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Bulman Zinc / Lead Project
Report on Soil Sampling Program

EL23814/EL25931 and MCN726 & MCN727

Geos Mining Project 2212

Project Commissioned by
Bulman Resources Pty Ltd

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SUMMARY

Admiralty Resources NL holds EL23814, EL25931, MLN 726 and MLN 727, which is known as the Bulman Prospect in Arnhem Land, Northern Territory. The region is considered to be prospective for carbonate-hosted stratabound Pb-Zn deposits. An initial drilling program was completed in July 2008, consisting of 41 drillholes, followed by a soil sampling program. 160 soil and termite mound samples and 29 rock samples were analysed with a portable XRF. Of these samples, 3 rock chip samples, and 1 soil sample taken from within the Admiralty Resources tenements were submitted to NTEL laboratories, Darwin for check assaying.

The results of the XRF readings have outlined some Zn anomalies and also Ti-Fe anomalies in EL25931. These anomalies may be worthy of follow-up work by geochemical methods where the transported cover is not problematic. Some work may also be conducted on the Bulman fault to determine its prospectivity. Geochemical methods may be employed where cover is not prohibitive, otherwise geophysical methods such as IP and magnetics may aid in delineating drill targets.

Disclaimer

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Geos Mining and the authors are independent of Admiralty Resources and have no financial interests in any associated companies. Geos Mining is being remunerated for this report on a standard fee for time basis, with no success incentives.

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INTRODUCTION

Admiralty Resources NL, through its subsidiary Bulman Resources Pty Ltd, holds EL23814, EL25931, MLN 726 and MLN 727, known as the Bulman Prospect, in Arnhem Land, Northern Territory (Figure 1). Bulman Resources considers the region prospective for carbonate-hosted stratabound Pb-Zn deposits. An initial drilling program was completed in July 2008 followed by a phase of soil sampling in which 160 soil and termite mound samples and 29 rock samples were analysed with an Innov-X-50 portable XRF analyser.

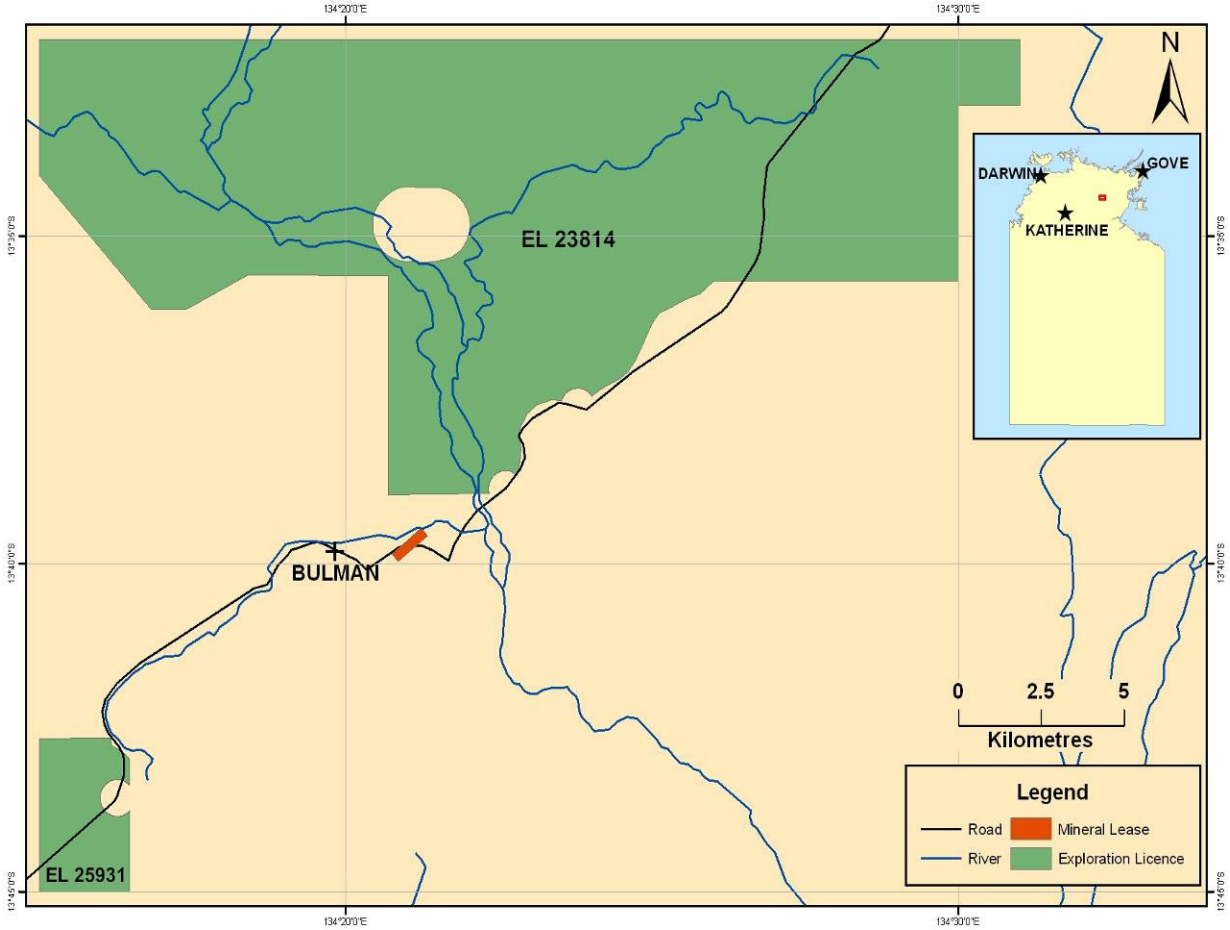

Figure 1: Bulman area location map

LOCATION AND ACCESS

The Bulman Prospect is located 310 kilometres by road northeast of Katherine in the Northern Territory. The leases are centred on the Aboriginal community of Bulman (Figure 1) and lie wholly within the Arnhem Land Aboriginal Reserve.

