



ASX ANNOUNCEMENT

7 November 2022



Yinnetharra REE/Li Project Update

HIGHLIGHTS

- ❖ Yinnetharra rock chip results continue to have highly anomalous values in REE (up to 924ppm TREO)
- ❖ Soil geochemical results indicate targets for field checking near outcrops not previously sampled
- ❖ A high resolution magnetic and radiometric (50m spacing) survey is to start shortly. This will form the basis for the next field trip later this month
- ❖ White Cliff plans to aggressively advance its lithium and rare earth element project portfolio

White Cliff Minerals Limited (**White Cliff** or the **Company**) is pleased to provide an update on the Yinnetharra REE/Li project (**Figure 1**), and the progress on numerous work programs.

Commenting on the work programs, White Cliff Technical Director Ed Mead said:

"Our knowledge of Yinnetharra continues to grow and with the imminent start of a high resolution magnetic and radiometric survey at 50 metre spaced lines, we will have a superior layer of data to work off, compared to the 400m regional data we have been using while waiting for mustering to end. The geochemical and rock chip data we have gleaned from the Yinnetharra project over the last few months will assist with the interpretation and refined target generation phase. The speed of assay return has continued to be challenging, and this has slowed our reporting to shareholders.

"I look forward to getting back on the ground at Yinnetharra in the next few weeks and hope to further unlock the area as we narrow down the primary source of mineralisation.

"We are also progressing Hines Hill with a program of works (**PoW**) due shortly, with further geochemical sampling at Hines Hill and a maiden program at North Kellerberrin underway. We are assessing Lake Tay with acquisition of available GIS and geophysical data, and will also be undertaking a geochemical program at Diemals."

ASX:WCN

wcminerals.com.au

White Cliff Minerals Limited
ABN 22 126 299 125

Level 8, 99 St Georges Tce, Perth WA 6000
PO Box 5638 St Georges Tce, Perth WA 6831

T + 61 8 9486 4036
F + 61 8 9486 4799



Figure 1: Li/REE Project location map in Western Australia

Yinnetharra - REE/Li Project

The Yinnetharra REE/Li project consists of six tenements (**Figure 1 and 2**), within the Gascoyne lithium region, located about 100km northeast of Gascoyne Junction and 85km south of Hastings Rare Earths (ASX:HAS) world-class Yangibana rare earths project. The 6 tenements that make up the Yinnetharra Project are Yinnetharra (E09/2628), Minga Well (E09/2641), Wabli Creek (E09/2629), Injinu Hills (E09/2609), Weedarra (E09/2608) and Sandy Creek (E09/2630).

Lithium and REE's are being targeted within the project area, with recent results returning positive results for REE's.

Over the past few months while mustering has been undertaken over the Yinnetharra Station we have completed rock chip and geochemical soil sampling

programs. We have expedited some samples that looked encouraging, with returned assays up to 924ppm TREO for rock chips and a high background in soils of ~150ppm TREO (**Table 1**).

In consultation with Southern Geoscience Consultants (SGC), the importance of having high resolution data has been confirmed as critical to locating outcropping mineralisation. The current dataset is regional 400m spaced, and with 574km² of tenements we recognise we have reached the limit of this dataset. A high resolution magnetic and radiometric survey at 50m spacing covering the entire project area is to start shortly and will form the basis of upcoming field trips.

The benefit of the work to date, is that the rock chip assays can be used to calibrate the radiometric data and will further assist targeting. Another aim of the survey is to target pegmatites in the northern part of Yinnetharra, for lithium, where explorers to the north of us are having success.

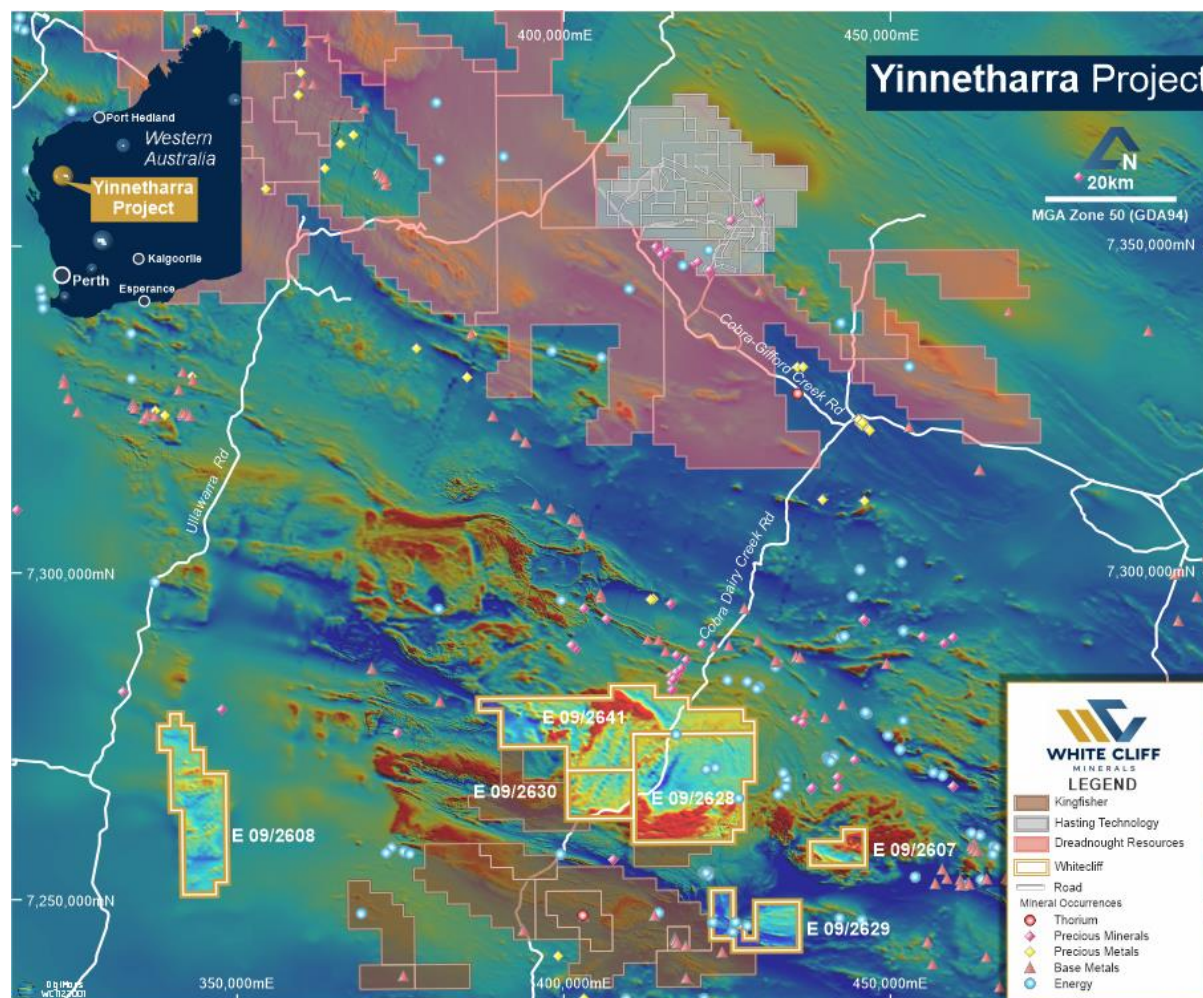


Figure 2: Yinnetharra (WCN 100%) REE/Li project. Kingfisher Mining to the south and contiguous to Wabli Creek E29/2629, with Dreadnought Resources Limited and Hasting Technology Metals Limited to the north.

