ASX Announcement

encounter RESOURCES LIMITED

14 September 2026

High-Grade Niobium Zone Emerging at Joyce

Encounter Resources (ASX: ENR) ('Encounter' or **'the Company')** is pleased to announce high-grade intersections ending in mineralisation at the Joyce prospect ("Joyce"), part of the Aileron Project. Joyce is located approximately 6 km east of the Green Deposit.

Key Highlights:

- **High-grade, end-of-hole niobium intersections at Joyce:** Aircore drilling at Joyce has intersected high-grade mineralisation including:
  - **4m @ 2.4% Nb_2O_5 from 40m to end of hole** (EAL1692)
  - **6m @ 1.3% Nb_2O_5** from **88m to end of hole** (EAL1693)
- **Joyce is ~6km east of Green,** providing another opportunity to add additional shallow, high-grade niobium resources
- **Validates the Company's targeting strategy** and demonstrates further regional upside as prospects are systematically tested
- **Three rigs currently operating at Aileron with a strong pipeline of results through the remainder of 2026;** including further Joyce aircore results expected in October, the first diamond hole at Emily confirming depth extent and further infill/extensional drilling at Green

Managing Director, Will Robinson, comments:

"Encounter continues to build on what is already a province scale carbonatite system at Aileron, with Joyce shaping up as another zone of shallow, end of hole, high grade mineralisation, located ~6km east of Green. Further assay results are due next month from drilling along strike which will give us a clearer picture of the dimensions of mineralisation.

The Company is laying the groundwork for continued growth of its resource base, while also completing infill drilling on the expected high-grade starter pit areas within its existing resource, as part of its dual track strategy of systematic exploration and de-risking the path to development."

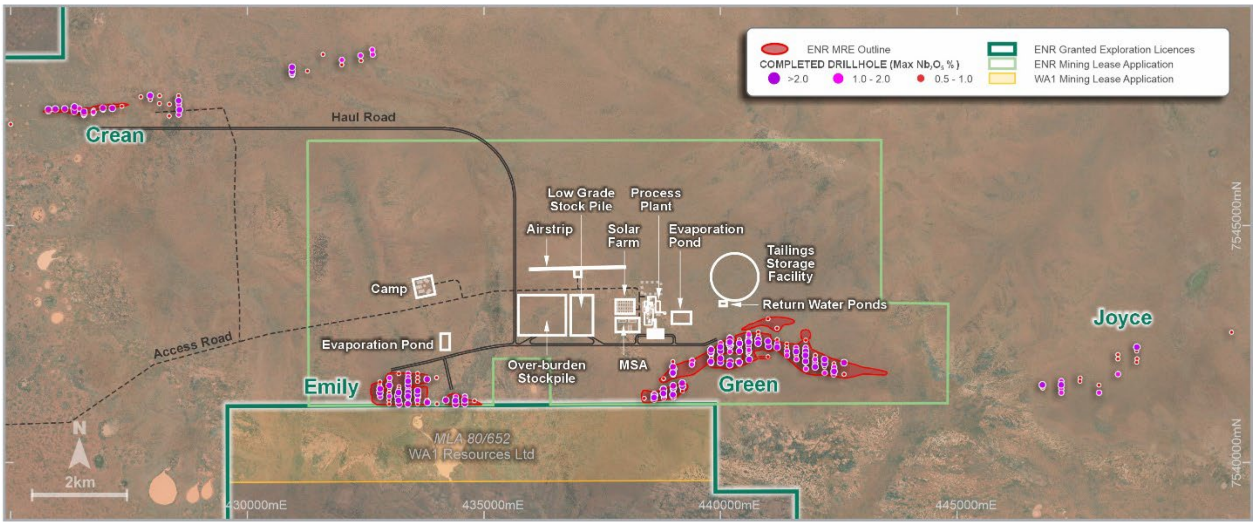

Figure 1 – Conceptual Site Layout for the Aileron Project

Background - Joyce

Initial aircore drilling at the Joyce prospect in 2024 identified strong anomalism in niobium and rare earth elements (REE). Subsequent follow up drilling at Joyce determined its potential to host high-grade niobium with an intersection of 9m @ 2.2% Nb_2O_5 from 120m to end of hole in 2025[2].

The first results from the 2026 aircore drilling at Joyce have confirmed a continuous high-grade zone of niobium mineralisation. These results include:

- **4m @ 2.4% Nb_2O_5 from 40m to <u>end of hole</u>** (EAL1692)
- **6m @ 1.3% Nb_2O_5** from 88m within 8m @ 1.0% Nb_2O_5 from **88m to <u>end of hole</u>** (EAL1693)
- **2m @ 1.6% Nb_2O_5** from 34m and **2m @ 1.3% Nb_2O_5** from 86m within 10m @ 0.6% Nb_2O_5 from 86m to **<u>end of hole</u>** (EAL1694)

The Company is awaiting assay results from 200m on either side of the results reported herein, which will assist in determining lateral continuity of the high-grade zone identified and inform the design of deeper drilling at Joyce.