Access to Bulman is via the partially sealed Central Arnhem Road, which is the main access road to Gove and Nhulunbuy. Access within the tenements is restricted to a small number of rough bush tracks.

GEOLOGICAL SETTING

Regional Geology

The Bulman area lies within the northwest portion of the Paleo-Mesoproterozoic sequence of the McArthur Basin. The formations comprise dolostone and sandstone belonging to the Roper Group (Limmen Sandstone, Mainoru Formation) and the Mt Rigg Group (Dook Creek Formation) (Figure 2). The area has been intruded by the Derim Derim dolerite.

Apart from contact metamorphic effects, the region does not show any evidence of regional metamorphism. The most prominent structure in the region is the northwest-trending Bulman Fault, which can be traced over a distance of 300km. The Bulman Fault is a major basement feature that was reactivated several times during the Proterozoic (Wygralak, 1993). Second generation faulting, possibly reflecting Phanerozoic tectonism (Nasca, 1969), has north-south trends and a third set of faults (probably the youngest) strikes east-northeast. Primary base metal mineralisation has been associated with this set of faults (Nasca, 1969).

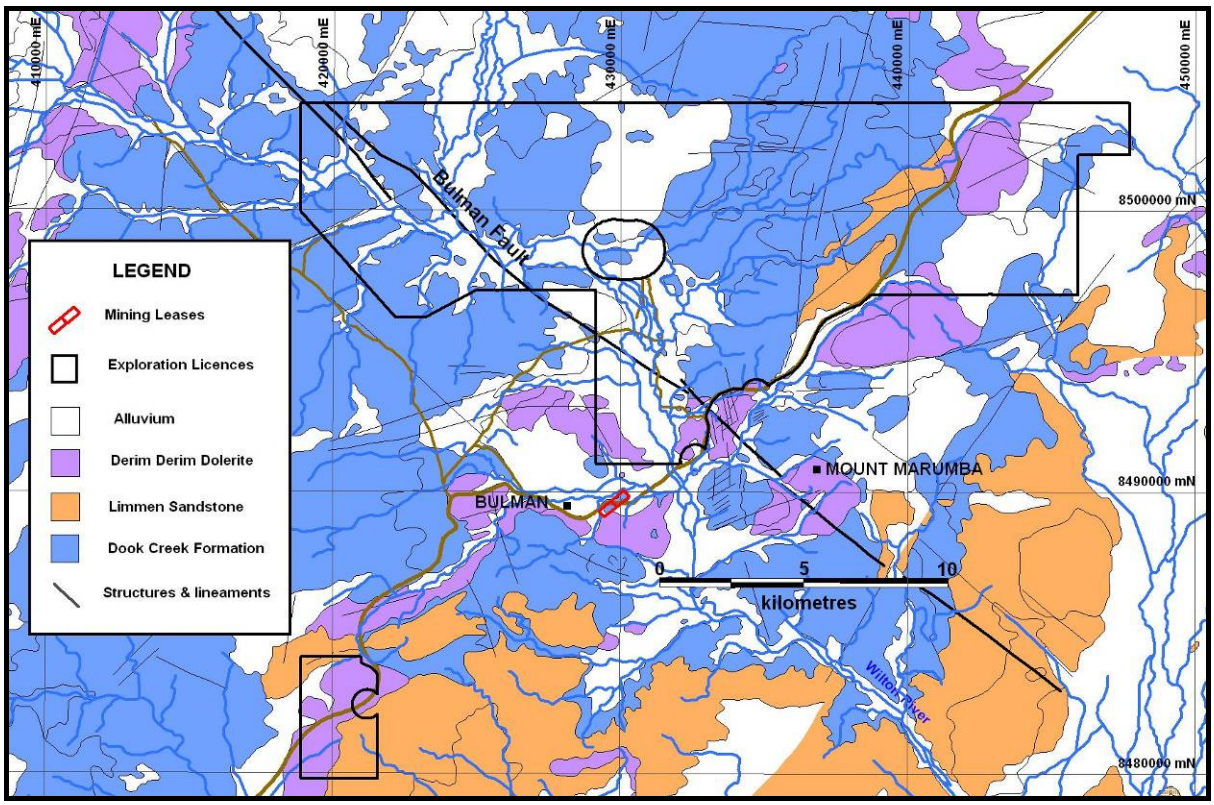

Figure 2: Geological map of the Bulman area.

Bulman Prospect Geology

Bulman Prospect host rocks consist of flat-lying or gently dipping laminated dolomitic limestone, chert, fine sandstone and chert breccia of the Dook Creek Formation (Wygralak, 1993). The sediments are intruded by sills of Derim Derim dolerite, which attain thicknesses of up to 125m.

The mineralisation style is, in basic terms, a carbonate-hosted stratabound Zn-Pb deposit. This type of deposit consists of carbonates with lens-like deposits of galena, sphalerite and chalcopyrite. The carbonates typically have primary to secondary porosity.

Almost all mineralisation occurs in carbonate rocks showing contact metamorphic effects (Wygralak, 1993) within 50m of the intruding dolerite sills. Wygralak defined three styles of mineralisation:

- Small but rich pods of high grade galena and sphalerite that follow fractures or karst-related cavities along bedding planes and terminate at shallow depths, possibly at the base of the paleokarst corrosion.
- Surface crusts of high grade zinc mineralisation 0.3 to 0.6m thick. The crust ore is light brown in colour, highly porous and consists of cerrusite, smithsonite, galena, hydrozincite and willemite.
- Sub-surface stratiform mineralisation occurring in several horizons, making up the bulk of the base metal resource at Bulman. The mineralisation consists of low iron sphalerite, galena and traces of chalcopyrite.