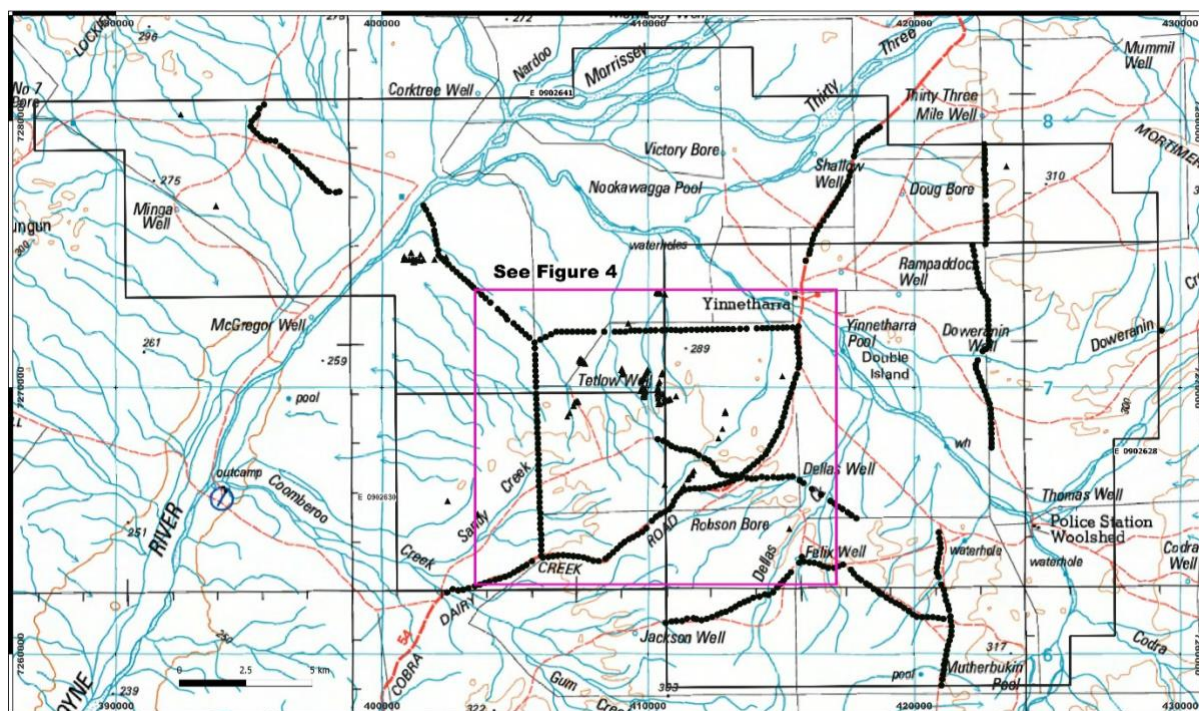


Figure 3: Yinnetharra (WCN 100%) REE/Li project, showing areas of rock chip sampling and soil traverses.

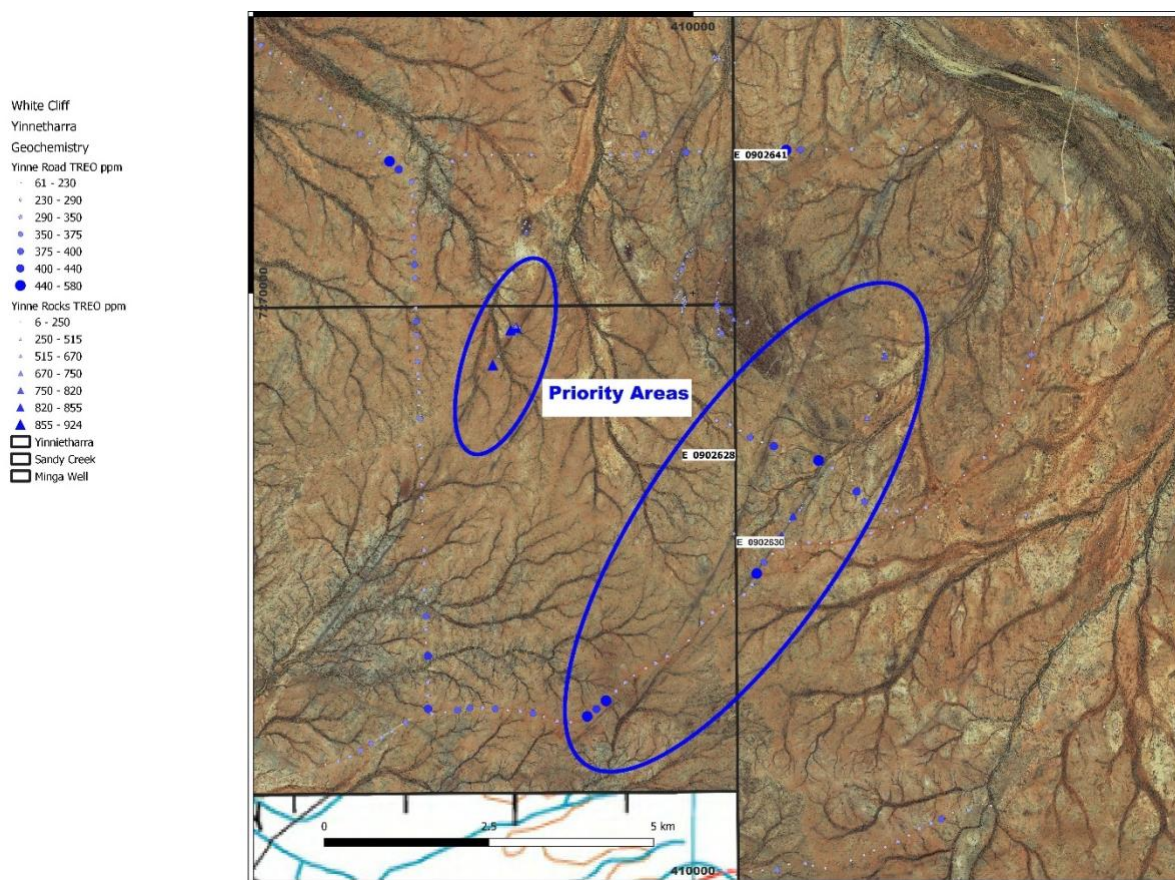


Figure 4: Yinnetharra (WCN 100%) REE/Li project, showing priority areas for follow-up exploration.

Table 1: Results of Rare Earth Element (REE) rock chip sample analyses TREO as ppm

Field Sample	East MGA Z50	North MGA Z50	CeO ₂	La ₂ O ₃	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃
MTX14001 D	415045	7270425	13.02	5.75	3.12	1.8	0.07	2.33	0.62	0.48	4.78
MTX14002 D	415045	7270425	20.27	10.2	5.7	2.79	0.14	4.52	1.07	0.5	28.81
MTX14003 D	412609	7266995	4.42	1.88	0.25	0.19	0.43	0.2	0.06	0.05	1.05
MTX14004 D	403599	7265242	8.11	3.99	0.48	0.19	0.73	0.58	0.09	0.02	0.01
MTX14005 D	403592	7265265	64.74	19.7	1.6	0.64	0.31	2.4	0.25	0.07	12.36
MTX14006 D	402465	7265755	63.14	14.07	1.35	0.62	0.37	2.02	0.25	0.07	7.93
MTX14007 D	402465	7265755	2.46	1.17	0.16	0.08	0.68	0.2	0.02	0.01	0.01
MTX14008 D	392437	7280248	40.66	17.12	4.67	3.05	0.69	3.96	1.07	0.4	11.2
MTX14009 D	393760	7276820	124.68	58.87	5.89	2.33	1.55	10.57	1.03	0.23	7.35
MTX14010 D	431958	7244510	2.58	3.4	1.37	0.85	0.27	0.96	0.31	0.16	13.06
MTX14011 D	433374	7266897	241.99	118.45	9.5	5.29	1.9	11.58	1.99	0.72	25.66
MTX14012 D	444549	7260846	1.72	0.94	0.25	0.09	0.03	0.22	0.03	0.01	71.03
MTX14013 D	444537	7260862	3.56	1.17	0.28	0.03	0.03	0.38	0.02	0.01	3.62
MTX14014 D	444528	7260870	101.22	50.2	3.43	1.21	1.11	5.35	0.54	0.15	44.67
MTX14103 D	412605	7266990	14.37	6.68	2.09	1.11	0.09	1.97	0.4	0.2	6.88
YZZ-001	409841	7269643	55.65	18.3	10.28	5.91	3.01	10.82	2.18	0.74	36.74
YZZ-002	409855	7269664	5.77	2.58	0.32	0.17	0.28	0.37	0.07	0.02	1.98
YZZ-003	409837	7269681	59.7	20.88	10.48	5.85	3.07	10.97	2.13	0.74	38.02
YZZ-004	409855	7269695	4.61	1.88	0.29	0.16	0.3	0.31	0.06	0.05	1.75
YZZ-005	409839	7269729	69.53	25.57	11.71	6.8	3.35	12.45	2.46	0.82	44.67
YZZ-006	409864	7269748	3.44	1.88	0.2	0.1	0.28	0.21	0.03	0.02	1.28
YZZ-007	409836	7269756	61.91	20.05	11.53	6.39	3.28	12.04	2.37	0.8	41.87
YZZ-008	409838	7269782	256.74	105.67	9.77	5.55	2.7	11.76	2.02	0.67	90.75
YZZ-009	409873	7269804	64.37	21.81	11.41	6.52	3.23	11.76	2.42	0.8	40.94
YZZ-010	409866	7269825	216.2	97.81	7.87	4.51	2.18	9.67	1.64	0.51	77.8
YZZ-011	409877	7269850	230.94	105.67	9.63	5.24	2.52	11.16	1.97	0.69	83.86
YZZ-012	409844	7269865	241.38	106.72	10.86	5.71	2.58	12.28	2.15	0.71	93.31
YZZ-013	409874	7269877	60.81	21.34	10.89	6.11	3.08	11.76	2.27	0.77	39.07
YZZ-014	409848	7269888	60.31	21.58	10.42	5.87	3.08	11.23	2.14	0.73	37.56
YZZ-015	409877	7269910	298.5	130.77	8.67	4.75	2.63	11.13	1.72	0.64	106.26
YZZ-016	409852	7269935	208.21	96.87	7.61	4.24	2.17	9.21	1.55	0.55	75.82
YZZ-017	409879	7269951	137.58	60.75	7.06	3.91	1.9	8.36	1.4	0.45	55.87
YZZ-018	409876	7269978	44.22	19.94	3.41	2.04	1.11	3.85	0.71	0.25	18.9

