6 November 2024
ASX: CRI

BEST INTERSECTION – 67M @ 3,074 PPM TREO FROM LATEST JUPITER DRILLING

The Board of Critica Limited (Critica or the Company) is pleased to announce the latest results from resource drilling targeting high-grade zones at Jupiter, which forms part of the Company's flagship Brothers REE Project.

The drilling program was designed to increase drilling density in the high-grade zones of Jupiter, to provide enhanced certainty in the continuity of this mineralisation. The assay results in this announcement firmly validate this high-grade continuity and include the best recorded intersection to date from Critica's drilling of the Jupiter discovery.

HIGHLIGHTS

- **Record-breaking intersection of 67m @ 3,074 ppm Total Rare Earth Oxides (TREO), with hole ending in mineralisation** (JPAC088).
- **Infill drilling reaffirms that Jupiter hosts large and consistent zones of mineralisation grading at over 2,000ppm TREO, with drilling density now at 250m x 250m in these high-grade zones.**
- **Thorium and uranium content remains consistently very low.**
- **Density measurements are being taken from the seven diamond core holes drilled in the recent program, which are also expected to provide valuable geological data for the maiden resource estimate.**
- **Assays are pending for the remaining 163 holes of the resource infill drilling program at Jupiter, with the maiden resource estimate on track for release by the end of the year..**

Managing Director, Philippa Leggat, commented:

"We chose to increase drilling density in the high-grade zones of Jupiter to further improve confidence in the continuity of this mineralisation, ahead of our maiden resource estimate for the Brothers Project. This set of assay results have readily demonstrated this continuity.

"It's also incredible to see our flagship project delivering another record-breaking drill intersection, this time being 67m @ 3,074 ppm TREO. This phenomenal hole (JPAC088) ended in mineralisation – even after using all drill rods we were still in rare earth mineralisation at 99 metres.

"Our outstanding technical team continue to demonstrate that Jupiter hosts consistent, high-grade rare earth mineralisation over tens of kilometres confirming the potential of Jupiter and the Brothers Project to host one of the largest clay-hosted rare earth discoveries in Australia.

"With aircore and diamond drilling complete, and final assays pending, we are well positioned to provide a detailed and high-quality dataset to our independent geologists for preparation of our maiden resource estimate. We also have several laboratories working on all aspects of our comprehensive metallurgical program, with successful beneficiation outcomes being our first goal.

"Despite existing cyclical pricing challenges in the rare earth market we have recently seen a meaningful uptick in the NdPr price, affirming our confidence that the long-term fundamentals of the rare earth market remain strong. The world is going to continue to use motors – they need permanent magnets which require rare earths. Combustion engines, electric engines, drones – the list of uses for permanent magnets is long and their uses are pervasive. Being in Australia, we are also well-positioned to benefit from the array of geopolitical factors influencing the global rare earth supply chain.

"Critica's strategy is to take advantage of the rare earth price cycle by rapidly advancing our flagship asset in what we believe to be a temporarily low price environment. We are well-funded and focused on the ongoing addition of intrinsic value to Jupiter and the Brothers Project.

"It's an exciting phase of the project. Our objectives are clear and we look forward to updating shareholders as we continue to achieve key milestones."

Table 1 | Significant Intercepts from Jupiter Resource Drilling Targeting High Grade Zones

Hole No.	Metres/TREO ppm	Including TREO ppm
JPAC004	40m @ 1767	16m @ 2731
JPAC009	49m @ 1843	16m @ 2264
JPAC013	46m @ 1485	12m @ 2338
JPAC016	38m @ 1554	12m @ 2270
JPAC020	54m @ 1558	20m @ 2031
JPAC028	33m @ 1945	20m @ 2165
JPAC029	31m @ 1907	12m @ 2679
JPAC031	68m @ 1264	12m @ 2258
JPAC032	36m @ 2211	12m @ 4508
JPAC034	32m @ 1615	8m @ 2260
JPAC051	34m @ 1757	16m @ 2176
JPAC052	44m @ 1951	28m @ 2271
JPAC054	54m @ 1326	4m @ 2859
JPAC055	33m @ 1678	8m @ 2329
JPAC058	45m @ 2053	
JPAC061	33m @ 1767	12m @ 2361
JPAC063	33m @ 1992	24m @ 2167
JPAC065	41m @ 1947	16m @ 3064
JPAC066	32m @ 1657	8m @ 3515
JPAC068	51m @ 2116	
JPAC073	41m @ 1961	24m @ 2470
JPAC076	44m @ 1434	8m @ 3578
JPAC077	26m @ 1753	12m @ 2415
JPAC079	43m @ 2942	28m @ 3595
JPAC080	61m @ 1159	12m @ 2140
JPAC081	28m @ 1766	8m @ 3416
JPAC082	24m @ 1775	12m @ 2137
JPAC083	30m @ 2050	4m @ 3322
JPAC085	43m @ 2236	20m @ 3438
JPAC086	24m @ 1805	12m @ 2325
JPAC088	67m @ 3074	12m @ 4162
JPAC090	32m @ 2399	8m @ 3957
JPAC095	37m @ 1936	8m @ 3096

Figure 1 | New significant intersections from recent drilling, coloured by TREO grade-thickness and shown on gravity image.

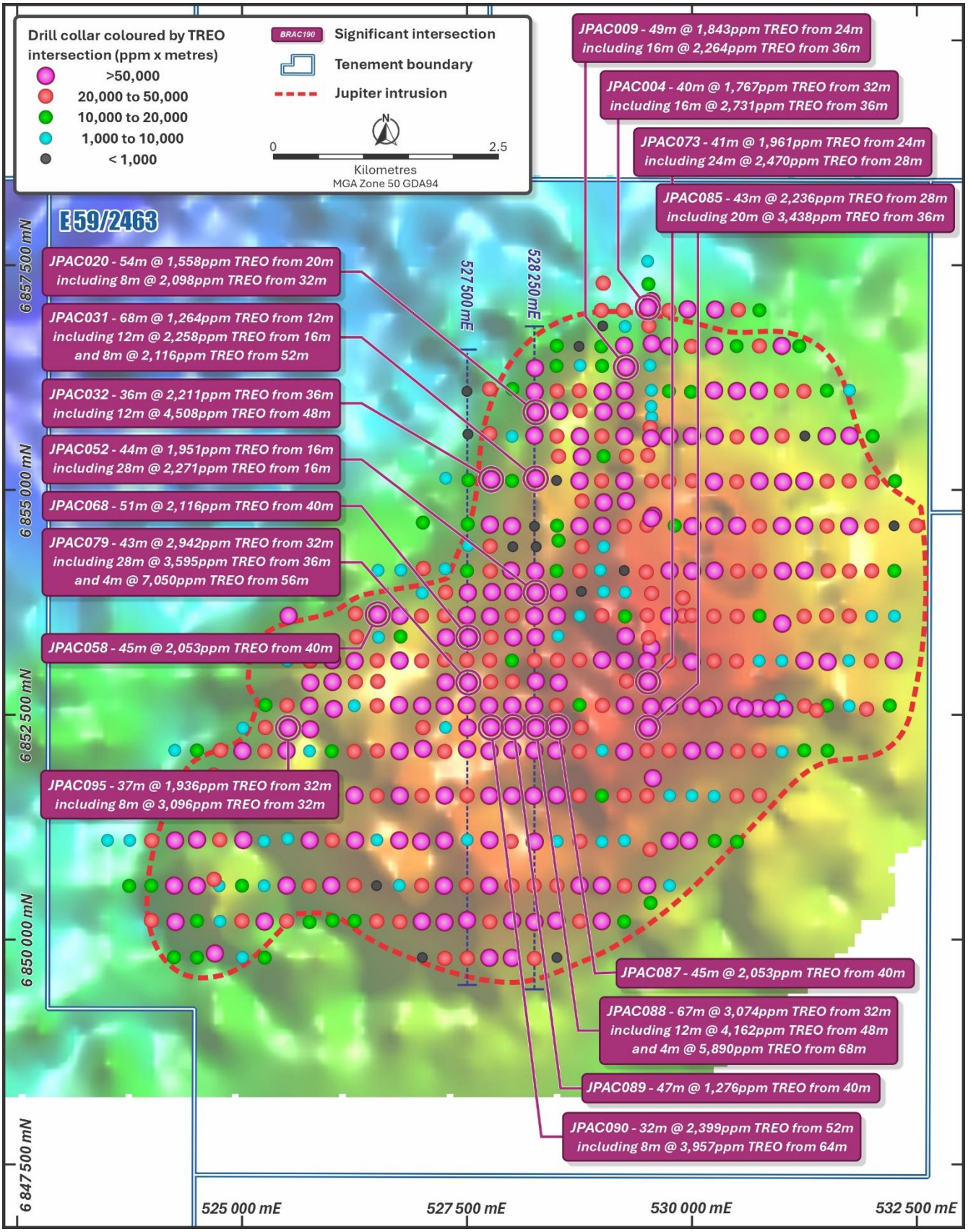
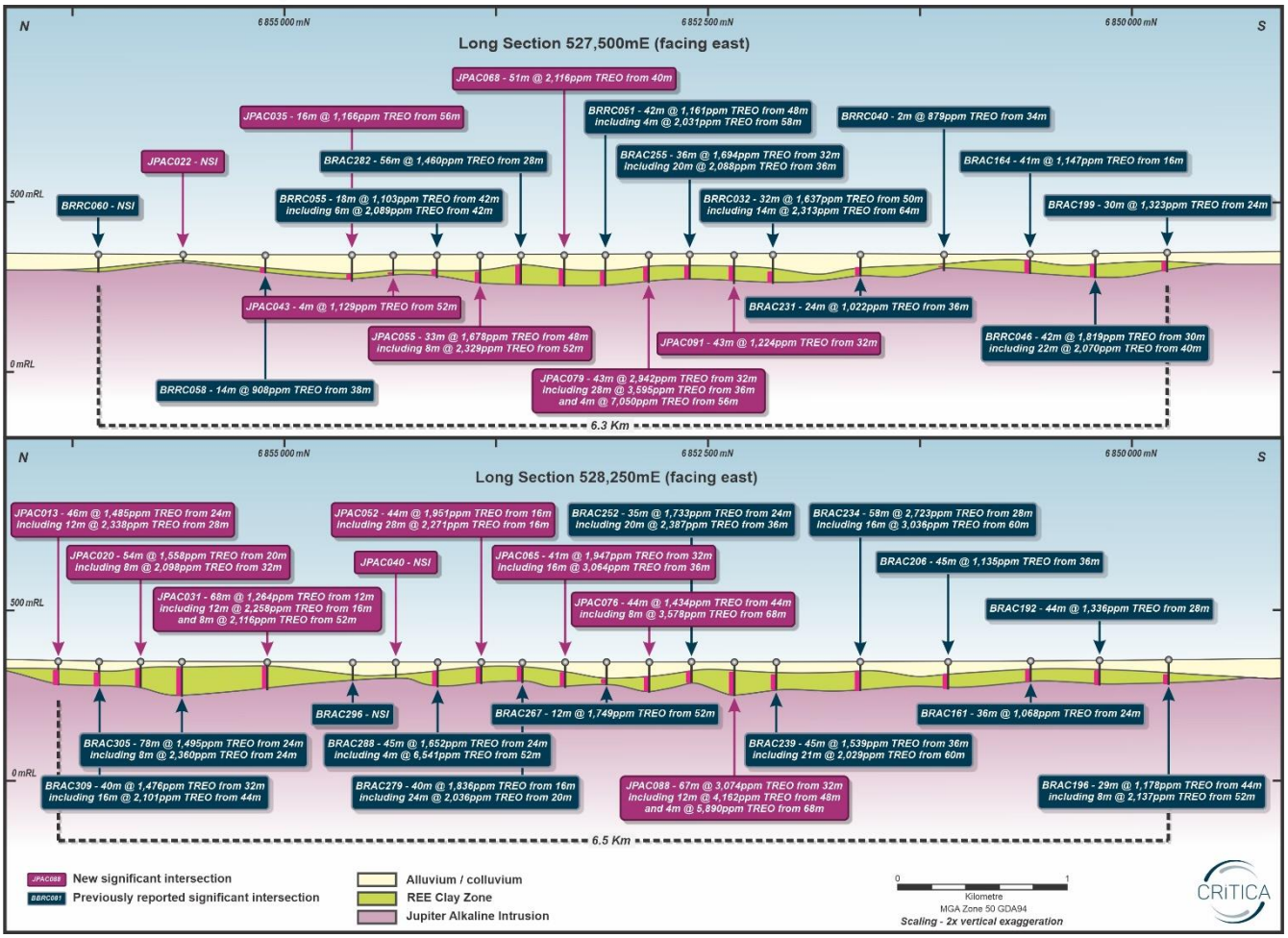


Figure 2 | North-South cross sections demonstrating the continuity of high-grade mineralisation at 250m spacing



ABOUT BROTHERS AND JUPITER

Jupiter is a high-grade, clay-hosted rare earth project which is part of the broader Brother's Project that was discovered in late 2023. It's strategically located within the Mt Magnet and Yalgoo mining district of Western Australia. Jupiter was originally identified by geophysics, then cost-effective Air Core drilling quickly enabled Critica to advance the project. With Critica's strong cash position the Company has been able to complete over 38,000 metres of drilling in less than 18 months. Additional drilling and metallurgy are underway, and release of the maiden resource estimate is targeted by the end of 2024.

