



Final Surrender Report

Exploration Licence 330

Holder: Merlin Diamonds Limited

Operator: Merlin Diamonds Limited

Reporting Period: 30th March 2009 to 22nd March 2013

Sheet Reference: Mt Marumba (SD-5306) & Blue Mud Bay (SD5307) 1:250,000

Due Date: 26th April 2013

Author:	M Kammermann
Date:	26 th April 2013
Report No:	13-010
Copies To:	Dept. Mines & Energy - NT MDL
The contents of this Report remain the property of Merlin Diamonds Limited and may not be published in whole or in part, nor used in a company report without the written consent of the company	

TABLE OF CONTENTS

LIST OF FIGURES.....	1
SUMMARY.....	2
1.0 INTRODUCTION.....	3
2.0 LOCATION AND ACCESS.....	3
3.0 LICENCE DETAILS.....	3
4.0 GEOLOGY.....	3
5.0 EXPLORATION.....	4
6.0 EXPENDITURE.....	6
7.0 CONCLUSION.....	6
8.0 REFERENCES.....	7

LIST OF TABLES

Table 1	Licence Details
Table 2	2009-2010 Sample Data
Table 3	2010-2011 Sample Data
Table 4	2010-2011 Geochem Data
Table 5	2011-2012 Sample Data
Table 6	2011-2012 Geochem Data
Table 7	2012-2013 Sample Data
Table 8	2012-2013 Geochem Data

LIST OF FIGURES

Figure 1	Location Map
Figure 2	Sample Location Map

SUMMARY

This Final Surrender Report outlines exploration activities undertaken by Merlin Diamonds Limited on Exploration Licence 330 between the 30th March 2009 and 22nd March 2013.

Exploration Licence 330 is situated on the Mt Marumba (SE53-06) and Blue Mud Bay (SE5307) 1:250,000 map sheets, and Fleming and Annie Creek 1:100,000 topographic map sheets in the Northern Territory.

Exploration completed over the licence included collection of stream gravel, loam and stream geochemical samples for diamond exploration and other commodities. No anomalous results were reported for either diamonds or other commodities. It is considered that sufficient samples have been collected to conclude the prospectivity is low and the licence was recommended for surrender.

Total expenditure for the Licence amounted to \$233,302.81.

1.0 INTRODUCTION

This report outlines exploration activities undertaken by Legend Merlin Diamonds Limited on Exploration Licence 330 between 30th March 2009 and 22nd March 2013.

2.0 LOCATION AND ACCESS

Exploration Licence 330 is situated on the Mt Marumba (SE53-06) and Blue Mud Bay (SE5307) 1:250,000 map sheets, and Fleming and Annie Creek 1:100,000 topographic map sheets in the Northern Territory.

3.0 LICENCE DETAILS

EL 330 consists of 126 blocks, and was granted to North Australian Diamonds Ltd on 30th March 2009 for six years. A Waiver of Reduction was submitted in February 2012 to retain all blocks. The Tenement details are outlined in Table 1 below.

Table 1: Licence Details for EL330.

Name	Status	Effective Date	Grant Date	Expiry Date	Holder
EL330	Granted	30/3/2009	30/3/2009	29/3/2015	Merlin Diamonds Limited

4.0 GEOLOGY

The licence is located within the North Australian Craton on the tectonically stable Arnhem Shelf, that part of the northwestern McArthur Basin characterised by comparatively mild deformation. The shelf forms the western flank to the Walker Fault Zone and more locally the Parsons Range Fault Zone. The Walker Fault Zone is a northtrending fault zone up to 80km wide and several hundred kilometres long and extends south to meet the Batten Fault Zone that is associated with the economic diamond-bearing kimberlites of the Merlin Kimberlite Field and the more recent Abner Range discovery.

The licence is located in a region that has tectonic and structural similarities with known kimberlite occurrences on the North Australian Craton. The oldest rocks in EL330 are Mesoproterozoic age and include sandstones, quartzarenites and siltstones of the Roper Group. The sediments unconformably overly basement rocks, which do not crop out within the license area but are presumed to include the metasedimentary succession of the Pine Creek Geosyncline and associated igneous intrusives. Minor flood plain and swamp deposits containing sand, silt and gravel lie in the northern area of the licence. The

remainder of the licence is covered by Cainozoic deposits containing ferruginous and cemented sand, silt and clay.

Geophysics

Airborne regional data was acquired in the late 1980's and early 1990's during surveys contracted to the NTGS and include the 'Milingimbi', 'Marumba', and 'Mitchell Range' surveys. Magnetic and gamma-ray spectrometry datasets were collected along east-west flight lines spaced at 500m apart and flown at a height of 100m above the ground.

Magnetic data clearly highlights prominent features such as faults and several mapped dolerite dykes that appear as bull's-eye anomalies. Review of the regional datasets did not identify any targets for immediate follow-up. In addition regional gravity surveys were conducted by Australian Geological Survey Organization (AGSO). The gravity measurements are at 11 km station spacing and therefore do not provide useful information for near surface geological interpretation.

5.0 EXPLORATION

A review of the Northern Territory Geological Survey (NTGS) database indicates that no exploration activity had been completed on EL330 prior to activity by Merlin Diamonds Limited. The closest diamond exploration to either licence includes five stream gravel samples collected adjacent to the northern boundary of EL3336 by DBAE in 2001, which reported negative results for diamonds and indicator minerals. More intense diamond exploration has been undertaken within 50km of the licence with numerous chromites, microdiamonds and pyropes recovered from stream gravel samples collected by Normandy Mining Limited, Stockdale Prospecting Limited (DBAE subsidiary) and DBAE. These results provide encouragement and highlight the potential for a kimberlite source to exist in the region.