YZZ-019	409894	7269866	151.71	74.47	6.5	3.51	1.88	7.78	1.26	0.44	57.62
YZZ-020	409901	7269902	73.83	34.36	3.89	2.22	1.29	4.67	0.81	0.26	30.33
YZZ-021	409853	7269924	211.9	94.76	7.9	4.41	2.32	9.73	1.6	0.51	76.75
YZZ-022	409800	7270026	206.37	95	7.41	4.03	2.06	9.07	1.5	0.45	72.55
YZZ-023	409790	7270005	227.25	103.56	7.68	4.13	2.35	9.6	1.53	0.42	75.93
YZZ-024	409781	7269990	213.13	94.53	8.1	4.49	2.25	9.85	1.67	0.6	76.05
YZZ-025	409770	7269973	211.9	81.98	7.41	4.23	2.18	9.24	1.49	0.47	68.23
YZZ-026	409755	7269955	215.58	94.41	8.88	4.85	2.66	10.37	1.81	0.51	77.1
YZZ-027	409744	7269933	212.51	89.72	8.1	4.57	2.29	9.56	1.63	0.55	74.3
YZZ-028	409723	7269915	63.63	20.41	12.05	6.72	3.37	12.45	2.52	0.84	42.81
YZZ-029	409704	7269888	55.28	18.76	11.45	6.53	3.09	11.53	2.39	0.82	38.49
YZZ-030	409014	7270721	164.61	89.6	6.99	3.29	2.11	8.82	1.29	0.33	67.88
YZZ-031	408981	7270654	76.78	31.2	3.44	1.66	0.98	4.1	0.64	0.2	28.23
YZZ-032	409048	7270627	31.94	18.18	1.18	0.61	0.35	1.52	0.19	0.09	12.83
YZZ-033	409063	7270545	43.61	21.81	1.66	0.8	0.42	2.01	0.3	0.11	15.63
YZZ-034	409017	7270498	17.01	10.91	1.01	0.64	0.19	1.18	0.18	0.1	5.6
YZZ-035	410402	7269688	2.09	1.17	0.11	0.07	0.28	0.12	0.02	0.02	0.58
YZZ-036	410374	7269728	261.65	117.87	9.73	5.16	2.52	12.33	1.82	0.67	108.83
YZZ-037	410380	7269759	282.53	134.29	10.56	5.56	3.14	12.16	1.99	0.67	99.49
YZZ-038	410371	7269781	254.28	119.63	8.33	4.48	2.19	10.22	1.6	0.57	91.33
YZZ-039	410355	7269796	269.02	121.97	9.33	4.95	2.33	11.87	1.72	0.65	106.49
YZZ-040	410393	7269824	218.66	102.62	9.3	4.87	2.63	10.62	1.73	0.58	82.23
YZZ-041	410377	7269852	214.36	93.71	9.12	5.01	2.61	10.65	1.71	0.57	82.46
YZZ-042	410385	7269872	46.19	17.12	8.45	4.71	2.48	8.26	1.67	0.64	28.58
YZZ-043	410390	7269896	59.33	20.17	11.59	6.29	3.22	11.11	2.29	0.8	38.02
YZZ-044	410356	7269915	202.07	97.81	9.94	5.77	3.76	10.71	1.97	0.71	76.52
YZZ-045	410362	7269935	66.46	22.52	12.91	7.08	3.49	12.79	2.55	0.86	43.39
YZZ-046	410357	7269971	47.17	16.18	8.73	4.87	2.32	8.38	1.7	0.67	29.98
YZZ-047	410369	7270004	203.91	91.95	8.8	4.86	2.39	10.02	1.73	0.69	82.35
YZZ-048	410367	7270028	125.3	58.87	6.08	3.38	1.85	6.71	1.17	0.5	47.59
YZZ-049	410392	7270162	96.06	40.81	10.21	5.39	2.76	10.35	1.94	0.64	48.87
YZZ-050	410425	7270241	86.97	42.22	4.14	2.38	1.55	4.44	0.79	0.3	31.14
YZZ-051	410500	7270506	118.29	47.73	15.21	8.68	5.99	14.93	3	1.03	61.24
YZZ-052	410537	7270577	42.13	16.18	7.75	4.35	2.29	7.55	1.51	0.55	26.94
YZZ-053	409994	7270673	76.65	30.02	11.65	6.38	3.45	11.7	2.25	0.76	45.61

YZZ-054	409966	7270649	195.93	87.61	7.72	4.05	1.91	8.45	1.43	0.47	69.4
YZZ-055	409941	7270603	260.42	108.25	10.75	5.75	2.22	12.56	1.9	0.63	98.09
YZZ-055A	409941	7270603	8.72	4.34	0.36	0.18	0.19	0.44	0.06	0.03	3.73
YZZ-056	409916	7270573	232.78	102.97	8.96	4.68	2.44	10.58	1.68	0.57	85.38
YZZ-057	409854	7270455	259.19	117.05	10.81	5.88	2.79	11.87	2.1	0.73	97.98
YZZ-058	409828	7270383	296.04	137.8	11.25	5.95	2.87	12.79	2.11	0.76	106.84
YZZ-059	409817	7270334	178.73	81.63	7.82	4.27	2.25	8.64	1.48	0.57	65.55
YZZ-060	409776	7270296	143.72	56.65	6.62	3.65	1.78	7.1	1.31	0.48	50.97
YZZ-061	409739	7270240	251.82	124.9	8.42	4.19	2.89	10.17	1.56	0.51	83.28
YZZ-062	401427	7274767	23.59	9.85	4.84	2.94	1.41	4.33	1	0.38	13.3
YZZ-063	401384	7274767	21.5	9.5	5.66	2.73	1.45	6.04	1.03	0.33	13.53
YZZ-064	401384	7274767	18	6.92	0.65	0.34	0.2	0.81	0.13	0.05	5.37
YZZ-065	401384	7274767	30.83	12.9	5.81	3.5	1.53	5.11	1.2	0.47	16.8
YZZ-066	401384	7274767	35.62	16.65	8.4	4.76	2.41	6.94	1.68	0.58	19.13
YZZ-067	401384	7274767	12.53	4.46	3.97	2.37	1.46	4.23	0.79	0.32	12.6
YZZ-068	401310	7274779	59.33	23.81	6.63	3.97	0.91	6.3	1.26	0.49	22.98
YZZ-069	401303	7274787	6.11	4.1	0.62	0.4	0.14	0.69	0.11	0.05	3.38
YZZ-070	401267	7274793	39.8	14.78	6.28	3.98	0.59	4.28	1.24	0.55	14
YZZ-071	401258	7274792	43.36	17.83	5.84	3.87	0.91	5.03	1.13	0.47	17.5
YZZ-072	401220	7274728	3.5	2.46	0.63	0.46	0.08	0.53	0.15	0.06	1.98
YZZ-073	401213	7274722	44.71	18.65	5.49	3.18	1.32	5.21	1.04	0.39	19.13
YZZ-074	401199	7274719	83.16	38.12	2.71	1.13	0.8	3.67	0.41	0.15	25.19
YZZ-075	401186	7274726	136.35	59.93	9.73	5.5	1.83	10.45	1.74	0.63	55.29
YZZ-076	401181	7274728	8.46	5.63	0.57	0.26	0.14	0.7	0.1	0.02	4.08
YZZ-077	401204	7274792	41.77	17.59	1.76	0.83	0.36	1.86	0.3	0.1	12.6
YZZ-078	401201	7274797	19.04	7.51	3.87	2.26	1.22	3.64	0.73	0.31	11.43
YZZ-079	401164	7274794	101.83	48.55	2.71	1.14	0.71	4.13	0.42	0.15	30.56
YZZ-080	401154	7274797	14.56	8.21	0.56	0.29	0.19	0.88	0.09	0.02	5.83
YZZ-081	401128	7274800	8.39	3.75	1.22	0.64	0.23	0.89	0.21	0.07	2.68
YZZ-082	401119	7274801	4.69	2.93	0.28	0.15	0.08	0.35	0.05	0.01	2.45
YZZ-083	401028	7274813	237.7	108.01	4.74	1.62	0.89	7.71	0.65	0.15	74.42
YZZ-084	400930	7274796	14.56	6.45	2.02	1.35	0.66	1.94	0.4	0.17	7.58
YZZ-085	400851	7274795	9.07	4.34	1.11	0.66	0.27	0.86	0.23	0.08	3.15
YZZ-086	400828	7274793	11.5	8.91	1.45	0.82	0.29	1.33	0.27	0.11	6.07
YZZ-087	400810	7274807	30.22	12.55	4.17	2.49	1.07	4.02	0.77	0.32	15.51