Jupiter boasts remarkably consistent rare earth mineralisation over the entire 40 square km^2 project area. Broad, high-grade zones of 20 to 30 metre widths, grade over 2,000 ppm of Total Rare Earth Oxides (TREO) and these typically occur within circa 80 metre zones of mineralisation that grade over 1,000 ppm TREO. The valuable magnet rare earths (MREO) make up an average of 23 percent of the material which grades over 1,000 ppm TREO. A stand-out feature of the project is the very low prevalence of thorium and uranium.

In September and October 2024, Critica announced the discovery of five satellite targets at the Brothers Project, situated to the east of Jupiter. Together these discoveries indicate the provincial scale nature of the Brothers Project.

Jupiter enjoys a myriad of benefits on account of the significant surrounding infrastructure. The project is less than 10 km from the bitumen highway that runs between Mount Magnet and Geraldton, providing easy access to local labour centres, the Port of Geraldton and the mid-west gas pipeline that runs parallel to the highway. A unique benefit is that the project is in proximity to Lynas' Mt Weld project and their rare earths concentrator which is currently under construction. Iluka are also planning a rare earth refinery at Eneabba which is within easy driving distance of the site. The driving time from site to Perth is just six hours, and a short two-and-a-half hours to Geraldton.

The broader Brothers Project, which includes Jupiter, currently consists of a total strategic landholding of approximately 1,350 km^2 of granted tenure with additional 630km^2 of licences under application, all situated on pastoral leases. The terrain at Jupiter is flat, sparsely vegetated and facilitates year-round access.

Authorised by the Board of Critica Limited.

Philippa Leggat
Managing Director

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COMPETENT PERSONS STATEMENT

Competent Persons Statement The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Dr. Stuart Owen who is a Member of the Australian Institute of Geoscientists. Dr. Owen is a permanent employee of Critica Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr. Owen consents to the inclusion in the report of the matters based on his information in the form and context in which they appear.

The Information in this announcement that relates to previous exploration results for the Projects is extracted from the following ASX announcement:

- Multiple Rare Earth Discoveries Near Jupiter – 17 October 2024
- New Rare Earth Discovery Jupiter Satellite – 17 September 2024
- Another Record Drilling Result – 57m @ 3,430ppm TREO – 17 July 2024
- Best Drill Intersection to date – 58m @ 2,723ppm TREO – 17 June 2024
- 8m @ 5,716ppm TREO- Jupiter Drilling Continues to Outperform – 5 June 2024
- Drilling Delivers More Record REE Intersections at Jupiter – 23 May 2024
- Jupiter-more outstanding REE hits up to 60 m over 2000 ppm – 16 April 2024
- Strategic Acquisition Adjacent to Jupiter REE Discovery – 22 March 2024
- 300 Drillhole Program Commences at Jupiter – 15 March 2024
- Jupiter Continues to Deliver with Record NdPr over 5,000 ppm – 8 March 2024
- Jupiter delivers record drill hit of 48 m @ 3,025 ppm TREO – 9 February 2024
- Jupiter Delivers over 7,000 ppm TREO from Maiden RC Drilling – 29 November 2023
- Massive new REE Target at Brothers with up to 3,969 ppm TREO – 9 November 2023
- VMS makes High Grade clay hosted REE discover at Brothers – 1 August 2023
- Venture set to drill at the Iron Duke High Grade REE Project –18 May 2023
- JV into Neighbouring REE project with 49m @ 1313ppm TREO – 9 May 2023

Notes

1.TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides.

2.MREO represents the sum of the Neodymium, Praseodymium, Dysprosium and Terbium expressed as oxide

Glossary

RE – Rare earth(s)

REE – Rare earth elements

TREO – Total rare earth oxides

MREO – Magnet rare earth oxides

TABLE ONE: BROTHERS CLAY-HOSTED REE PROJECT – AIR CORE DRILL HOLE LOCATIONS AND SIGNIFICANT INTERSECTIONS

Hole No.	East MGA Zone 50 GDA94 m	North MGA Zone 50 GDA94 m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO %	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
JPAC001	529497	6857513	26	12	16	4	1018	156	15	41	112	1	3
JPAC002	529502	6857253	45	32	44	12	1154	215	19	51	157	1	6
JPAC003	529000	6857261	39	24	39	15	1342	257	19	59	185	2	12
JPAC004	529490	6857008	72	32	72	40	1767	394	22	86	291	3	14
including				36	52	16	2731	614	22	134	452	5	23
JPAC005	529500	6856802	61	36	61	25	1571	369	23	79	274	3	13
JPAC006	529237	6856788	39	28	32	4	1097	183	17	40	138	1	5
JPAC007	528994	6856802	4			NSI							
JPAC008	529507	6856351	12	8	12	4	1664	402	24	86	304	2	10
JPAC009	529250	6856340	73	24	73	49	1843	470	26	93	356	4	18
including				36	52	16	2264	586	26	115	444	5	23
JPAC010	528994	6856351	14	4	14	10	1040	274	26	53	205	3	14
JPAC011	528741	6856358	9	4	9	5	908	220	24	46	164	2	8
JPAC012	528478	6856349	27	4	24	20	867	174	20	39	129	1	6
JPAC013	528244	6856337	70	24	70	46	1485	350	24	76	260	3	12
including				28	40	12	2338	546	23	118	405	4	19
JPAC014	527990	6856101	42	36	42	6	1916	394	21	91	289	3	12
JPAC015	527749	6856099	37	20	37	17	1285	247	19	54	181	2	11
JPAC016	529250	6855858	54	16	54	38	1554	366	24	79	269	3	16
including				20	32	12	2270	495	22	107	363	4	21
JPAC017	529002	6855851	62	24	62	38	1401	316	23	69	233	3	11
including				52	56	4	3290	793	24	159	599	6	29
JPAC018	528740	6855854	70	28	60	32	1334	316	24	68	233	3	12
including				32	40	8	2079	533	26	115	395	4	19
JPAC019	528506	6855856	49	8	49	41	1390	341	25	71	252	3	15
including				12	20	8	2282	585	26	122	437	5	21
JPAC020	528250	6855851	74	20	74	54	1558	370	24	78	273	3	15
including				32	40	8	2098	575	27	112	431	7	27
JPAC021	527747	6855600	66	40	64	24	1849	438	24	89	325	4	20
including				44	64	20	2031	475	23	96	353	4	22
JPAC022	527505	6855596	20			NSI							
JPAC023	529496	6855354	41	8	41	33	1290	311	24	64	232	3	12
including				12	16	4	2136	402	19	89	300	3	12
JPAC024	529001	6855355	72	44	68	24	629	109	17	25	80	1	4
JPAC025	528755	6855348	84	40	84	44	1410	373	26	74	279	3	16
including				56	60	4	2295	672	29	128	506	7	32
JPAC026	528501	6855345	24	16	24	8	1024	241	24	54	177	2	8
JPAC026A	528502	6855346	47	16	47	31	1386	352	25	70	266	3	14
JPAC027	529251	6855359	40	12	40	28	1442	353	24	70	263	3	17
including				28	32	4	2839	736	26	140	555	7	34
JPAC028	529251	6854853	61	28	61	33	1945	493	25	95	365	5	27
including				36	56	20	2165	557	26	104	413	6	34
JPAC029	528999	6854840	75	44	75	31	1907	470	25	97	350	4	19
including				44	56	12	2679	636	24	136	473	5	22
JPAC030	528756	6854857	68	32	68	36	1113	281	25	57	209	3	13
including				52	56	4	2071	470	23	93	349	5	24
JPAC031	528245	6855103	84	12	80	68	1264	291	23	63	214	2	12
including				16	28	12	2258	513	23	112	381	3	17
and				52	60	8	2116	511	24	109	377	4	21
JPAC032	527759	6855096	72	36	72	36	2211	484	22	98	358	5	25
including				48	60	12	4508	870	19	180	642	8	41
JPAC033	527255	6855102	32	28	32	4	1050	228	22	54	167	1	6
JPAC034	527742	6854590	79	40	72	32	1615	376	23	76	280	3	17
including				56	64	8	2260	598	26	115	445	6	32
JPAC035	527494	6854601	79	56	72	16	1166	278	24	66	202	2	9
JPAC036	527005	6854603	60	48	60	12	1004	212	21	50	156	1	6
JPAC037	529000	6854351	28	24	28	4	993	244	25	53	185	1	5

Hole No.	East MGA Zone 50 GDA94 m	North MGA Zone 50 GDA94 m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO %	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
JPAC038	528755	6854351	66	36	66	30	1166	293	25	58	220	3	14
JPAC039	528500	6854413	53	40	53	13	1375	350	25	71	263	3	13
JPAC040	528255	6854347	44			NSI							
JPAC041	528002	6854355	50			NSI							
JPAC042	527743	6854352	69	52	69	17	1711	397	23	82	292	4	19
including				52	60	8	2081	471	23	100	348	4	19
JPAC043	527495	6854357	56	52	56	4	1129	204	18	45	152	1	7
JPAC044	527248	6854109	59	48	52	4	2201	468	21	110	347	1	9
JPAC045	527002	6854103	75	44	68	24	1063	212	20	51	154	1	6
JPAC046	526753	6854097	77	60	64	4	824	154	19	36	112	1	5
JPAC047	526004	6854100	24			NSI							
JPAC048	529244	6853844	21	12	16	4	909	216	24	48	159	2	7
JPAC049	528996	6853844	16	12	16	4	1214	329	27	66	248	3	13
JPAC050	528754	6853852	25			NSI							
JPAC051	528501	6853846	50	16	50	34	1757	425	24	90	313	4	18
including				24	40	16	2176	538	25	110	398	5	25
JPAC052	528250	6853842	62	16	60	44	1951	401	21	86	296	3	16
including				16	44	28	2271	455	20	98	336	3	17
JPAC053	527997	6853843	62	28	62	34	1533	363	24	76	267	3	16
including				40	48	8	2153	502	23	102	372	5	24
JPAC054	527760	6853843	86	32	86	54	1326	319	24	71	234	3	12
including				68	72	4	2859	799	28	161	597	7	34
JPAC055	527490	6853847	81	48	81	33	1678	383	23	81	286	3	15
including				52	60	8	2329	523	22	109	388	4	22
JPAC056	527250	6853843	71	56	71	15	1474	261	18	60	189	2	11
including				60	64	4	2190	395	18	90	286	3	17
JPAC057	527000	6853842	92	84	92	8	943	175	19	40	127	1	7
JPAC058	526497	6853599	85	40	85	45	2053	457	22	101	338	3	14
JPAC059	526247	6853604	76	36	76	40	1190	270	23	58	200	2	10
including				40	44	4	2006	439	22	93	326	4	17
JPAC060	526003	6853599	71			NSI							
JPAC061	525506	6853591	77	44	77	33	1767	398	23	88	295	3	14
including				48	60	12	2361	510	22	115	378	3	14
JPAC062	529495	6853349	45	12	45	33	1027	256	25	52	191	3	12
JPAC063	529245	6853355	53	20	53	33	1992	382	19	91	280	2	9
including				20	44	24	2167	398	18	96	291	2	9
JPAC064	528499	6853354	52	44	52	8	979	241	25	46	181	2	12
JPAC065	528251	6853348	73	32	73	41	1947	460	24	94	349	3	15
including				36	52	16	3064	753	25	153	573	5	23
JPAC066	528000	6853346	68	36	68	32	1657	333	20	70	251	2	11
including				48	56	8	3515	630	18	126	480	4	19
JPAC067	527750	6853350	70	32	68	36	1357	323	24	70	241	2	11
including				48	56	8	2098	480	23	102	361	3	15
JPAC068	527500	6853350	91	40	91	51	2116	451	21	103	332	3	13
JPAC069	527252	6853348	79	48	79	31	1628	373	23	80	275	3	15
including				72	79	7	2473	682	28	137	509	6	31
JPAC070	526753	6853351	41	32	41	9	1461	314	21	67	227	3	17
JPAC071	526506	6853350	50	40	48	8	859	178	21	27	110	6	37
JPAC072	526251	6853355	68	32	68	36	1305	300	23	63	222	3	14
including				52	56	4	1453	343	24	63	243	5	32
JPAC073	529495	6852852	65	24	65	41	1961	419	21	87	310	4	18
including				28	52	24	2470	537	22	112	399	5	22
JPAC074	529254	6852859	67	40	67	27	1593	321	20	73	238	2	9
including				48	56	8	2428	498	21	112	370	3	13
JPAC075	528499	6852850	80	44	80	36	1581	376	24	84	279	2	11
including				56	64	8	2287	600	26	132	447	4	18
JPAC076	528246	6852852	88	44	88	44	1434	298	21	65	222	2	9
including				68	76	8	3578	659	18	139	496	4	20
JPAC077	527994	6852851	74	48	74	26	1753	387	22	85	287	3	13
including				56	68	12	2415	521	22	112	389	3	17
JPAC078	527746	6852849	71	48	71	23	1451	329	23	73	245	2	10
including				56	60	4	2008	433	22	97	322	3	12