2009-2010

Work during the reporting period 2009-2010 comprised the collection of 21 loam and 1 stream sample for diamond exploration. No positive results were reported. The sample results are shown in Table 2.

2010-2011*Diamonds*

Work undertaken during the current reporting period comprised of the collection of 18 stream gravel samples for diamond exploration. The gravel samples were collected from trap sites within current drainages and were generally sieved to -1mm with a total of 40kg of -1mm material collected. These samples were processed through the company's heavy mineral laboratory in Perth and returned 17 negative results and 1 positive chromite result. The chromite was not determined to be of kimberlitic origin. The sample results are shown in Table 3.

Other Minerals

A total of 17 reconnaissance stream sediment samples were taken to test for base metal and uranium mineralization. The samples were collected from the active part of the drainage and sieved in the field to -200 microns. The samples were analysed by the Genalysis Laboratory in Townsville. Results are shown in Table 4. No results of interest were noted.

2011-2012

During the 2011-2012 reporting period 11 stream gravel samples were collected and sent to the company laboratory in Perth for processing and heavy mineral analysis. These samples returned two positive results with a total of 4 chromite grains. The chromites were described by the mineralogist as being of common origin and not likely to be from a kimberlite source. The details for these samples are shown in Table 5. A total of 10 samples were also collected for geochemical analysis. The results for these samples are shown in Table 6. No anomalous results were reported.

2012-2013

During the 2012-2013 reporting period 10 stream gravel samples were collected and sent to the company laboratory for processing and heavy mineral analysis. The samples returned three positive results with a total of 10 chromite grains. The chromites were described by the mineralogist as being of common origin and not likely to be from a kimberlite source. The details for these samples are shown in Table 7. A total of 10 stream geochemical were also collected for geochemical analysis and the results for these samples are shown in

Table 8. No anomalous results were reported.

6.0 EXPENDITURE

Exploration expenditure on the tenement between 30th March 2009 and 22nd March 2013 totalled \$233,302.81 as per the breakdown below.

YEAR	EXPENDITURE
Year 1 2009-2010	\$20,368
Year 2 2010-2011	\$33,356.20
Year 3 2011-2012	\$62,959.26
Year 4 2012-2013	\$116,619.35
Total	\$233,302.81

7.0 CONCLUSION

Exploration completed over the licence included collection of stream gravel, loam and stream geochemical samples for diamond exploration and other commodities. No anomalous results were reported for either diamonds or other commodities. It is considered that sufficient samples have been collected to conclude the prospectivity is low and the licence was recommended for surrender.

8.0 REFERENCES

Haines P W, Rawlings D J, Sweet I P, Pietsche B A, Plumb K A, Madigan T L & Krassay A A. 1998. Blue Mud Bay SD53-07 1:250,000: Explanatory Notes, *Northern Territory Geological Survey, Darwin*.

Sweet I P, Brakel, A T, Rawlings, D J, Haines, P W, Plumb, K A & Wygralak, A S, 1999, Mt Marumba SD53-06 1:250,000: Explanatory Notes, *Northern Territory Geological Survey, Darwin*.

Reddicliffe, TH. (2010) Annual Report for the Period 30th March 2009 to 29th March 2010, NADL, Ref: 10-009.

Reddicliffe, TH. (2011) Annual Report for the Period 30th March 2010 to 29th March 2011, NADL, Ref: 11-022.

Kammermann, M. (2012) Annual Report for the Period 30th March 2011 to 29th March 2012, NADL, Ref: 12-023.

Table 2. 2009-2010 Sample Results

SAMPLE	TYPE	TENEMENT	EASTING	NORTHING	DATUM	ZONE	RESULTS	CHROMITE	DIAMOND
AL-005	LOAM	EL330	500878	8553522	GDA94	53	NEGATIVE	0	0
AL-006	LOAM	EL330	498570	8551410	GDA94	53	NEGATIVE	0	0
AL-007	LOAM	EL330	499430	8548007	GDA94	53	NEGATIVE	0	0
AL-008	LOAM	EL330	498609	8547224	GDA94	53	NEGATIVE	0	0
AL-009	LOAM	EL330	501777	8548437	GDA94	53	NEGATIVE	0	0
AL-010	LOAM	EL330	505181	8548945	GDA94	53	NEGATIVE	0	0
AL-011	LOAM	EL330	506550	8548202	GDA94	53	NEGATIVE	0	0
AL-012	LOAM	EL330	503694	8543547	GDA94	53	NEGATIVE	0	0
AL-013	LOAM	EL330	507724	8543390	GDA94	53	NEGATIVE	0	0
AL-014	LOAM	EL330	510149	8543156	GDA94	53	NEGATIVE	0	0
AL-015	LOAM	EL330	511909	8545268	GDA94	53	NEGATIVE	0	0
AL-016	LOAM	EL330	513709	8541317	GDA94	53	NEGATIVE	0	0
AL-017	LOAM	EL330	517230	8541826	GDA94	53	NEGATIVE	0	0
AL-018	LOAM	EL330	516604	8536779	GDA94	53	NEGATIVE	0	0
AL-019	LOAM	EL330	512887	8538148	GDA94	53	NEGATIVE	0	0
AL-020	LOAM	EL330	507098	8540848	GDA94	53	NEGATIVE	0	0
AL-021	LOAM	EL330	505611	8539361	GDA94	53	NEGATIVE	0	0
AL-022	LOAM	EL330	503851	8536662	GDA94	53	NEGATIVE	0	0
AL-023	LOAM	EL330	503421	8535371	GDA94	53	NEGATIVE	0	0
AL-024	LOAM	EL330	502912	8533767	GDA94	53	NEGATIVE	0	0
AL-025	LOAM	EL330	502169	8533141	GDA94	53	NEGATIVE	0	0
AL-026A	STREAM	EL330	501308	8531498	GDA94	53	NEGATIVE	0	0