PREVIOUS EXPLORATION

The Bulman Zn-Pb deposits have been the subject of several previous investigations, notably Western Nuclear and Enterprise Exploration Co Pty Ltd (EEC).

The exploration consisted of active exploration from 1952 to 1962 by EEC, including eight drillholes, and sixteen completed by Western Nuclear, five completed in 1968 and eleven in 1969. No significant work has been done since then.

MLNs 726 and 727 were discovered by EEC in 1954. The reports on these areas by Sturmfels describe exploration done on the area as only geological mapping and grab sampling but no drilling.

SOIL SAMPLING PROGRAM JULY 2008

Soil sampling carried out on EL23814 and EL25931 at Bulman consisted of 160 soil and termite samples. Details of the samples are presented in Appendix 1. 27 rock chip samples were also collected during the program, which was undertaken during June-July 2008.

The samples were targeted to test:

- the continuation of known Zn-Pb mineralisation in the southern parts of EL23814,
- across geophysical anomalies in the northern part of EL23814, and
- across lithological boundaries in EL25931.

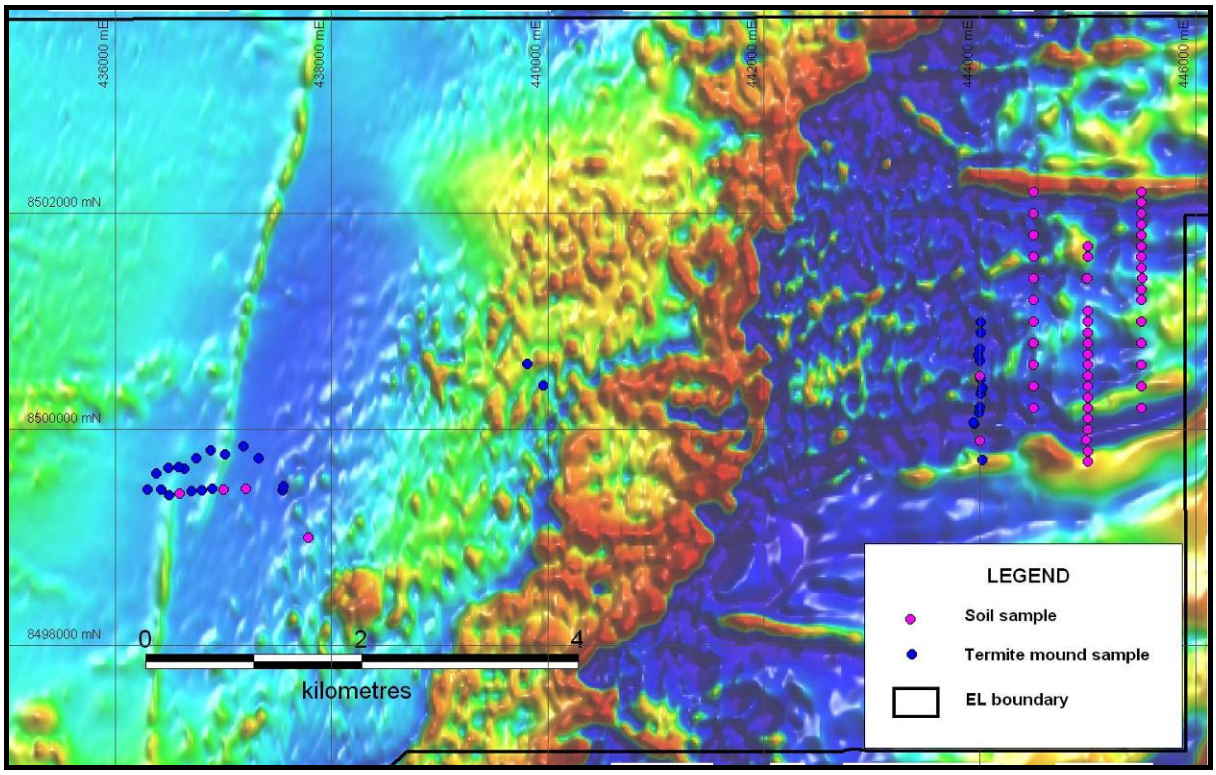

Figure 3: Northern EL23814 soil and termite sample locations

(RTP magnetics background)