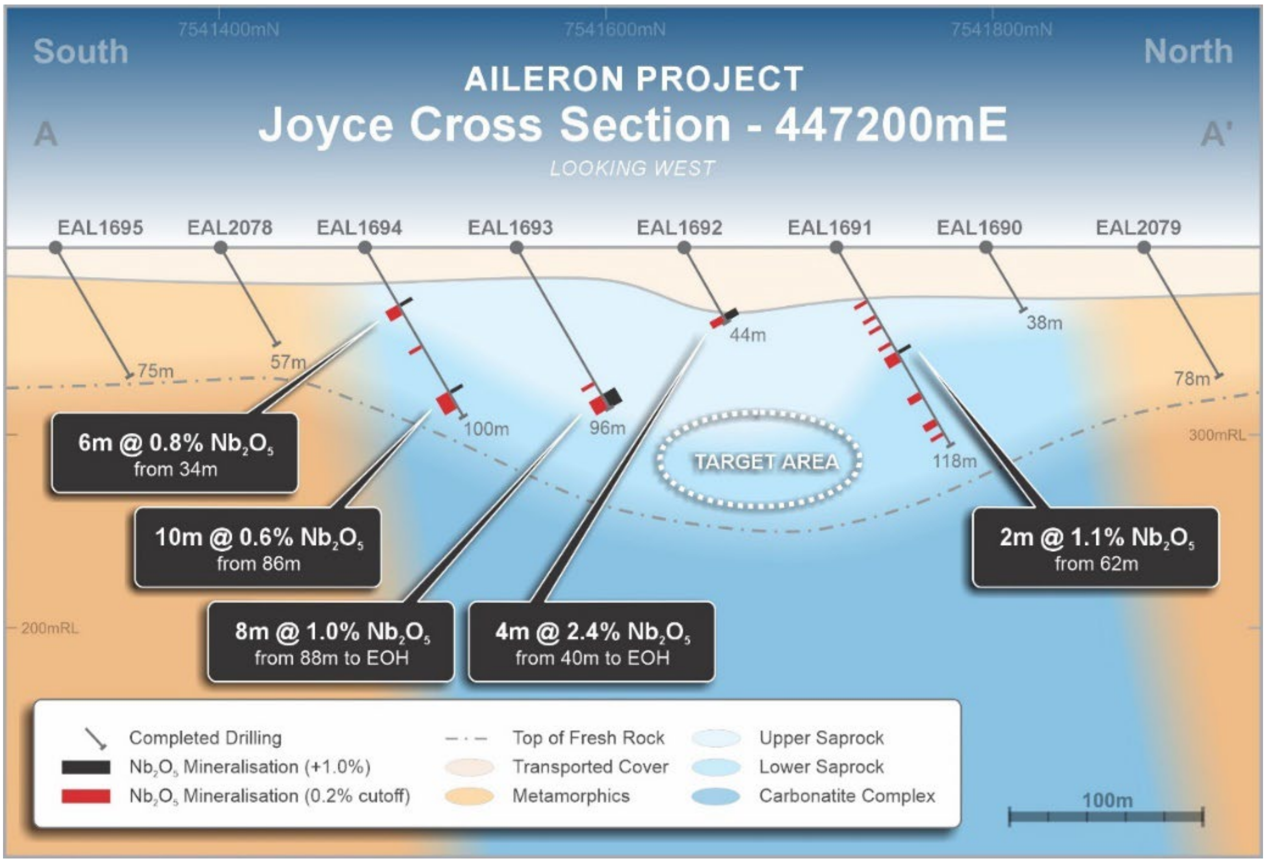

Figure 2 – Joyce Deposit 447200E – Cross Section A-A'

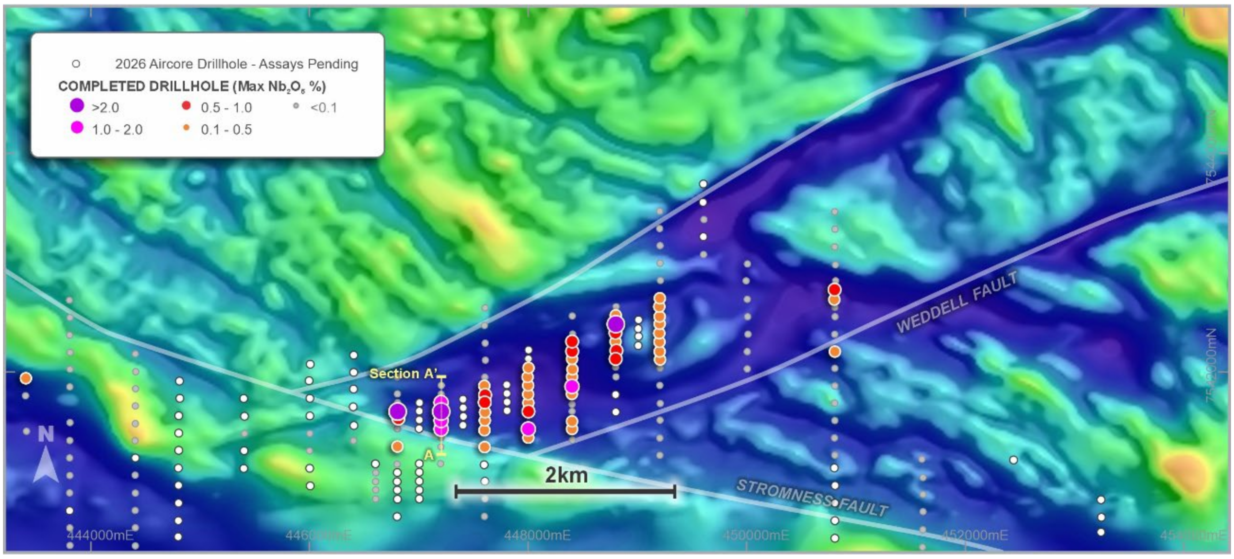

Figure 3 – Green and Joyce Plan (Magnetics TMI 1vd) – New high-grade niobium zone emerging at Joyce, 6km from Green[1,2,3]

Strong Flow of Results Expected Through Remainder of 2026

Three drill rigs continue to operate at Aileron and the Company expects a strong flow of assay results over the coming months. Upcoming results and activity include:

- Initial diamond hole at Emily (completed to depth of 140m) following up end of hole high-grade niobium in aircore drilling from August 2026. Results expected in October 2026, with subsequent holes planned before the end of the 2026 season
- Further results from aircore drilling at Joyce expected in October 2026
- Infill and extensional drilling across high-grade potential starter pits at Green
- Regional aircore drilling through high-priority targets with a results update targeted by November
- Key pre-development activities including geotechnical and hydrogeological drilling, metallurgical testwork, flora, fauna and heritage surveys and project studies

-ENDS-

This announcement has been approved for release by the Board of Directors of Encounter Resources Limited.