Table 3. 2010-2011 Sample Results

SAMPLE	TYPE	TENEMENT	EASTING	NORTHING	DATUM	ZONE	RESULTS	CHROMITE	DIAMOND
AL-027	STREAM	EL330	497557	8554694	GDA94	53	NEGATIVE	0	0
AL-028	STREAM	EL330	502012	8554959	GDA94	53	NEGATIVE	0	0
AL-029	STREAM	EL330	507010	8550758	GDA94	53	NEGATIVE	0	0
AL-030	STREAM	EL330	496493	8550310	GDA94	53	NEGATIVE	0	0
AL-031	STREAM	EL330	499128	8541836	GDA94	53	POSITIVE	2	0
AL-032	STREAM	EL330	507537	8550462	GDA94	53	NEGATIVE	0	0
AL-033	STREAM	EL330	500511	8540886	GDA94	53	NEGATIVE	0	0
AL-034	STREAM	EL330	509973	8545714	GDA94	53	NEGATIVE	0	0
AL-035	STREAM	EL330	502232	8539567	GDA94	53	NEGATIVE	0	0
AL-036	STREAM	EL330	503389	8538268	GDA94	53	NEGATIVE	0	0
AL-037	STREAM	EL330	503284	8537967	GDA94	53	NEGATIVE	0	0
AL-038	STREAM	EL330	498779	8539538	GDA94	53	NEGATIVE	0	0
AL-039	STREAM	EL330	498857	8535523	GDA94	53	NEGATIVE	0	0
AL-041	STREAM	EL330	514745	8538747	GDA94	53	NEGATIVE	0	0
AL-042	STREAM	EL330	515186	8544748	GDA94	53	NEGATIVE	0	0
AL-043	STREAM	EL330	515804	8544710	GDA94	53	NEGATIVE	0	0
AL-044	STREAM	EL330	510070	8545404	GDA94	53	NEGATIVE	0	0
EL330 BS	STREAM	EL330	498481	8540505	GDA94	53	NEGATIVE	0	0

Table 4. 2010-2011 Geochem Results

ELEMENTS	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
DETECTION	0.002	0.1	50	1	1	0.5	0.05	50	0.05	0.1	2	0.1	1	0.01	0.1
METHOD	FA25N/O E	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS
SAMPLE NUMBERS															
10-109-002	X	X	6777	X	55	X	0.17	285	X	1.5	11	0.8	4	0.76	1.8
10-109-003	X	X	13131	1	45	0.6	0.22	2459	X	3.1	15	2.2	6	0.88	3.4
10-109-004	X	X	14463	X	43	0.6	0.17	978	X	2.7	17	1.6	5	0.89	3.9
10-109-005	X	X	8750	2	80	X	0.18	111	X	1.6	13	1.3	5	0.87	2.7
10-109-006	X	X	17834	2	107	0.8	0.32	109	0.08	3.6	18	2.8	8	1.07	5
10-109-007	X	X	7137	1	43	X	0.21	68	X	1.7	17	1	5	0.92	2.3
10-109-008	0.003	X	38092	2	144	2.2	0.43	409	0.05	7.1	31	6.5	11	2.01	9.5
10-109-009	X	X	10951	2	52	X	0.24	148	X	3.7	29	1.5	6	1.17	3.6
10-109-010	X	X	39368	2	167	2	0.43	970	0.12	9.1	47	5.3	18	2.34	10.4
10-109-011	X	X	20296	2	81	0.7	0.28	225	0.07	5.8	26	2.5	10	1.61	5.5
10-109-012	X	X	14888	1	49	0.6	0.21	120	0.06	4	30	1.9	8	1.17	4.5
10-109-014	X	X	26289	2	135	1.1	0.38	320	X	7	27	4.9	10	1.74	7.3
10-109-015	X	X	16290	1	84	0.7	0.3	125	0.08	4	26	2.7	9	1.48	4.5
10-109-016	X	X	22458	X	114	1.1	0.37	211	0.14	7	33	4.1	8	1.52	6.2
10-109-017	X	X	21248	2	114	1.1	0.32	159	X	5.9	24	3.8	10	1.61	5.9
10-109-018	X	X	29112	X	116	1	0.31	944	X	7.7	34	4.5	13	1.52	7.6
10-109-019	0.057	X	17919	X	58	0.6	0.35	113	0.1	3	34	2.7	8	1.32	5