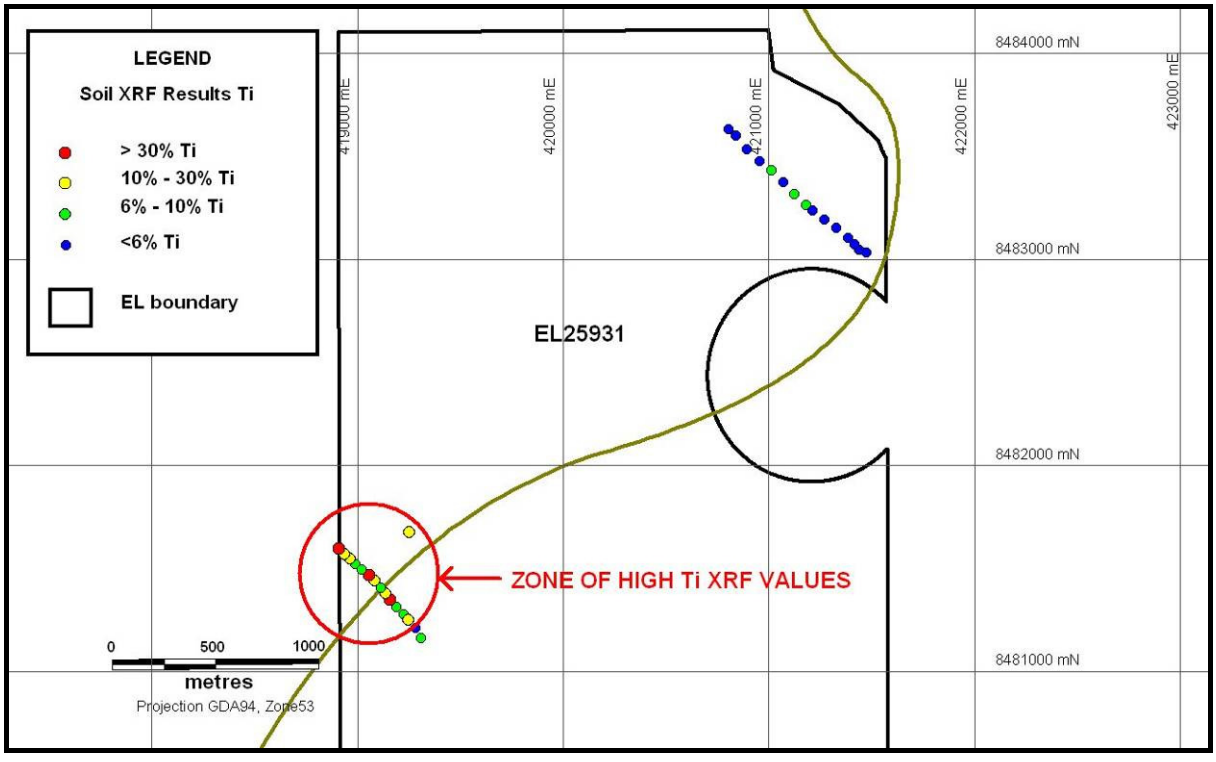

Figure 4: EL25931 soil samples – XRF Ti values

Sampling Technique

The method for soil and termite sampling used was:

- Clear a patch of ground of all rock, vegetation and loose sediment or scratch a termite mound (Photo 1).
- Remove the top 2-3 cm of soil and clear to the side.
- Sample the next layer of soil down to 10cm depth.
- Zap the exposed soil at the bottom of the hole with the portable XRF.
- Fill in hole with left over material.

1 soil sample and 3 rock chip samples from within the Admiralty Resources tenements were sent to NTEL, Darwin, for assaying through ICP-ME and ICP-OES on 21 July 2008.

Photo 1: Taking XRF reading of a termite mound

XRF Analysis

The Innov-X Systems XRF Analyser is a point source analyser that can analyse soil, rock and drill holes and give an instantaneous breakdown of the elements present.

The instrument can be set on either of 2 settings, with the first being analysis to a ppm level (Bulk Analysis) and the second being to a % level (Industrial Bulk Analysis). The second setting is usually used for high grade samples.

The soil and termite samples were analysed on bulk analysis setting (ppm) for 30 seconds. The instrument was placed on the ground or the termite mound with the sampling window flush with the surface. To avoid contamination the sampling window was covered with thin clear plastic.

XRF Results

Results from the soil and termite XRF readings are tabulated in Appendix 1. (Note: because of the nature of the sampling and analytical procedure, these results can only be regarded as indicative). Rock chip results are tabulated in Appendix 2.

Some of the termite mound readings from the southern part of EL23814 have shown significant Zn values of up to 1500ppm. However, upon processing the GPS readings for these localities, it was realised that the samples were taken from an area outside of the EL. Similarly, soil sample BMSL01 and termite sample BMTR01 were taken from south of EL23814. 3 lines of samples were collected in the north-east of EL23814. Some elevated Ti, but only low levels of Pb and Zn, was detected in these samples.

Two lines of soil samples were analysed on EL25931. Soils over a zone of felsic volcanics / dolerite were rich in Ti and Fe (Figure 4; Photo 2). A single soil sample from EL25931 was submitted to NTEL laboratories, Darwin, as a check against the portable XRF. The assay results confirmed the elevated Fe, but Ti results are still pending. The line sampled to the south-west also detected elevated Zn.

Significant results for samples from EL25931 are presented in Table 1.

Table 1: XRF results of significant soil samples from EL25931

Type	Sample No.	Easting	Northing	Ti (%)	Mn (ppm)	Fe (%)
Soil	BMSL66	418909	8481597	49.5	3558	62.0
Soil	BMSL67	418937	8481569	10.29	3478	25.7
Soil	BMSL68	418963	8481549	19.5	2390	28.8
Soil	BMSL69	418989	8481523	6.3	2024	19.5
Soil	BMSL70	419018	8481494	6.4	2054	22.2
Soil	BMSL71	419054	8481470	46.9	2919	48.5
Soil	BMSL72	419082	8481441	17.3	2419	37.1
Soil	BMSL73	419114	8481405	8.2	2341	21.5
Soil	BMSL74	419137	8481380	12.4	1628	22.6
Soil	BMSL75	419157	8481347	51.6	3497	48.2
Soil	BMSL76	419190	8481314	6.1	2661	21.6
Soil	BMSL77	419223	8481276	9.7	2230	27.3
Soil	BMSL78	419248	8481249	10.8	2772	27.8
Soil	BMSL79	419282	8481212	5.9	1681	18.5
Soil	BMSL80	419310	8481164	6.0	707	16.0
Soil	BMSL81	419250	8481677	20.6	1451	37.1

Photo 2: Sand rich in Ti and Fe

Assay Results

A total of 3 rock chip samples from within EL23814 were collected. These consisted of fault breccias and cherty dolostones with Mn-Zn coating and fracture fill. A single soil sample from within EL25931 was collected as a check against high Ti reported by the portable XRF analysis. None of these samples analysed by the laboratory returned high Pb-Zn values (Table 2). The soil sample analysed by the laboratory does confirm the high Fe detected by the portable XRF. This one sample also had Zn at 510ppm. No assay data for Ti is available at present, but is being re-assayed by the laboratory. Once these results are available they may confirm the high Ti values identified by the portable XRF unit. The elevated Fe and Ti detected in the soils may be related to the Derim Derim Dolerite and may not be related to mineralisation.