YZZ-088	400839	7274931	16.28	6.45	1.85	1.11	0.22	1.39	0.34	0.15	5.37
YZZ-089	401084	7275053	7.12	3.4	0.76	0.37	0.19	0.66	0.13	0.05	2.57
YZZ-090	401108	7275056	39.06	16.18	3.06	2.39	0.27	2.99	0.64	0.45	13.18
YZZ-091	401548	7274808	8.75	3.99	1.63	1.07	0.52	1.27	0.31	0.22	4.2
YZZ-092	401550	7274807	101.22	45.74	4.12	2.28	1.08	5.14	0.74	0.33	36.62
YZZ-093	401553	7274807	103.31	52.42	2.73	1.14	0.68	3.65	0.44	0.13	31.84
YZZ-094	401445	7275001	11.37	5.04	3.8	3.08	0.75	2.7	0.93	0.6	6.77
YZZ-095	401445	7275001	32.68	17.59	5.92	3.68	0.51	4.31	1.28	0.52	14.7
YZZ-096	407637	7270909	8.19	2.81	0.18	0.13	0.24	0.22	0.03	0.01	1.87
YZZ-097	407475	7270936	299.73	132.53	11.09	5.95	2.72	13.66	1.92	0.6	104.63
YZZ-098	407470	7270946	6.4	2.93	0.22	0.13	0.07	0.3	0.03	0.01	2.45
YZZ-099	407481	7270939	175.05	81.28	7.37	4.05	1.74	7.55	1.27	0.53	55.99
YZZ-100	407490	7270941	111.91	74.59	1.95	0.95	0.67	2.57	0.34	0.14	31.49
YZZ-101	407453	7270997	65.84	28.62	4.38	2.47	1.04	5.01	0.8	0.32	24.84
YZZ-102	407414	7270998	174.43	73.3	6.01	2.56	1.64	7.53	1.03	0.3	64.62
YZZ-103	407440	7271037	54.91	20.99	5.27	3.05	1.32	5.81	0.93	0.41	20.76
YZZ-104	407441	7271039	52.45	21.7	2.27	1.1	0.63	3	0.38	0.11	19.13
YZZ-105	407452	7271041	20.82	5.86	3.27	2.14	0.66	3.15	0.66	0.35	11.9
YZZ-106	407456	7271059	177.5	78.11	8.64	4.75	2.15	9.69	1.6	0.56	71.03
YZZ-107	407441	7271058	6.46	1.99	0.23	0.11	0.3	0.28	0.05	0.02	1.75
YZZ-108	407411	7271053	21.19	9.03	2.16	1.37	0.43	2.17	0.44	0.22	9.91
YZZ-109	407469	7271091	136.35	71.19	6.91	3.58	1.79	7.93	1.19	0.42	54.24
YZZ-110	407523	7271027	146.79	63.68	7.38	3.93	1.92	8.61	1.32	0.43	55.64
YZZ-111	407556	7270994	71.49	46.91	1.48	0.85	0.45	1.91	0.3	0.11	20.18
YZZ-112	407569	7270954	128.98	58.64	6.82	3.76	1.82	8	1.26	0.41	53.19
YZZ-113	407374	7269482	127.14	56.41	8.88	4.7	3.14	10.72	1.57	0.49	56.92
YZZ-114	407349	7269458	341.5	150.12	13.49	7.63	3.69	16.02	2.46	0.89	132.97
YZZ-115	407343	7269449	331.67	140.15	14.29	7.83	3.57	16.31	2.74	1.06	132.39
YZZ-116	407335	7269463	45.94	26.62	1.77	0.98	0.73	2.12	0.33	0.13	18.66
YZZ-117	407317	7269477	352.55	150.12	16.01	8.62	3.96	18.56	2.88	1	139.38
YZZ-118	407313	7269505	304.64	124.9	13.26	7.33	3.65	15.62	2.44	0.86	103.23
YZZ-119	409253	7272418	287.45	119.04	16.64	9	2.72	17.63	3.16	1.1	128.89
YZZ-120	410562	7269745	347.64	154.22	12.62	6.59	2.69	14	2.44	0.93	117.22
YZZ-121	410631	7269631	37.96	19.7	1.31	0.62	0.49	1.6	0.22	0.1	13.3
YZZ-122	410631	7269631	206.37	79.98	8.3	4.15	2.06	9.53	1.58	0.53	73.83

YZZ-123	410616	7269612	234.62	134.87	12.62	7.23	3.24	15.04	2.34	0.75	115.24
YZZ-124	410618	7269612	270.25	114.7	12.74	7.09	2.94	15.62	2.43	0.8	115.94
YZZ-125	410706	7269508	7	4.1	1.01	0.55	0.13	0.86	0.18	0.11	2.68
YZZ-126	410770	7269555	12.53	6.68	0.3	0.13	0.05	0.37	0.02	0.02	2.57
YZZ-127	410837	7269576	235.85	103.09	11.42	6.17	3.24	13.77	2.05	0.68	106.26
YZZ-128	410815	7269553	211.28	104.97	5.91	3.02	2.18	7.73	1.02	0.34	77.22
YZZ-129	410815	7269553	298.5	135.46	10.24	5.56	2.74	12.74	1.94	0.6	113.96
YZZ-130	411044	7269679	7.74	4.22	0.59	0.27	0.28	0.45	0.13	0.06	2.22
YZZ-131	411053	7269686	16.58	9.27	1.38	0.75	0.27	1.03	0.25	0.14	5.72
YZZ-132	410585	7269453	56.02	27.21	21	14.92	0.43	12.04	4.72	2.19	23.21
YZZ-133	410451	7269407	242.61	110.24	7.78	4.37	2.13	10.49	1.55	0.52	85.96
YZZ-134	410435	7269405	288.67	131.35	11.65	6.77	2.74	12.97	2.29	0.81	114.07
YZZ-135	410410	7269397	293.59	138.39	11.02	6.28	2.35	13.08	2	0.73	111.97
YZZ-136	410392	7269378	222.95	103.79	8.4	5.41	2.18	8.99	1.58	0.52	81.76
YZZ-137	410386	7269378	148.02	75.18	4.79	2.9	1.68	6.02	0.89	0.36	50.97
YZZ-138	410387	7269378	157.85	77.87	5.42	3.33	1.61	5.8	1.02	0.42	57.15
YZZ-139	410395	7269468	284.99	127.84	11.04	5.66	2.57	12.39	2.1	0.74	103.58
YZZ-140	410372	7269600	4.55	3.05	0.26	0.11	0.17	0.15	0.05	0.01	1.4
YZZ-141	407055	7269050	232.78	100.98	8.42	4.83	2.32	9.67	1.62	0.59	83.16
YZZ-142	407039	7269045	156.01	58.64	12.68	7.83	1.56	10.02	2.57	0.92	52.95
YZZ-143	410364	7269838	248.14	101.21	9.88	5.23	2.33	12.45	1.84	0.69	92.85
YZZ-144	410364	7269837	335.35	139.56	11.88	6.2	2.48	15.27	2.2	0.75	134.14
YZZ-145	407232	7269440	374.66	187.06	14.81	7.59	3.83	17.52	2.8	0.91	149.3
YZZ-146	407204	7269326	64.37	24.39	7.45	4.23	2.7	7.85	1.45	0.44	32.31
YZZ-147	407195	7269317	24.94	12.43	1.72	0.98	0.69	1.72	0.36	0.16	8.51
YZZ-148	407195	7269309	75.06	35.65	6.06	3.7	1	5.01	1.21	0.44	28.46
YZZ-149	407194	7269313	7	4.57	0.78	0.46	0.36	0.69	0.17	0.07	2.57
YZZ-150	406964	7268914	355.01	166.54	14	7.34	3.32	16.14	2.66	0.91	137.05
YZZ-151	402383	7274848	138.2	68.84	3.88	1.82	1.15	5.05	0.7	0.22	49.46
YZZ-152	402387	7274812	59.21	29.55	8.55	5.09	1.27	7.33	1.79	0.66	23.44
YZZ-153	402379	7274804	68.3	31.67	2.48	0.89	0.39	3.63	0.39	0.09	27.06
YZZ-154	402408	7274832	131.44	54.54	10.5	5.85	1.71	9.99	2.08	0.65	56.22
YZZ-155	402419	7274899	140.65	62.28	4.73	3	1.62	5.33	1.02	0.35	48.52
YZZ-156	402394	7274889	104.41	50.9	3.52	1.72	0.91	4.91	0.56	0.18	35.34
YZZ-157	401976	7274816	11.18	6.68	0.56	0.3	0.14	0.89	0.11	0.03	4.9