Hole No.	East MGA Zone 50 GDA94 m	North MGA Zone 50 GDA94 m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO %	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
JPAC079	527497	6852850	75	32	75	43	2942	660	22	141	502	3	14
including				36	64	28	3595	773	22	165	588	4	17
including				56	60	4	7050	1735	25	358	1335	8	35
JPAC080	527247	6852848	93	32	93	61	1159	266	23	56	198	2	10
including				56	68	12	2140	459	21	96	343	3	17
JPAC081	526495	6852853	84	52	80	28	1766	480	27	106	355	4	16
including				60	68	8	3416	1074	31	239	795	8	33
JPAC082	526246	6852854	72	24	48	24	1775	414	23	89	307	3	15
including				28	40	12	2137	470	22	98	349	4	19
JPAC083	525999	6852858	62	32	62	30	2050	473	23	105	351	3	14
including				48	52	4	3322	759	23	167	570	4	18
JPAC084	525742	6852849	57	20	57	37	1587	395	25	81	295	3	15
including				24	32	8	2082	500	24	106	373	4	17
JPAC085	529494	6852347	71	28	71	43	2236	392	18	82	293	3	15
including				36	56	20	3438	536	16	113	401	4	18
JPAC086	528750	6852345	72	48	72	24	1805	503	28	103	379	4	18
including				52	64	12	2325	677	29	135	512	5	25
JPAC087	528492	6852352	89	32	89	57	1305	294	23	64	220	2	8
JPAC088	528246	6852349	99	32	99	67	3074	765	25	164	580	4	17
including				48	60	12	4162	1037	25	219	792	5	21
and				68	72	4	5890	1921	33	399	1469	11	43
JPAC089	528001	6852352	87	40	87	47	1276	275	22	62	203	2	9
JPAC090	527747	6852349	84	52	84	32	2399	576	24	133	424	3	16
including				64	72	8	3957	1179	30	272	878	5	25
JPAC091	527493	6852348	85	32	75	43	1224	280	23	60	206	3	13
JPAC092	527251	6852345	58	44	52	8	1203	285	24	58	210	3	14
JPAC093	526997	6852349	61	32	61	29	1381	335	24	70	248	3	14
JPAC094	525746	6852332	64	32	64	32	1593	405	25	81	304	3	17
including				32	36	4	2021	489	24	109	361	3	15
JPAC095	525504	6852344	69	32	69	37	1936	436	23	90	328	3	15
including				32	40	8	3096	685	22	144	514	5	23
JPAC096	525252	6852349	64	24	64	40	1236	296	24	60	221	2	13
JPAC097	525255	6852596	53	40	53	13	1076	221	21	50	164	1	6
JPAC098	525001	6852346	63	60	63	3	3226	564	17	128	410	4	22

TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides. MREO represents the sum of the Neodymium, Praseodymium, Dysprosium and Terbium expressed as oxides See Table Three for complete REE assay listing. NSI = no significant intersection Intersections are made up of 4 m composite sample results with the bottom of the hole sample results a miixture of 2 m, 3 m, 5 m and 6 m composite sample results.

TABLE TWO: NEW JUPITER AIR CORE DRILL HOLE REE, TH AND U ASSAYS

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC001	4	8	4	430	171	88	32	100	12	2.5	7	0.8	3.4	0.5	1.2	0.1	0.8	0.1	12	19	1
JPAC001	8	12	4	334	114	135	16	44	6	1.2	3.6	0.4	2.2	0.4	1	0.1	0.6	0.1	11	29	1
JPAC001	12	16	4	1018	267	564	41	112	11	2.7	5.7	0.6	2.7	0.4	0.9	0.1	0.5	0.1	9	20	1
JPAC001	16	20	4	856	232	459	37	100	10	2.2	4.8	0.5	2	0.3	0.8	0.1	0.5	0	7	17	2
JPAC001	20	24	4	777	177	366	39	131	17	4.1	10.8	1.2	5.1	0.9	2.5	0.3	1.5	0.2	22	18	2
JPAC001	24	26	2	482	116	235	21	70	8	2.3	5.2	0.6	2.9	0.5	1.5	0.2	1.4	0.2	18	18	1
JPAC002	24	28	4	522	150	255	25	68	8	1.2	3.5	0.4	1.8	0.3	0.9	0.1	0.7	0.1	8	34	1
JPAC002	28	32	4	651	182	350	27	70	7	1.2	2.8	0.4	1.6	0.3	0.7	0.1	0.8	0.1	7	27	1
JPAC002	32	36	4	1195	278	612	56	174	21	3.8	11	1.3	6.1	1	2.7	0.3	2.2	0.3	26	34	2
JPAC002	36	40	4	1186	244	661	50	153	19	3.3	11.1	1.3	6.1	1.1	2.9	0.4	2.4	0.3	31	35	2
JPAC002	40	44	4	1082	245	569	47	144	17	2.8	11	1.3	6.1	1.1	2.8	0.4	2.5	0.4	33	45	3
JPAC002	44	45	1	668	172	330	30	89	11	1.6	6.2	0.7	3.6	0.6	1.7	0.2	1.5	0.2	20	35	2
JPAC003	12	16	4	975	265	484	47	135	15	2.7	8.2	1	4.5	0.6	1.3	0.1	0.7	0.1	11	31	1
JPAC003	16	20	4	233	44	126	8	25	4	0.9	3.2	0.4	2.3	0.4	1.5	0.2	1.2	0.2	15	34	3
JPAC003	20	24	4	502	131	246	24	68	8	1.5	4.4	0.5	2.6	0.5	1.3	0.1	1.1	0.2	14	23	2
JPAC003	24	28	4	1115	297	517	50	159	19	3.7	12.3	1.5	7.1	1.3	3.7	0.5	2.9	0.4	40	24	2
JPAC003	28	32	4	1768	436	817	76	236	30	6	21.9	3.1	16.5	3.2	9.5	1.3	7.5	1.3	104	28	3
JPAC003	32	36	4	1241	304	564	55	173	22	4.3	15.1	2.1	11.8	2.2	7	0.9	5.9	1	74	25	2
JPAC003	36	39	3	1212	297	565	55	169	20	4.2	14.2	1.9	11	2	5.8	0.9	5.1	0.7	61	25	2
JPAC004	32	36	4	770	201	356	35	112	15	2.9	10.2	1.2	5.4	0.9	2.3	0.3	1.8	0.2	27	29	5
JPAC004	36	40	4	2348	540	1326	85	274	35	6.7	20.5	2.3	10.5	1.6	3.9	0.4	2.4	0.3	41	25	6
JPAC004	40	44	4	1911	524	907	89	266	33	6.3	18.3	2.1	10	1.6	4.5	0.5	3.1	0.5	45	34	7
JPAC004	44	48	4	3938	1114	1375	223	767	111	24.8	76.1	8.7	40.6	6.3	15.4	1.8	9.7	1.4	163	22	4
JPAC004	48	52	4	2725	653	1029	139	503	68	14.4	49.7	5.8	30.2	5.6	15.4	2	10.6	1.8	198	12	2
JPAC004	52	56	4	1174	262	523	60	203	27	5.6	16.1	1.9	9.3	1.6	4.6	0.6	3.4	0.5	56	13	3
JPAC004	56	60	4	1238	293	571	60	201	26	5.4	14.8	1.8	8.1	1.4	4	0.5	3.4	0.5	49	16	4
JPAC004	60	64	4	1229	313	570	59	191	22	4.7	12.7	1.5	7.2	1.2	3.4	0.4	2.8	0.4	40	22	3
JPAC004	64	68	4	961	211	436	48	167	22	5	14.1	1.7	7.6	1.3	3.6	0.5	2.7	0.3	41	12	2
JPAC004	68	72	4	1378	324	639	67	227	29	6.2	17.2	2	9.3	1.6	4	0.5	3	0.5	49	16	3
JPAC005	32	36	4	656	202	248	29	100	16	3.9	12.5	1.5	7.2	1.1	2.9	0.4	2.2	0.3	31	21	2
JPAC005	36	40	4	2062	589	702	121	421	61	12.6	37.9	4.3	19.3	2.9	7.3	0.8	4.1	0.5	79	32	2
JPAC005	40	44	4	1511	446	683	69	212	27	6.1	14	1.8	8.6	1.2	3	0.3	2.1	0.3	39	26	2
JPAC005	44	48	4	1718	422	840	81	259	32	6.1	17.4	1.9	9.2	1.5	3.7	0.5	2.9	0.4	41	37	3
JPAC005	48	52	4	2032	412	965	105	377	50	9.3	27.1	3.1	14.9	2.1	5.3	0.6	3.8	0.4	57	29	2

