7981
172	398982	5404042	0.15	0.10	16.5	11.3	2.57	1.76	47	32.5	14612
173	398490	5403504	0.35	0.26	29.6	22.1	0.54	0.41	21	15.8	13382
174	397993	5403041	0.38	0.33	41.1	35.9	1.74	1.52	37	32.2	11441
175	398066	5402008	0.10	0.12	9.9	11.7	0.09	0.10	2.3	2.7	8473
176	397510	5402496	0.16	0.18	1.1	1.3	0.54	0.61	5.0	5.8	8738
177	397029	5401986	0.39	0.28	9.1	6.6	1.82	1.32	19	14.0	13753
178	397500	5401523	0.07	0.09	2.1	2.6	0.09	0.10	6.0	7.3	8280
179	398471	5401517	0.05	0.05	2.1	1.8	0.30	0.27	8.2	7.1	11461
180	399062	5401983	0.76	0.29	121.6	45.9	1.35	0.51	40	15.0	26504
181	398501	5402475	0.20	0.18	4.4	3.9	1.11	0.98	4.1	3.6	11337
182	399528	5403529	0.54	0.24	65.7	28.9	2.86	1.26	55	24.1	22749
183	398962	5402997	0.40	0.37	32.3	29.5	1.29	1.18	26	23.5	10949
184	395192	5397032	0.03	0.05	2.2	4.8	0.09	0.18	2.3	4.8	4686
185	395071	5396253	0.09	0.10	14.8	16.2	0.18	0.19	4.0	4.4	9148

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663044

Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
Metal (ppm), Metal/C%											
186	395750	5396600	0.03	0.03	1.4	1.4	1.80	1.85	8.9	9.1	9762
187	398029	5400004	0.03	0.04	4.1	6.3	1.55	2.40	35	53.7	6446
188	399037	5400036	0.24	0.23	17.3	16.3	2.31	2.19	49	46.3	10581
189	396041	5397981	0.17	0.07	20.0	7.9	2.75	1.08	11	4.4	25355
190	396539	5398533	0.09	0.04	7.2	3.4	0.98	0.46	15	7.3	21030
191	395384	5397495	0.06	0.07	1.9	2.2	0.39	0.46	11	13.2	8509
192	395045	5398048	0.09	0.07	1.7	1.2	0.09	0.06	4.5	3.2	14183
193	393442	5398486	0.40	0.16	190.5	76.4	3.78	1.52	75	30.0	24927
194	392543	5398543	0.06	0.05	1.7	1.3	1.68	1.32	32	24.8	12721
195	394511	5398513	0.08	0.11	4.1	5.6	0.17	0.23	4.8	6.4	7420
196	397977	5399004	0.46	0.22	5.8	2.8	2.50	1.20	55	26.2	20831
197	391550	5398508	0.07	0.09	2.0	2.6	0.82	1.03	16	19.8	7936
198	397500	5399516	0.06	0.08	3.3	4.3	0.18	0.23	13	16.9	7660
199	397016	5400014	0.08	0.04	8.2	3.9	2.44	1.15	12	5.6	21228
200	396002	5400004	0.15	0.12	32.3	26.5	0.09	0.07	4.5	3.7	12219
201	396495	5399575	0.26	0.09	7.7	2.7	4.20	1.47	4.2	1.5	28536
202	395535	5399479	0.25	0.11	11.8	5.5	5.44	2.52	16	7.2	21611
203	397011	5399028	0.05	0.04	3.3	2.6	4.85	3.74	19	14.5	12951
204	398504	5400470	0.27	0.22	23.6	19.3	0.71	0.58	18	14.4	12197
205	398044	5401050	0.18	0.42	9.3	21.2	0.09	0.19	5.4	12.3	4399
206	398969	5400978	0.29	0.24	158.8	127.7	1.58	1.27	23	18.7	12435
207	400036	5400971	0.61	1.11	214.1	388.9	4.10	7.45	103	187.5	5505
208	399530	5401453	0.30	0.28	31.7	29.7	0.38	0.35	16	14.7	10683
209	399525	5402488	0.44	0.33	55.9	42.7	1.38	1.05	29	22.0	13094
210	399944	5403000	0.10	0.08	25.8	20.7	1.72	1.38	36	29.0	12423
211	399996	5401998	0.83	0.49	221.9	130.8	0.77	0.45	23	13.7	16963
212	400497	5402463	0.28	0.20	29.0	21.5	1.56	1.15	29	21.5	13524
213	400944	5401937	0.92	0.41	183.2	80.9	0.89	0.39	21	9.4	22655
214	395988	5399002	0.03	0.02	9.3	8.9	0.09	0.08	2.2	2.1	10540
215	391966	5399050	0.37	0.12	5.0	1.6	2.79	0.87	29	9.0	31993
216	391512	5399509	0.16	0.06	33.4	12.9	3.87	1.49	61	23.6	25957
217	392008	5399994	0.21	0.10	5.0	2.4	2.16	1.05	33	16.1	20571
218	392502	5399526	0.23	0.14	9.1	5.4	3.42	2.04	46	27.7	16731
219	392972	5399026	0.32	0.13	3.9	1.5	2.46	0.97	24	9.4	25355
220	394545	5399483	0.10	0.08	2.0	1.6	0.09	0.07	13	10.6	12091
221	394012	5400083	0.23	0.07	1.4	0.4	2.02	0.62	15	4.6	32404