ELEMENTS	Ge	Hf	In	K	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

DETECTION	0.1	0.1	0.05	20	0.1	20	1	0.1	20	0.1	1	10	1	0.002	0.005
METHOD	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	FA25N/O E	FA25N/O E
SAMPLE NUMBERS															
10-109-002	0.5	1.6	X	366	7.2	530	73	0.4	2627	5.7	1	39	1	X	X
10-109-003	0.9	1.3	X	1239	14.9	1558	112	0.4	176	3.8	3	34	3	X	X
10-109-004	1.1	1.4	X	1278	15.7	1216	97	0.5	241	4.3	4	37	3	X	X
10-109-005	0.7	1.2	X	1730	7.5	494	53	0.6	161	3	3	40	X	X	X
10-109-006	1	2.8	X	4699	14.3	906	56	0.5	166	6.1	4	55	3	X	X
10-109-007	0.7	2.3	X	1202	8.5	298	61	0.4	86	4.3	2	33	1	X	X
10-109-008	1.2	3.3	X	6857	29.5	1666	151	0.8	229	9.1	10	125	15	X	X
10-109-009	0.7	1.8	X	1427	10.6	486	232	0.7	95	8.7	4	51	4	X	X
10-109-010	1.3	4.3	0.05	6146	28.3	1467	475	0.9	296	17.4	10	213	14	X	X
10-109-011	1	3.1	X	1890	14.3	761	203	0.6	224	8.1	6	89	5	X	X
10-109-012	0.8	2.1	X	1412	11.5	427	187	0.7	106	6	5	60	7	X	X
10-109-014	1.1	2.6	X	5323	19.9	1470	149	0.5	239	7.4	7	66	4	X	X
10-109-015	0.9	3.8	X	3245	14	796	135	0.9	193	7.1	5	62	5	X	X
10-109-016	1	5.3	X	4638	17.5	1374	210	0.6	193	8.6	6	60	4	X	X
10-109-017	0.9	3	X	5133	17.4	1344	163	0.7	218	6.1	6	64	4	X	X
10-109-018	0.9	2.7	X	4081	19.1	1027	276	0.7	248	10.6	8	145	12	X	X
10-109-019	0.9	4.8	X	2005	14.5	684	97	0.7	122	9.4	4	50	5	X	X

ELEMENTS	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

DETECTION	0.1	0.05	50	0.1	1	1	0.1	0.5	0.05	0.1	0.05	5	0.02	0.05	1
METHOD	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE
SAMPLE NUMBERS															
10-109-002	4.4	X	92	0.2	2	X	0.9	8.4	0.3	X	3.43	1929	X	0.12	25
10-109-003	17.9	X	X	0.2	3	X	0.9	7.4	0.18	X	4.14	1272	0.08	0.07	20
10-109-004	17.1	X	52	0.2	3	X	1	5.5	0.21	X	3.76	1418	0.06	X	23
10-109-005	15.2	X	60	0.2	2	X	0.8	7.9	0.09	X	2.38	903	0.04	X	23
10-109-006	37.4	X	X	0.3	4	X	1.2	12.7	0.39	X	5.1	1642	0.13	0.45	23
10-109-007	12.8	X	X	0.3	2	X	0.8	4.8	0.16	X	3.23	1373	0.03	0.07	18
10-109-008	79.9	X	200	0.4	8	X	2.3	16.9	0.76	X	9.45	2532	0.35	1.44	42
10-109-009	19	X	50	0.3	3	X	1.2	5.7	1.16	X	4.25	3847	0.09	0.2	33
10-109-010	71.2	X	399	0.6	13	X	2.7	26.1	1.31	X	15.21	5640	0.29	2.47	65
10-109-011	27.1	X	71	0.3	6	X	1.4	10.4	0.51	X	6.5	3593	0.12	0.56	47
10-109-012	21.2	X	X	0.3	4	X	1	7.5	0.28	X	4.89	2346	0.07	0.88	35
10-109-014	56.2	X	78	0.4	5	X	1.5	15.9	0.43	X	6.94	2027	0.22	0.73	34
10-109-015	32.5	X	73	0.4	4	X	1.3	10.4	0.39	X	5.52	2189	0.12	0.56	25
10-109-016	46	X	63	0.4	5	X	1.5	13.3	0.53	X	7.17	2487	0.19	0.88	31
10-109-017	47.4	X	65	0.4	4	X	1.3	13.5	0.36	X	5.91	1724	0.18	0.56	30
10-109-018	47.9	X	209	0.3	7	X	1.7	19.9	1.4	X	8.29	3154	0.22	0.94	42
10-109-019	27.9	X	X	0.4	5	X	1.3	9.7	0.65	X	8.04	3039	0.09	0.83	41

ELEMENTS	W	Y	Zn	Zr
UNITS	ppm	ppm	ppm	ppm

DETECTION	0.1	0.1	1	0.5
METHOD	4A/MS	4A/MS	4A/OE	4A/MS
SAMPLE NUMBERS				
10-109-002	0.7	5.6	3	58.9
10-109-003	0.5	5.8	6	46.6
10-109-004	0.6	6.5	5	51.5
10-109-005	0.4	3.8	6	42.2
10-109-006	1	9.5	10	103
10-109-007	0.6	5.4	5	78.1
10-109-008	1.5	15.5	15	110.7
10-109-009	0.8	6.2	7	65.1
10-109-010	2.4	28.6	19	152.4
10-109-011	0.9	10.8	8	109.4
10-109-012	0.8	7	6	79.2
10-109-014	1.1	10.9	10	89.6
10-109-015	1.1	9.3	9	138.5
10-109-016	1.2	13.7	9	187
10-109-017	1	9.8	9	108
10-109-018	1.4	13.8	15	92.4
10-109-019	1.3	12.1	7	164.4