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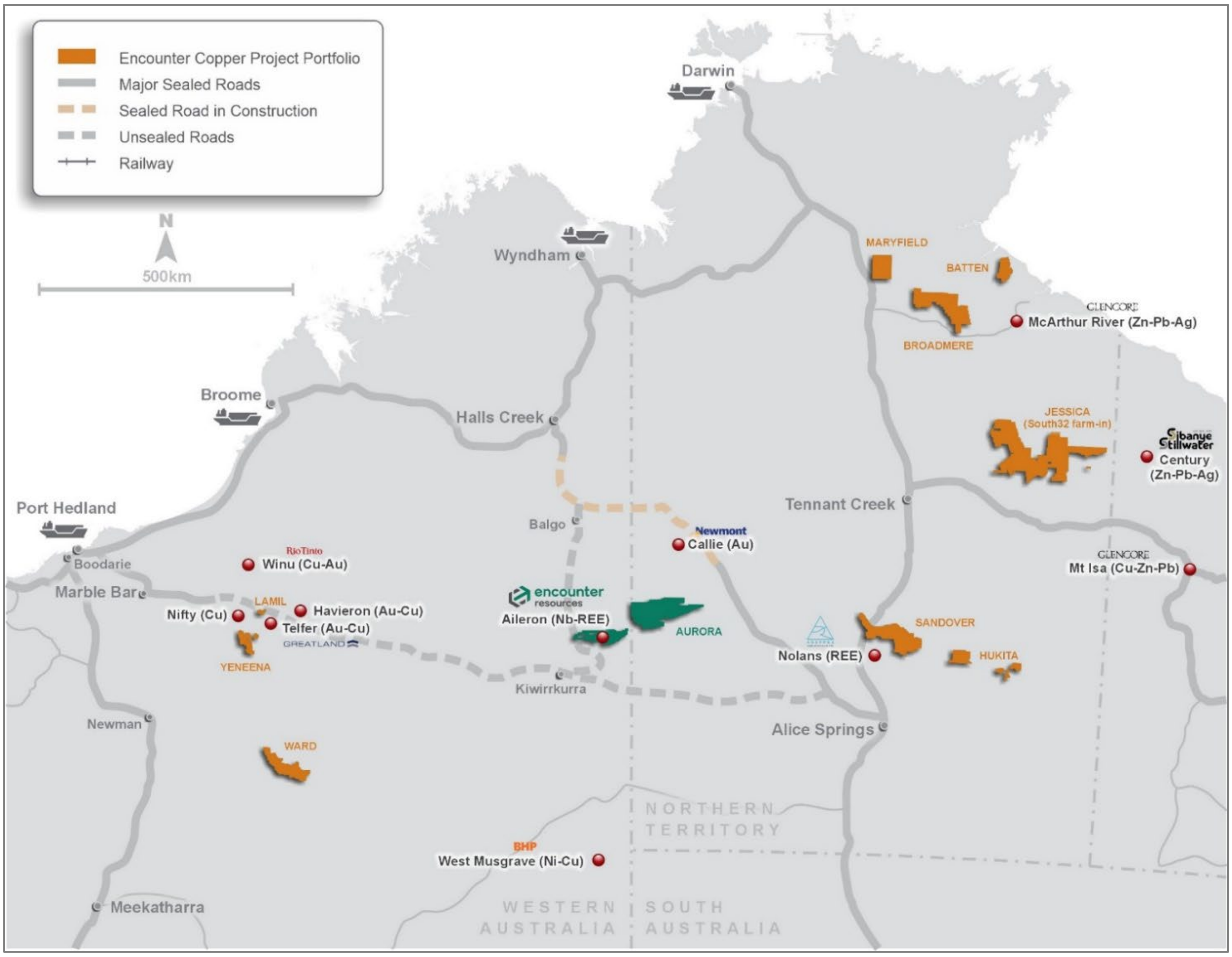
About Encounter

Encounter Resources Limited (ASX:ENR) is advancing the Aileron Project, a globally significant niobium discovery in the emerging West Arunta province of Western Australia.

The Aileron Inferred Resource has grown to 120Mt @ 0.77% Nb_2O_5, containing a high-grade resource of 26Mt @ 1.7% Nb_2O_5, providing a strong foundation for a potential long-life, high-grade mining operation. Encounter received the 2025 AMEC Prospector Award Winner for the Aileron niobium-REE discovery.

The Company is also advancing an extensive portfolio of 100%-owned projects, located in some of Australia's most prospective mineral belts, focused on the discovery of major copper/gold deposits.

Encounter's strategy is centred on high-impact mineral discovery in Tier 1 jurisdictions, leveraging strong technical capability and a proven track record of attracting leading industry partners.



Deposit	0.25% Nb_2O_5 cut-off Tonnage (Mt)	Nb_2O_5 (%)	Nb_2O_5 (kt)	TREO (%)	TREO (kt)	P_2O_5 (%)	P_2O_5 (kt)
Green	100	0.71	711	0.34	341	5.4	5,401
Emily	13.9	0.93	130	0.32	45	7.4	1,035
Crean	5.7	1.4	78	0.84	48	7.4	423
Total	**120**	**0.77**	**919**	**0.36**	**433**	**5.7**	**6,858**
	1.0% Nb_2O_5 cut-off (subset of 0.25% Nb_2O_5 cut-off)						
Deposit	**Tonnage (Mt)**	**Nb_2O_5 (%)**	**Nb_2O_5 (kt)**	**TREO (%)**	**TREO (kt)**	**P_2O_5 (%)**	**P_2O_5 (kt)**
Green	19	1.6	291	0.46	86	7.8	1,472
Emily	3.7	1.9	71	0.61	22	11.2	414
Crean	3.5	1.9	67	1.1	36	8.2	283
Total	**26**	**1.7**	**430**	**0.56**	**146**	**8.4**	**2,173**

Table 1 – Aileron Project Inferred Mineral Resource Estimate[1]

Inferred Mineral Resource Estimate (JORC 2012)			
Domain	**Tonnes (Mt)**	**Copper Grade (%)**	**Contained Copper Metal (kt)**
HG	1.1	1.27%	8.2
LG	1.7	0.48%	14.0
Total	**2.9**	**0.79%**	**22.6**

Table 2 – Tyrell Copper Oxide Mineral Resource Estimate[4]

Notes

Table 1:

- *The resource is constrained within optimised pit shells based on a price of US$45 per kilogram Nb (US$30/kg FeNb) and is reported above a 0.25% Nb_2O_5 cut-off grade.*
- *The resource reported above a 1% Nb_2O_5 cut-off grade is a subset of the 0.25% Nb_2O_5 cut-off grade.*
- *All figures are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding.*

Table 2

- *The resource is constrained within an optimised pit shell based on a Cu price of A$17,000 per tonne and is reported above a 0.25% Cu cut-off grade.*
- *All tonnages reported are dry metric tonnes.*

The information in this report that relates to Exploration Results is based on information compiled by Mr Mark Brodie, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Brodie holds shares and options in and is a full time employee of Encounter Resources Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Brodie consents to the inclusion in the report of the matters based on the information compiled by him, in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases and confirms that it is not aware of any new data or information that materially affects the information disclosed in this announcement and previously released by the Company in relation to mineral resource estimates. All material assumptions and technical parameters underpinning the mineral resource estimates in the relevant market announcements continue to apply and have not materially changed.