ASX: CRI

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC005	52	56	4	944	198	468	44	150	20	4.1	11.6	1.3	6.6	1.1	2.7	0.3	2.3	0.3	34	18	3
JPAC005	56	61	5	1241	207	502	61	238	41	6.1	27.8	3.5	17.7	3.3	8.8	1.1	7	1	117	18	3
JPAC006	8	12	4	531	172	209	26	78	11	2.3	6.4	0.7	3.6	0.6	1.4	0.2	1.3	0.1	17	27	2
JPAC006	12	16	4	616	165	275	29	97	14	2.6	7.9	0.9	4.2	0.7	1.5	0.2	1.2	0.1	17	26	1
JPAC006	16	20	4	412	96	200	18	64	9	2	5.6	0.6	3.7	0.4	1.1	0.1	0.8	0.1	12	12	1
JPAC006	20	24	4	513	134	245	24	73	8	1.8	4.5	0.6	2.7	0.5	1.5	0.2	1.3	0.2	17	17	2
JPAC006	24	28	4	695	148	394	29	89	9	2	4	0.4	2.2	0.4	1	0.2	1	0.1	15	17	2
JPAC006	28	32	4	1097	176	686	40	138	16	4	8.7	1	4.7	0.7	1.8	0.2	1.6	0.2	19	20	2
JPAC006	32	36	4	437	101	221	17	57	6	2	4.4	0.5	3	0.6	1.9	0.3	2.1	0.3	20	18	2
JPAC008	4	8	4	621	137	301	28	98	14	3	8.8	1	4.8	0.8	2	0.3	1.5	0.2	21	25	1
JPAC008	8	12	4	1664	353	788	86	304	40	8.2	21.1	2.2	10.5	1.6	3.9	0.5	3.5	0.4	41	34	3
JPAC009	24	28	4	1271	394	571	58	170	21	4.7	12	1.3	6.4	1	2.7	0.3	1.8	0.2	27	39	2
JPAC009	28	32	4	1840	440	857	93	312	44	8.1	21.8	2.6	10.9	1.6	3.6	0.5	3.1	0.5	42	75	4
JPAC009	32	36	4	966	252	281	60	209	31	6	19.3	2.4	12.2	2.2	5.8	0.7	4	0.5	81	34	5
JPAC009	36	40	4	2182	441	942	119	444	67	11.6	36.6	4	18.9	2.9	6.9	0.8	4.3	0.5	83	39	5
JPAC009	40	44	4	2878	518	1277	147	580	88	18.3	54.4	6.3	29.7	4.8	11.3	1.5	8.7	1.1	133	71	7
JPAC009	44	48	4	2073	379	884	100	387	63	13.6	41.4	4.9	23.8	4.2	11.5	1.5	10.9	1.6	147	27	4
JPAC009	48	52	4	1924	340	837	91	364	63	12.9	39.4	4.4	19.6	3.6	9.4	1.2	8	1.1	129	20	4
JPAC009	52	56	4	1894	340	839	92	368	61	12.6	38.2	4.1	18.8	3	7.5	0.9	5.6	0.8	104	15	3
JPAC009	56	60	4	1856	338	814	93	372	63	12.7	38.7	4.2	18.6	2.9	6.5	0.7	4.4	0.6	87	14	2
JPAC009	60	64	4	1648	307	727	83	330	54	11.6	34.4	3.7	16.1	2.4	5.3	0.6	3.9	0.5	70	12	2
JPAC009	64	68	4	1760	320	761	89	363	60	12.6	37.7	4.1	17.4	2.7	6.1	0.8	4.6	0.6	82	13	2
JPAC009	68	73	5	1828	335	803	93	367	61	12.9	37.6	4.1	17.9	2.8	6.2	0.7	4.2	0.6	82	15	2
JPAC010	4	8	4	1085	194	483	58	214	31	6.4	17.7	1.9	9.9	1.7	4.7	0.8	5.1	0.7	57	11	2
JPAC010	8	12	4	999	147	377	48	201	36	7.8	26.9	3.3	17.2	3.1	9.1	1.3	8.4	1.2	112	9	2
JPAC010	12	14	2	1030	174	431	51	194	32	7.3	23.8	3	14.4	2.5	6.8	0.8	5.6	0.8	84	12	2
JPAC011	4	9	5	908	181	413	46	164	24	4.9	13.9	1.7	8.4	1.4	3.7	0.4	3.1	0.4	44	18	2
JPAC012	4	8	4	806	158	387	36	137	21	4.1	13.3	1.6	7.4	1.4	3.2	0.3	2.1	0.2	34	16	2
JPAC012	8	12	4	1006	219	524	37	127	17	3.9	11.4	1.5	8	1.6	4.3	0.5	2.8	0.3	49	19	1
JPAC012	12	16	4	540	133	278	22	67	8	1.8	4.7	0.6	2.8	0.5	1.7	0.3	2.1	0.2	20	19	1
JPAC012	16	20	4	946	240	449	45	142	18	3.7	9	1	5.2	0.8	2.4	0.3	2.3	0.4	28	24	2
JPAC012	20	24	4	1038	228	485	53	172	21	4.6	12.5	1.4	7.2	1.3	3.4	0.6	4.3	0.7	43	20	4
JPAC012	24	27	3	619	135	268	29	104	13	3.6	8.9	1.2	6.8	1.3	3.4	0.5	3.3	0.5	41	30	4
JPAC013	24	28	4	1066	286	479	51	164	22	4.7	13	1.5	7.3	1.2	2.8	0.3	2.1	0.3	30	30	3

ASX: CRI

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC013	28	32	4	3087	717	1510	153	490	66	13	36	4.2	18.1	2.6	5.7	0.8	4	0.4	67	35	4
JPAC013	32	36	4	2214	412	1043	113	402	58	12.7	37.1	4.6	20.4	3.4	7.7	1	5.6	0.7	94	34	4
JPAC013	36	40	4	1713	323	752	89	323	45	10.2	30.1	3.6	18.1	3.1	8.2	1.1	7.2	0.9	101	19	5
JPAC013	40	44	4	1406	270	608	73	266	39	8.5	25.5	3	14.7	2.5	6.4	0.9	5.5	0.7	83	13	4
JPAC013	44	48	4	1544	286	662	84	309	47	10.2	29.7	3.6	15.9	2.6	6.7	0.9	5.4	0.7	81	12	4
JPAC013	48	52	4	1131	234	501	58	204	29	6.5	18.3	2.2	10.8	1.9	4.7	0.7	4	0.6	56	12	3
JPAC013	52	56	4	1117	246	507	56	191	26	6.3	16.7	2.1	9.4	1.6	4	0.6	3.3	0.5	47	13	3
JPAC013	56	60	4	1182	279	549	58	189	25	6.1	15.7	1.9	8.4	1.4	3.7	0.5	2.9	0.4	42	18	3
JPAC013	60	64	4	1097	232	495	56	196	28	6.5	16.9	2	9	1.6	3.5	0.5	3.1	0.5	47	13	4
JPAC013	64	70	6	1011	228	464	52	170	23	5.4	14.2	1.7	7.8	1.3	3.2	0.4	2.7	0.4	38	15	3
JPAC014	12	16	4	943	338	322	55	161	17	3.1	9.7	1.1	5.4	0.8	2.2	0.3	1.6	0.2	26	22	2
JPAC014	28	32	4	250	99	87	13	35	5	0.7	2.7	0.4	1.7	0.3	0.5	0.1	0.5	0.1	6	34	1
JPAC014	32	36	4	466	183	170	24	63	7	1.3	4.1	0.6	2.5	0.3	1	0.1	0.9	0.1	9	28	1
JPAC014	36	42	6	1916	371	1033	91	289	36	6.3	20.6	2.6	11.8	1.8	4.1	0.6	3.6	0.4	45	37	3
JPAC015	16	20	4	656	139	384	25	73	9	1.5	5.4	0.8	3.2	0.5	1.3	0.2	1.4	0.2	13	21	1
JPAC015	20	24	4	994	174	569	42	136	19	3	10.2	1.2	5.9	1	2.6	0.4	2.3	0.3	28	19	2
JPAC015	24	28	4	1601	258	936	65	216	33	5	19.3	2.6	11.8	1.8	4.2	0.6	3.6	0.4	44	22	3
JPAC015	28	32	4	1618	239	927	64	220	34	5.8	22.7	3.2	15.7	2.7	6.5	0.9	5.5	0.6	71	20	2
JPAC015	32	37	5	997	199	484	46	157	23	4.1	14.8	2	9.8	1.8	4	0.6	3.3	0.4	47	22	2
JPAC016	12	16	4	362	114	132	19	60	8	1.7	5.3	0.8	3.2	0.6	1.4	0.2	1.1	0.2	15	21	2
JPAC016	16	20	4	1115	313	392	69	217	31	6.6	18.6	2.2	10.8	1.7	3.6	0.5	2.1	0.3	48	30	2
JPAC016	20	24	4	1820	400	856	93	298	41	8.3	24	2.9	13.7	2.4	5.5	0.7	3.5	0.4	70	33	3
JPAC016	24	28	4	3055	523	1566	140	497	74	16.8	52.3	6.4	30.9	5	11	1.5	8.7	1	122	39	5
JPAC016	28	32	4	1934	360	962	86	295	44	9.8	31.7	4	19.2	3.4	8.2	1.1	6.1	0.8	103	40	5
JPAC016	32	36	4	1255	313	620	61	166	21	4.5	13.1	1.7	8.1	1.3	2.9	0.4	2.3	0.3	40	44	4
JPAC016	36	40	4	1698	386	727	97	311	41	8.5	26.4	3.2	14.6	2.5	5.4	0.7	3.7	0.5	71	40	5
JPAC016	40	44	4	1604	276	636	88	336	55	12.4	40.2	4.9	23.9	4	9.3	1.2	7	0.9	110	30	4
JPAC016	44	48	4	837	170	355	44	161	23	5.4	14.5	1.8	8.8	1.5	3.9	0.6	3.5	0.5	45	24	2
JPAC016	48	54	6	961	162	406	48	181	30	6.8	20.5	2.4	12.2	2.3	6.6	1	7	1.2	75	23	3
JPAC017	20	24	4	498	131	209	24	76	12	2.4	7.6	0.9	4.3	0.8	2.2	0.3	1.9	0.4	25	31	2
JPAC017	24	28	4	1171	253	615	54	168	25	4.9	13.4	1.6	6.4	1	2.3	0.3	1.5	0.2	24	33	3
JPAC017	28	32	4	1975	352	1046	97	323	48	9.7	27.4	3	11.9	1.9	4.1	0.5	2.2	0.3	48	31	2
JPAC017	32	36	4	945	193	436	46	157	26	5.8	17.6	2.1	9.6	1.7	3.9	0.5	2.8	0.4	44	48	3
JPAC017	36	40	4	978	235	371	52	172	29	6.3	20.9	2.5	11.8	2.2	5.5	0.7	4	0.7	66	31	4