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

663045

Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
222	395014	5399979	0.13	0.30	1.6	3.6	0.26	0.60	3.7	8.5	4354
223	394520	5400542	0.10	0.08	2.2	1.8	0.09	0.07	8.9	7.3	12177
224	393978	5399007	0.20	0.28	2.2	3.2	0.99	1.40	7.4	10.5	7060
225	393531	5399481	0.15	0.15	4.7	4.4	0.89	0.84	6.2	5.9	10540
226	393047	5400039	0.15	0.09	1.7	1.1	2.02	1.29	35	22.5	15673
227	392930	5401077	0.42	0.39	24.1	22.7	1.41	1.33	31	29.6	10622
228	392991	5398006	0.29	0.12	18.4	7.8	1.97	0.84	48	20.5	23636
229	393002	5402972	0.24	0.23	40.0	36.9	1.19	1.10	11	10.1	10846
230	393508	5402504	0.44	0.23	152.1	80.8	0.61	0.32	22	11.5	18825
231	393983	5403044	0.38	0.24	128.1	80.0	1.72	1.07	27	16.9	16017
232	403508	5407492	0.82	0.52	42.2	26.6	2.02	1.28	38	23.8	15872
233	403032	5406982	0.66	0.25	92.5	34.8	3.22	1.21	47	17.7	26559
234	402989	5408032	0.55	0.52	91.5	86.7	3.68	3.49	42	40.0	10544
235	403451	5408528	0.09	0.13	19.7	29.7	0.17	0.26	6.4	9.6	6651
236	403001	5409001	1.02	0.66	285.8	185.7	1.03	0.67	25	16.5	15387
237	402530	5409523	0.34	0.32	65.2	60.3	4.46	4.13	48	44.1	10801
238	403759	5409007	0.07	0.06	7.2	6.0	0.69	0.58	4.5	3.8	11862
239	403472	5409464	0.63	0.68	206.4	223.1	1.60	1.73	37	39.9	9251
240	399555	5407540	0.33	0.31	42.2	39.5	1.60	1.50	66	61.6	10683
241	399520	5408536	0.45	0.33	176.9	128.1	0.96	0.69	11	7.9	13810
242	396026	5405941	0.44	0.23	77.8	41.2	5.62	2.98	57	30.0	18862
243	394061	5401027	0.21	0.09	2.5	1.1	3.74	1.58	40	17.1	23618
244	394978	5401008	0.48	0.23	47.2	22.4	1.95	0.92	39	18.6	21056
245	397004	5400992	0.18	0.13	1.7	1.2	0.24	0.17	6.6	4.8	13667
246	397453	5400513	0.09	0.07	3.1	2.3	0.09	0.06	6.8	5.0	13667
247	396508	5400478	0.06	0.06	9.6	8.9	0.20	0.18	2.6	2.5	10771
248	395537	5400464	0.38	0.28	46.0	33.3	1.91	1.38	31	22.3	13810
249	391962	5398184	0.09	0.05	8.2	5.1	1.67	1.03	26	16.0	16158
250	391012	5398004	0.09	0.06	1.7	1.2	0.71	0.52	5.1	3.7	13610
251	390470	5398514	0.03	0.03	12.4	15.9	0.57	0.74	7.5	9.7	7756
252	390985	5398995	0.10	0.13	3.9	5.3	2.13	2.89	24	32.8	7363
253	399467	5414499	0.09	0.10	9.2	10.4	0.63	0.72	16	18.0	8841
254	400522	5414477	0.08	0.16	4.8	9.1	0.09	0.16	7.5	14.3	5280
255	404063	5413745	0.08	0.17	3.6	8.0	0.09	0.19	4.2	9.4	4481
256	405017	5412983	0.19	0.18	20.3	19.9	5.24	5.15	60	58.5	10172
257	395498	5398492	0.05	0.03	9.6	5.8	0.60	0.36	2.5	1.5	16445

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
258	390036	5398110	0.07	0.06	4.4	4.0	0.74	0.67	14	12.8	10990
259	389511	5398482	0.08	0.07	2.2	2.0	1.09	0.99	18	16.6	10990
260	389090	5399011	0.44	0.32	62.4	45.7	2.65	1.94	39	28.4	13667
261	388574	5399483	0.35	0.25	185.0	133.4	1.49	1.07	36	26.1	13874
262	389495	5399424	0.79	0.45	6.3	3.6	0.69	0.39	34	19.0	17679
263	390047	5398911	0.26	0.18	90.9	64.4	2.96	2.09	46	32.5	14121
264	390415	5399516	0.11	0.05	2.2	1.1	0.43	0.20	15	7.2	20858
265	388106	5401071	0.52	0.34	77.8	50.8	2.56	1.67	60	39.2	15301
266	392180	5402988	0.29	0.26	10.5	9.5	1.75	1.58	30	27.1	11072
267	392055	5402088	0.17	0.09	34.8	17.9	0.83	0.43	26	13.1	19425
268	391507	5402522	0.31	0.11	50.9	17.7	2.79	0.97	113	39.3	28749
269	391132	5403015	0.89	1.36	47.4	72.8	1.52	2.34	32	49.7	6508
270	390739	5402465	0.32	0.21	45.5	30.7	1.68	1.13	35	23.3	14813
271	390952	5401948	0.68	0.44	69.0	45.1	2.39	1.56	43	27.8	15289
272	391495	5401663	0.35	0.20	12.4	6.9	1.46	0.81	24	13.5	18023
273	392551	5402481	0.58	0.54	99.7	92.4	0.88	0.82	22	20.8	10786
274	388038	5402035	0.21	0.14	6.6	4.4	2.40	1.58	40	26.0	15186
276	387187	5402092	0.24	0.18	2.8	2.1	4.77	3.53	80	59.0	13505
277	385930	5402113	0.09	0.09	4.1	4.1	1.37	1.39	58	58.4	9865
278	387566	5401491	0.19	0.15	3.9	2.9	2.63	2.00	55	41.8	13151
279	387006	5400922	1.31	0.62	37.8	17.9	2.07	0.98	62	29.5	21144
280	386476	5401519	0.43	0.18	35.1	14.9	4.99	2.12	86	36.7	23550
281	386028	5400984	0.66	0.47	59.2	42.1	2.75	1.96	55	39.2	14039
282	386118	5399937	0.08	0.06	7.0	5.4	0.82	0.64	58	45.3	12833
283	386452	5400519	1.33	1.21	139.9	126.8	1.68	1.52	31	28.2	11031
284	387985	5402980	0.86	0.58	48.8	32.6	2.73	1.83	73	48.9	14939
285	386948	5399951	0.18	0.12	6.9	4.7	1.28	0.87	28	19.4	14694
286	387517	5400474	0.39	0.16	34.5	14.2	1.90	0.78	32	13.4	24237
287	387931	5399939	0.51	0.27	65.2	34.7	3.20	1.70	65	34.4	18786
288	388474	5401560	0.41	0.13	2.2	0.7	1.06	0.33	25	7.6	32184
289	388530	5402533	0.10	0.09	6.4	6.1	0.57	0.55	57	54.6	10479
290	388877	5401977	0.28	0.24	11.5	9.9	0.50	0.43	41	35.5	11604
291	389457	5402532	0.34	0.06	3.9	0.7	1.75	0.32	86	15.8	54669
292	390058	5402994	1.28	0.56	306.1	134.4	3.75	1.64	57	25.1	22779
293	389816	5402072	0.25	0.08	17.6	5.3	1.02	0.31	67	20.1	33264
294	389555	5401566	0.43	0.34	39.5	31.8	1.63	1.31	39	31.5	12423