Table 5. 2011-2012 Sample Details

SAMPLE	TYPE	TENEMENT	EASTING	NORTHING	ZONE	DATUM	RESULTS	DIAMOND	CHROMITE
11-017-001	STREAM GRAVEL	EL330	501995	8533070	53	GDA94	NEGATIVE	0	0
11-017-002	STREAM GRAVEL	EL330	502912	8535579	53	GDA94	NEGATIVE	0	0
11-017-003	STREAM GRAVEL	EL330	502643	8533938	53	GDA94	NEGATIVE	0	0
11-017-004	STREAM GRAVEL	EL330	503792	8536618	53	GDA94	NEGATIVE	0	0
11-017-005	STREAM GRAVEL	EL330	504763	8538506	53	GDA94	NEGATIVE	0	0
11-017-006	STREAM GRAVEL	EL330	504224	8540261	53	GDA94	NEGATIVE	0	0
11-017-007	STREAM GRAVEL	EL330	502505	8542023	53	GDA94	NEGATIVE	0	0
11-017-008	STREAM GRAVEL	EL330	500198	8543743	53	GDA94	NEGATIVE	0	0
11-017-009	STREAM GRAVEL	EL330	502438	8547543	53	GDA94	POSITIVE	0	3
11-017-010	STREAM GRAVEL	EL330	499464	8547919	53	GDA94	POSITIVE	0	1
11-017-011	STREAM GRAVEL	EL330	498921	8551535	53	GDA94	NEGATIVE	0	0

Table 6. 2011-2012 Geochem Sample Results

ELEMENTS	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Ge
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
DETECTION	1	0.1	50	1	1	0.5	0.05	50	0.05	0.1	5	0.1	1	0.01	0.1	0.1
METHOD	FA25/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	4A/MS
SAMPLE NUMBERS																
11-106-001	2	0.2	54472	3	218	2.9	0.46	278	X	14.2	52	9	12	3.7	12.7	1.6
11-106-002	2	X	58724	3	321	2.9	0.41	313	X	15.3	108	10.1	15	2.85	13.9	1.7
11-106-003	X	X	93072	1	296	4	0.57	105	X	17	40	18.1	20	1.96	24.5	2.2
11-106-004	X	X	38890	1	271	2.6	0.39	155	X	7.8	115	6.3	13	1.49	9.6	1.3
11-106-005	2	X	41830	3	261	2.3	0.39	283	X	12.7	56	7.2	12	2.85	9.8	1.4
11-106-006	X	X	62777	4	446	2.8	0.46	168	X	15.5	65	10.4	17	3.64	14.7	1.8
11-106-007	X	X	37667	2	245	1.7	0.32	267	X	10.4	34	6.5	12	2.07	9.4	1.6
11-106-008	X	X	39788	1	176	2.2	0.41	162	X	9.4	130	5.9	13	2.07	9.4	1.5
11-106-009	1	X	67626	3	184	2.7	0.47	158	X	15.2	36	9.9	13	3.34	15	1.7
11-106-010	X	X	38008	3	266	2.3	0.34	489	X	8	98	5.8	13	1.79	9.4	1.5

ELEMENTS	Hf	In	K	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re
----------	----	----	---	----	----	----	----	----	----	----	---	----	----	----	----	----

UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm
DETECTION	0.1	0.05	20	0.1	20	1	0.1	20	0.1	1	50	1	1	1	0.1	0.05
METHOD	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	FA25/MS	FA25/MS	4A/MS	4A/MS
SAMPLE NUMBERS																
11-106-001	6.7	X	11637	27	2716	203	0.6	416	12.1	8	236	18	X	X	100.5	X
11-106-002	6.4	0.05	14170	34.7	3027	254	0.6	539	12.6	13	188	14	X	X	119.2	X
11-106-003	6.9	0.08	20195	60.7	3957	84	0.4	433	16.2	20	207	17	X	X	172.1	X
11-106-004	8.9	X	13785	26.6	1909	133	0.5	459	16.7	7	113	11	X	X	94.1	X
11-106-005	7.2	X	14003	25.3	2591	304	0.4	462	12	8	154	10	X	X	95.8	X
11-106-006	5.4	0.06	15342	38.9	4651	130	0.4	1008	9.7	15	137	13	X	X	135.4	X
11-106-007	4.7	X	12350	27.3	2056	186	0.3	419	9.7	7	114	12	X	X	95.2	X
11-106-008	6	0.05	7674	31.4	1329	238	0.6	277	11.8	9	120	13	X	X	74.4	X
11-106-009	5.4	0.07	9388	47.6	2362	350	0.7	301	11.3	14	166	12	X	X	109.6	X
11-106-010	4.4	X	9734	26.9	1817	442	0.5	400	11.7	9	138	14	X	X	91.5	X

ELEMENTS	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION	50	0.1	1	1	0.1	0.5	0.05	0.1	0.05	5	0.02	0.05	1	0.1	0.1	1
METHOD	4A/OE	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE
SAMPLE NUMBERS																
11-106-001	277	0.5	10	X	2.9	42.2	0.99	X	14.65	3830	0.52	3.15	63	1.9	24.7	16
11-106-002	131	0.4	11	X	3.1	40.4	1.02	X	15.5	3823	0.54	3.37	56	2.1	28.5	16
11-106-003	106	0.5	16	X	5.5	56.9	1.37	X	19.37	4399	0.97	4.27	66	3.3	28.9	16
11-106-004	57	0.5	11	X	2.5	33	1.3	X	15.23	4852	0.43	3.5	38	2.8	34.1	10
11-106-005	158	0.5	9	X	2.3	34	0.98	X	12.32	3519	0.44	2.65	44	2.1	25.2	14
11-106-006	89	0.6	11	X	2.8	37.2	0.8	X	13.97	3001	0.6	3.13	60	1.9	23.1	18
11-106-007	83	0.4	7	X	2	27.4	0.77	X	10.94	2881	0.46	2.36	37	1.5	19.5	14
11-106-008	84	0.4	10	X	2.4	20	0.96	X	14.18	3986	0.38	3.06	48	1.8	25.8	8
11-106-009	122	0.4	13	X	3.1	27.6	0.92	X	15.84	3827	0.53	3.29	64	1.9	26.1	11
11-106-010	125	0.4	8	X	2.5	22.6	0.93	X	12.19	3679	0.42	2.84	40	1.7	22.5	9