YZZ-158	402497	7274627	96.18	45.5	3.88	2.31	0.97	4.53	0.64	0.3	29.39
YZZ-159	402503	7274629	22.85	11.96	3.64	3.54	0.51	1.64	0.95	0.81	6.18
YZZ-160	402486	7274668	149.86	71.07	5.2	2.3	0.78	8.37	0.92	0.26	50.16
YZZ-161	410322	7273601	179.96	81.28	11.71	6.6	2.37	10.2	2.35	1.08	63.1
YZZ-162	410342	7273581	303.41	76.47	23.76	14.69	4.08	18.67	4.66	2.16	98.21
YZZ-163	410358	7273568	152.94	71.07	25.82	15.04	4.1	19.82	4.94	2.3	84.8
YZZ-164	410326	7273555	26.66	11.14	4.03	2.79	0.68	3.2	0.82	0.5	12.6
YZZ-165	410333	7273554	280.08	131.35	9.65	4.96	2.8	12.1	1.79	0.6	103.81
YZZ-166	410326	7273570	65.97	37.18	4.49	2.89	0.67	3.8	0.89	0.44	21.23
YZZ-167	410399	7273567	270.25	127.25	9.28	5.16	2.55	11.11	1.71	0.66	97.63
YZZ-168	410384	7273536	28.62	10.67	3.48	2.61	0.54	2.85	0.76	0.43	10.61
YZZ-169	410467	7273539	133.9	59.93	5.96	3.6	1.75	6.39	1.11	0.57	47.59
YZZ-170	410637	7273505	149.25	68.61	5.44	3.17	1.48	6.39	0.96	0.43	56.92
YZZ-171	415310	7264707	156.62	70.49	7.91	3.53	2.41	9.26	1.33	0.35	66.83
YZZ-172	411256	7266210	32.8	16.07	1.71	0.94	0.46	2.12	0.32	0.11	13.88
YZZ-173	411345	7266324	343.95	136.04	16.64	9	3.81	18.5	3.15	1.16	130.64
YZZ-174	411470	7266551	297.27	138.39	6.54	3.9	2.29	10.6	1.32	0.51	110.46
YZZ-175	411505	7266597	245.68	123.14	8.47	4.84	2.2	11.04	1.57	0.67	93.2
YZZ-176	411506	7266597	250.59	119.63	8.7	5.09	1.85	10.51	1.72	0.68	96.23
YZZ-177	411508	7266601	288.67	134.87	10.59	6.22	2.48	12.79	2.03	0.76	113.61
YZZ-178	411516	7266618	260.42	101.92	11.37	6.37	3.25	12.62	2.19	0.72	98.91
YZZ-179	411522	7266622	355.01	172.4	12.85	7.83	3.74	15.91	2.42	0.83	132.39
YZZ-180	411616	7266714	220.5	110.6	7.87	4.27	2.11	9.56	1.57	0.52	80.6
YZZ-181	411622	7266723	232.17	106.72	10.63	5.74	2.3	11.64	1.99	0.69	98.21
YZZ-182	411651	7266759	103.43	47.03	9.27	5.17	1.44	7.86	1.7	0.69	42.57
YZZ-183	411651	7266759	6.88	3.52	1.68	1.12	0.19	1.26	0.36	0.14	2.57
YZZ-184	411657	7266815	90.9	47.85	2.82	1.48	1.3	3.91	0.5	0.26	34.53
YZZ-185	411718	7266884	5.16	3.05	0.17	0.07	0.36	0.25	0.05	0.01	1.87
YZZ-186	412643	7268109	319.38	157.16	9.59	3.87	2.48	11.23	1.48	0.34	93.55
YZZ-187	412796	7268454	232.78	123.73	4.38	2.38	1.26	4.88	0.81	0.35	62.17
YZZ-188	412899	7269123	271.48	128.42	10.91	6.11	2.17	11.81	2.07	0.69	103.23
YZZ-189	412912	7269050	309.56	141.32	17.1	9.64	3.33	17.63	3.33	1.17	114.42
YZZ-190	412879	7269045	168.91	79.4	10.21	5.41	2.61	12.68	1.98	0.72	71.62
YZZ-191	410622	7266367	266.56	120.21	10.57	5.66	2.36	11.93	2.06	0.65	104.74
YZZ-192	423466	7278305	307.1	165.36	15.49	9.13	3.9	11.64	3.22	1.21	128.89

Field Sample	East MGA Z50	North MGA Z50	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃	TREO	MREO	%Nd/Pr
MTX14001 D	415045	7270425	1.55	2.64	0.53	0.38	2.99	22.22	62.28	9.9	10.16
MTX14002 D	415045	7270425	2.48	3.82	0.99	0.5	3.42	37.72	122.91	37.83	25.45
MTX14003 D	412609	7266995	0.21	0.19	0.05	0.03	0.23	1.9	11.13	1.55	11.28
MTX14004 D	403599	7265242	0.57	0.51	0.08	0.03	0.13	3.17	18.69	1.13	3.07
MTX14005 D	403592	7265265	4.4	2.77	0.35	0.09	0.44	7.49	117.62	18.66	14.25
MTX14006 D	402465	7265755	2.97	2.2	0.28	0.09	0.51	7.37	103.25	12.5	10.56
MTX14007 D	402465	7265755	0.19	0.17	0.02	0.01	0.07	1.27	6.52	0.38	3.05
MTX14008 D	392437	7280248	3.99	3.97	0.78	0.42	2.6	34.67	129.24	20.52	11.75
MTX14009 D	393760	7276820	14.62	13.22	1.33	0.31	1.62	29.72	273.31	28.99	8.04
MTX14010 D	431958	7244510	0.53	0.58	0.21	0.16	1.07	12.19	37.69	15.14	36.07
MTX14011 D	433374	7266897	25.37	15.02	1.76	0.8	5	61.97	527.02	62.04	9.68
MTX14012 D	444549	7260846	0.23	0.27	0.05	0.01	0.07	1.27	76.22	71.56	93.49
MTX14013 D	444537	7260862	0.3	0.37	0.07	0.01	0.02	1.14	11.01	4.25	35.57
MTX14014 D	444528	7260870	11.18	7.62	0.75	0.15	0.93	16.64	245.14	59.92	22.78
MTX14103 D	412605	7266990	1.63	2.45	0.36	0.19	1.41	14.22	54.08	10.91	15.74
YZZ-001	409841	7269643	7.76	9.67	1.68	0.85	5.25	59.18	228.01	56.21	19.52
YZZ-002	409855	7269664	0.57	0.41	0.06	0.02	0.17	1.9	14.7	2.92	17.35
YZZ-003	409837	7269681	8.3	9.91	1.74	0.83	5.18	62.1	239.91	58.28	19.31
YZZ-004	409855	7269695	0.43	0.35	0.05	0.02	0.22	1.78	12.24	2.51	17.85
YZZ-005	409839	7269729	9.65	11.77	1.98	0.97	5.66	71.5	278.88	67.71	19.48
YZZ-006	409864	7269748	0.34	0.19	0.02	0.01	0.13	1.27	9.39	1.84	17.26
YZZ-007	409836	7269756	8.84	11.05	1.86	0.93	5.72	66.92	255.57	63.83	19.84
YZZ-008	409838	7269782	25.86	15.65	1.76	0.79	4.87	56.51	591.05	127.87	19.73
YZZ-009	409873	7269804	8.78	10.91	1.88	0.9	5.59	65.78	257.1	62.73	19.34
YZZ-010	409866	7269825	22.59	13.05	1.41	0.65	3.8	46.48	506.17	109.47	19.83
YZZ-011	409877	7269850	23.86	14.55	1.66	0.8	4.95	56.51	554.02	118.77	19.44
YZZ-012	409844	7269865	26.34	16	1.81	0.85	5.15	59.43	585.27	132.05	20.44
YZZ-013	409874	7269877	8.46	10.18	1.8	0.85	5.35	60.32	243.06	59.95	19.56
YZZ-014	409848	7269888	8.22	9.75	1.72	0.83	5.03	60.45	238.91	57.65	19.16
YZZ-015	409877	7269910	31.53	16.12	1.56	0.71	4.45	49.65	669.09	147.79	20.59
YZZ-016	409852	7269935	22.11	12.7	1.33	0.62	3.88	46.1	492.96	106.67	19.87
YZZ-017	409879	7269951	15.1	10.27	1.24	0.57	3.31	39.62	347.4	79.08	20.43
YZZ-018	409876	7269978	5	3.82	0.6	0.3	1.78	20.32	126.23	27.82	18.93
YZZ-019	409894	7269866	16.07	9.87	1.14	0.5	3.22	37.72	373.69	81.16	19.72