ASX: CRI

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC017	40	44	4	1521	427	599	83	260	39	8.2	23.9	2.8	12.3	2	4.7	0.6	3.4	0.5	55	31	4
JPAC017	44	48	4	841	222	399	41	120	16	3.9	9.4	1	4.7	0.8	1.9	0.2	1.6	0.3	21	26	3
JPAC017	48	52	4	798	192	382	36	111	15	4.9	9.5	1.2	5.8	1.1	2.8	0.4	2.3	0.4	34	31	3
JPAC017	52	56	4	3290	476	1701	159	599	94	20.4	53.6	6.5	28.7	5.1	12.3	1.7	10.7	1.5	121	26	4
JPAC017	56	62	6	1191	216	548	60	205	32	7.1	20.8	2.5	11.5	2.2	6	0.9	5.9	1.1	73	25	5
JPAC018	20	24	4	642	162	247	36	120	20	3.9	11.5	1.4	6.2	1.1	2.4	0.3	1.8	0.3	28	39	3
JPAC018	24	28	4	717	200	234	45	148	23	4.8	14.2	1.6	7	1.2	2.8	0.3	1.9	0.3	33	40	3
JPAC018	28	32	4	1038	270	336	64	216	34	7.1	22.8	2.8	12.7	2.3	5.7	0.7	3.6	0.5	61	23	3
JPAC018	32	36	4	2408	642	917	133	450	66	13.6	38.6	4.6	20.8	3.7	9.1	1.3	7.6	1.1	100	53	5
JPAC018	36	40	4	1750	414	688	98	339	51	10.7	31.8	3.8	17.4	3	7.3	0.9	5.1	0.7	80	21	4
JPAC018	40	44	4	1372	245	680	63	219	34	7.2	22	2.6	12.7	2.3	6	0.8	4.3	0.6	73	20	4
JPAC018	44	48	4	1071	167	483	53	198	35	7.1	23	2.8	13.2	2.4	6.2	0.8	4.9	0.8	75	17	6
JPAC018	48	52	4	1252	244	642	58	193	30	6.5	18.2	2	9.6	1.6	3.5	0.5	2.8	0.4	40	25	5
JPAC018	52	56	4	739	159	425	26	80	11	3.5	6.7	0.8	3.8	0.6	1.9	0.3	2	0.3	19	38	5
JPAC018	56	60	4	1039	249	459	51	169	23	7.3	14.1	1.6	8	1.5	4.2	0.6	4.1	0.7	46	24	3
JPAC018	60	64	4	581	139	245	24	76	11	4.5	9.2	1.2	6	1.4	4.5	0.7	3.8	0.7	55	21	2
JPAC018	64	68	4	596	147	285	27	81	11	3.8	6.9	0.8	3.6	0.7	2.1	0.3	1.8	0.4	26	21	2
JPAC018	68	70	2	750	175	354	35	113	16	4.3	10.3	1.2	5.7	1	2.7	0.4	2.1	0.4	31	18	2
JPAC019	8	12	4	1561	360	691	82	265	41	8.2	24.9	2.9	12.9	2.2	5.2	0.7	3.7	0.5	62	39	5
JPAC019	12	16	4	2627	504	1234	139	480	76	15.2	46.8	5.5	23.4	3.7	8.2	0.9	5.3	0.6	85	32	4
JPAC019	16	20	4	1937	319	869	105	394	63	13.1	37.9	4.5	19.5	3.2	7.9	1	5.9	0.8	93	24	4
JPAC019	20	24	4	615	132	257	27	90	13	4.7	10.6	1.5	9.3	2.1	5.7	0.7	3.9	0.5	58	17	2
JPAC019	24	28	4	334	83	136	15	46	7	4.7	4.9	0.6	3.3	0.7	2.2	0.4	2.7	0.4	28	12	1
JPAC019	28	32	4	990	198	459	50	166	24	6.9	15.2	1.8	8.8	1.6	4	0.6	3.7	0.6	51	25	2
JPAC019	32	36	4	1808	333	817	93	322	52	12.3	34.2	4.2	19.1	3.5	8.7	1.1	6.1	0.8	102	30	4
JPAC019	36	40	4	1553	291	677	79	297	48	10.7	30.1	3.6	17.6	2.9	7.8	0.9	6	0.9	81	25	4
JPAC019	40	44	4	1482	259	632	74	281	48	10.5	30.9	3.8	19.1	3.3	8.6	1.1	7.2	1	103	21	3
JPAC019	44	49	5	1069	199	459	54	197	32	7.3	21.4	2.6	13.5	2.2	6	0.8	4.9	0.7	69	15	3
JPAC020	16	20	4	762	187	286	45	157	25	5	13.4	1.6	7.3	1.1	2.7	0.3	1.6	0.2	30	24	2
JPAC020	20	24	4	1219	263	488	69	250	39	7.8	22.4	2.6	12	1.7	4.4	0.5	2.5	0.3	57	22	2
JPAC020	24	28	4	1819	351	795	99	353	58	10.9	34.7	4.1	19.1	2.8	6.6	0.7	3.5	0.4	81	19	2
JPAC020	28	32	4	1795	311	830	91	333	57	11	36.8	4.4	20.6	3.1	7.2	0.7	3.6	0.4	86	22	3
JPAC020	32	36	4	1884	335	783	101	385	66	12.7	41.5	5	23.1	3.7	9.1	1	5.1	0.7	112	21	3
JPAC020	36	40	4	2311	360	985	123	477	82	15.4	53.7	6.4	30.8	5.1	12.7	1.4	7.2	0.9	152	21	3

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC020	40	44	4	811	202	394	38	116	15	3.4	8.1	0.9	4.9	0.8	2.2	0.3	1.7	0.2	24	29	1
JPAC020	44	48	4	924	230	449	42	131	19	4.1	11.3	1.3	5.9	0.9	2.1	0.3	1.9	0.3	26	32	2
JPAC020	48	52	4	1678	425	702	86	275	39	8.3	23.5	3	15.1	2.6	7	0.9	4.4	0.6	86	28	2
JPAC020	52	56	4	1785	395	806	81	274	37	8.3	25.7	3.4	17.9	3.4	9.6	1.3	7.8	1	113	24	2
JPAC020	56	60	4	1364	243	817	50	160	22	4.1	11.9	1.4	7.1	1.4	3.8	0.5	3.6	0.6	40	32	3
JPAC020	60	64	4	1816	428	792	92	302	38	8.4	23.8	3	15	2.8	8.2	1.2	6.8	1	94	20	2
JPAC020	64	68	4	1762	399	769	93	316	40	8.9	24.4	3	14.1	2.4	7.2	0.9	5.9	0.9	77	17	3
JPAC020	68	72	4	1327	277	578	66	233	31	6.9	20.3	2.6	13.7	2.3	7.2	0.9	6.1	0.8	81	15	3
JPAC020	72	74	2	1076	236	496	54	174	24	4.9	14.2	1.7	8.7	1.5	4.3	0.5	3.6	0.5	54	16	2
JPAC021	36	40	4	497	130	201	27	88	12	2.7	7.4	1	5	0.8	2.1	0.3	1.4	0.1	19	38	5
JPAC021	40	44	4	940	206	402	54	189	26	5.1	14.5	1.7	7.9	1.2	2.6	0.2	1.5	0.2	30	19	4
JPAC021	44	48	4	2171	416	1100	106	370	50	10.5	28.5	3.2	15.5	2.4	5.6	0.6	3.4	0.4	60	22	4
JPAC021	48	52	4	1758	331	808	89	326	47	8.8	27.9	3.6	18	2.8	7.4	1	5.9	0.7	81	21	5
JPAC021	52	56	4	1930	323	847	93	349	56	10.1	38.5	5	26.7	4.6	13.4	1.8	12.2	1.8	149	18	4
JPAC021	56	60	4	1782	305	785	90	330	52	9.1	33.2	4.1	22.2	3.9	10.7	1.6	9.9	1.3	126	18	4
JPAC021	60	64	4	2512	422	1185	104	389	59	11.1	39.7	5.2	28.8	5.7	17.8	2.4	15	2.2	225	16	5
JPAC021	64	66	2	784	138	350	35	131	19	4	13.5	1.7	9.3	1.7	5.7	0.8	4.9	0.7	68	21	3
JPAC023	8	12	4	1131	199	631	57	186	24	5	9.4	1	4.3	0.5	1.2	0.1	0.9	0.1	12	14	2
JPAC023	12	16	4	2136	343	1277	89	300	42	8.5	22.4	2.6	11.7	1.6	3.8	0.4	2.6	0.3	33	19	5
JPAC023	16	20	4	1725	303	844	93	336	53	9.4	24.9	2.6	11.3	1.7	4.1	0.5	2.9	0.4	40	17	5
JPAC023	20	24	4	1194	187	469	59	222	39	8.8	31	4	21.2	3.8	10.6	1.4	9.3	1.3	129	18	4
JPAC023	24	28	4	1035	181	451	55	200	33	6.9	21.6	2.6	11.9	2	5	0.6	3.8	0.5	60	17	4
JPAC023	28	32	4	1043	180	445	54	207	34	7	21.8	2.6	12.9	2.1	5.6	0.8	4.1	0.6	66	17	3
JPAC023	32	36	4	1035	178	445	54	205	34	6.9	21.9	2.8	12.6	2.1	5.4	0.7	4	0.6	64	16	3
JPAC023	36	41	5	1072	192	459	55	210	34	7.3	22.1	2.7	13.1	2.1	5.8	0.7	3.7	0.6	65	20	5
JPAC024	44	48	4	695	172	330	31	100	13	2.7	7.9	0.9	5	0.8	2.5	0.3	1.8	0.3	28	43	2
JPAC024	48	52	4	716	160	392	28	89	11	2.2	6.4	0.8	3.8	0.7	1.6	0.2	1.7	0.2	20	34	2
JPAC024	52	56	4	574	130	307	24	74	9	1.6	5	0.7	3.2	0.5	1.3	0.2	1.3	0.2	16	32	2
JPAC024	56	60	4	505	114	268	21	68	8	1.7	4.5	0.5	2.4	0.4	1.2	0.2	1.1	0.2	14	30	2
JPAC024	60	64	4	476	95	269	19	60	7	1.6	4.5	0.6	2.7	0.4	1.3	0.1	1.1	0.2	14	24	2
JPAC024	64	68	4	806	124	502	26	91	12	3.9	7.6	0.9	5.1	0.8	2.5	0.4	2.5	0.3	27	19	4
JPAC025	40	44	4	1374	388	445	90	316	44	9.1	21.7	2.6	10.5	1.5	3.6	0.4	2.7	0.3	38	21	2
JPAC025	44	48	4	1764	418	698	99	353	58	12.4	35.4	4	17.4	2.4	5.7	0.6	3.3	0.4	58	50	3
JPAC025	48	52	4	1566	312	705	78	287	45	9.4	28.8	3.5	16.2	2.5	5.8	0.7	3.9	0.6	68	46	4

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC025	52	56	4	1110	165	626	43	159	26	5.1	15.9	1.9	9.8	1.6	4.1	0.6	3.4	0.5	49	35	4
JPAC025	56	60	4	2295	409	872	128	506	81	17.6	54.4	6.6	32.4	5.2	13	1.6	9.3	1.2	158	36	5
JPAC025	60	64	4	1665	282	666	84	335	54	10.7	37.1	4.7	23.2	4.1	11.6	1.5	9.5	1.2	142	31	6
JPAC025	64	68	4	1278	218	519	65	254	42	9.4	28.2	3.5	16.4	2.9	8.7	1.1	7.5	1.1	101	23	4
JPAC025	68	72	4	1230	215	510	62	246	39	8.2	25.9	3.1	15.7	2.6	6.8	0.9	4.9	0.8	90	21	4
JPAC025	72	76	4	1308	223	559	68	258	42	9	27.3	3.3	16.3	2.7	7.5	1	5.3	0.6	86	24	4
JPAC025	76	80	4	1026	192	440	52	196	32	5.9	20.5	2.5	11.6	2	5.3	0.6	4.4	0.6	62	21	4
JPAC025	80	84	4	893	175	393	44	165	25	4.7	16.7	2	9.2	1.6	3.9	0.5	3.3	0.5	50	14	3
JPAC026	16	20	4	795	222	323	42	134	18	3.9	10.8	1.4	6.3	1	2.5	0.3	1.7	0.2	29	26	2
JPAC026	20	24	4	1253	326	524	67	220	31	6.7	18.2	2.1	10.1	1.5	3.7	0.4	2	0.3	42	38	2
JPAC026A	16	20	4	879	237	363	45	153	20	4	11.5	1.5	6.4	1.1	2.7	0.3	1.9	0.2	31	29	3
JPAC026A	20	24	4	886	223	373	46	153	22	4.5	13.7	1.6	7.9	1.2	3.1	0.4	2	0.3	34	32	2
JPAC026A	24	28	4	1724	325	825	85	314	50	10.1	29.4	3.4	14.7	2	4.5	0.5	2.5	0.3	58	35	2
JPAC026A	28	32	4	1490	260	694	71	285	44	9.3	28.4	3.2	15.6	2.5	5.9	0.7	3.4	0.4	67	26	3
JPAC026A	32	36	4	1508	278	678	80	296	45	7.7	24.6	2.9	14.8	2.3	5.9	0.7	3.9	0.6	68	31	3
JPAC026A	36	40	4	1978	314	868	103	420	70	12.3	41	4.8	22.9	3.8	9.3	1.1	6.1	0.8	101	39	3
JPAC026A	40	44	4	1541	244	677	76	305	55	9.9	35.2	4.2	20.3	3.3	8.2	1.2	6.6	0.8	94	32	4
JPAC026A	44	47	3	980	195	431	49	177	27	4.7	16.9	2	10.1	1.8	4.9	0.7	3.6	0.6	57	32	2
JPAC027	12	16	4	1331	252	613	57	205	33	6.8	22.6	3	16.5	3.1	8.9	1.1	6.6	0.7	101	23	2
JPAC027	16	20	4	1235	264	562	63	222	32	6.4	18.9	2.4	10.8	1.6	3.8	0.4	2.4	0.3	45	23	2
JPAC027	20	24	4	1148	249	511	59	206	31	6.2	18.5	2.2	10.4	1.6	4.1	0.4	2.8	0.3	46	21	2
JPAC027	24	28	4	1401	294	645	71	250	35	7	21.6	2.7	12.6	1.9	4.6	0.6	3	0.4	53	25	3
JPAC027	28	32	4	2839	499	1283	140	555	91	17.9	59.7	7.4	34.4	5.2	13	1.4	8	0.9	125	27	5
JPAC027	32	36	4	1248	203	496	59	236	38	8.5	29.2	4	20.5	3.7	10.9	1.6	10.7	1.6	127	14	4
JPAC027	36	40	4	894	169	383	45	167	27	5.1	17.5	2.2	10.6	1.8	5.1	0.5	4	0.5	57	13	3
JPAC028	24	28	4	703	186	244	40	140	23	4.6	13.9	1.7	8.3	1.3	3.4	0.4	2.2	0.2	35	20	2
JPAC028	28	32	4	1674	353	770	86	292	43	8.1	24.4	2.9	14.5	2.3	6.1	0.7	3.7	0.4	68	22	3
JPAC028	32	36	4	1568	332	715	80	275	41	7.7	22.5	2.8	14.1	2.2	5.4	0.6	4.1	0.5	66	22	3
JPAC028	36	40	4	2109	339	1019	101	372	60	12.3	37.9	4.6	23.6	3.9	10.3	1.3	7.3	0.9	117	20	4
JPAC028	40	44	4	2292	326	990	112	461	80	17.9	56.3	7.1	37.8	6.3	17	2.1	12	1.4	166	24	7
JPAC028	44	48	4	2419	351	950	113	482	90	18.9	67.2	9.6	52.3	9.6	25.4	3.2	18.6	2.1	228	29	10
JPAC028	48	52	4	2073	354	856	100	391	66	14.2	45.2	5.7	30.7	5.4	15.9	2	12.4	1.9	173	29	8
JPAC028	52	56	4	1933	338	840	95	361	61	12.7	39.7	5	24.6	4.3	11.2	1.6	9.9	1.4	128	29	7
JPAC028	56	61	5	1583	252	651	79	303	52	10.5	34.9	4.2	23.3	4.2	12.1	1.7	9.9	1.6	144	24	5