ELEMENTS	Zr
UNITS	ppm
DETECTION	0.5
METHOD	4A/MS
SAMPLE NUMBERS	
11-106-001	243
11-106-002	226.4
11-106-003	237.4
11-106-004	322.3
11-106-005	258.5
11-106-006	185.9
11-106-007	159.4
11-106-008	209.2
11-106-009	187.9
11-106-010	149.5

Table 7. 2012-2013 Sample Data

SAMPLE	TYPE	EASTING	NORTHING	DATUM	ZONE	RESULTS	DIAMONDS	CHROMITES
12-012-001	STREAM	522903	8535767	GDA94	53	NEGATIVE	0	0
12-012-002	STREAM	521892	8537206	GDA94	53	POSITIVE	0	8
12-012-003	STREAM	516409	8536901	GDA94	53	NEGATIVE	0	0
12-012-004	STREAM	512822	8538195	GDA94	53	POSITIVE	0	1
12-012-005	STREAM	513509	8540524	GDA94	53	NEGATIVE	0	0
12-012-006	STREAM	512361	8543461	GDA94	53	NEGATIVE	0	0
12-012-007	STREAM	509360	8540214	GDA94	53	NEGATIVE	0	0
12-012-008	STREAM	507862	8549235	GDA94	53	NEGATIVE	0	0
12-012-009	STREAM	502117	8547855	GDA94	53	POSITIVE	0	1
12-012-010	STREAM	502677	8554266	GDA94	53	NEGATIVE	0	0

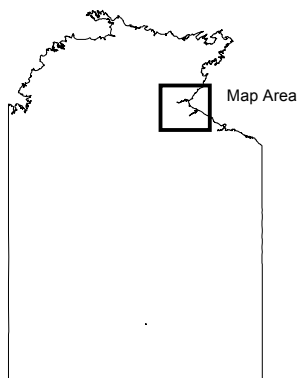
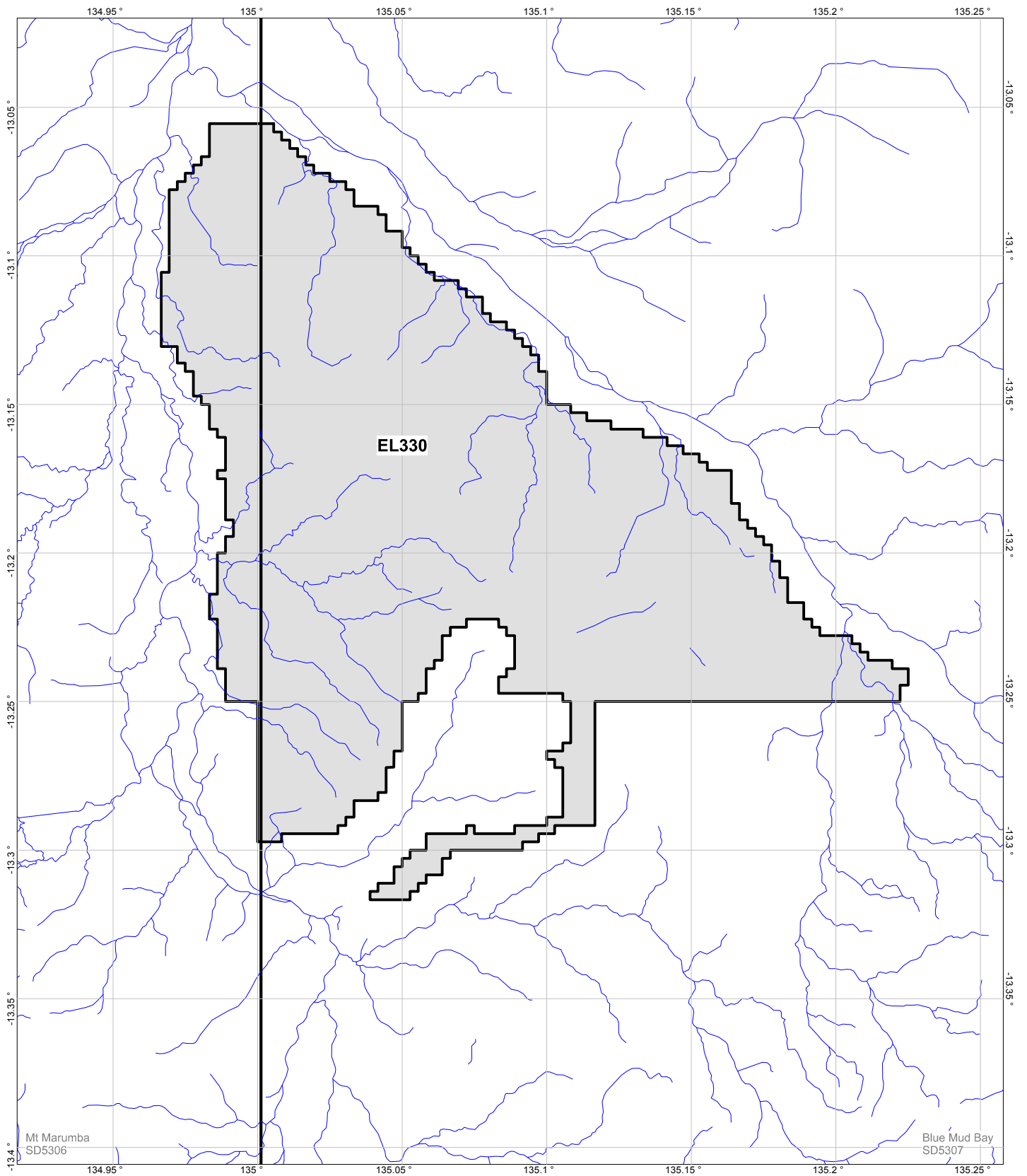
Table 8. 2012-2013 Geochem Sample Results