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
Metal (ppm), Metal/C%											
295	388935	5402953	0.41	0.54	22.2	29.0	1.11	1.45	42	54.7	7654
296	392505	5401499	0.34	0.32	19.8	18.8	0.92	0.87	26	25.0	10540
297	392527	5400557	0.54	0.53	31.2	30.7	2.26	2.22	30	29.1	10172
298	392012	5400957	0.17	0.10	34.8	19.7	1.62	0.92	60	33.9	17648
299	391514	5400555	0.16	0.09	15.7	9.3	2.11	1.24	36	21.1	16963
300	391027	5400950	0.30	0.13	72.8	32.2	2.09	0.92	46	20.5	22655
301	393389	5400535	0.53	0.25	46.0	22.0	2.11	1.01	41	19.8	20874
302	392910	5399437	0.27	0.10	6.3	2.2	1.50	0.53	24	8.6	28366
303	398577	5401031	0.36	0.31	7.2	6.1	2.24	1.90	49	42.0	11768
304	399010	5401516	0.24	0.08	9.3	3.0	2.83	0.91	66	21.1	31174
305	398439	5401894	0.33	0.21	10.0	6.2	2.02	1.26	41	25.6	16045
306	397852	5401712	0.12	0.22	5.2	10.2	0.09	0.16	10	19.3	5157
307	398551	5403027	0.49	0.37	67.6	50.7	0.46	0.34	25	18.6	13343
308	398986	5402470	0.36	0.35	38.9	38.2	1.71	1.68	35	34.4	10171
309	394484	5398960	0.03	0.02	2.0	1.7	0.09	0.07	16	13.5	11809
310	394070	5399544	0.28	0.14	15.9	8.1	1.94	1.00	21	10.8	19525
311	393970	5398653	0.44	0.29	16.5	10.6	0.60	0.38	14	8.8	15530
312	398189	5402587	0.12	0.08	6.7	4.7	0.17	0.12	14	9.6	14384
313	393420	5399020	0.18	0.06	18.1	6.1	0.94	0.32	15	5.2	29510
314	393095	5398481	0.05	0.03	2.0	1.0	4.41	2.21	31	15.5	19941
315	388848	5399800	0.20	0.07	6.3	2.3	0.94	0.35	10	3.6	27048
316	391045	5400122	0.16	0.07	3.6	1.5	4.94	2.07	90	37.6	23877
317	390642	5400492	0.10	0.05	12.6	6.8	4.06	2.18	70	37.3	18680
318	390475	5401355	0.74	0.43	333.0	194.7	1.76	1.03	54	31.8	17106
319	390055	5401105	0.08	0.06	4.4	3.4	1.04	0.81	23	18.0	12807
320	388992	5401134	0.36	0.14	3.6	1.3	3.27	1.22	51	19.1	26739
321	389675	5400586	0.10	0.05	14.5	7.1	1.90	0.93	21	10.2	20571
322	389830	5399930	0.10	0.11	1.1	1.4	0.20	0.24	6.7	8.0	8366
323	397451	5398522	0.06	0.04	2.2	1.5	0.09	0.06	1.8	1.2	14871
324	396222	5397002	0.05	0.10	3.3	6.6	0.09	0.17	5.4	10.6	5054
325	396196	5395986	0.16	0.30	10.4	19.5	0.46	0.87	4.8	9.0	5361
327	399998	5399956	0.35	0.15	4.7	2.0	2.13	0.93	16	7.0	22948
328	399005	5398998	0.36	0.20	40.0	22.1	4.89	2.70	129	71.3	18111
329	399509	5400497	0.54	0.38	363.5	253.0	1.67	1.17	56	38.8	14365
330	401700	5402503	1.05	0.46	555.8	241.3	1.41	0.61	22	9.7	23034
331	400555	5401509	0.46	0.29	106.2	67.6	4.94	3.14	56	35.4	15716

Table. Results of analysis of soil samples. MPF. North Hellyer project. Tasmania

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Appendix 1

Sample Number	East	North	Co	Co/C*10 ²	Mn	Mn/C*10 ²	V	V/C*10 ²	Ti	Ti/C*10 ²	C ppm
			Metal (ppm), Metal/C%								
332	396508	5397508	0.03	0.02	4.4	4.1	0.22	0.21	12	10.8	10656
333	388500	5400556	0.09	0.09	2.2	2.1	0.70	0.65	15	13.5	10744

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Appendix 2

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
1	398530	5410365	0.16	0.22	7245
2	399115	5410954	0.51	0.51	10027
3	399642	5411550	0.45	0.48	9340
4	399533	5412560	0.11	0.07	15530
5	398941	5412008	0.56	0.20	27418
6	397956	5412036	0.12	0.05	23781
7	398370	5412590	0.05	0.06	7715
8	398960	5412950	0.56	0.87	6503
9	399611	5413479	0.50	0.29	17393
10	397020	5411980	0.54	0.39	13810
11	397550	5411450	0.05	0.05	9721
12	398527	5411515	0.39	0.43	9046
13	397530	5410450	1.06	0.96	11093
14	397085	5411010	0.24	0.15	15654
15	398090	5410990	0.10	0.22	4527
16	400065	5412080	0.13	0.12	10949
17	399900	5413040	0.10	0.13	7531
18	400380	5412580	0.10	0.08	12483
19	398915	5410030	0.31	0.36	8739
20	398530	5409460	0.41	0.27	15387
21	399540	5409505	0.27	0.31	8964
22	399980	5409985	0.21	0.27	8022
23	400044	5411034	0.63	0.46	13724
24	399537	5410553	0.46	0.48	9660
25	399122	5413922	0.15	0.15	9884
26	400050	5414019	0.37	0.25	14756
27	401018	5411007	0.32	0.15	21144
28	400525	5411458	1.36	1.44	9455
29	400993	5411883	0.13	0.10	12219
31	401590	5411533	0.16	0.10	16017
33	402475	5412539	0.35	0.10	34038
34	401000	5413000	0.48	0.37	13037
35	400980	5414020	0.00	0.00	5218
36	401500	5414580	0.57	0.60	9558
37	402480	5414430	0.12	0.27	4481
38	403006	5413026	0.31	0.32	9770
39	398989	5415002	0.10	0.08	12730
40	400010	5415025	0.44	0.43	10376
41	400948	5414970	0.15	0.11	13548
42	401998	5415029	0.39	0.18	22002
43	402989	5413980	0.11	0.10	10540
44	403473	5413500	0.82	0.29	28481
45	403484	5412489	0.34	0.27	12647
46	402985	5412002	1.00	0.91	10968
47	404022	5413005	0.27	0.17	16249
48	402521	5413510	0.88	0.73	12074
49	401997	5413002	0.48	0.27	17926
50	401501	5412498	0.29	0.16	18682
51	401990	5414043	0.50	0.61	8186
52	400557	5413565	0.78	0.40	19523
53	401553	5413467	0.26	0.27	9865
54	401997	5411004	0.19	0.16	12014
56	402006	5410005	0.43	0.27	15673
57	401496	5410512	0.26	0.23	11502
58	401044	5409968	0.24	0.28	8575
59	402494	5410507	0.99	1.76	5628