Table 2. Assay results for rock chip and soil samples.

Sample No	Type	Mn ppm	Fe %	Pb ppm	Zn ppm
BMRXC1	Rock Chip	2310	3.54	20	20
BMRXC2	Rock Chip	18800	2.80	12	12
BMRXC3	Rock Chip	28400	5.62	18	18
BMSL81	Soil	2990	31.20	28	28

CONCLUSIONS

Only low Pb levels were detected in the geochemical samples collected within the Admiralty Resources tenements. Strong Ti and Fe were detected in the soil samples collected from the south-west of EL25931, associated with outcrop of the Derim Derim Dolerite, with anomalous Zn also detected. Some samples collected from the north-east of EL23814 also returned weakly elevated Ti. This elevated Fe and Ti is possibly related to the Derim Derim dolerite. Further investigation of the anomalous Ti and Fe should be undertaken to identify its relationship with the Derim Derim Dolerite, and whether the elevated soil Ti, Fe, and Zn is prospective.

Based on the geochemistry, the areas within the Admiralty Reources EL's do not appear to be prospective. However, none of these samples were collected from areas proximal to the Bulman Fault. This major basement fault is thought to have been re-activated a number of times throughout the Proterozoic, with a second and third generations of associated faulting identified. The youngest set of faults has been identified as having associated mineralisation. The Bulman Fault has potentially acted as a conduit for mineralising fluids, and may therefore be prospective. Surface geochemical methods may have limited effect in much of this area due to the transported cover, but may be helpful in zones where outcrop can be identified. Geophysical methods such as IP and magnetics may provide a means of identifying any potential targets that may be located along the Bulman Fault.

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Northern Territory Geological Survey Technical Report GS 93/002

APPENDIX 1: Soil and Termite XRF Results at Bulman

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
STR SEDS	BMSS01	23814	437783	8498999		-	19	6274	-	15	11	146	197	42884	855
STR SEDS	BMSS02	23814	436592	8499407		20	-	4373	-	17	13	183	266	12340	199
SOIL	BMSL01		429843	8489547	Silt/Clay	2372	3542	7587	51	5	-	245	1564	24709	-
SOIL	BMSL02	23814	444000	8499900	Silt/Clay	-	-	8950	-	13	9	183	1754	25313	-
SOIL	BMSL03	23814	444000	8500498	Silt/Clay	31	-	21967	-	20	20	272	1467	52753	686
SOIL	BMSL04	23814	445003	8499706	Sand/Silt	-	-	3826	-	6	5	145	-	6051	166
SOIL	BMSL05	23814	445004	8499798	Sand	-	-	5145	-	5	7	212	102	2675	-
SOIL	BMSL06	23814	444989	8499903	Sand	-	-	4537	-	5	-	165	102	3893	-
SOIL	BMSL07	23814	445002	8500003	Sand	-	-	3570	-	-	-	162	-	2728	-
SOIL	BMSL08	23814	445000	8500104	Sand	-	-	4371	-	5	8	166	145	5733	157
SOIL	BMSL09	23814	445002	8500201	Sand	-	20	3719	-	7	-	178	-	11308	224
SOIL	BMSL10	23814	445003	8500295	Sand	27	23	4808	-	5	6	208	-	6173	173
SOIL	BMSL11	23814	445003	8500402	Sand	35	32	3995	-	6	6	227	172	22448	462
SOIL	BMSL12	23814	445000	8500500	Sand	-	10	4603	-	5	-	215	130	5926	155
SOIL	BMSL13	23814	445000	8500599	Sand	-	-	2566	-	3	-	123	-	6198	-
SOIL	BMSL14	23814	445000	8500699	Sand	-	12	5658	-	5	-	180	217	10642	393
SOIL	BMSL15	23814	445000	8500800	Silt/Clay	-	16	6129	-	5	13	233	454	64302	1144
SOIL	BMSL16	23814	445000	8500895	Silt/Clay	-	-	4788	-	6	8	210	159	24740	682
SOIL	BMSL17	23814	445000	8501000	Silt/Clay	-	57	7343	-	6	10	300	319	44528	892
SOIL	BMSL18	23814	445000	8501100	Sand/Silt	-	30	5971	-	8	10	375	176	8539	186
SOIL	BMSL19	23814	444996	8501400	Sand/Silt	-	31	5009	-	-	6	262	179	8566	205
SOIL	BMSL20	23814	444998	8501600	Sand/Silt	47	34	3945	-	9	7	246	1388	12179	-
SOIL	BMSL21	23814	445000	8501700	Sand/Silt	-	11	5002	-	13	-	236	680	9871	-
SOIL	BMSL22	23814	445500	8502200	Sand	-	23	5006	-	4	5	252	150	6311	165
SOIL	BMSL23	23814	445500	8502102	Sand	-	13	2476	-	-	-	190	-	11333	386