YZZ-020	409901	7269902	8.19	5.53	0.68	0.31	1.87	22.6	190.84	42.99	20.18
YZZ-021	409853	7269924	22.29	12.7	1.41	0.65	3.93	48.89	499.75	108.14	19.82
YZZ-022	409800	7270026	21.26	12.18	1.34	0.56	3.31	45.46	482.56	102.37	19.44
YZZ-023	409790	7270005	21.99	12.47	1.38	0.58	3.01	44.83	516.71	106.77	18.95
YZZ-024	409781	7269990	21.93	12.81	1.43	0.66	4.19	47.75	499.46	107.3	19.62
YZZ-025	409770	7269973	19.33	12.06	1.29	0.58	3.36	44.83	468.59	96.08	18.69
YZZ-026	409755	7269955	21.51	13.57	1.52	0.67	4.03	53.97	511.45	108.78	19.28
YZZ-027	409744	7269933	21.39	12.99	1.41	0.65	4.01	49.53	493.2	104.99	19.4
YZZ-028	409723	7269915	8.72	11.33	1.99	0.96	5.92	68.7	262.42	65.27	19.64
YZZ-029	409704	7269888	7.96	10.59	1.83	0.94	5.65	68.83	244.14	59.47	19.03
YZZ-030	409014	7270721	19.57	11.89	1.26	0.45	2.7	28.06	408.85	95.52	21.39
YZZ-031	408981	7270654	8.12	5.08	0.6	0.25	1.55	13.71	176.55	40.3	20.59
YZZ-032	409048	7270627	3.47	2.3	0.27	0.08	0.55	5.21	78.76	17.71	20.69
YZZ-033	409063	7270545	4.24	2.67	0.27	0.11	0.76	6.98	101.39	21.76	19.6
YZZ-034	409017	7270498	1.44	1.18	0.14	0.09	0.61	5.71	46	8.17	15.3
YZZ-035	410402	7269688	0.17	0.13	0.02	0.01	0.09	0.76	5.65	0.89	13.31
YZZ-036	410374	7269728	28.27	16.35	1.73	0.73	4.65	55.11	627.42	148.3	21.85
YZZ-037	410380	7269759	29.84	16.23	1.83	0.72	4.78	58.8	662.6	141.46	19.52
YZZ-038	410371	7269781	27.06	14.44	1.48	0.61	4.14	44.83	585.19	127.99	20.23
YZZ-039	410355	7269796	28.15	16.23	1.67	0.72	4.49	48.38	627.98	145.39	21.44
YZZ-040	410393	7269824	23.74	13.8	1.6	0.64	4.19	48.26	525.45	116.63	20.17
YZZ-041	410377	7269852	23.32	13.97	1.61	0.66	4.21	51.56	515.53	116.28	20.52
YZZ-042	410385	7269872	6.26	7.18	1.36	0.63	4.21	46.48	184.22	44.44	18.91
YZZ-043	410390	7269896	8.26	10.13	1.83	0.82	5.45	61.34	240.67	59.44	19.23
YZZ-044	410356	7269915	21.87	12.99	1.67	0.73	4.89	57.91	509.31	109.74	19.32
YZZ-045	410362	7269935	9.19	11.35	2.09	0.93	6.22	71.75	273.58	67.28	19.22
YZZ-046	410357	7269971	6.54	8.14	1.36	0.66	4.49	49.53	190.71	46.41	19.15
YZZ-047	410369	7270004	21.57	13.1	1.51	0.72	4.66	48.64	496.89	114	20.91
YZZ-048	410367	7270028	12.99	8.49	1.05	0.5	3.3	35.18	312.96	67.55	19.36
YZZ-049	410392	7270162	11.85	10.71	1.67	0.7	4.62	56.13	302.71	72.36	20.06
YZZ-050	410425	7270241	9.09	5.37	0.68	0.32	2.05	23.37	214.8	44.95	18.73
YZZ-051	410500	7270506	14.92	14.5	2.46	1.15	7.57	88.13	404.83	93.45	18.81
YZZ-052	410537	7270577	5.91	7.07	1.22	0.57	3.8	43.94	171.77	41.64	19.13
YZZ-053	409994	7270673	10.26	11.48	1.91	0.82	5.35	64.51	282.8	69.13	19.75
YZZ-054	409966	7270649	20.42	11.65	1.29	0.54	3.4	43.18	457.45	98.64	19.63

YZZ-055	409941	7270603	31.29	17.45	1.82	0.73	4.7	59.18	615.76	141.69	21.01
YZZ-055A	409941	7270603	1.01	0.64	0.06	0.03	0.19	1.9	21.89	5.15	21.69
YZZ-056	409916	7270573	24.65	13.8	1.58	0.62	3.94	49.53	544.16	120.33	20.22
YZZ-057	409854	7270455	28.27	16.35	1.83	0.78	5.15	59.3	620.08	138.62	20.36
YZZ-058	409828	7270383	32.14	17.34	1.91	0.8	5.26	62.1	695.96	151.85	19.97
YZZ-059	409817	7270334	18.85	10.96	1.29	0.57	3.89	43.94	430.43	93.32	19.61
YZZ-060	409776	7270296	14.56	9.16	1.12	0.5	3.39	35.05	336.06	73.1	19.5
YZZ-061	409739	7270240	25.01	13.39	1.51	0.51	3.48	46.1	577.75	117.99	18.74
YZZ-062	401427	7274767	3.11	3.56	0.73	0.39	2.65	27.56	99.63	21.87	16.46
YZZ-063	401384	7274767	2.89	5	0.96	0.37	2.33	31.75	105.06	22.9	15.63
YZZ-064	401384	7274767	1.46	0.97	0.12	0.05	0.27	3.68	39.01	7.58	17.5
YZZ-065	401384	7274767	3.87	4.36	0.85	0.48	3.18	35.43	126.3	27.19	16.36
YZZ-066	401384	7274767	4.47	5.39	1.25	0.62	4.09	52.7	164.69	33.06	14.33
YZZ-067	401384	7274767	2.08	4.45	0.62	0.32	2.17	24	76.37	19.18	19.22
YZZ-068	401310	7274779	5.86	5.79	0.99	0.55	3.64	42.29	184.8	36.31	15.6
YZZ-069	401303	7274787	0.82	0.64	0.09	0.05	0.32	3.3	20.82	4.9	20.19
YZZ-070	401267	7274793	3.73	3.61	0.8	0.58	4.32	40.26	138.77	24.69	12.78
YZZ-071	401258	7274792	4.25	4.22	0.82	0.49	3.48	40.38	149.59	28.29	14.54
YZZ-072	401220	7274728	0.46	0.38	0.08	0.07	0.43	5.84	17.12	3.14	14.26
YZZ-073	401213	7274722	4.53	4.66	0.79	0.42	2.98	32.64	145.14	29.82	16.3
YZZ-074	401199	7274719	7.18	4.71	0.49	0.15	1.15	12.32	181.33	35.5	17.85
YZZ-075	401186	7274726	13.77	11.6	1.55	0.7	4.7	57.53	371.3	80.11	18.6
YZZ-076	401181	7274728	1.04	0.79	0.09	0.03	0.23	1.78	23.94	5.78	21.39
YZZ-077	401204	7274792	3.67	2.45	0.27	0.13	0.8	9.4	93.87	18.26	17.33
YZZ-078	401201	7274797	2.37	3.17	0.58	0.3	2.16	21.46	80.04	18.16	17.24
YZZ-079	401164	7274794	8.76	5.62	0.53	0.15	0.96	13.08	219.3	42.48	17.93
YZZ-080	401154	7274797	1.5	1.02	0.11	0.03	0.22	3.43	36.93	7.98	19.85
YZZ-081	401128	7274800	0.8	0.82	0.18	0.09	0.57	6.86	27.39	4.85	12.71
YZZ-082	401119	7274801	0.58	0.42	0.05	0.01	0.1	2.03	14.17	3.34	21.38
YZZ-083	401028	7274813	21.32	12.12	0.95	0.17	1.12	19.43	491.01	101.29	19.5
YZZ-084	400930	7274796	1.63	1.69	0.32	0.16	1.25	11.18	51.35	11.5	17.94
YZZ-085	400851	7274795	0.87	0.8	0.16	0.09	0.67	6.73	29.1	5.27	13.81
YZZ-086	400828	7274793	1.47	1.44	0.22	0.11	0.8	8.76	43.56	9.18	17.31
YZZ-087	400810	7274807	3.43	3.93	0.61	0.32	2.28	23.37	105.05	23.63	18.03
YZZ-088	400839	7274931	1.53	1.37	0.26	0.16	1.21	10.54	48.22	8.97	14.31