The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

[1] **ENR ASX announcement 22 April 2026**
[2] **ENR ASX announcement 1 July 2025**
[3] **ENR ASX announcement 18 February 2026**
[4] **ENR ASX announcement 26 September 2026**

Hole ID	from (m)	to (m)	interval (m)	Nb_2O_5 %	TREO %	$Nd_2O_3+Pr_2O_3$ (ppm)	$Tb_2O_3+Dy_2O_3$ (ppm)	NdPr/TREO	DyTb/TREO	P205 %
EAL1691	32	34	2	0.21	0.06	136	6	22.3	0.9	0.3
and	40	42	2	0.43	0.09	202	10	23.7	1.2	0.8
and	46	48	2	0.43	0.01	12	1	18.6	1.7	0.2
and	56	58	2	0.78	0.06	124	6	21.2	1.1	0.9
and	62	68	6	0.68	0.02	50	2	20.9	0.9	0.2
incl	62	64	2	1.11	0.03	64	3	20.6	1.0	0.3
and	86	90	4	0.26	0.13	300	13	22.3	1.0	3.4
and	102	106	4	0.28	0.01	24	1	20.5	1.1	0.5
and	110	112	2	0.26	0.05	129	6	24.0	1.1	2.3
EAL1692	40	44*	4	2.41	0.74	1746	111	22.9	1.6	4.7
EAL1693	80	82	2	0.66	0.22	335	16	15.3	0.7	1.5
and	88	96*	8	1.05	0.36	719	41	20.4	1.2	2.0
incl	88	94	6	1.33	0.43	872	50	20.5	1.2	2.5
EAL1694	34	40	6	0.80	0.20	394	34	19.4	1.7	0.9
incl	34	36	2	1.63	0.28	580	45	20.5	1.6	1.1
and	58	60	2	0.28	0.10	199	13	19.2	1.3	0.9
and	86	96	10	0.57	0.18	426	24	23.1	1.3	3.1
incl	86	88	2	1.25	0.30	700	40	23.5	1.3	1.2
EAL1697	50	51	1	0.32	0.03	55	10	19.1	3.5	0.2
EAL1698	58	62	4	0.42	0.02	45	3	21.2	1.5	0.3
EAL1699	42	44	2	0.30	0.03	58	6	20.2	2.0	0.1
EAL1709	33	41	8	0.24	0.27	582	22	21.7	0.9	0.6
and	53	55	2	0.22	0.68	1983	54	29.0	0.8	2.1
and	113	117	4	0.24	0.07	157	11	21.4	1.5	2.3
and	125	135*	10	0.21	0.08	167	12	21.5	1.7	1.8
EAL1710	32	34	2	0.24	0.02	38	1	15.7	0.5	0.1
and	58	60	2	0.40	0.04	84	11	21.6	2.8	0.3
and	76	80	4	0.26	0.02	43	3	23.3	1.7	0.1
EAL1711	35	37	2	0.31	0.03	64	6	20.6	1.9	0.1
and	51	53	2	0.27	0.03	54	6	17.3	1.9	0.0
and	65	67	2	0.25	0.04	84	7	21.0	1.8	0.2
EAL1712	44	52	8	0.28	0.14	216	45	16.1	2.7	0.9
EAL1714	38	46	8	0.29	0.09	168	18	18.6	2.0	0.1
and	60	62	2	0.21	0.34	681	60	20.1	1.8	4.8
EAL1715	57	59	2	1.54	0.19	365	23	19.7	1.3	0.4
EAL1717	83	95	12	0.35	0.92	1991	115	21.6	1.3	2.7
EAL1718	56	66	10	0.21	0.18	401	23	22.6	1.3	0.6
EAL1718	114	120	6	0.26	0.30	688	43	22.8	1.4	8.7
EAL1718	128	135*	7	0.23	0.10	233	15	23.1	1.4	2.9
EAL1722	76	77	1	0.46	0.28	585	38	20.9	1.3	0.5
EAL1723	37	59	22	0.72	0.39	831	60	21.3	1.7	10.6
incl	51	57	6	1.65	0.72	1530	94	21.1	1.4	20.5

Hole ID	from (m)	to (m)	interval (m)	Nb_2O_5 %	TREO %	$Nd_2O_3+Pr_2O_3$ (ppm)	$Tb_2O_3+Dy_2O_3$ (ppm)	NdPr/TREO	DyTb/TREO	P205 %
and	69	73	4	0.27	0.13	257	14	19.9	1.1	5.9
and	79	103	24	0.38	0.13	273	18	21.0	1.5	6.6
incl	99	101	2	1.49	0.16	344	23	21.3	1.4	6.1
EAL1724	34	60	26	0.32	0.22	519	30	23.0	1.4	1.7
and	66	68	2	0.24	0.15	342	24	22.4	1.6	2.9
EAL1725	35	55	20	0.28	0.26	585	28	21.2	1.2	1.6
and	65	73	8	0.21	0.12	222	11	18.7	0.9	1.7
EAL1726	44	68	24	0.40	0.14	300	22	21.8	1.7	0.7
EAL1727	39	47	8	0.34	0.44	926	76	21.1	1.8	4.4
and	77	79	2	0.24	0.12	276	19	23.7	1.7	4.0
EAL2076	37	41	4	0.21	0.84	1788	134	21.3	1.6	2.5
and	89	93	4	0.33	0.33	690	44	21.0	1.3	8.2
EAL2081	28	30	2	0.33	0.23	515	53	22.4	2.3	0.2
and	34	42	8	0.47	0.12	252	23	20.9	1.9	0.2
and	64	66	2	0.41	0.06	115	15	18.8	2.4	0.8

Table 3. Drillhole assay intersections above 0.2% Nb2O5. Intervals greater than 1% Nb2O5 have been reported as including intervals. *Denotes intersection to the end of hole.

Hole_ID	Hole_Type	NAT_Grid_ID	NAT_North	NAT_East	NAT_RL	Total_Depth	Lease_ID	Collar_Dip	Collar_Azim
EAL1012A	AC	MGA94_52	7541479	446801	398	81	E80/5469	-60	0.0
EAL1186	AC	MGA94_52	7541719	446801	400	30	E80/5469	-60	0.0
EAL1186	AC	MGA94_52	7541719	446801	400	30	E80/5469	-60	0.0
EAL1187A^	AC	MGA94_52	7541564	446802	399	112	E80/5469	-60	0.0
EAL1650^	AC	MGA94_52	7541917	444807	394	48	E80/5469	-60	0.0
EAL1651^	AC	MGA94_52	7541760	444809	394	22	E80/5469	-60	0.0
EAL1652^	AC	MGA94_52	7541600	444799	394	23	E80/5469	-60	0.0
EAL1653^	AC	MGA94_52	7541442	444799	393	28	E80/5469	-60	0.0
EAL1654~	AC	MGA94_52	7541284	444799	393	42	E80/5469	-60	0.0
EAL1655~	AC	MGA94_52	7541121	444797	392	96	E80/5469	-60	0.0
EAL1656~	AC	MGA94_52	7540963	444798	392	88	E80/5469	-60	0.0
EAL1657^	AC	MGA94_52	7540800	444798	391	46	E80/5469	-60	0.0
EAL1658^	AC	MGA94_52	7540639	444797	392	64	E80/5469	-60	0.0
EAL1659^	AC	MGA94_52	7540492	444795	392	42	E80/5469	-60	0.0
EAL1660^	AC	MGA94_52	7541758	445394	396	39	E80/5469	-60	0.0
EAL1661^	AC	MGA94_52	7541595	445401	396	48	E80/5469	-60	0.0
EAL1662	AC	MGA94_52	7541437	445400	395	70	E80/5469	-60	0.0
EAL1663~	AC	MGA94_52	7541281	445398	394	114	E80/5469	-60	0.0
EAL1664^	AC	MGA94_52	7541117	445394	393	79	E80/5469	-60	0.0
EAL1670^	AC	MGA94_52	7542071	446002	399	43	E80/5469	-60	0.0
EAL1671^	AC	MGA94_52	7541921	445992	398	45	E80/5469	-60	0.0
EAL1672^	AC	MGA94_52	7541759	446000	398	52	E80/5469	-60	0.0
EAL1673^	AC	MGA94_52	7541599	445999	398	42	E80/5469	-60	0.0
EAL1674	AC	MGA94_52	7541438	445997	397	70	E80/5469	-60	0.0