ELEMENTS	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga
UNITS	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
DETECTION	1	0.1	50	2	1	0.5	0.05	50	0.05	0.1	5	0.1	1	0.01	0.1
METHOD	FA25/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS
12-107-001	2	X	10185	X	35	X	0.06	4092	X	5.4	6	1.1	3	0.88	2.6
12-107-002	X	X	10484	X	39	X	0.07	1728	0.1	2.2	8	1.3	5	0.81	2.9
12-107-002a	1	0.1	15319	2	66	X	0.1	2852	X	4.1	16	1.4	3	1.17	4
12-107-003	X	X	10587	X	53	X	0.1	724	X	4.5	10	1.1	3	0.64	2.8
12-107-004	X	X	26251	X	92	2.9	0.28	514	X	1.7	24	0.9	6	0.89	7
12-107-005	X	X	15720	X	112	0.7	0.16	102	X	2.8	11	2.8	3	0.89	4.1
12-107-006	X	X	35969	X	179	1.4	0.37	182	X	7.5	40	6.6	6	1.26	9.9
12-107-007	X	X	35196	3	50	X	0.29	119	X	2.3	31	1	1	3	9.1
12-107-008	1	0.1	30828	2	200	2.8	0.34	426	X	10.9	31	5.9	11	1.6	9.1
12-107-009	1	0.5	23572	X	75	1	0.27	148	X	5.7	20	3.7	5	1.09	6.5

ELEMENTS	Ge	Hf	In	K	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
DETECTION	0.1	0.1	0.05	20	0.1	20	1	0.1	20	0.1	1	50	1	1	1
METHOD	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	4A/OE	4A/MS	4A/OE	4A/OE	4A/MS	FA25/MS	FA25/MS
12-107-001	1	3.9	X	533	11.3	4016	157	0.5	990	2.4	4	77	17	X	X
12-107-002	1	5.2	X	1378	11.7	1113	116	0.2	363	3	9	74	9	X	X
12-107-002a	1.4	1.4	X	410	12.4	917	795	0.5	344	4.9	6	118	9	X	X
12-107-003	0.9	1.5	X	450	8.9	354	255	0.1	183	3.6	4	55	9	X	X
12-107-004	1	1.7	X	464	12.2	883	106	0.3	916	6.7	6	119	14	X	X
12-107-005	0.9	1.6	X	4900	9.1	968	48	X	238	4.1	4	58	8	X	X
12-107-006	1.8	3.2	X	6931	28.4	1299	125	0.3	294	12	9	92	10	X	X
12-107-007	1.1	2.1	X	460	7	278	77	0.7	113	6.3	8	153	13	X	X
12-107-008	1.9	4	X	7420	29.1	1694	471	0.3	306	11.1	11	130	20	X	X
12-107-009	1.2	2.2	X	2696	20.6	860	174	0.3	119	5.8	7	78	11	X	X

ELEMENTS	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION	0.1	0.05	50	0.1	1	2	0.1	0.5	0.05	0.1	0.05	5	0.02	0.05	1
METHOD	4A/MS	4A/MS	4A/OE	4A/MS	4A/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/OE	4A/MS	4A/MS	4A/OE
12-107-001	6.1	X	196	0.4	2	X	0.6	9.5	0.21	X	3.37	854	0.07	1.08	15
12-107-002	13.1	X	207	0.3	2	X	0.7	6.6	0.22	X	3.74	1082	0.09	1.12	20
12-107-002a	5.2	X	188	0.2	3	X	1	14.2	0.34	X	4.16	2018	0.05	0.63	23
12-107-003	6	X	88	0.2	2	X	0.7	9.3	0.25	X	3.58	1382	0.06	0.7	17
12-107-004	4.5	X	275	0.3	5	X	1.3	13.4	0.51	X	6.94	2792	0.04	2.55	71
12-107-005	36.5	X	72	0.2	2	X	0.9	14	0.39	X	4.21	1271	0.18	0.8	26
12-107-006	77.4	X	133	0.5	6	X	2.2	21.8	0.96	X	10.54	3577	0.37	1.87	54
12-107-007	4.9	X	186	0.2	5	X	1.4	13.4	0.47	X	5.84	2717	0.05	1.72	50
12-107-008	82.7	X	179	0.6	7	X	2.1	20.9	0.92	X	10.95	3170	0.42	2.54	44
12-107-009	38.3	X	97	0.3	4	X	1.4	11.8	0.46	X	6.26	1967	0.23	1.32	33