YZZ-089	401084	7275053	0.7	0.72	0.13	0.05	0.38	4.32	21.52	4.13	15.18
YZZ-090	401108	7275056	3.66	3.24	0.46	0.38	3.29	20.32	109.57	20.3	15.37
YZZ-091	401548	7274808	0.97	1.09	0.24	0.18	1.4	9.52	35.35	7	14.61
YZZ-092	401550	7274807	9.5	6.59	0.72	0.33	2.47	22.35	239.22	50.85	19.28
YZZ-093	401553	7274807	9.13	5.13	0.48	0.15	0.89	15.24	227.36	44.12	18.02
YZZ-094	401445	7275001	1.47	1.99	0.52	0.51	3.72	30.99	74.25	12.48	11.1
YZZ-095	401445	7275001	3.71	3.03	0.84	0.54	3.37	45.97	138.64	25.04	13.28
YZZ-096	407637	7270909	0.51	0.29	0.04	0.01	0.08	1.27	15.89	2.59	14.94
YZZ-097	407475	7270936	30.45	17.92	1.83	0.73	4.84	62.48	691.07	147.72	19.55
YZZ-098	407470	7270946	0.66	0.43	0.04	0.01	0.09	0.76	14.53	3.36	21.43
YZZ-099	407481	7270939	15.71	10.8	1.13	0.54	4.07	29.97	397.02	80.02	18.06
YZZ-100	407490	7270941	10.55	4.56	0.39	0.14	0.85	8.89	249.99	44.32	16.82
YZZ-101	407453	7270997	6.39	5.37	0.73	0.32	2.23	20.06	168.44	36.24	18.54
YZZ-102	407414	7270998	18.12	10.53	1.09	0.35	2.11	21.59	385.22	89.69	21.48
YZZ-103	407440	7271037	4.42	5.87	0.8	0.42	3.03	24.76	152.76	31.13	16.49
YZZ-104	407441	7271039	4.75	3.5	0.39	0.14	0.89	9.78	120.2	26.48	19.86
YZZ-105	407452	7271041	2.48	3.41	0.49	0.31	2.29	14.1	71.89	18.07	19.99
YZZ-106	407456	7271059	19.51	13.28	1.43	0.61	4.05	48.51	441.44	100.41	20.51
YZZ-107	407441	7271058	0.43	0.36	0.04	0.02	0.11	1.27	13.43	2.44	16.26
YZZ-108	407411	7271053	2.38	2.54	0.32	0.21	1.38	11.68	65.42	14.72	18.79
YZZ-109	407469	7271091	15.34	10.03	1.18	0.47	3.05	29.97	343.64	77.49	20.25
YZZ-110	407523	7271027	15.53	10.81	1.21	0.5	3.18	40.38	361.32	79.57	19.7
YZZ-111	407556	7270994	7.2	3.06	0.28	0.1	0.8	8	163.13	29.1	16.78
YZZ-112	407569	7270954	14.56	9.97	1.12	0.47	3.05	39.49	331.54	75.51	20.43
YZZ-113	407374	7269482	14.8	12.12	1.53	0.56	3.71	47.49	350.18	81.9	20.48
YZZ-114	407349	7269458	38.54	21.05	2.29	0.96	6.46	76.07	814.13	186.95	21.07
YZZ-115	407343	7269449	34.19	21.45	2.42	1.12	7.26	79.75	796.2	182.93	20.92
YZZ-116	407335	7269463	5.04	3.01	0.31	0.14	0.92	9.65	116.36	25.73	20.37
YZZ-117	407317	7269477	39.75	23.08	2.68	1.11	7.39	90.42	857.5	197.42	20.89
YZZ-118	407313	7269505	32.5	18.9	2.28	0.91	6.04	73.27	709.83	150.92	19.12
YZZ-119	409253	7272418	34.55	24.24	2.74	1.32	7.98	97.15	753.62	182.41	21.69
YZZ-120	410562	7269745	33.71	19.48	2.11	1.1	6.05	76.45	797.24	165.35	18.93
YZZ-121	410631	7269631	4.04	2.13	0.22	0.11	0.6	7.62	90.02	18.83	19.25
YZZ-122	410631	7269631	20.3	13.86	1.35	0.66	3.66	48.13	474.3	103.58	19.85
YZZ-123	410616	7269612	30.21	18.9	2.05	0.91	5.67	75.69	659.38	159.81	22.06

YZZ-124	410618	7269612	29.6	19.95	2.23	0.85	5.28	73.78	674.19	160.18	21.59
YZZ-125	410706	7269508	0.8	0.72	0.19	0.03	0.58	6.6	25.56	4.65	13.62
YZZ-126	410770	7269555	1.04	0.41	0.04	0.01	0.08	1.4	25.63	3.93	14.07
YZZ-127	410837	7269576	27.18	17.92	1.83	0.79	4.58	65.53	600.37	146.42	22.23
YZZ-128	410815	7269553	21.81	12.18	1.07	0.37	2.49	32.76	484.34	105.84	20.44
YZZ-129	410815	7269553	30.69	17.22	1.74	0.62	4.43	60.32	696.75	156.36	20.76
YZZ-130	411044	7269679	0.7	0.61	0.09	0.11	0.28	3.56	21.31	3.58	13.69
YZZ-131	411053	7269686	1.38	1.24	0.19	0.16	0.74	9.27	48.35	8.63	14.67
YZZ-132	410585	7269453	6.39	7.05	2.69	2.3	15.32	172.71	368.2	52.9	8.04
YZZ-133	410451	7269407	23.68	14.09	1.47	0.55	3.46	47.88	556.78	118.68	19.69
YZZ-134	410435	7269405	31.29	19.37	1.94	0.85	5.37	73.78	703.93	158.67	20.65
YZZ-135	410410	7269397	30.45	17.86	1.95	0.8	5.35	64.51	700.33	155.1	20.34
YZZ-136	410392	7269378	23.86	13.16	1.29	0.62	3.7	53.72	531.94	115.13	19.86
YZZ-137	410386	7269378	15.16	8.28	0.82	0.37	2.16	31.11	348.72	71.62	18.96
YZZ-138	410387	7269378	16.01	8.69	0.85	0.42	2.64	34.54	373.62	79.3	19.58
YZZ-139	410395	7269468	29.24	16.52	1.83	0.95	4.74	64.38	668.56	145.42	19.87
YZZ-140	410372	7269600	0.36	0.16	0.12	0.02	0.13	2.03	12.58	2.13	14.01
YZZ-141	407055	7269050	23.44	14.26	1.55	0.7	4.1	51.18	539.59	116.35	19.76
YZZ-142	407039	7269045	14.68	10.87	1.89	1.29	7.41	79.37	418.69	81.93	16.15
YZZ-143	410364	7269838	25.61	16.12	1.72	0.8	4.45	58.54	581.86	129.8	20.36
YZZ-144	410364	7269837	36.25	23.13	2.14	0.88	4.94	70.86	786.03	184.08	21.68
YZZ-145	407232	7269440	42.05	24	2.59	1.04	6.6	89.02	923.78	208.35	20.71
YZZ-146	407204	7269326	7.48	7.92	1.16	0.62	3.27	43.68	209.33	48.23	19.01
YZZ-147	407195	7269317	2.51	1.7	0.28	0.19	0.92	14.73	71.86	12.99	15.35
YZZ-148	407195	7269309	8.31	5.55	0.94	0.57	3.26	38.99	214.22	43.63	17.17
YZZ-149	407194	7269313	0.69	0.63	0.09	0.13	0.44	6.86	25.51	4.12	12.76
YZZ-150	406964	7268914	38.18	22.67	2.35	1.06	6.18	86.61	860.02	191.23	20.38
YZZ-151	402383	7274848	14.38	8.13	0.68	0.33	1.45	20.95	315.22	68.29	20.25
YZZ-152	402387	7274812	6.77	5.54	1.32	0.78	4.25	67.69	223.23	39.88	13.53
YZZ-153	402379	7274804	7.39	5.4	0.54	0.15	0.57	12.45	161.4	37.39	21.35
YZZ-154	402408	7274832	15.59	12.29	1.61	0.89	5.09	72.38	380.84	83.68	18.85
YZZ-155	402419	7274899	14.56	8.08	0.82	0.43	2.61	32	326	68.51	19.35
YZZ-156	402394	7274889	10.84	7.35	0.67	0.25	1.53	20.06	243.16	50.27	18.99
YZZ-157	401976	7274816	1.27	0.99	0.09	0.08	0.33	4.95	32.51	6.81	18.97
YZZ-158	402497	7274627	9.68	6.1	0.62	0.4	2.11	24	226.62	43.48	17.24