Hole_ID	Hole_Type	NAT_Grid_ID	NAT_North	NAT_East	NAT_RL	Total_Depth	Lease_ID	Collar_Dip	Collar_Azim
EAL1675	AC	MGA94_52	7541279	445994	396	62	E80/5469	-60	0.0
EAL1676^	AC	MGA94_52	7541119	445998	395	134	E80/5469	-60	0.0
EAL1677^	AC	MGA94_52	7540959	446003	395	44	E80/5469	-60	0.0
EAL1680^	AC	MGA94_52	7542154	446400	402	59	E80/5469	-60	0.0
EAL1681^	AC	MGA94_52	7541997	446400	402	32	E80/5469	-60	0.0
EAL1682^	AC	MGA94_52	7541844	446399	400	71	E80/5469	-60	0.0
EAL1683^	AC	MGA94_52	7541681	446396	399	61	E80/5469	-60	0.0
EAL1684^	AC	MGA94_52	7541510	446403	398	51	E80/5469	-60	0.0
EAL1685	AC	MGA94_52	7541371	446397	398	39	E80/5469	-60	0.0
EAL1686	AC	MGA94_52	7541156	446796	398	74	E80/5469	-60	0.0
EAL1687^	AC	MGA94_52	7540997	446798	398	87	E80/5469	-60	0.0
EAL1688^	AC	MGA94_52	7540836	446800	397	60	E80/5469	-60	0.0
EAL1689^	AC	MGA94_52	7540677	446797	395	72	E80/5469	-60	0.0
EAL1690	AC	MGA94_52	7541797	447198	397	38	E80/5469	-60	0.0
EAL1691	AC	MGA94_52	7541719	447199	397	118	E80/5469	-60	0.0
EAL1692	AC	MGA94_52	7541640	447201	397	44	E80/5469	-60	0.0
EAL1693	AC	MGA94_52	7541554	447199	396	96	E80/5469	-60	0.0
EAL1694	AC	MGA94_52	7541476	447199	396	100	E80/5469	-60	0.0
EAL1695	AC	MGA94_52	7541316	447197	396	75	E80/5469	-60	0.0
EAL1696	AC	MGA94_52	7541161	447194	395	75	E80/5469	-60	0.0
EAL1697	AC	MGA94_52	7541874	447596	395	52	E80/5469	-60	0.0
EAL1698	AC	MGA94_52	7541720	447598	394	99	E80/5469	-60	0.0
EAL1699	AC	MGA94_52	7541557	447601	394	50	E80/5469	-60	0.0
EAL1700^	AC	MGA94_52	7541152	447594	393	84	E80/5469	-60	0.0
EAL1701^	AC	MGA94_52	7541001	447600	393	57	E80/5469	-60	0.0
EAL1702	AC	MGA94_52	7540839	447601	392	81	E80/5469	-60	0.0
EAL1703	AC	MGA94_52	7540678	447596	393	84	E80/5469	-60	0.0
EAL1709	AC	MGA94_52	7542038	448001	393	135	E80/5469	-60	0.0
EAL1710	AC	MGA94_52	7541955	447991	393	96	E80/5469	-60	0.0
EAL1711	AC	MGA94_52	7541876	447997	393	85	E80/5469	-60	0.0
EAL1712	AC	MGA94_52	7541795	447996	393	71	E80/5469	-60	0.0
EAL1713	AC	MGA94_52	7541718	447998	392	57	E80/5469	-60	0.0
EAL1714	AC	MGA94_52	7541637	447998	392	65	E80/5469	-60	0.0
EAL1715	AC	MGA94_52	7541477	447997	392	78	E80/5469	-60	0.0
EAL1716	AC	MGA94_52	7541398	447999	392	47	E80/5469	-60	0.0
EAL1717	AC	MGA94_52	7542279	448398	392	132	E80/5469	-60	0.0
EAL1718	AC	MGA94_52	7542119	448399	392	135	E80/5469	-60	0.0
EAL1719	AC	MGA94_52	7541957	448398	391	119	E80/5469	-60	0.0
EAL1720	AC	MGA94_52	7541798	448396	391	53	E80/5469	-60	0.0
EAL1721	AC	MGA94_52	7541639	448396	391	60	E80/5469	-60	0.0
EAL1722	AC	MGA94_52	7541479	448398	391	78	E80/5469	-60	0.0
EAL1723	AC	MGA94_52	7542439	448798	390	113	E80/5469	-60	0.0
EAL1724	AC	MGA94_52	7542357	448795	390	135	E80/5469	-60	0.0