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
SOIL	BMSL24	23814	445500	8502001	Sand/Silt	-	22	7040	-	-	5	246	218	53098	1023
SOIL	BMSL25	23814	445500	8501900	Sand	-	38	6134	-	6	7	279	366	19951	-
SOIL	BMSL26	23814	445496	8501798	Sand	-	-	3706	-	-	-	130	-	3567	-
SOIL	BMSL27	23814	445500	8501700	Sand	-	-	3568	-	-	-	169	-	3567	-
SOIL	BMSL28	23814	445500	8501600	Sand	-	-	4114	-	3	4	145	-	5524	-
SOIL	BMSL29	23814	445500	8501500	Sand/Silt	-	-	4931	-	4	-	182	103	6291	-
SOIL	BMSL30	23814	445501	8501400	Silt/Clay	-	21	5366	-	5	7	247	258	7454	-
SOIL	BMSL31	23814	445500	8501300	Sand/Silt	-	24	5298	-	5	-	204	119	10036	212
SOIL	BMSL32	23814	445500	8501200	Sand	-	21	4081	-	5	5	213	265	6083	194
SOIL	BMSL33	23814	445500	8501000	Sand/Silt	21	30	3355	-	5	-	190	603	4015	-
SOIL	BMSL34	23814	445500	8500800	Sand/Silt	-	27	4535	-	9	5	263	-	5078	147
SOIL	BMSL35	23814	445500	8500600	Sand	-	27	5594	-	7	-	212	135	14038	588
SOIL	BMSL36	23814	445500	8500400	Sand	-	-	2475	-	7	8	116	533	3735	-
SOIL	BMSL37	23814	445500	8500200	Sand	-	-	2109	-	4	4	89	153	3126	-
SOIL	BMSL38	23814	444500	8500200	Sand/Silt	-	18	4440	-	8	7	236	269	16228	-
SOIL	BMSL39	23814	444500	8500400	Silt/Clay	28	24	5205	-	9	5	243	978	13167	-
SOIL	BMSL40	23814	444500	8500600	Silt/Clay	-	36	8302	-	36	9	246	2570	27536	-
SOIL	BMSL41	23814	444500	8500800	Silt/Clay	-	53	8747	-	37	10	238	2303	33514	-
SOIL	BMSL42	23814	444500	8501000	Silt/Clay	-	77	8883	-	33	8	261	3259	37532	-
SOIL	BMSL43	23814	444500	8501200	Silt/Clay	-	81	9864	-	40	9	256	2900	47968	-
SOIL	BMSL44	23814	444500	8501400	Silt/Clay	54	147	8561	-	13	14	211	2797	46778	-
SOIL	BMSL45	23814	444500	8501600	Silt/Clay	-	16	10293	-	18	13	255	856	71511	759
SOIL	BMSL46	23814	444500	8501800	Silt/Clay	-	-	17983	-	29	15	279	1920	115715	825
SOIL	BMSL47	23814	444500	8502000	Silt/Clay	43	-	28400	-	27	14	240	2900	127845	1318
SOIL	BMSL48	23814	444500	8502200	Silt/Clay	34	-	29042	-	19	23	211	2065	122198	997
SOIL	BMSL49	23814	437202	8499454	Silt	29	13	12430	-	8	29	341	370	22296	-
SOIL	BMSL50	23814	436999	8499448	Silt	-	22	4558	-	11	33	190	533	40588	978
SOIL	BMSL51	25931	421473	8483035	Silt	-	-	13194	-	13	11	155	815	100583	581
SOIL	BMSL52	25931	421439	8483049	Silt	54	-	42522	71	37	52	255	996	132420	1472

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
SOIL	BMSL53	25931	421415	8483076	Silt	81	-	30545	-	35	48	204	1735	150149	981
SOIL	BMSL54	25931	421384	8483104	Silt	64	-	40764	67	26	39	165	2316	213545	1632
SOIL	BMSL55	25931	421328	8483156	Silt	51	-	19470	56	32	47	233	634	64081	700
SOIL	BMSL56	25931	421271	8483192	Silt	55	-	13804	63	34	37	210	678	65143	895
SOIL	BMSL57	25931	421211	8483238	Silt	50	44	38591	-	44	53	221	6810	411981	4189
SOIL	BMSL58	25931	421181	8483263	Silt	41	-	63193	-	25	42	432	1387	156660	1813
SOIL	BMSL59	25931	421125	8483320	Silt	41	-	69646	-	18	27	466	687	87786	1091
SOIL	BMSL60	25931	421068	8483374	Silt	59	-	40872	-	29	22	375	1626	95711	1525
SOIL	BMSL61	25931	421014	8483432	Silt	50	-	70846	-	23	36	374	916	143744	2264
SOIL	BMSL62	25931	420953	8483480	Silt	30	-	34755	53	18	25	314	838	83678	1430
SOIL	BMSL63	25931	420892	8483534	Silt	56	-	22848	-	21	29	236	1304	81289	1518
SOIL	BMSL64	25931	420840	8483601	Silt	95	-	46914	-	19	43	224	1243	170497	2087
SOIL	BMSL65	25931	420805	8483635	Silt	29	-	29531	104	23	17	240	1549	126466	1910
SOIL	BMSL66	25931	418909	8481597	Sand/Silt	223	-	495382	-	18	12	236	3558	619693	4162
SOIL	BMSL67	25931	418937	8481569	Silt	128	-	102229	-	41	29	311	3478	256919	1980
SOIL	BMSL68	25931	418963	8481549	Silt	220	-	195316	-	37	25	467	2390	287835	3008
SOIL	BMSL69	25931	418989	8481523	Silt	118	-	63079	-	42	21	296	2024	195371	1689
SOIL	BMSL70	25931	419018	8481494	Silt	108	-	64109	-	42	16	326	2054	222360	1827
SOIL	BMSL71	25931	419054	8481470	Silt/Clay	214	-	469238	-	15	15	342	2919	485247	4281
SOIL	BMSL72	25931	419082	8481441	Silt/Clay	122	-	173212	-	22	23	223	2419	371149	3351
SOIL	BMSL73	25931	419114	8481405	Silt/Clay	106	-	81769	-	32	25	328	2341	214637	1804
SOIL	BMSL74	25931	419137	8481380	Silt/Clay	101	26	123550	-	43	39	257	1628	225797	1788
SOIL	BMSL75	25931	419157	8481347	Silt/Clay	317	-	515267	-	-	14	601	3497	482118	3831
SOIL	BMSL76	25931	419190	8481314	Silt/Clay	99	-	61290	-	36	34	329	2661	216379	1973
SOIL	BMSL77	25931	419223	8481276	Silt/Clay	90	-	96580	-	28	16	291	2230	273325	1825
SOIL	BMSL78	25931	419248	8481249	Silt/Clay	82	-	107979	-	31	21	393	2772	278388	2171
SOIL	BMSL79	25931	419282	8481212	Silt/Clay	61	-	58809	-	26	10	291	1681	185029	1057
SOIL	BMSL80	25931	419310	8481164	Silt/Clay	53	-	60353	-	20	10	280	707	160008	1785
SOIL	BMSL81	25931	419250	8481677	Sand/Silt	135	-	206212	-	19	10	191	1451	370915	4006