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC029	40	44	4	710	189	305	34	111	16	3.3	9.9	1.2	6.1	1	2.7	0.4	2.4	0.3	29	32	4
JPAC029	44	48	4	2916	659	1332	144	494	72	14.4	40.1	4.6	22.8	3.6	9.6	1.3	7.5	0.8	110	30	4
JPAC029	48	52	4	2738	524	1283	146	511	78	15.6	42	5	22.2	3.4	8.5	1	6.5	0.8	91	39	6
JPAC029	52	56	4	2383	450	1143	117	415	64	12.2	36.7	4.3	21.4	3.4	9.2	1.2	6.7	0.9	98	38	5
JPAC029	56	60	4	1554	251	740	74	276	44	8.8	27.7	3.3	16.8	2.9	8	1.1	6.8	0.9	92	23	4
JPAC029	60	64	4	1691	293	743	88	329	52	10.7	33	4.1	19.1	3.2	8.5	1.1	7.3	0.9	99	26	4
JPAC029	64	68	4	1480	228	614	76	300	49	9.9	33.7	4.1	21	3.8	10.4	1.5	8.6	1.2	120	22	4
JPAC029	68	72	4	1237	216	537	64	234	39	7.6	24.2	2.9	15.6	2.6	6.6	0.9	4.9	0.8	83	23	3
JPAC029	72	75	3	1038	178	445	56	207	35	6.9	21.2	2.5	12.7	2.2	5.7	0.8	4.3	0.6	62	18	4
JPAC030	28	32	4	784	229	298	41	136	20	3.9	11.6	1.4	7	1.1	2.8	0.3	2	0.3	28	43	3
JPAC030	32	36	4	955	250	323	56	199	30	6	19.5	2.4	12.4	2	4.6	0.6	3	0.4	47	42	3
JPAC030	36	40	4	982	269	301	57	200	31	6.6	21.8	2.7	13.9	2.3	6.3	0.7	3.5	0.4	68	39	2
JPAC030	40	44	4	305	90	113	15	49	6	2	4.3	0.6	2.6	0.5	1.4	0.1	0.8	0.2	19	34	1
JPAC030	44	48	4	367	104	145	18	61	8	2.2	5.2	0.6	3.1	0.5	1.4	0.2	1.1	0.2	17	47	2
JPAC030	48	52	4	1053	250	383	60	212	34	6.9	21.3	2.6	13.5	2.1	5.2	0.7	3.6	0.6	58	40	6
JPAC030	52	56	4	2071	355	1022	93	349	56	12	37.4	4.6	24.2	3.9	9.4	1.2	6.9	0.9	96	48	10
JPAC030	56	60	4	1547	296	712	77	278	46	8.9	28.1	3.4	16.6	2.6	6.1	0.7	4.7	0.5	68	42	8
JPAC030	60	64	4	1607	294	705	82	316	55	10.9	32.3	3.8	17.7	2.8	6.8	1	5.9	0.9	73	36	5
JPAC030	64	68	4	1128	192	461	56	216	37	7.5	24.9	3	16.2	2.8	8.1	1.1	6.8	1.1	96	27	4
JPAC031	12	16	4	915	245	406	41	137	20	4	12.3	1.5	7.7	1.2	3.1	0.4	2.4	0.3	33	23	2
JPAC031	16	20	4	1834	426	906	87	281	39	7.6	20.4	2.3	11.4	1.6	3.8	0.4	2.6	0.3	46	29	2
JPAC031	20	24	4	2640	555	1283	132	442	62	12.6	33.3	3.9	18.3	2.8	6.8	0.7	3.5	0.6	84	35	2
JPAC031	24	28	4	2301	447	1063	118	421	66	12.2	37.4	4.2	20.3	3.1	7.6	0.8	3.9	0.5	96	24	2
JPAC031	28	32	4	981	240	421	53	171	24	4.6	14.1	1.7	8.5	1.3	3	0.3	2	0.3	36	24	2
JPAC031	32	36	4	801	191	388	38	111	16	3.2	10	1.4	7.2	1.1	2.9	0.4	2.3	0.3	29	20	3
JPAC031	36	40	4	597	127	291	26	84	12	3.4	8.6	1	5.3	0.9	2.6	0.3	2.2	0.3	32	23	2
JPAC031	40	44	4	553	112	268	25	80	14	2.7	8.4	1.1	5.7	1	2.8	0.4	2.7	0.4	29	24	4
JPAC031	44	48	4	1261	251	523	65	230	39	8	28.2	3.5	18.3	2.8	7.5	0.9	5.3	0.7	78	18	4
JPAC031	48	52	4	1132	238	484	60	203	34	6.5	22.2	2.7	13.7	2.1	5.1	0.5	3.8	0.6	56	15	4
JPAC031	52	56	4	2479	578	1102	126	419	70	13.3	43.9	5.7	26.5	3.6	8.1	0.9	5	0.8	77	19	5
JPAC031	56	60	4	1752	347	796	93	335	50	9.2	26.4	3.1	15	2.3	6.2	0.8	5.2	0.7	64	38	2
JPAC031	60	64	4	1075	223	388	56	210	34	6.5	25.6	3.1	16.1	2.9	7.6	1	6.3	1	94	23	2
JPAC031	64	68	4	1098	225	446	55	197	32	5.6	22.3	2.6	14.6	2.5	6.6	0.8	5	0.8	84	20	2
JPAC031	68	72	4	710	177	330	33	102	14	3	8	0.9	4.8	0.8	2.5	0.3	1.7	0.3	32	29	1

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC031	72	76	4	342	85	159	17	52	7	1.9	3.6	0.5	1.9	0.4	1	0.1	0.9	0.1	12	16	1
JPAC031	76	80	4	1013	235	472	51	167	23	4.7	13.1	1.4	7.1	1.1	3	0.3	2.1	0.4	34	32	2
JPAC032	28	32	4	716	252	138	58	192	25	5	14.1	1.5	7.1	1	2.1	0.2	1	0.1	19	20	2
JPAC032	32	36	4	631	184	148	43	153	24	5.3	16.4	2	10.3	1.6	3.5	0.3	1.7	0.2	38	11	3
JPAC032	36	40	4	1284	328	336	82	308	51	11.4	36.4	4.4	23.2	3.4	7.4	0.7	3.2	0.3	89	7	2
JPAC032	40	44	4	1243	276	355	71	285	49	11.5	39.5	4.9	24.7	4.1	9.5	0.9	4.1	0.4	109	9	2
JPAC032	44	48	4	1222	183	625	67	229	34	6.4	16.6	2	10.3	1.6	4.1	0.6	3.6	0.5	39	5	2
JPAC032	48	52	4	3716	904	1474	214	724	104	19.6	57.2	6.9	35.8	5.7	14.7	2	11.8	1.5	142	8	2
JPAC032	52	56	4	6506	904	3966	214	773	115	23.9	74.7	9.4	53	9.8	27.8	3.7	23	3.3	305	7	2
JPAC032	56	60	4	3303	496	1799	111	429	64	14	51.4	6.3	35.1	6.6	19.9	2.7	16	2.5	249	6	1
JPAC032	60	64	4	1052	181	399	45	172	28	6.9	22.4	3	16.9	3.5	10.4	1.5	9.2	1.7	153	6	2
JPAC032	64	68	4	755	129	296	36	137	23	5.6	16.8	2.2	11.9	2.2	6.4	0.8	5.1	0.7	83	7	1
JPAC032	68	72	4	819	141	340	42	161	25	5.7	16.3	2.2	10.9	1.9	5.4	0.6	3.7	0.6	62	6	1
JPAC033	24	28	4	880	226	415	45	135	17	3.3	9	1	4.8	0.8	1.5	0.2	1.2	0.1	21	15	2
JPAC033	28	32	4	1050	264	495	54	167	22	3.8	11.3	1.3	6	0.9	2	0.3	1.4	0.2	22	20	2
JPAC034	36	40	4	685	143	355	30	103	14	2.8	8	0.9	4.6	0.7	2.2	0.2	1	0.1	20	21	1
JPAC034	40	44	4	1534	279	790	68	241	35	7.4	21.7	2.5	12.7	2.1	5.3	0.6	2.9	0.3	65	14	1
JPAC034	44	48	4	1615	305	852	73	253	35	7	20.1	2.2	11.5	1.7	4.5	0.5	3.2	0.4	45	17	3
JPAC034	48	52	4	1562	267	828	67	245	34	6.9	20.8	2.4	12.5	2.1	5.8	0.7	4.4	0.5	65	12	3
JPAC034	52	56	4	1698	293	915	74	264	38	7.6	22.2	2.5	13.4	2	5.3	0.6	3.8	0.5	58	12	3
JPAC034	56	60	4	2243	416	966	115	433	66	12.4	44.3	5.3	28.5	4.7	11.8	1.4	7.9	0.9	130	33	3
JPAC034	60	64	4	2276	402	935	116	457	73	13.1	51.5	6.4	34.9	5.6	14.3	1.7	9.3	1	156	44	3
JPAC034	64	68	4	1007	209	430	51	184	28	4.7	17.7	2.2	12.3	2	5.2	0.7	3.6	0.4	58	29	2
JPAC034	68	72	4	981	194	458	45	161	24	3.5	15.5	2	10.2	1.8	4.6	0.6	3.3	0.3	58	27	2
JPAC034	72	76	4	703	144	348	32	111	15	2.6	9	1	5.7	1	2.8	0.4	2.6	0.3	28	28	2
JPAC034	76	79	3	547	122	269	24	78	10	2.3	6.6	0.8	4.4	0.8	2.2	0.4	2.3	0.3	25	26	2
JPAC035	56	60	4	1639	610	420	115	344	39	7.4	21.7	2.4	12.7	2	5.1	0.7	4.3	0.5	56	29	2
JPAC035	60	64	4	751	221	297	41	127	16	2.8	8.3	1	5.1	0.9	2.4	0.3	2.1	0.3	26	26	1
JPAC035	64	68	4	1143	320	492	53	168	20	3.5	13.3	1.6	8.6	1.5	4.2	0.6	3.6	0.5	52	29	2
JPAC035	68	72	4	1132	311	492	53	167	21	3.4	13.3	1.6	8.3	1.5	4	0.6	3.7	0.5	51	29	2
JPAC035	72	76	4	501	130	236	22	69	9	1.3	4.8	0.6	3.4	0.7	1.8	0.3	1.7	0.3	21	26	1
JPAC035	76	79	3	419	110	193	20	60	7	1.5	4.3	0.5	2.8	0.5	1.5	0.2	1.3	0.2	17	22	1
JPAC036	48	52	4	1220	180	835	38	118	15	2.6	6.5	0.7	3.4	0.6	1.6	0.2	1.2	0.2	17	33	2
JPAC036	52	56	4	990	352	274	69	216	24	4.7	12	1.2	5.8	0.9	2.6	0.3	1.8	0.3	26	23	1