Hole_ID	Hole_Type	NAT_Grid_ID	NAT_North	NAT_East	NAT_RL	Total_Depth	Lease_ID	Collar_Dip	Collar_Azim
EAL1725	AC	MGA94_52	7542279	448797	390	114	E80/5469	-60	0.0
EAL1726	AC	MGA94_52	7542195	448803	390	84	E80/5469	-60	0.0
EAL1727	AC	MGA94_52	7542119	448797	390	94	E80/5469	-60	0.0
EAL1728	AC	MGA94_52	7542044	448795	390	104	E80/5469	-60	0.0
EAL1729	AC	MGA94_52	7541957	448799	390	107	E80/5469	-60	0.0
EAL1730^	AC	MGA94_52	7541794	448797	390	111	E80/5469	-60	0.0
EAL1731^	AC	MGA94_52	7541635	448798	390	61	E80/5469	-60	0.0
EAL1732	AC	MGA94_52	7542598	449197	389	62	E80/5469	-60	0.0
EAL1733	AC	MGA94_52	7542441	449199	389	74	E80/5469	-60	0.0
EAL1734	AC	MGA94_52	7542275	449198	389	77	E80/5469	-60	0.0
EAL1735	AC	MGA94_52	7542113	449203	389	135	E80/5469	-60	0.0
EAL1736^	AC	MGA94_52	7543721	449599	388	75	E80/5469	-60	0.0
EAL1737^	AC	MGA94_52	7543554	449597	388	80	E80/5469	-60	0.0
EAL1738#	AC	MGA94_52	7543396	449603	388	118	E80/5469	-60	0.0
EAL1739^	AC	MGA94_52	7543239	449599	388	121	E80/5469	-60	0.0
EAL1740#	AC	MGA94_52	7543077	449600	388	78	E80/5469	-60	0.0
EAL2034^	AC	MGA94_52	7539921	450802	387	135	E80/5469	-60	0.0
EAL2035^	AC	MGA94_52	7540001	450803	388	86	E80/5469	-60	0.0
EAL2036^	AC	MGA94_52	7540156	450803	388	88	E80/5469	-60	0.0
EAL2037^	AC	MGA94_52	7540297	450801	389	51	E80/5469	-60	0.0
EAL2038^	AC	MGA94_52	7540478	450802	390	51	E80/5469	-60	0.0
EAL2039^	AC	MGA94_52	7540639	450803	390	59	E80/5469	-60	0.0
EAL2040^	AC	MGA94_52	7540801	450803	391	75	E80/5469	-60	0.0
EAL2041^	AC	MGA94_52	7540961	450804	392	53	E80/5469	-60	0.0
EAL2042^	AC	MGA94_52	7541122	450798	392	68	E80/5469	-60	0.0
EAL2043	AC	MGA94_52	7539918	451607	388	75	E80/5469	-60	0.0
EAL2044	AC	MGA94_52	7540080	451605	388	62	E80/5469	-60	0.0
EAL2045	AC	MGA94_52	7540240	451605	390	54	E80/5469	-60	0.0
EAL2046	AC	MGA94_52	7540398	451603	391	42	E80/5469	-60	0.0
EAL2047	AC	MGA94_52	7540557	451605	392	32	E80/5469	-60	0.0
EAL2048	AC	MGA94_52	7540723	451608	393	54	E80/5469	-60	0.0
EAL2049	AC	MGA94_52	7540880	451607	394	47	E80/5469	-60	0.0
EAL2050	AC	MGA94_52	7541035	451607	394	38	E80/5469	-60	0.0
EAL2051	AC	MGA94_52	7541203	451598	394	48	E80/5469	-60	0.0
EAL2060^	AC	MGA94_52	7541195	452437	389	79	E80/5469	-60	0.0
EAL2061	AC	MGA94_52	7539881	453242	383	89	E80/5469	-60	0.0
EAL2062	AC	MGA94_52	7540038	453238	384	68	E80/5469	-60	0.0
EAL2063^	AC	MGA94_52	7540198	453239	385	72	E80/5469	-60	0.0
EAL2064^	AC	MGA94_52	7540356	453239	386	66	E80/5469	-60	0.0
EAL2065^	AC	MGA94_52	7540535	453237	386	53	E80/5469	-60	0.0
EAL2066^	AC	MGA94_52	7540670	453241	386	57	E80/5469	-60	0.0
EAL2067^	AC	MGA94_52	7540831	453237	386	46	E80/5469	-60	0.0
EAL2074^	AC	MGA94_52	7542120	447999	393	135	E80/5469	-60	0.0

Hole_ID	Hole_Type	NAT_Grid_ID	NAT_North	NAT_East	NAT_RL	Total_Depth	Lease_ID	Collar_Dip	Collar_Azim
EAL2075^	AC	MGA94_52	7542202	448000	394	135	E80/5469	-60	0.0
EAL2076	AC	MGA94_52	7542519	448799	390	125	E80/5469	-60	0.0
EAL2077	AC	MGA94_52	7542598	448800	390	124	E80/5469	-60	0.0
EAL2078	AC	MGA94_52	7541401	447199	396	57	E80/5469	-60	0.0
EAL2079	AC	MGA94_52	7541878	447200	398	78	E80/5469	-60	0.0
EAL2080#	AC	MGA94_52	7542592	450801	391	36	E80/5469	-60	0.0
EAL2081	AC	MGA94_52	7542752	450800	391	73	E80/5469	-60	0.0
EAL2123#	AC	MGA94_52	7540838	446600	396	63	E80/5469	-60	0.0
EAL2124#	AC	MGA94_52	7540921	446601	397	67	E80/5469	-60	0.0
EAL2125#	AC	MGA94_52	7540998	446599	397	69	E80/5469	-60	0.0
EAL2126#	AC	MGA94_52	7541079	446600	398	70	E80/5469	-60	0.0
EAL2127^	AC	MGA94_52	7541160	446599	398	57	E80/5469	-60	0.0
EAL2128^	AC	MGA94_52	7540920	446799	397	96	E80/5469	-60	0.0
EAL2129^	AC	MGA94_52	7541081	446799	398	107	E80/5469	-60	0.0
EAL2130^	AC	MGA94_52	7540840	447000	396	78	E80/5469	-60	0.0
EAL2131^	AC	MGA94_52	7540920	447001	396	39	E80/5469	-60	0.0
EAL2132^	AC	MGA94_52	7541000	447001	396	61	E80/5469	-60	0.0
EAL2134^	AC	MGA94_52	7541083	447000	396	123	E80/5469	-60	0.0
EAL2135^	AC	MGA94_52	7541161	447001	397	39	E80/5469	-60	0.0
EAL2136^	AC	MGA94_52	7541512	447401	395	132	E80/5469	-60	0.0
EAL2137^	AC	MGA94_52	7541593	447403	395	60	E80/5469	-60	0.0
EAL2138^	AC	MGA94_52	7541674	447402	395	61	E80/5469	-60	0.0
EAL2139^	AC	MGA94_52	7541752	447401	396	81	E80/5469	-60	0.0
EAL2140^	AC	MGA94_52	7541647	447804	393	48	E80/5469	-60	0.0
EAL2141^	AC	MGA94_52	7541726	447803	393	54	E80/5469	-60	0.0
EAL2142^	AC	MGA94_52	7541804	447802	377	51	E80/5469	-60	0.0
EAL2143^	AC	MGA94_52	7541884	447801	394	113	E80/5469	-60	0.0
EAL2144^	AC	MGA94_52	7542242	449004	389	90	E80/5469	-60	0.0
EAL2145^	AC	MGA94_52	7542328	449006	389	75	E80/5469	-60	0.0
EAL2146^	AC	MGA94_52	7542397	449003	390	83	E80/5469	-60	0.0
EAL2147^	AC	MGA94_52	7542478	449007	390	110	E80/5469	-60	0.0
EAL2148^	AC	MGA94_52	7541481	446999	398	69	E80/5469	-60	0.0
EAL2149^	AC	MGA94_52	7541561	447000	398	133	E80/5469	-60	0.0
EAL2150^	AC	MGA94_52	7541643	447000	398	128	E80/5469	-60	0.0
EAL2151^	AC	MGA94_52	7541719	447002	399	41	E80/5469	-60	0.0

Table 4. Drillhole collar table. ^ Denotes assays pending. # Denotes ME-AR digest. ~ Denotes abandoned hole.