YZZ-159	402503	7274629	2.08	1.79	0.38	0.73	5.1	31.24	93.39	12.22	8.84
YZZ-160	402486	7274668	15.71	10.62	1.18	0.35	1.94	27.56	346.26	72.06	19.02
YZZ-161	410322	7273601	16.98	13.86	1.94	1.01	6.87	49.15	448.43	93.43	17.86
YZZ-162	410342	7273581	23.68	23.19	3.72	2.33	16.23	93.34	708.6	148.81	17.2
YZZ-163	410358	7273568	20.48	21.57	3.86	2.41	15.32	122.42	566.87	134.38	18.57
YZZ-164	410326	7273555	2.96	4.09	0.58	0.4	3.07	17.52	91.05	20.08	17.09
YZZ-165	410333	7273554	29.24	19.02	1.74	0.65	4.17	51.94	653.9	144.18	20.35
YZZ-166	410326	7273570	6.38	4.08	0.66	0.42	3.06	23.75	175.92	32.66	15.69
YZZ-167	410399	7273567	28.15	15.77	1.65	0.77	4.5	58.42	634.84	136.46	19.81
YZZ-168	410384	7273536	2.78	2.78	0.53	0.4	2.69	19.94	89.69	17.32	14.93
YZZ-169	410467	7273539	13.29	8.21	0.93	0.48	3.72	36.95	324.37	67.63	18.77
YZZ-170	410637	7273505	15.89	8.57	0.92	0.46	2.84	32.13	353.44	79.03	20.6
YZZ-171	415310	7264707	16.91	12.58	1.38	0.46	3.2	38.73	391.99	92.83	21.37
YZZ-172	411256	7266210	3.54	2.39	0.29	0.09	1	10.67	86.4	19.38	20.16
YZZ-173	411345	7266324	33.71	23.89	2.96	1.21	8.57	96.77	830.01	183.51	19.8
YZZ-174	411470	7266551	31.17	17.97	1.34	0.53	3.46	41.02	666.78	149.31	21.24
YZZ-175	411505	7266597	25.01	14.61	1.55	0.7	4.6	51.05	588.33	128	20.09
YZZ-176	411506	7266597	25.49	16.41	1.55	0.74	4.55	55.24	598.99	131.74	20.32
YZZ-177	411508	7266601	30.33	19.13	1.82	0.82	6.19	67.18	697.51	156.08	20.64
YZZ-178	411516	7266618	26.1	16.81	1.93	0.87	5.64	71.5	620.61	138.02	20.14
YZZ-179	411522	7266622	36.73	21.22	2.28	0.91	6.39	79.37	850.28	183.91	19.89
YZZ-180	411616	7266714	22.11	13.39	1.47	0.57	3.89	47.24	526.26	111.83	19.52
YZZ-181	411622	7266723	25.25	16.52	1.72	0.73	5.23	63.24	582.8	135.55	21.18
YZZ-182	411651	7266759	11.2	8.62	1.41	0.75	4.92	57.78	303.84	64.25	17.7
YZZ-183	411651	7266759	0.72	0.72	0.25	0.09	0.87	11.68	32.02	5.18	10.28
YZZ-184	411657	7266815	9.56	6.03	0.56	0.21	1.55	16.64	218.09	47.39	20.21
YZZ-185	411718	7266884	0.46	0.36	0.04	0.01	0.11	1.14	13.1	2.53	17.75
YZZ-186	412643	7268109	29.24	16.41	1.6	0.43	2.74	33.02	682.51	133.74	17.99
YZZ-187	412796	7268454	21.32	9.16	0.8	0.22	2.48	16	482.73	88.56	17.3
YZZ-188	412899	7269123	28.03	14.26	1.74	0.72	5.55	70.61	657.8	143.65	19.95
YZZ-189	412912	7269050	32.5	17.92	2.71	1.23	7.83	107.94	787.65	166.33	18.65
YZZ-190	412879	7269045	18.18	14.5	1.83	0.78	4.43	62.35	455.6	101.57	19.71
YZZ-191	410622	7266367	28.76	16.35	1.79	0.69	4.5	63.5	640.32	145.59	20.85
YZZ-192	423466	7278305	35.88	24.47	2.82	1.3	8.21	103.5	822.12	182.66	20.04

This announcement has been approved by the Board of White Cliff Minerals Limited.

Further Information:

Dan Smith
Director
+61 8 9486 4036

Edward Mead
Director
+61 8 9486 4036

Competent Persons Statement

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Allan Younger, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Younger is an employee of the company. Mr Younger has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Younger consents to the inclusion of this information in the form and context in which it appears in this report.

APPENDIX 1.

The following Tables are provided to ensure compliance with the JORC Code (2012 Edition) requirements for the reporting of Exploration Results at Yinnetharra and Diemals.

Section 1: Sampling Techniques and Data

(Criteria in this section applies to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	Rochchip samples of lithological material and soil samples from horizon B, were taken from Yinnetharra.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Rockchip from outcrops. Reconnaissance soil sampling
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	Rock chip sampling across the lithologies, in a channel fashion, to obtain representative material was completed, with sample size of 1-4 kg. Soils sieved -2mm, nominal weight 300gm from 15-20cm depths.
Drilling techniques	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic etc) and details (e.g. core diameter, triple of standard tube, depth of diamond tails, face-sampling bit or other type, whether core is orientated and if so, by what method, etc).</i>	No drilling is being reported.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	No drilling is being reported.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	No drilling is being reported.
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	No drilling is being reported.
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Sample type and landform/regolith settings were recorded, and geo-tagged photos of samples and settings taken. No drilling reported.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	Geochemical sample from regolith, rockchip from outcrop.

Criteria	JORC Code explanation	Commentary
	<i>The total length and percentage of the relevant intersections logged.</i>	
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	No sub-sampling has been undertaken.
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	
	<i>Quality control procedures adopted for all sub- sampling stages to maximise representivity of samples.</i>	No sub-sampling has been undertaken.
	<i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second- half sampling.</i>	No sub-sampling has been undertaken.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	For Rockchip, the sample size of 1-4 kilograms is appropriate and representative of the grain size and mineralisation style of the deposit. For geochemical sample, the sample size of 0.3 kilograms is appropriate and representative of the grain size and mineralisation style of the deposit.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	Rock chip samples have been submitted to ALS Laboratories for analysis by 4 Acid digest with ME-MS81L-REE for a comprehensive suite of pegmatitic and related elements. Elements were: Ba, Ce, Cr, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb, Sc, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tm, U, V, W, Y, Zr. Soil samples were submitted to ALS Laboratories for analysis by Aqua Regia digest using method ME-MS41L™. Elements were: Ag, Al, As, Ba, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Ge, Hf, Ho, In, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr. Au by Au-TL44. REE analysed using MS41L-REE™, elements were: Dy, Er, Eu, Gd, Ho, Lu, Nd, Pr, Sm, Tb, Tm & Yb. CRM & field duplicated samples were inserted every 25 samples for QA/QC control
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Assay results are reviewed by 2 company personnel.
	<i>The use of twinned holes.</i>	No drilling being reported
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All field data were collected manually and transferred to spreadsheets. Sample location coordinates were determined and recorded using a handheld GPS and by geotagged photographs.

	<i>Discuss any adjustment to assay data.</i>	<p>The REE assay data were converted from reported elemental assays to the equivalent oxide compound as applicable to rare earth oxides. The oxides were calculated from the element according to the following factors:</p> <ul style="list-style-type: none"> • CeO₂ 1.1526 • La₂O₃ 1.1728 • Nd₂O₃ 1.1664 • Pr₆O₁₁ 1.2082 • Dy₂O₃ 1.1477 • Er₂O₃ 1.1435 • Eu₂O₃ 1.1579 • Gd₂O₃ 1.1526 • Ho₂O₃ 1.1455 • Lu₂O₃ 1.1371 • Sm₂O₃ 1.1596 • Tb₂O₃ 1.1762 • Tm₂O₃ 1.1421 • Y₂O₃ 1.2699 • Yb₂O₃ 1.1387
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	All locations determined by handheld GPS using GDA94 datum in UTM Zone 50.
	<i>Specification of the grid system used.</i>	
	<i>Quality and adequacy of topographic control.</i>	
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Sample spacing is on the location of the surface outcrop of pegmatites.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	Sampling type and spacing not designed to be used in an MRE.
	<i>Whether sample compositing has been applied.</i>	No compositing has been applied.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Sampling was of a reconnaissance nature only and was not designed to achieve unbiased sampling. No drilling reported.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	No drilling has been undertaken and orientation of structures is unknown.
Sample security	<i>The measures taken to ensure sample security.</i>	All rockchip samples were placed in calico bags, taken to Perth and delivered to ALS laboratory by White Cliff staff.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No audits or reviews have been undertaken by White Cliff staff, and unknown for CSIRO.

Section 2: Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i>	<p>The exploration license applications, ELA09/2641 and ELA09/2628 are held 100% by Electrification Metals Ltd, a wholly owned subsidiary of White Cliff Minerals Ltd.</p> <p>ELA09/2607, ELA09/2608, ELA09/2629 and</p>

Criteria	JORC Code explanation	Commentary
		ELA09/2630 are held 100% by Magnet Resource Company Pty Ltd. The tenements are on the Yinnetharra pastoral station.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	To the best of Electrification's knowledge, there are no other known impediments to operate on the ELs.
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	Yinnetharra has been explored for Uranium, with limited shallow drilling.
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	The tenements are located in the Gascoyne centred 200km to the east of Carnarvon. Dominant rock types are medium- to coarse-grained granites, gneisses and migmatites, and crosscutting dolerite dykes. There is extensive sandplain cover in morphologically high areas, colluvium and alluvium dominate around slopes and in drainage.
Drill hole Information	<p><i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i></p> <ul style="list-style-type: none"> • easting and northing of the drill hole collar • elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar • dip and azimuth of the hole • down hole length and interception depth • hole length. <p><i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i></p>	No drilling being reported.
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg. cutting of high grades) and cut-off grades are usually Material and should be stated.</i>	No aggregation methods have been used.
	<i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i>	No aggregation methods have been used.
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	No metal equivalent values are being used.
Relationship between mineralisation widths and intercept lengths	<i>These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	No mineralisation widths have been reported.

Criteria	JORC Code explanation	Commentary
Diagrams	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drillhole collar locations and appropriate sectional views.</i>	Location maps of projects within the release with relevant exploration information contained.
Balanced reporting	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	The reporting of exploration results is considered balanced by the competent person. The locations of rock chip samples will be released once assays are returned from the laboratory.
Other substantive exploration data	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	No other exploration to report.
Further work	<i>The nature and scale of planned further work (eg. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	A high Resolution Magnetic and Radiometric survey is to be flown with further surface sampling, mapping and drilling of potential targets.