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC036	56	60	4	803	230	293	41	134	19	4.2	13	1.7	8.9	1.5	4.1	0.5	3.4	0.5	48	14	3
JPAC037	24	28	4	993	202	483	53	185	23	4.1	10.7	1.1	5.2	0.7	2	0.3	1.7	0.3	22	25	4
JPAC038	36	40	4	644	184	281	29	93	13	2.7	7.7	1	5.1	0.8	2.1	0.3	1.9	0.3	23	29	3
JPAC038	40	44	4	1451	341	641	71	248	37	7.2	23.6	2.7	12.6	2	5.1	0.6	3.4	0.4	56	19	2
JPAC038	44	48	4	1882	321	833	95	366	61	11	38.5	4.4	22.9	3.6	8.8	1.1	5.6	0.7	111	30	4
JPAC038	48	52	4	1313	216	614	67	258	40	7.9	23.3	2.6	12.9	1.9	5.3	0.7	4.3	0.5	59	22	4
JPAC038	52	56	4	829	139	350	43	175	27	6.6	18	2	10.1	1.6	4.1	0.5	3.5	0.5	48	18	4
JPAC038	56	60	4	1110	167	421	51	207	40	8.5	32.6	4.1	20.7	3.8	10.5	1.4	8.6	1.2	133	21	4
JPAC038	60	66	6	1012	177	425	51	200	34	6.7	22.4	2.6	12.7	2.2	5.6	0.7	4	0.5	69	20	3
JPAC039	36	40	4	485	184	230	16	34	3	0.6	2.1	0.3	1.8	0.3	1.2	0.1	1.2	0.2	10	50	2
JPAC039	40	44	4	934	258	442	42	129	17	3.5	9.1	1	5.2	0.8	2	0.3	2	0.3	21	16	2
JPAC039	44	48	4	1597	246	701	92	364	60	12.7	36.7	3.9	17.3	2.3	5.1	0.7	3.3	0.4	52	8	2
JPAC039	48	53	5	1550	326	677	77	290	48	10.7	32.3	3.5	16.8	2.3	5.8	0.7	3.7	0.5	55	20	2
JPAC040	32	36	4	354	130	162	13	35	4	0.9	2.1	0.2	1	0.2	0.5	0.1	0.4	0.1	5	13	1
JPAC040	36	40	4	726	162	368	35	110	15	2.8	7.6	0.9	4.2	0.6	1.4	0.2	1.1	0.1	18	33	1
JPAC042	52	56	4	1868	429	895	84	282	44	9.3	26.7	3.4	15.9	2.5	5.7	0.6	3.7	0.4	67	18	2
JPAC042	56	60	4	2294	433	1056	117	414	60	12.9	37.7	4.5	21.4	3.6	9.4	1.2	6.8	0.9	116	30	5
JPAC042	60	64	4	1861	289	721	85	318	54	12.4	41.4	5.6	30.5	6.4	18.4	2.5	15	2.1	262	15	5
JPAC042	64	69	5	999	196	442	51	182	27	6	17	2.1	9.7	1.7	4.7	0.5	3.3	0.5	56	11	2
JPAC043	44	48	4	743	185	354	37	117	16	3	8.2	0.9	4.2	0.6	1.6	0.2	1.2	0.1	16	29	2
JPAC043	48	52	4	570	135	302	25	74	9	1.7	4.9	0.6	2.6	0.5	1.1	0.2	0.9	0.2	12	47	2
JPAC043	52	56	4	1129	206	652	45	152	22	2.9	12.2	1.5	6.8	1.1	2.3	0.3	1.6	0.2	25	41	5
JPAC044	48	52	4	2201	528	1093	110	347	43	7.5	20.5	2.2	9.3	1.4	3.2	0.4	2.1	0.3	34	24	2
JPAC044	52	56	4	572	148	274	26	80	10	2.2	6.1	0.7	3.7	0.6	1.5	0.2	1.2	0.2	17	23	1
JPAC044	56	59	3	744	199	362	33	99	12	2.3	6.3	0.8	3.8	0.6	1.6	0.2	1.1	0.2	22	28	2
JPAC045	44	48	4	1682	443	808	86	267	33	5.4	13.3	1.4	5.5	0.7	1.4	0.2	1.1	0.1	17	9	2
JPAC045	48	52	4	529	118	284	23	70	9	1.3	4.2	0.6	3.2	0.5	1.5	0.2	1.4	0.2	14	26	2
JPAC045	52	56	4	887	195	485	39	112	15	2.4	7.4	1	4.8	0.8	2.1	0.3	1.9	0.3	21	46	2
JPAC045	56	60	4	804	200	400	39	111	14	2.1	7.6	0.9	4.7	0.7	2.1	0.3	1.5	0.2	20	42	2
JPAC045	60	64	4	1203	305	580	58	174	23	3.9	12.3	1.5	6.9	1.2	3.1	0.4	2.4	0.3	32	46	2
JPAC045	64	68	4	1271	344	567	63	189	25	4.2	15.7	1.8	8.7	1.5	4	0.4	2.7	0.4	45	45	2
JPAC045	68	72	4	765	199	377	36	101	12	2.1	6.8	0.8	4.1	0.7	2	0.2	1.4	0.2	23	33	1
JPAC045	72	75	3	769	198	377	36	103	13	2.4	7	0.9	4	0.7	1.8	0.2	1.4	0.2	24	33	1
JPAC046	60	64	4	824	185	431	36	112	15	2.7	8.2	1	5	0.8	2	0.3	1.7	0.2	23	23	2

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC048	12	16	4	909	208	403	48	159	23	5.4	14.4	1.7	7.3	1.2	2.9	0.4	2.1	0.3	33	18	1
JPAC048	16	21	5	475	89	192	24	91	15	4.5	11.1	1.4	6.6	1.1	3.1	0.4	2.5	0.3	35	13	3
JPAC049	12	16	4	1214	220	511	66	248	39	7.5	24.3	2.7	12.6	2.2	5.5	0.7	4.1	0.5	70	14	3
JPAC050	12	16	4	516	128	230	26	88	12	2.9	6.3	0.7	3.3	0.6	1.4	0.2	1.1	0.1	16	24	1
JPAC050	16	20	4	433	111	210	20	60	8	2	4.4	0.5	2.1	0.5	1.2	0.2	1.2	0.2	13	23	1
JPAC050	20	25	5	463	118	225	22	68	7	2.1	4.2	0.4	2	0.3	1.1	0.1	1	0.2	11	26	1
JPAC051	16	20	4	1668	434	507	113	388	62	15.2	35.5	4.1	19.2	2.9	6.9	0.8	5	0.6	74	19	2
JPAC051	20	24	4	1456	357	548	82	266	40	8.8	26.2	3.4	17.3	3	7	0.8	5.4	0.6	93	21	3
JPAC051	24	28	4	1803	391	738	102	346	53	10.5	33.2	4.1	20.9	3.2	7.2	0.9	5.6	0.7	88	20	3
JPAC051	28	32	4	2120	391	1047	102	349	52	10.7	32.3	4.1	19.7	3.2	7.4	1	5.3	0.6	96	22	4
JPAC051	32	36	4	2559	439	1012	139	535	92	18.2	57.5	7.1	34.8	5.9	15.7	2.3	14.9	2.1	184	20	3
JPAC051	36	40	4	2222	350	1076	97	363	59	11.5	35.6	4.7	23.4	4.5	13.4	2	13.4	1.8	168	34	3
JPAC051	40	44	4	1471	279	753	61	201	27	6.1	16.9	2.1	11	2.2	6.9	1.2	8.4	1.4	94	35	2
JPAC051	44	48	4	1180	272	593	51	157	20	4.6	12.3	1.4	7.3	1.4	4.1	0.6	4	0.6	52	36	2
JPAC051	48	50	2	906	203	492	39	115	14	3.3	7.3	0.9	4.3	0.6	1.6	0.2	1.4	0.3	24	30	3
JPAC052	12	16	4	616	187	147	44	149	20	4.6	13.1	1.5	7.5	1.2	2.9	0.4	2.1	0.2	36	16	2
JPAC052	16	20	4	2006	474	700	123	430	64	13.3	37.8	4.6	21.9	3.7	9.7	1.3	7.2	0.9	116	22	2
JPAC052	20	24	4	3529	429	2327	109	373	56	11.8	35.6	4.4	22.5	3.9	10.9	1.4	8.9	1.1	135	23	2
JPAC052	24	28	4	2509	380	1375	102	363	55	11.5	34.4	4.1	21.2	3.8	10.6	1.5	9.2	1.4	137	22	3
JPAC052	28	32	4	2013	435	965	105	344	47	8.6	25.6	2.9	13.7	2.2	4.9	0.7	3.6	0.5	55	20	3
JPAC052	32	36	4	1829	306	943	83	289	42	8.8	27.6	3.4	17.2	2.9	7.3	1	5.6	0.7	92	20	3
JPAC052	36	40	4	1735	276	1075	64	211	29	5.5	16.2	2	9.8	1.5	3.6	0.4	2.6	0.4	39	19	4
JPAC052	40	44	4	2279	405	1265	103	344	47	9.8	23.8	2.8	12.5	2	5.3	0.7	3.7	0.4	56	39	3
JPAC052	44	48	4	1431	223	785	62	219	33	7.2	19.2	2.3	11.6	1.9	4.9	0.6	4	0.5	58	19	4
JPAC052	48	52	4	1554	257	822	71	250	39	7.8	22.5	2.7	12.7	2.2	5.5	0.7	4.3	0.6	58	18	4
JPAC052	52	56	4	1483	260	667	72	257	41	8.9	27.2	3.3	17	3.3	8.7	1.2	8.9	1.2	107	15	4
JPAC052	56	60	4	1087	204	480	52	181	30	6.2	18.8	2.4	12	2.3	6.4	0.9	6.3	1	85	16	4
JPAC052	60	62	2	773	145	330	38	135	20	4.7	13.2	1.6	8.8	1.6	4.7	0.6	4.4	0.6	64	12	3
JPAC053	24	28	4	689	203	223	42	135	20	4.2	12.1	1.5	7.2	1.1	2.8	0.4	2	0.4	35	53	2
JPAC053	28	32	4	1348	351	405	87	298	45	9.5	30.2	3.6	17.3	2.9	6.8	0.7	3.4	0.4	87	29	2
JPAC053	32	36	4	1506	321	653	81	274	41	8.4	25.7	3.2	15	2.5	5.3	0.7	3.3	0.4	71	27	2
JPAC053	36	40	4	1585	228	903	62	221	35	7.6	23	2.9	13.8	2.4	5.8	0.8	3.6	0.4	78	26	3
JPAC053	40	44	4	2456	447	1283	111	380	53	11.5	32.3	3.8	18.8	3.2	8.1	1.1	6.2	0.8	96	24	3
JPAC053	44	48	4	1850	335	700	93	364	56	13	41.7	5.2	28.5	5.3	14.6	2.1	12.6	1.7	178	24	3