SECTION 1 SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Commentary
Sampling techniques	*Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sounds, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*	Reported drilling has been completed at Joyce to obtain samples for geological logging and assaying. All samples underwent routine pXRF analysis using a Bruker S1 TITAN to aid in logging and identifying zones of interest. No pXRF data is being reported.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used	All samples are considered to be representative. Drill hole collar locations were recorded by handheld GPS, which has an estimated accuracy of ± 5m.
	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 (e.g. '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 (e.g. submarine nodules) may warrant disclosure of detailed information	AC drilling at Joyce was used to obtained 1m samples each approximately 1-2kg. Assays reported are from 2 or 4m metre composite samples which were created using a scoop to collect a sample in a pre-numbered calico. These samples were sent for lab analysis. All samples were submitted to ALS Laboratories in Adelaide or Perth where they were crushed and pulverised for analyses. Samples were analysed using ALS method ME-MS81hD or ME-MS81D package (with overlimit determination via ME-XRF30) and Au-TL44. These methods report high grade REE elements by lithium meta-borate fusion and ICP-MS. This method produces quantitative results of all elements, including those encapsulated in resistive minerals. ALS method Au-TL44 reports trace level Au by aqua regia extraction with ICP-MS finish. 50 g nominal sample weight. Selected samples were analysed by ALS method AuME-TL44. This method reports trace level multi elements including gold by Aqua Regia with ICP-MS finish from a 50 g nominal sample weight.
Drilling techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	Results are reported from AC drilling at Joyce. AC holes at Joyce were drilled at diameter of 90mm by Bullion Drilling.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed*	Sample recoveries were estimated as a percentage and recorded by Encounter field staff.
	Measures taken to maximise sample	Driller's used appropriate measures to minimise down-hole and/or cross-hole contamination in drilling. Where

	recovery and ensure representative nature of the samples	contamination of the sample was suspected this was noted by Encounter field staff as a percentage.
	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.	A project review of sample recoveries, grade, sampling methods and twinned drillholes has determined that there is no relationship between sample recovery and grade.
Logging	*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.*	Encounter geologists have completed geological logs on all holes where assays are reported. All reported holes have been logged in full with lithology, alteration and mineralisation recorded. Geological logging has been reviewed using multi element geochemistry to verify geological observations.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Geological logging is qualitative in nature and records interpreted lithology, alteration, mineralisation and other geological features of the samples.
	The total length and percentage of the relevant intersections logged	Encounter geologists have completed geological logs on all holes reported in this announcement
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	No results from core are reported.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	AC drilling at Joyce obtained 1m samples each approximately 1.5-2kg. Assays reported are from 2 or 4 metre composite samples created using a scoop to collect a sample in a pre-numbered calico. These samples were sent for lab analysis. Samples were recorded as being dry, moist or wet in the field by Encounter field staff.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Sample preparation was completed at ALS Laboratories in Perth or Adelaide. AC samples were crushed and pulverised to enable a subsample for analyses. This is considered an appropriate sampling methodology and sample preparation for the drilling type and analysis undertaken.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Field duplicates were taken during AC drilling and were collected using the same sampling method as the primary sample at a rate of 1:50
	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.	Field duplicates were taken during AC drilling and were collected using the same sampling method as the primary sample at a rate of 1:50
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample sizes, sub -sampling techniques and sample preparation are considered to be appropriate for the material being sampled.
Quality of assay data and	*The nature, quality and appropriateness of the assaying and*	All samples were submitted to ALS Laboratories in Perth for analysis.

laboratory tests	*laboratory procedures used and whether the technique is considered partial or total.*	Assays have been reported from ALS ME-MS81hD or ME-MS81D (package of methods ME-MS81(h) + MEICP06) and Au_TL44. ALS method ME-MS81(h) reports high grade rare earth elements via fusion with lithium borate flux followed by acid dissolution of the fused bead coupled with ICP-MS analysis. It provides a quantitative analytical approach for a broad suite of trace elements. This method is considered a complete digestion allowing resistive mineral phases to be liberated. Elements reported: 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, Yb, Zr. Additionally whole rock oxides are reported by method ME-ICP06 by analysing the same digested solution by ICP-AES and include LOI. Oxides reported: Al2O3, BaO, CaO, Cr2O3, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SiO2, SrO, TiO2, LOI Niobium overlimit determination (>50,000ppm Nb) completed via ALS method ME-XRF30. Assays have been reported from MEXRF30 when completed. ALS method Au-TL44 reports trace level Au by aqua regia extraction with ICP-MS finish. 50 g nominal sample weight. Selected samples were analysed by ALS method AuME-TL44. This method reports trace level multi elements including gold by Aqua Regia with ICP-MS finish from a 50 g nominal sample weight.
	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.	Samples underwent routine pXRF analysis at 1m intervals using a Bruker S1 TITAN to aid in geological logging and identifying zones of interest. All pXRF readings were taken in GeoExploration mode with a 30 second 3 beam reading. OREAS supplied standard reference materials were used to calibrate the pXRF instrument. No pXRF results are being reported.
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	Standard field and laboratory QAQC was undertaken and monitored for each batch. Encounter submits an independent suite of certified reference materials and blanks at average ratio of 1:30. ALS Laboratory QAQC involves the use of internal lab standards using certified reference material and blanks as part of in-house laboratory procedures. Blanks are inserted and laboratory quartz flush samples are requested within and at the end of mineralised zones at frequency determined by Encounter geologists based on geological observations and pXRF readings. A formal review of this data is completed on a periodic basis.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	Geological observations included in this report have been verified by Sarah James (Principal Geologist)
	The use of twinned holes.	No twinned holes are being reported