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
60	403004	5410022	0.53	0.45	11911
61	404007	5410008	0.62	0.46	13667
62	404456	5410477	0.10	0.08	13056
63	403990	5410997	0.34	0.56	6119
64	403503	5410530	0.11	0.10	10540
65	403016	5410938	0.72	0.29	24581
66	401493	5409502	0.25	0.18	13667
67	402032	5409023	0.10	0.06	16246
68	403507	5411502	0.60	0.43	14097
69	402495	5411500	0.32	0.23	14183
70	404606	5412457	0.16	0.29	5472
71	404019	5412036	0.69	0.39	17619
72	405004	5411992	0.14	0.07	21316
73	404543	5411557	0.48	0.57	8432
74	405029	5411016	0.11	0.10	11093
75	405025	5409996	0.50	0.75	6711
76	401481	5407497	0.74	0.77	9599
77	401018	5406956	0.90	0.99	9046
78	402530	5408510	0.24	0.11	20628
79	401508	5408510	0.14	0.05	26387
80	400991	5409009	0.22	0.17	12628
81	400516	5409513	0.46	0.58	7980
82	400003	5409009	0.15	0.21	7142
83	400505	5408503	0.30	0.37	8227
84	401028	5408004	0.37	0.45	8165
86	399996	5408007	0.10	0.12	8575
87	400508	5407469	0.12	0.08	15062
88	400000	5406992	0.20	0.16	12234
89	400927	5406019	0.73	0.34	21316
90	401487	5406507	0.11	0.06	17682
91	402015	5406950	0.89	0.75	11911
92	402522	5407527	0.76	0.68	11195
94	402022	5405918	0.24	0.23	10479
95	401504	5405493	0.22	0.15	14694
96	400951	5404093	0.11	0.05	22921
97	400504	5403494	0.82	0.68	12074
98	400972	5403035	0.80	0.56	14244
99	399999	5403998	0.50	0.56	8943
101	400511	5404537	0.10	0.12	8166
102	400005	5405002	0.22	0.22	9942
103	400005	5406018	0.53	0.50	10479
104	400510	5405404	0.78	0.49	15900
105	400493	5406528	0.22	0.19	11441
106	398476	5404518	0.50	0.64	7756
107	398010	5403998	0.46	0.31	15100
108	397605	5403514	0.46	0.32	14284
109	396970	5403027	0.37	0.18	20690
110	396481	5402507	0.10	0.08	12807
111	396002	5402005	0.46	0.47	9865
112	398997	5405018	0.58	0.40	14549
113	399497	5405508	0.38	0.24	15816
114	398997	5406005	0.10	0.12	8514
115	399029	5406977	0.26	0.47	5628
116	398985	5408012	1.23	0.87	14121
117	397987	5410008	0.28	0.27	10479
118	396959	5410011	0.72	0.37	19462

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
119	397448	5409566	0.64	0.75	8575
120	393507	5401511	0.40	0.27	14957
121	394490	5401511	0.10	0.07	14119
122	395467	5401492	0.27	0.11	23893
123	395000	5402937	0.41	1.21	3376
124	395509	5402530	0.31	0.25	12435
125	394540	5402562	0.19	0.12	16103
126	395017	5402007	0.11	0.21	5464
127	395999	5400996	0.50	0.47	10683
129	393998	5401994	0.17	0.10	16246
130	393068	5402031	0.13	0.04	29913
131	398995	5408941	0.82	0.83	9783
132	398012	5409029	0.57	0.57	9967
133	398510	5408497	1.49	0.82	18234
134	398013	5408003	1.00	0.46	21718
135	397484	5408539	0.46	0.37	12521
136	397510	5407531	0.59	0.36	16202
137	398513	5407504	0.15	0.10	13954
138	398021	5406999	0.82	0.96	8493
139	397503	5406504	0.41	0.49	8288
140	398518	5406520	0.35	0.50	6938
141	398490	5405514	0.44	0.37	12074
142	399472	5406504	0.10	0.07	13935
143	398043	5406050	0.10	0.07	14080
144	397040	5408026	0.12	0.22	5709
145	397036	5406028	0.58	0.60	9762
146	398029	5405024	0.81	0.60	13524
147	397500	5405432	1.05	0.59	17742
148	396482	5405482	0.11	0.10	11645
149	396504	5409501	1.75	4.04	4338
150	397007	5409002	0.75	0.74	10110
151	396500	5408477	0.50	0.58	8652
152	395975	5408978	0.13	0.06	22088
153	396516	5407504	0.87	1.13	7695
154	396006	5407994	0.35	0.37	9312
155	395971	5407043	0.13	0.13	9558
156	395519	5407516	1.60	0.70	22862
157	396993	5406997	1.17	0.77	15163
158	396506	5406505	0.21	0.23	9350
159	395996	5403997	0.42	0.31	13834
160	396511	5404471	0.92	0.32	28966
161	396011	5404997	0.31	0.34	9046
162	395490	5404501	1.37	1.04	13097
163	397021	5404983	0.50	0.82	6078
164	395514	5405511	0.71	0.48	14813
165	395515	5406499	0.46	0.29	15513
166	395501	5403504	0.50	0.92	5423
167	395989	5403003	0.24	0.20	11809
168	396518	5403489	0.36	0.17	21228
169	397022	5403997	0.87	0.64	13466
170	397528	5404486	0.74	0.29	25901
171	399523	5404516	0.10	0.13	7981
172	398982	5404042	0.95	0.65	14612
173	398490	5403504	1.34	1.00	13382
174	397993	5403041	0.29	0.25	11441
175	398066	5402008	0.26	0.30	8473