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
TERMITE	BMTR01		429882	8489509	2052	637	13793	861	50	10	11	338	861	30498	-
TERMITE	BMTR02	23814	444021	8499719	-	-	6401	170	-	17	11	158	170	26113	-
TERMITE	BMTR03	23814	443948	8500054	-	-	12396	344	-	35	8	160	344	29938	-
TERMITE	BMTR04	23814	443945	8500067	-	-	8948	482	-	37	19	161	482	37532	-
TERMITE	BMTR05	23814	443991	8500157	-	-	11564	-	-	-	-	241	-	37447	-
TERMITE	BMTR05	23814	443991	8500157	-	-	16047	267	-	10	15	258	267	49623	-
TERMITE	BMTR06	23814	444001	8500207	-	-	15072	619	-	8	12	251	619	39107	715
TERMITE	BMTR07	23814	444010	8500336	26	-	17820	1855	-	21	31	255	1855	61639	-
TERMITE	BMTR08	23814	444020	8500387	-	-	21113	1108	-	29	14	255	1108	84368	604
TERMITE	BMTR09	23814	444011	8500470	-	-	19595	914	-	11	15	256	914	61659	679
TERMITE	BMTR10	23814	444004	8500635	-	-	19758	-	-	13	13	194	-	61596	620
TERMITE	BMTR11	23814	443988	8500687	-	-	15835	269	-	9	13	183	269	36785	-
TERMITE	BMTR12	23814	443998	8500747	-	-	17768	583	-	10	15	262	583	46537	-
TERMITE	BMTR13	23814	444007	8500897	-	-	17672	1010	-	11	29	203	1010	39487	473
TERMITE	BMTR14	23814	444011	8500994	-	-	22675	723	-	13	13	260	723	63681	-
TERMITE	BMTR15	23814	445000	8500895	-	-	4830	-	-	-	7	7	-	18067	281
TERMITE	BMTR16	23814	439960	8500407	27	-	14088	428	-	29	20	245	428	73338	533
TERMITE	BMTR17	23814	439811	8500607	-	-	14460	-	-	9	20	191	-	68549	-
TERMITE	BMTR18	23814	437720	84992234	-	-	4641	-	-	27	29	255	-	20571	-
TERMITE	BMTR19	23814	437542	8499436	-	13	4904	402	-	26	58	262	402	18737	-
TERMITE	BMTR20	23814	436894	8499455	-	13	3878	220	-	16	16	244	220	8281	219
TERMITE	BMTR21	23814	436795	8499437	-	25	4672	-	-	17	23	290	-	9267	-
TERMITE	BMTR22	23814	436704	8499429	-	15	5513	-	-	13	15	228	-	13996	-
TERMITE	BMTR23	23814	436635	8436634	30	-	4376	-	-	22	30	229	-	13787	-
TERMITE	BMTR24	23814	436496	8499393	29	12	5109	157	-	23	27	192	157	18387	289
TERMITE	BMTR25	23814	436418	8499444	-	-	3739	187	-	24	24	206	187	12205	-
TERMITE	BMTR26	23814	436297	8499447	29	22	4155	202	-	24	27	251	202	11054	172
TERMITE	BMTR27	23814	436377	8499594	40	-	3614	267	-	26	21	177	267	17637	247
TERMITE	BMTR28	23814	436485	8499646	-	-	3888	-	-	19	20	242	-	12631	-

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
TERMITE	BMTR29	23814	436586	8499652	24	16	4111	-	-	22	21	208	-	12145	-
TERMITE	BMTR30	23814	436742	8499737	-	12	6447	-	-	20	25	309	-	9213	-
TERMITE	BMTR31	23814	436882	8499806	-	12	4825	179	-	19	31	212	179	11355	203
TERMITE	BMTR32	23814	437011	8499771	19	16	4927	-	-	17	22	186	-	17806	267
TERMITE	BMTR33	23814	437181	8499844	23	18	7481	246	-	22	22	216	246	23352	-
TERMITE	BMTR34	23814	437324	8499732	28	29	7471	231	-	21	27	192	231	47322	-
TERMITE	BMTR35	23814	437550	8499473	-	16	5090	667	-	22	58	235	667	9633	-
TERMITE	BMTR36		433094	8492795	217	134	7268	507	-	42	12	327	507	21145	346
TERMITE	BMTR37		433134	8492765	412	205	5555	997	-	44	8	343	997	24352	301
TERMITE	BMTR38		433199	8492763	742	396	10271	2820	-	42	11	311	2820	33394	-
TERMITE	BMTR39		433238	8492739	315	201	11772	1444	45	43	13	323	1444	31324	360
TERMITE	BMTR40		433259	8492738	239	156	21147	1502	120	44	12	433	1502	53123	581
TERMITE	BMTR41		433296	8492726	134	114	17810	669	64	30	11	397	669	33513	-
TERMITE	BMTR42		433337	8492663	274	80	14289	244	49	49	11	303	244	39658	-
TERMITE	BMTR43		433410	8492594	227	158	15805	1883	100	44	17	356	1883	51842	472
TERMITE	BMTR44		433478	8492609	251	168	7167	1652	-	44	12	379	1652	26781	310
TERMITE	BMTR45		433443	8492703	205	137	5127	263	-	50	13	324	263	21587	-
TERMITE	BMTR46		433439	8492764	205	107	5366	731	-	61	10	373	731	17686	-
TERMITE	BMTR47		433422	8492854	220	89	4593	132	-	43	10	308	132	17121	236
TERMITE	BMTR48		433404	8492912	225	167	4838	651	-	40	-	292	651	23606	-
TERMITE	BMTR49		433385	842920	224	157	4585	579	-	43	9	294	579	22004	-
TERMITE	BMTR50		433370	8492887	224	139	4637	421	-	48	8	267	421	21126	298
TERMITE	BMTR51		433344	8492935	212	258	5016	1142	-	33	10	289	1142	14086	-
TERMITE	BMTR52		433219	8493065	85	84	11832	1186	-	43	18	251	1186	26140	364
TERMITE	BMTR53		433201	8492770	309	164	17913	839	108	42	15	414	839	50313	702
TERMITE	BMTR54		433190	8492776	243	210	14190	2487	91	38	7	334	2487	36953	-
TERMITE	BMTR55		433186	8492795	236	167	19823	1593	119	41	15	371	1593	55653	415
TERMITE	BMTR56		433180	8492806	188	120	25874	768	100	37	18	440	768	61863	967
TERMITE	BMTR57		433180	8492787	355	133	18750	434	78	43	10	392	434	48911	464