	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Primary logging and sampling data is collected for drillholes on toughbook computers using Maxwell Geoservice's LogChief software and using excel templates (physical and electronic). Data is sent offsite by email to be loaded or direct synced to Encounter's SQL Database (Datashed software), which is backed up daily.
	Discuss any adjustment to assay data.	Standard stoichiometric calculations have been applied to convert element ppm data to relevant oxides. Industry standard calculation for TREO as follows La_2O_3 + CeO_2 + Pr_2O_3 + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_2O_3 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3 Conversion factors La_2O_3 1.1728 CeO_2 1.2284 Pr_2O_3 1.1703 Nd_2O_3 1.1664 Sm_2O_3 1.1596 Eu_2O_3 1.1579 Gd_2O_3 1.1526 Tb_2O_3 1.151 Dy_2O_3 1.1477 Ho_2O_3 1.1455 Er_2O_3 1.1435 Tm_2O_3 1.1421 Yb_2O_3 1.1387 Y_2O_3 1.2699 Lu_2O_3 1.1371 Nb_2O_5 1.4305
Location of data points	*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.*	Drill hole collar locations are determined using a handheld GPS. No downhole surveys were collected during reported AC drilling at Joyce.
	Specification of the grid system used.	Horizontal Datum: Geocentric Datum of Australia1994 (GDA94) Map Grid of Australia 1994 (MGA94) Zone 52
	Quality and adequacy of topographic control.	RLs were assigned using a DTM created during the detailed aeromagnetic survey.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	Drillhole spacing at Joyce is nominally 80m spaced on section with drill traverses 400m apart. Infill drilling has been completed on sections at 200m spacing and assays for this drilling are pending.
	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.	Mineralisation has not yet demonstrated to be sufficient in both geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications to be applied.

	Whether sample compositing has been applied.	Intervals have been composited using a length weighted methodology.
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*	This is early-stage drilling and the orientation of the holes with respect to key high grade mineralisation is not fully understood. Additional infill drilling is planned to test the orientation and continuity of mineralisation. Carbonatite intrusions have exploited interpreted structural corridors at the Aileron project. Oxide-enriched mineralisation derives from primary fresh carbonatite by deflationary and regolith processes. The orientation of the Carbonatite intrusions at Joyce are poorly constrained due to the limited number of drillholes that have sufficiently tested at depth or at the edges of the carbonatite.
	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.	This is early-stage drilling and the orientation of the holes with respect to key high grade mineralisation is not fully understood. Additional infill drilling is planned to test the orientation and continuity of mineralisation.
Sample security	*The measures taken to ensure sample security.*	The chain of custody is managed by Encounter. Samples were transported by Encounter personnel and reputable freight contractors to the assay laboratory.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	Sampling techniques and procedures are regularly reviewed internally, as is data. A project QAQC audit was completed prior to Mineral Resource Estimation by Snowden Optiro on Aileron drilling data and sampling techniques.

SECTION 2 REPORTING OF EXPLORATION RESULTS

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	*Type, reference name/number, location and ownership including agreements or material issues with third parties including joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*	The Aileron project is located within the tenements E80/5169, E80/5469, E80/5470 and E80/5522 which are held 100% by Encounter Resources The tenements are contained within Aboriginal Reserve land where native title rights are held by the Parna Ngururrpa and the Tjamu Tjamu. Mineral Resources have been defined at Green (E80/5469), Crean (E80/5169) and Emily (E80/5469) wholly within Parna Ngururrpa native title determination area.
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	Prior to Encounter Resources, no previous on ground exploration has been conducted on the tenement other than government precompetitive data.
Geology	*Deposit type, geological setting and style of mineralisation*	The Aileron project is situated in the Proterozoic West Arunta Province of Western Australia. The geology of the area is poorly studied due to the lack of outcrop and previous exploration. A 2024 GSWA report (using 2023 Encounter EIS drill cores) has documented Paleoproterozoic gneisses and metasedimentary rocks in the region. A younger, Mesoproterozoic garnet-bearing granitic gneiss has now been documented in the belt. Granulite facies metamorphism occurred soon after this Mesoproterozoic magmatic emplacement. In the Neoproterozoic gneissic rocks were intruded by post metamorphic, cogenetic carbonatite, lamprophyre and aillikite-type lamprophyres. The extensive geological history in the belt is still being unraveled by ongoing research studies. The belt is prospective for carbonatite-hosted critical mineral deposits, IOCG style copper deposits and orogenic gold. Green, Crean and Emily are carbonatite related niobium deposits. Oxide-enriched mineralisation has derived from primary niobium enriched carbonatites through deflationary and regolith weathering processes. The Aileron carbonatites have intruded into gneisses and metasedimentary basement rocks along interpreted structural corridors including the Elephant Island (at Crean) and the Weddell Fault (at Emily and Green). Carbonatite intrusions have intensely fenitised (altered) surrounding basement rocks. Lamprophyre and syenite intrusions interpreted as cogenetic with carbonatites are present, particularly near the margins of carbonatite intrusions. Preferential weathering of carbonatites has accelerated oxidation and

		resulted in niobium enrichment at Green, Crean and Emily.
Drill hole information	*A summary of all information material to the understanding of the exploration results including tabulation of the following information for all Material drill holes:* • *Easting and northing of the drill hole collar* • *Elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar* • *Dip and azimuth of the hole* • *Down hole length and interception depth* • *Hole length*	Refer to tabulation in the body of this announcement
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.*	All reported assays have been length weighted, with a nominal 0.2% Nb_2O_5 lower limit and a maximum of 4m of internal dilution. Intervals greater than 1% Nb_2O_5 has been reported as including. Selected intervals greater than 1% Nb_2O_5 have been reported separately. No upper cutoffs have been applied.
	Where aggregated 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.	All reported assays have been length weighted, with a nominal 0.2% Nb_2O_5 lower limit and a maximum of 4m of internal dilution. Intervals greater than 1% Nb_2O_5 has been reported as including. Selected intervals greater than 1% Nb_2O_5 have been reported separately. No upper cutoffs have been applied.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents have been reported in this announcement.
Relationship between mineralization widths and intercept lengths	*These relationships are particularly important in the reporting of exploration results.* *If the geometry of the mineralization 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 (e.g. 'down hole length, true width not known').*	Reported results are downhole length. True width geometry of the mineralisation is not yet known due to insufficient drilling in the targeted areas.
Diagrams	*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 plane view of drill hole collar locations and appropriate sectional views.*	Refer to body of this announcement
Balanced Reporting	*Where comprehensive reporting of all Exploration Results is not practical, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	All results have been balanced and transparently reported.

Other substantive exploration data	*Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observation; 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.*	All meaningful and material information has been included in the body of the text.
Further Work	*The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large – scale step – out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Refer to the body of the text