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
176	397510	5402496	0.11	0.12	8738
177	397029	5401986	0.70	0.51	13753
178	397500	5401523	0.15	0.18	8280
179	398471	5401517	0.17	0.15	11461
180	399062	5401983	0.60	0.22	26504
181	398501	5402475	0.50	0.44	11337
182	399528	5403529	0.42	0.18	22749
183	398962	5402997	0.10	0.09	10949
184	395192	5397032	0.50	1.07	4686
185	395071	5396253	0.50	0.55	9148
186	395750	5396600	0.50	0.51	9762
187	398029	5400004	0.74	1.16	6446
188	399037	5400036	0.65	0.62	10581
189	396041	5397981	0.46	0.18	25355
190	396539	5398533	1.11	0.53	21030
191	395384	5397495	0.72	0.85	8509
192	395045	5398048	0.22	0.16	14183
193	393442	5398486	0.96	0.38	24927
194	392543	5398543	0.29	0.23	12721
195	394511	5398513	0.12	0.17	7420
196	397977	5399004	0.32	0.15	20831
197	391550	5398508	0.17	0.22	7936
198	397500	5399516	0.13	0.17	7660
199	397016	5400014	1.06	0.50	21228
200	396002	5400004	0.10	0.08	12219
201	396495	5399575	1.34	0.47	28536
202	395535	5399479	0.32	0.15	21611
203	397011	5399028	0.51	0.40	12951
204	398504	5400470	0.10	0.08	12197
205	398044	5401050	0.50	1.14	4399
206	398969	5400978	0.51	0.41	12435
207	400036	5400971	1.33	2.42	5505
208	399530	5401453	0.21	0.19	10683
209	399525	5402488	0.14	0.11	13094
210	399944	5403000	0.71	0.57	12423
211	399996	5401998	0.47	0.28	16963
212	400497	5402463	0.13	0.10	13524
213	400944	5401937	0.92	0.41	22655
214	395988	5399002	0.60	0.56	10540
215	391966	5399050	0.45	0.14	31993
217	392008	5399994	0.78	0.38	20571
218	392502	5399526	0.12	0.07	16731
219	392972	5399026	0.50	0.20	25355
220	394545	5399483	0.13	0.11	12091
221	394012	5400083	0.12	0.04	32404
222	395014	5399979	0.14	0.32	4354
223	394520	5400542	0.10	0.08	12177
224	393978	5399007	0.77	1.08	7060
225	393531	5399481	0.16	0.15	10540
226	393047	5400039	0.24	0.15	15673
227	392930	5401077	0.49	0.46	10622
228	392991	5398006	0.72	0.30	23636
230	393508	5402504	0.93	0.50	18825
231	393983	5403044	0.78	0.49	16017
232	403508	5407492	0.10	0.06	15872
233	403032	5406982	1.51	0.57	26559

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
234	402989	5408032	0.13	0.12	10544
235	403451	5408528	0.09	0.14	6651
236	403001	5409001	0.52	0.34	15387
237	402530	5409523	0.75	0.69	10801
238	403759	5409007	0.10	0.08	11862
239	403472	5409464	0.44	0.47	9251
240	399555	5407540	0.70	0.65	10683
241	399520	5408536	0.78	0.57	13810
242	396026	5405941	1.96	1.04	18862
243	394061	5401027	0.87	0.37	23618
244	394978	5401008	0.69	0.33	21056
245	397004	5400992	0.13	0.10	13667
246	397453	5400513	0.10	0.08	13667
247	396508	5400478	0.24	0.22	10771
248	395537	5400464	0.56	0.41	13810
249	391962	5398184	0.15	0.09	16158
250	391012	5398004	0.10	0.07	13610
251	390470	5398514	0.26	0.34	7756
252	390985	5398995	1.41	1.92	7363
253	399467	5414499	0.11	0.13	8841
254	400522	5414477	0.10	0.19	5280
255	404063	5413745	2.02	4.51	4481
256	405017	5412983	0.14	0.13	10172
257	395498	5398492	0.20	0.12	16445
258	390036	5398110	0.50	0.45	10990
259	389511	5398482	0.32	0.29	10990
260	389090	5399011	0.29	0.21	13667
261	388574	5399483	0.46	0.33	13874
262	389495	5399424	0.34	0.19	17679
263	390047	5398911	0.50	0.35	14121
264	390415	5399516	1.32	0.63	20858
265	388106	5401071	0.37	0.24	15301
266	392180	5402988	0.64	0.58	11072
267	392055	5402088	0.56	0.29	19425
268	391507	5402522	0.70	0.24	28749
269	391132	5403015	0.80	1.23	6508
270	390739	5402465	0.80	0.54	14813
271	390952	5401948	0.62	0.41	15289
272	391495	5401663	0.21	0.12	18023
273	392551	5402481	0.59	0.54	10786
274	388038	5402035	0.40	0.26	15186
276	387187	5402092	0.10	0.07	13505
277	385930	5402113	0.50	0.51	9865
278	387566	5401491	0.40	0.31	13151
279	387006	5400922	0.38	0.18	21144
280	386476	5401519	0.61	0.26	23550
281	386028	5400984	0.33	0.23	14039
282	386118	5399937	0.32	0.25	12833
283	386452	5400519	1.02	0.92	11031
284	387985	5402980	0.49	0.33	14939
285	386948	5399951	0.47	0.32	14694
286	387517	5400474	0.21	0.09	24237
287	387931	5399939	0.78	0.41	18786
288	388474	5401560	0.46	0.14	32184
289	388530	5402533	1.18	1.12	10479
290	388877	5401977	0.62	0.54	11604