Type	Sample No.	EL No	East MGA94, Zn53	North MGA94, Zn53	Texture	Zn (ppm)	Pb (ppm)	Ti (ppm)	Cu (ppm)	Rb (ppm)	Sr (ppm)	Zr (ppm)	Mn (ppm)	Fe (ppm)	Co (ppm)
TERMITE	BMTR58		433170	8492770	716	214	6565	734	-	37	12	289	734	19227	-
TERMITE	BMTR59		433174	8492767	946	198	9053	868	52	44	8	301	868	33181	539
TERMITE	BMTR60		433180	8492758	961	341	9421	1759	-	37	9	331	1759	23057	338
TERMITE	BMTR61		433191	8492752	1504	417	9221	2166	-	45	9	333	2166	32033	-
TERMITE	BMTR62		433199	8492751	875	278	5734	475	-	30	13	264	475	19743	-
TERMITE	BMTR63		433214	8492752	411	306	11631	2675	53	52	11	301	2675	41700	492
TERMITE	BMTR64		433226	8492747	307	249	13948	2446	52	50	10	317	2446	41089	618

- = Below detection
Note: Most other elements returned below detection for all samples
Samples BMTR36 to BMTR64 were collected from outside of EL23814

APPENDIX 2: Rock chip XRF results

Type	Sample No.	Lithology	East MGA94, Zn53	North MGA94, Zn53	Zn (ppm)	Pb (ppm)	Ti (ppm)	Mn (ppm)	Fe (ppm)
ROCK	BMRX01	Carbonate near Galena old workings	429843	8489547	1380	1254	-	-	9950
ROCK	BMRX02	Siliceous carbonate	429886	8489497	30	13	-	-	1937
ROCK	BMRX03	Siliceous carbonate	429807	8489509	23	-	-	-	1418
ROCK	BMRX04	Conglomerate breccia with dolostone/chert fragments(angular)	437804	8498976	41	-	-	572	1969
ROCK	BMRX05	Siliceous carbonate	437804	8498974	-	44	-	-	7595
ROCK	BMRX06	dolostone	444014	8499766	-	-	-	-	646
ROCK	BMRX07	Fe concretions on the surface	444001	8500813	-	67	34013	4260	433821
ROCK	BMRX08	Weathered dolostone	445002	8501202	-	30	-	163	15859
ROCK	BMRX09	Weathered dolostone	444999	8501302	-	18	1685	-	37539
ROCK	BMRX10	Light grey colour dolostone	445001	8501501	-	-	1003	-	678
ROCK	BMRX11	Thin carbonate on dolostone, red-brown rich in Fe.	437126	8499463	200	44	6020	2391	334384
ROCK	BMRX12	Thin carbonate on dolostone, red-brown rich in Fe.	437126	8499463	-	-	2181	-	45362
ROCK	BMRX13	Dolostone with clay rich pockets, dolostone breccia(possible reworked deposition of dolostone)	437096	8499465	73	21	2035	240	42553
ROCK	BMRX14	Fault Breccia with Chert/dolostone angular fragments cemented by siderite	436944	8499479	99	22	1884	-	140839
ROCK	BMRX14a	Fault Breccia with Chert/dolostone angular fragments cemented by siderite	436944	8499479	75	-	-	-	73739
ROCK	BMRX14b	Fault Breccia with Chert/dolostone angular fragments cemented by siderite	436944	8499479	98	-	1503	-	35794
ROCK	BMRX14c	Dolostone with layers rich in Mn	436944	8499479	181	-	-	395674	31946
ROCK	BMRX14d	Dolostone with layers rich in Mn	436944	8499479	508	-	-	329843	45477
ROCK	BMRX14e	Dolostone with layers rich in Mn	436944	8499479	370	-	-	508177	33850
ROCK	Test Rock	Float in a creek	437011	8499771	1606	449	17463	67469	1584207
ROCK	BMRX16	Dolostone	437048	8499858	57	-	-	-	28050
ROCK	BMRX16a	Dolostone Breccia	437048	8499858	96	-	3179	307	34191
ROCK	BMRX15	Calcareous siltstone	436634	8499432	-	-	-	-	507
ROCK	BMRX15a	Calcareous siltstone	436634	8499432	-	-	-	-	1895
ROCK	BMRX17	Felsic Volcanics (Rhyolite?)	431439	8483027	68	-	15370	495	114416
ROCK	BMRX17a	Felsic Volcanics (Rhyolite?)	431439	8483027	80	-	17981	3528	134293
ROCK	BMRX18	Felsic Volcanics (Rhyolite?)	419137	8481380	146	-	28821	910	103805

- = Below detection

Note: Most other elements returned below detection for all samples