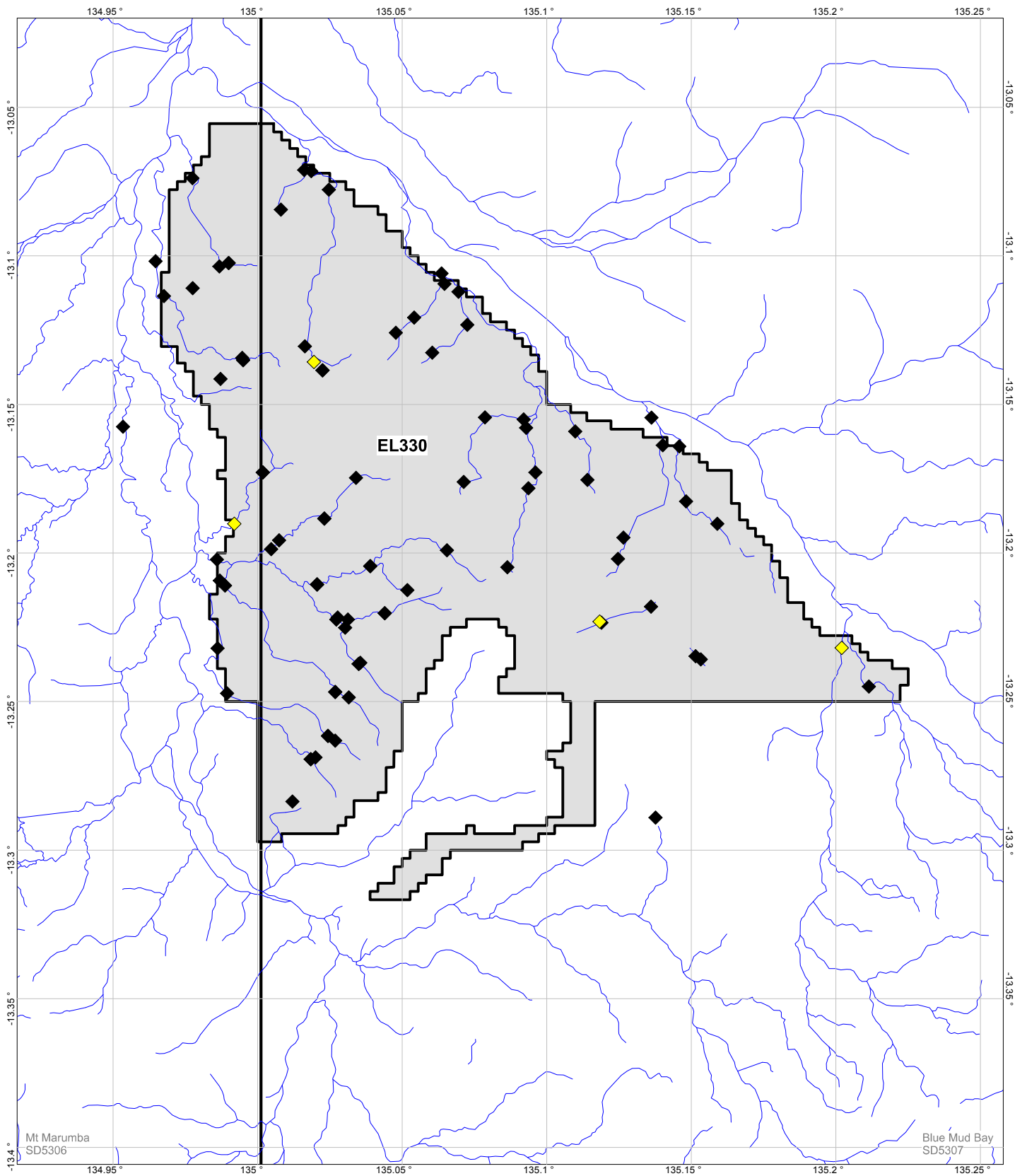
ELEMENTS	W	Y	Zn	Zr
UNITS	ppm	ppm	ppm	ppm
DETECTION	0.1	0.1	1	0.5
METHOD	4A/MS	4A/MS	4A/OE	4A/MS
12-107-001	0.4	7.3	3	131
12-107-002	0.5	8.5	10	183
12-107-002a	0.6	7.2	6	46.1
12-107-003	0.5	5.5	4	48.6
12-107-004	0.9	9.2	6	59
12-107-005	0.7	6.7	7	53.8
12-107-006	2.1	13.4	6	104.1
12-107-007	33.9	7	7	70.8
12-107-008	2	20.1	14	130.5
12-107-009	1.1	10.6	4	75.6



Legend

- Tenement
- 250k Mapsheet
- Drainage

Merlin Diamonds Limited	
<small>Date: 4/4/2013</small>	Figure 1 Location Plan
<small>Author:</small>	
<small>Office: Perth</small>	
<small>Drawing:</small>	
<small>Scale: 1:125000</small>	<small>Projection: Longitude / Latitude (Australia GDA94)</small>



Legend

- Tenement
- Sample Locations
- Chromite Positive Sample
- 250k Mapsheet
- Drainage

Merlin Diamonds Limited	
Date: 4/4/2013 Author: Office: Perth Drawing: Scale: 1:125000 Projection: Longitude / Latitude (Australia GDA94)	<p>Figure 2</p> <p>Sample Location Plan</p>