**Table. Results of analysis of soil samples.
MPF. North Hellyer project. Tasmania**

Sample Number	East	North	Au ppb	Au/C*10 ⁴	C ppm
291	389457	5402532	0.79	0.14	54669
292	390058	5402994	0.83	0.37	22779
293	389816	5402072	0.29	0.09	33264
294	389555	5401566	0.55	0.44	12423
295	388935	5402953	0.15	0.20	7654
296	392505	5401499	0.36	0.35	10540
297	392527	5400557	0.13	0.13	10172
298	392012	5400957	0.29	0.16	17648
299	391514	5400555	0.10	0.06	16963
300	391027	5400950	0.11	0.05	22655
301	393389	5400535	0.92	0.44	20874
302	392910	5399437		0.00	28366
303	398577	5401031	0.50	0.42	11768
304	399010	5401516	0.81	0.26	31174
305	398439	5401894	0.22	0.14	16045
306	397852	5401712	0.29	0.57	5157
307	398551	5403027	0.37	0.28	13343
308	398986	5402470	0.87	0.86	10171
309	394484	5398960	0.31	0.26	11809
311	393970	5398653	0.67	0.43	15530
312	398189	5402587	0.81	0.56	14384
314	393095	5398481	0.57	0.28	19941
316	391045	5400122	1.15	0.48	23877
317	390642	5400492	0.86	0.46	18680
318	390475	5401355	0.67	0.39	17106
319	390055	5401105	0.10	0.07	12807
320	388992	5401134	0.13	0.05	26739
321	389675	5400586	0.54	0.26	20571
322	389830	5399930	0.10	0.12	8366
323	397451	5398522	0.50	0.34	14871
324	396222	5397002	0.15	0.30	5054
325	396196	5395986	0.56	1.04	5361
327	399998	5399956	0.36	0.16	22948
328	399005	5398998	0.34	0.19	18111
329	399509	5400497	0.56	0.39	14365
330	401700	5402503	0.35	0.15	23034
331	400555	5401509	0.11	0.07	15716
333	388500	5400556	0.39	0.36	10744

Table. Results of analysis of soil samples. TMGM. North Hellyer project. Tasmania

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Appendix 3

Sample Number	East	North	Au	Ag	Pb	Zn	Cu	As	Ni	Co	Mn	V	Ti
			ppb			ppm							
1	398530	5410365	1.08	84	6.15	133	56.6	3.80	386	36.6	1433	250	2741
3	399642	5411550	12.34	87	4.36	159	54.8	2.21	402	76.1	1975	209	2362
4	399533	5412560	10.56	38	0.61	74	37.6	1.77	130	32.6	686	308	1496
7	398370	5412590	19.93	3	3.29	9.5	2.8	1.02	43	2.3	79	49	1662
9	399611	5413479	7.79	60	3.98	66	66.2	3.30	234	11.1	213	273	2139
11	397550	5411450	28.66	3	3.56	136	75.1	1.52	263	126.0	2182	282	1229
12	398527	5411515	2.87	14	5.12	131	51.9	2.29	136	36.5	922	270	1734
13	397530	5410450	1.89	3	4.33	116	61.3	0.82	175	16.0	455	297	1462
18	400380	5412580	8.40	24	4.70	174	55.1	0.56	194	28.5	798	174	1020
20	398530	5409460	2.48	3	4.06	104	54.3	1.08	190	42.7	989	290	925
21	399540	5409505	8.96	3	3.92	143	76.1	0.63	229	71.8	1465	249	1209
24	399537	5410553	0.50	3	2.53	137	69.8	0.57	249	66.8	969	278	973
28	400525	5411458	14.23	49	3.61	236	53.2	1.73	274	57.7	2029	171	2371
31	401590	5411533	7.79	41	3.21	145	71.8	2.11	152	29.7	446	245	2427
33	402475	5412539	17.14	18	1.61	105	54.8	1.84	171	26.9	97	289	1317
36	401500	5414580	3.18	6	0.59	81	87.2	1.02	195	38.6	689	331	628
37	402480	5414430	2.71	63	2.53	92	76.7	3.97	138	21.2	398	142	1329
44	403473	5413500	4.05	36	1.95	97	70.7	6.00	176	22.1	329	107	2209
45	403484	5412489	3.20	51	3.65	147	56.0	2.39	185	28.2	575	147	3374
48	402521	5413510	0.50	3	2.37	114	69.1	1.04	179	39.9	605	157	903
50	401501	5412498	2.50	3	4.97	70	56.8	1.54	104	7.2	47	227	493
52	400557	5413565	16.08	6	21.65	70	68.7	8.91	211	4.7	72	202	563
53	401553	5413467	6.15	7	2.78	63	67.8	6.02	233	12.3	93	195	1062
57	401496	5410512	2.22	85	4.10	139	65.1	3.72	160	31.9	694	105	1212
59	402494	5410507	8.92	63	31.62	82	14.9	10.95	238	8.5	405	168	1423
62	404456	5410477	3.17	27	50.60	68	18.1	13.04	810	7.4	147	45	933
64	403503	5410530	4.29	10	5.75	137	30.1	2.53	519	57.9	806	178	2174
66	401493	5409502	3.33	73	4.60	134	59.3	3.08	234	62.5	2746	248	2229
68	403507	5411502	6.90	113	19.86	84	15.3	13.55	171	8.8	175	176	1693
69	402495	5411500	5.26	128	6.53	147	49.6	1.77	161	22.6	1163	105	1305
70	404606	5412457	7.89	52	120.42	496	16.1	18.85	53	5.6	385	71	507
73	404543	5411557	3.64	61	5.80	151	55.6	2.36	203	41.7	1129	232	1973

Table. Results of analysis of soil samples. TMGM. North Hellyer project. Tasmania

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Appendix 3

Sample Number	East	North	Au	Ag	Pb	Zn	Cu	As	Ni	Co	Mn	V	Ti
			ppb			ppm							
76	401481	5407497	2.03	3	1.99	97	61.3	0.81	135	26.0	781	43	1009
78	402530	5408510	5.65	41	18.37	122	38.6	14.70	1344	22.1	565	276	1789
79	401508	5408510	7.56	17	4.20	149	54.3	2.76	199	50.7	1424	158	2051
81	400516	5409513	7.37	3	2.63	151	51.5	1.18	156	179.9	3860	232	1099
83	400505	5408503	1.49	29	4.53	132	42.1	0.34	183	58.9	1310	135	2484
87	400508	5407469	5.36	32	4.18	148	66.7	0.60	197	77.7	1452	101	1429
90	401487	5406507	4.24	3	1.57	129	50.4	0.76	119	60.6	955	265	808
92	402522	5407527	2.71	50	5.19	122	51.9	0.33	160	16.7	300	135	1302
95	401504	5405493	1.39	95	26.77	113	53.0	1.94	237	35.6	1097	139	1085
97	400504	5403494	3.83	79	1.97	85	83.7	4.67	154	41.5	1065	123	624
101	400511	5404537	6.46	52	8.23	124	68.5	6.83	383	59.9	2321	181	1119
104	400510	5405404	0.50	9	2.21	108	73.3	1.98	190	48.8	708	103	588
105	400493	5406528	4.78	11	2.17	179	56.5	0.96	200	82.6	2069	102	913
106	398476	5404518	19.79	12	0.98	107	82.3	0.26	228	43.4	593	121	551
108	397605	5403514	5.63	71	3.13	75	76.4	2.83	1597	46.8	280	131	575
110	396481	5402507	45.36	11	2.62	110	77.9	1.07	211	31.1	766	58	600
113	399497	5405508	1.66	3	0.12	140	36.0	1.92	82	34.4	464	276	328
119	397448	5409566	0.50	3	3.47	107	61.3	1.09	140	61.6	2179	189	463
120	393507	5401511	14.85	3	0.62	79	52.2	0.96	123	49.2	186	297	353
121	394490	5401511	26.10	3	1.07	120	72.9	0.71	137	26.4	331	161	286
122	395467	5401492	0.50	6	1.43	127	86.2	0.65	206	30.3	347	105	410
124	395509	5402530	11.51	25	0.62	79	73.5	0.58	147	15.2	124	125	520
125	394540	5402562	1.37	38	2.85	57	30.5	1.94	162	12.7	152	118	689
133	398510	5408497	20.13	32	1.07	82	74.7	3.30	129	14.3	308	248	594
135	397484	5408539	8.42	103	4.55	180	55.7	1.43	215	44.2	1632	118	1208
136	397510	5407531	8.62	86	8.71	152	71.1	3.69	173	30.4	1457	126	2157
137	398513	5407504	17.50	3	0.44	83	67.9	2.00	142	37.2	477	189	931
139	397503	5406504	8.47	41	1.97	138	80.4	0.55	211	53.5	1233	76	634
140	398518	5406520	25.14	3	5.77	116	67.9	1.49	204	27.9	491	189	837
141	398490	5405514	6.67	3	2.60	128	61.6	2.67	165	38.8	719	181	346
142	399472	5406504	2.52	44	4.35	126	59.5	1.28	146	29.6	723	144	1905
147	397500	5405432	1.09	7	0.94	106	60.7	1.02	164	20.9	387	192	378

Table. Results of analysis of soil samples. TMGM. North Hellyer project. Tasmania

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Appendix 3

Sample Number	East	North	Au	Ag	Pb	Zn	Cu	As	Ni	Co	Mn	V	Ti
			ppb			ppm							
148	396482	5405482	0.50	6	2.74	98	71.5	1.25	202	83.8	1561	71	625
149	396504	5409501	1.46	11	4.02	143	59.4	0.35	189	128.0	3007	122	591
151	396500	5408477	4.84	3	1.75	118	34.2	1.94	151	17.9	171	606	438
153	396516	5407504	2.22	3	3.64	159	60.2	0.32	186	53.1	788	73	861
156	395519	5407516	2.66	14	3.14	111	61.5	3.72	181	39.4	699	230	1846
158	396506	5406505	4.98	18	3.83	141	63.4	1.54	197	31.5	599	66	1159
160	396511	5404471	5.81	3	0.80	94	85.1	2.06	170	20.4	369	110	903
162	395490	5404501	4.29	6	1.43	68	125.2	0.57	156	36.1	663	88	333
164	395514	5405511	1.38	14	2.68	182	67.7	1.17	184	44.0	900	92	1241
165	395515	5406499	3.86	3	1.74	125	69.0	1.03	181	47.8	845	131	624
166	395501	5403504	17.30	3	3.63	131	66.0	0.77	202	62.1	535	96	485
168	396518	5403489	8.66	66	2.46	120	85.0	3.14	180	35.5	608	103	767
170	397528	5404486	2.87	51	19.97	104	76.5	1.23	183	27.1	551	66	610
171	399523	5404516	1.88	94	2.75	172	70.4	1.33	245	41.5	1044	65	894
173	398490	5403504	0.50	61	2.97	140	47.9	0.50	182	49.3	1126	98	1390
176	397510	5402496	3.54	11	4.48	29	33.3	0.92	1544	21.3	222	69	3958
178	397500	5401523	5.62	24	5.42	16	24.1	3.05	1353	11.7	149	19	853
179	398471	5401517	2.96	55	10.88	117	24.9	0.59	810	16.1	206	101	2577
181	398501	5402475	9.52	122	1.73	81	106.3	2.48	113	28.3	462	104	494
182	399528	5403529	15.63	44	2.60	97	66.7	4.39	173	59.8	1677	186	881
185	395071	5396253	22.92	3	10.94	30	43.1	14.58	1852	16.0	174	60	640
186	395750	5396600	9.64	72	16.97	88	8.8	5.96	201	10.1	142	219	1474
190	396539	5398533	5.45	13	28.25	150	15.5	1.40	89	18.3	253	231	1575
191	395384	5397495	6.26	54	10.79	41	17.7	4.66	750	6.7	90	82	1036
193	393442	5398486	4.65	40	3.33	64	103.3	3.15	124	13.8	281	152	448
194	392543	5398543	35.44	3	0.56	70	30.0	5.40	247	16.2	75	232	471
195	394511	5398513	18.12	120	17.06	62	57.5	9.13	2621	28.1	284	87	1673
197	391550	5398508	17.67	33	69.82	10	6.3	1.48	111	2.1	51	31	617
198	397500	5399516	1.73	16	2.99	15	10.9	0.60	316	7.4	79	13	944
201	396495	5399575	9.23	177	30.24	54	8.6	129.55	112	3.6	68	138	1538
202	395535	5399479	10.75	56	3.92	75	8.5	6.90	229	5.6	88	309	1175
204	398504	5400470	7.78	78	2.56	128	72.4	2.87	188	31.3	689	127	633

Table. Results of analysis of soil samples. TMGM. North Hellyer project. Tasmania

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Appendix 3

Sample Number	East	North	Au	Ag	Pb	Zn	Cu	As	Ni	Co	Mn	V	Ti
			ppb			ppm							
208	399530	5401453	21.76	75	7.80	157	57.6	2.46	202	40.4	2040	149	1604
209	399525	5402488	2.70	3	2.80	126	49.8	0.83	127	32.6	1137	110	1063
212	400497	5402463	0.50	41	3.69	127	54.6	3.28	146	46.7	1093	125	1001
216	391512	5399509	4.68	153	8.72	70	50.1	2.38	141	10.2	148	211	1649
218	392502	5399526	2.48	41	2.59	70	46.0	2.23	159	15.0	168	85	1094
220	394545	5399483	0.50	10	3.39	11	13.7	1.40	651	6.8	95	55	516
223	394520	5400542	0.50	44	1.71	15	96.2	6.76	3487	42.1	422	36	906
225	393531	5399481	1.13	44	2.73	99	63.9	1.26	193	16.2	214	61	491
228	392991	5398006	8.23	43	3.03	106	66.4	4.94	155	16.4	131	186	658
230	393508	5402504	12.74	39	4.11	128	72.6	1.63	168	28.5	687	82	641
232	403508	5407492	4.51	15	1.60	131	75.1	1.97	209	59.8	989	78	448
235	403451	5408528	0.50	11	2.30	10	5.9	0.64	31	2.3	67	4.3	672
237	402530	5409523	11.79	52	4.76	191	52.9	2.81	254	53.2	1998	114	1353
239	403472	5409464	12.61	22	2.40	106	59.7	3.91	177	24.7	925	207	488
240	399555	5407540	6.71	3	0.92	130	47.6	1.28	139	22.5	321	180	279
241	399520	5408536	10.41	35	0.88	140	46.7	1.35	240	94.1	3676	96	329
246	397453	5400513	19.39	46	5.96	34	28.7	8.16	1404	11.1	159	36	594
247	396508	5400478	5.59	8	3.44	42	50.7	1.89	2341	20.2	220	97	594
248	395537	5400464	3.85	77	5.98	145	45.0	0.53	176	35.0	913	83	983
251	390470	5398514	2.24	53	24.61	19	5.9	9.27	62	1.4	52	49	535
253	399467	5414499	8.00	14	1.56	8.4	6.7	0.72	82	1.3	60	18	1626
254	400522	5414477	0.50	27	1.88	9.2	6.2	0.54	190	1.5	48	11	920
257	395498	5398492	15.46	3	4.64	98	8.0	0.85	126	11.2	211	210	740
259	389511	5398482	10.84	61	5.15	63	57.6	3.91	203	11.1	98	198	2493
261	388574	5399483	9.66	3	3.72	112	61.6	0.23	184	33.9	658	99	627
262	389495	5399424	5.51	11	1.65	77	48.1	1.04	109	18.4	246	184	743
264	390415	5399516	3.09	72	11.86	84	17.4	0.85	105	10.5	72	200	499
268	391507	5402522	16.06	15	0.61	148	54.0	0.23	216	36.1	137	131	619
270	390739	5402465	0.50	7	2.03	129	59.5	0.12	150	58.2	1101	128	511
272	391495	5401663	6.02	75	2.10	72	90.0	0.54	127	20.8	414	125	399
273	392551	5402481	18.14	15	1.24	64	43.5	0.43	105	78.9	1225	278	280
278	387566	5401491	1.53	19	0.98	82	43.1	1.62	162	16.9	71	180	633

Table. Results of analysis of soil samples. TMGM. North Hellyer project. Tasmania

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Appendix 3

Sample Number	East	North	Au	Ag	Pb	Zn	Cu	As	Ni	Co	Mn	V	Ti
			ppb			ppm							
280	386476	5401519	5.82	22	4.39	98	38.8	1.25	109	24.9	249	90	470
283	386452	5400519	9.61	28	3.31	182	35.6	0.02	120	136.2	1626	250	429
286	387517	5400474	6.60	13	3.20	109	47.1	1.02	143	42.8	613	144	1026
288	388474	5401560	23.68	34	1.97	68	33.0	0.52	133	11.6	70	267	341
289	388530	5402533	19.26	18	1.60	82	57.2	0.83	124	48.2	621	213	576
291	389457	5402532	9.31	3	1.74	127	69.9	1.47	159	37.5	288	161	1088
294	389555	5401566	10.59	3	2.16	136	72.9	0.23	191	57.6	993	122	394
296	392505	5401499	10.10	22	0.81	55	92.5	0.22	103	25.1	488	228	463
297	392527	5400557	14.04	13	0.09	57	99.8	0.34	152	32.2	642	272	315
299	391514	5400555	5.98	54	2.43	114	57.7	0.64	126	40.8	325	157	369
301	393389	5400535	3.28	15	1.49	94	54.6	0.43	126	19.7	276	188	405
317	390642	5400492	6.46	32	5.15	60	18.0	0.73	83	8.0	56	248	329
318	390475	5401355	17.54	44	2.22	63	39.9	1.39	140	29.3	686	171	615
321	389675	5400586	3.80	30	3.00	64	69.3	0.92	184	14.3	102	118	618
323	397451	5398522	0.50	3	2.73	7.4	7.3	1.82	315	3.2	52	23	612
325	396196	5395986	10.48	76	7.91	43	9.6	1.36	294	5.3	76	162	1971
329	399509	5400497	10.98	20	2.58	70	43.4	1.44	83	22.9	633	108	903
330	401700	5402503	4.82	28	3.31	72	49.1	1.02	154	29.4	345	124	857
331	400555	5401509	2.82	42	3.62	77	56.8	0.72	123	38.2	916	171	332
332	396508	5397508	1.28	3	4.00	9.0	11.1	0.52	491	5.7	93	10	532
333	388500	5400556	4.66	78	3.01	38	17.4	0.76	108	13.2	54	95	307