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC053	48	52	4	1284	255	551	62	217	34	7.7	22.5	2.8	14.3	2.7	7.9	1.1	7.1	1.1	99	19	4
JPAC053	52	56	4	1395	269	612	69	240	36	7.9	24	3	15.3	2.8	7.5	1.3	7.7	1.2	100	21	4
JPAC053	56	60	4	1143	226	512	58	201	31	6.2	19.1	2.5	11.5	1.9	5.4	0.7	4.1	0.6	63	19	2
JPAC053	60	62	2	924	196	416	46	156	23	5	14.1	1.8	8.8	1.5	3.9	0.5	3.2	0.5	49	18	2
JPAC054	32	36	4	846	243	311	49	149	23	4.9	14	1.7	7.6	1.2	2.7	0.3	1.5	0.3	38	25	2
JPAC054	36	40	4	1065	381	313	68	196	26	6	16.1	1.8	8	1.4	3	0.3	1.6	0.2	43	33	2
JPAC054	40	44	4	924	318	270	57	173	25	6.2	15.6	1.8	8.2	1.4	3.4	0.4	2.3	0.3	43	40	2
JPAC054	44	48	4	1869	585	623	113	360	46	9.6	28	3	14.2	2.3	5.4	0.6	3.7	0.6	76	40	3
JPAC054	48	52	4	1452	419	608	76	233	33	7	17.1	2	9.2	1.4	3.6	0.4	2.7	0.4	40	38	3
JPAC054	52	56	4	1381	378	569	72	229	32	7.3	19.2	2.4	11.4	1.8	4.5	0.6	4	0.5	51	38	4
JPAC054	56	60	4	1356	317	628	69	224	30	6.1	15.6	1.9	8.9	1.6	4	0.5	3.3	0.5	47	38	5
JPAC054	60	64	4	945	224	367	47	169	27	6.5	17.5	2.1	10.3	2.1	5.3	0.7	4.6	0.6	61	36	4
JPAC054	64	68	4	1435	279	688	63	228	39	8.9	23.9	2.9	14.1	2.5	6.5	0.9	5.2	0.7	73	35	4
JPAC054	68	72	4	2859	708	936	161	597	96	21.6	57	6.9	34	6.5	17.9	2.8	20.2	3	191	32	3
JPAC054	72	76	4	1359	277	503	56	185	29	6.8	19.8	2.7	16.4	4.1	14.5	2.7	19.1	3.5	221	25	3
JPAC054	76	80	4	916	216	408	45	148	22	4.8	12.6	1.5	7.5	1.4	3.4	0.5	3	0.4	42	19	2
JPAC054	80	84	4	1042	211	452	54	190	30	6.1	18.3	2.2	10.6	1.8	4.8	0.6	4.1	0.6	57	16	2
JPAC054	84	86	2	915	185	386	48	171	27	6	16.1	2	9.6	1.7	4.6	0.6	3.7	0.6	54	14	2
JPAC055	36	40	4	471	166	192	23	62	7	3.3	3.1	0.4	1.9	0.3	0.9	0.1	0.8	0.1	11	15	1
JPAC055	40	44	4	164	50	67	8	23	3	1.3	2	0.2	1.4	0.2	0.6	0.1	0.6	0.1	7	32	2
JPAC055	44	48	4	572	145	236	31	100	16	3.6	8.7	1	4.9	0.8	2.2	0.2	1.4	0.2	22	36	3
JPAC055	48	52	4	1325	294	560	72	253	39	8.1	22.5	2.6	11.7	2	4.5	0.6	3.2	0.4	52	26	4
JPAC055	52	56	4	2198	453	1032	105	370	57	12.5	32.1	3.8	18.3	3.3	7.8	0.9	5.5	0.6	97	36	5
JPAC055	56	60	4	2459	474	1088	112	406	61	13.5	40.7	5.1	26.5	5.5	15.1	2	12.8	1.5	196	31	5
JPAC055	60	64	4	1531	308	732	69	245	37	8.1	22.5	2.7	13.3	2.4	6.1	0.8	5.1	0.7	79	20	4
JPAC055	64	68	4	1846	377	920	87	301	42	9	22.9	2.6	12.5	2.2	5.4	0.7	5	0.7	59	14	3
JPAC055	68	72	4	1916	365	982	90	316	44	9.6	23.4	2.8	13.5	2.2	5.2	0.7	4.5	0.6	56	7	2
JPAC055	72	76	4	1139	221	513	57	208	31	6.4	18.6	2.2	11.3	1.9	5.1	0.7	4.3	0.6	58	14	3
JPAC055	76	81	5	1143	229	506	57	208	30	6.6	18.6	2.3	10.9	2	5.3	0.7	4.2	0.6	63	9	3
JPAC056	44	48	4	281	137	77	14	32	4	0.8	2.1	0.3	1.8	0.3	1.1	0.1	1.2	0.2	9	72	2
JPAC056	48	52	4	421	143	182	21	55	7	1	2.9	0.3	1.5	0.2	0.7	0.1	0.6	0.1	7	59	1
JPAC056	52	56	4	491	138	245	24	64	7	1.2	2.8	0.3	1.4	0.2	0.6	0.1	0.6	0.1	7	47	1
JPAC056	56	60	4	1341	385	610	67	194	22	4.1	11.6	1.5	6.5	1.2	2.8	0.4	2.2	0.3	33	34	1
JPAC056	60	64	4	2190	399	1186	90	286	42	7.4	25.1	3.3	17.3	3.4	9.8	1.4	9.3	1.1	110	36	3

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC056	64	68	4	1484	202	898	48	164	26	5	18.2	2.5	13.7	2.8	7.8	1.2	8.2	1	87	25	3
JPAC056	68	71	3	685	144	336	28	88	12	2.1	8.3	1.1	6.1	1.3	4	0.6	4.4	0.7	50	26	2
JPAC057	48	52	4	539	158	257	23	66	7	2.4	5.9	0.7	3.1	0.5	1.3	0.1	0.8	0.1	14	74	1
JPAC057	52	56	4	485	184	195	23	62	5	2	2.9	0.3	1.4	0.3	0.8	0.1	0.7	0.1	9	112	1
JPAC057	56	60	4	735	249	321	35	92	8	2.6	4.6	0.6	2.8	0.5	1.4	0.2	1.3	0.1	17	147	3
JPAC057	60	64	4	384	137	152	19	53	5	1.5	2.8	0.3	1.7	0.3	0.9	0.1	0.8	0.1	10	105	2
JPAC057	64	68	4	347	112	151	17	47	5	1.3	2.6	0.3	1.4	0.2	0.8	0.1	0.7	0.1	9	56	2
JPAC057	68	72	4	523	154	247	23	63	7	2	4.2	0.5	2.6	0.5	1.4	0.2	1.4	0.2	16	62	2
JPAC057	72	76	4	627	191	300	27	74	8	1.9	4	0.5	2.8	0.4	1.4	0.2	1.2	0.2	16	110	2
JPAC057	76	80	4	435	141	195	21	54	6	1.5	2.6	0.4	1.7	0.3	0.9	0.1	1.1	0.1	11	84	2
JPAC057	80	84	4	639	180	321	27	73	8	2.2	4	0.5	2.8	0.5	1.5	0.2	1.6	0.2	18	65	2
JPAC057	84	88	4	836	208	429	35	104	13	2.9	7	0.8	4.5	0.8	2.4	0.3	2.4	0.3	27	47	2
JPAC057	88	92	4	1050	215	505	46	149	22	4.4	13.8	1.9	10.3	2	6	0.7	4.7	0.7	71	33	4
JPAC058	40	44	4	1148	306	465	64	207	28	5.5	15.9	1.8	8.4	1.4	3.5	0.4	2.5	0.3	39	31	2
JPAC058	44	48	4	1533	387	668	80	266	35	7.5	20.5	2.3	10.9	1.7	4.1	0.5	3.1	0.4	47	18	2
JPAC058	48	52	4	1247	306	591	59	188	25	5.3	15.9	1.8	8.5	1.4	3.3	0.4	2.6	0.4	38	21	3
JPAC058	52	56	4	2726	660	1326	133	434	53	10.5	26.9	2.8	13.3	2.2	5.4	0.6	3.6	0.4	55	25	2
JPAC058	56	60	4	3434	789	1676	179	600	69	12.9	30.1	3.2	14.1	2.1	4.5	0.5	3.2	0.4	49	23	3
JPAC058	60	64	4	1721	398	860	84	262	32	6.2	15.3	1.8	8.8	1.4	4.2	0.5	3.4	0.4	44	29	4
JPAC058	64	68	4	2232	475	1063	112	382	52	10.4	27.8	3.1	15	2.5	6.7	0.9	6.1	0.8	75	28	4
JPAC058	68	72	4	2814	515	1160	128	457	68	14.5	47.7	5.9	35.4	8.1	25.5	4.1	29.6	4.8	311	29	3
JPAC058	72	76	4	2310	475	1062	110	372	49	10	29.4	3.3	17.9	3.8	11.4	1.7	11.8	2	151	24	3
JPAC058	76	80	4	2037	438	953	98	328	43	8.6	23.3	2.6	13	2.6	7.6	1.1	8.3	1.4	111	22	3
JPAC058	80	85	5	1519	331	720	74	246	33	7.1	19	2	10.5	1.9	5.1	0.7	4.6	0.8	65	20	3
JPAC059	36	40	4	1019	236	465	45	159	26	5.7	17.8	2.1	10.7	1.9	4.5	0.5	2.7	0.3	43	19	2
JPAC059	40	44	4	2006	420	965	93	326	51	11.1	33	3.8	16.8	2.7	6	0.7	3.7	0.4	73	31	3
JPAC059	44	48	4	1583	318	747	79	272	40	8	25.7	3	14.5	2.3	5.6	0.6	3.3	0.3	65	21	4
JPAC059	48	52	4	1699	318	810	87	301	45	8.9	26.6	3.1	14.2	2.5	5.7	0.7	4.2	0.6	72	16	6
JPAC059	52	56	4	1466	269	691	76	269	41	7.4	22.6	2.6	12.6	2.1	5.3	0.6	4.2	0.6	63	14	5
JPAC059	56	60	4	1158	274	571	54	173	22	4.9	12.5	1.3	6.4	1	2.9	0.4	2.8	0.4	32	17	3
JPAC059	60	64	4	639	139	292	31	105	15	3.5	9.6	1.1	5.9	1	2.9	0.4	2.8	0.4	31	13	4
JPAC059	64	68	4	433	110	198	19	59	8	2.3	5.9	0.6	3.8	0.7	2	0.3	2.2	0.3	22	18	3
JPAC059	68	72	4	857	174	372	43	149	21	5.1	14.6	1.9	8.8	1.8	4.8	0.7	4.4	0.7	56	14	5
JPAC059	72	76	4	1038	197	465	53	189	28	6.2	18.2	2.2	10	1.9	5	0.7	4.1	0.6	56	11	6

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC060	52	56	4	491	104	223	25	82	12	2.8	8.9	1.2	4.8	0.8	2.2	0.3	1.6	0.2	22	6	3
JPAC060	56	60	4	583	88	233	30	115	20	5.1	15.4	2.3	10.2	1.9	4.9	0.7	4.1	0.5	54	4	2
JPAC061	44	48	4	1390	372	594	75	236	32	6.8	18.9	2.3	9.3	1.6	3.6	0.4	2.3	0.3	36	16	2
JPAC061	48	52	4	2274	548	1127	108	345	44	9.5	24.1	2.9	11.7	1.8	4.3	0.5	2.4	0.3	45	24	2
JPAC061	52	56	4	2403	551	1154	119	391	51	10.6	28.7	3.4	13.8	2.5	5.9	0.8	3.8	0.6	67	23	2
JPAC061	56	60	4	2407	556	1116	119	399	55	11.9	32.9	3.9	16.6	3	7.1	0.9	5	0.8	81	27	2
JPAC061	60	64	4	1559	287	716	76	271	39	8.4	24.7	3.2	14.6	2.9	8.5	1.1	6.7	1.1	100	14	3
JPAC061	64	68	4	1719	300	701	79	281	42	9.2	31.6	4.4	21.8	5.3	16.3	2.3	13.9	2.7	210	16	3
JPAC061	68	72	4	1341	260	612	69	243	34	7.3	20.8	2.5	12.1	2.2	6	0.7	4.3	0.6	68	13	2
JPAC061	72	77	5	1185	232	539	62	214	31	6.5	19.3	2.3	10	1.9	5.1	0.7	3.6	0.6	58	10	2
JPAC062	8	12	4	662	160	274	35	111	18	3.9	11.2	1.4	6.4	1.2	3	0.5	2.2	0.3	35	28	2
JPAC062	12	16	4	1631	253	830	69	262	48	10.8	32.2	3.8	17.4	3.2	8	1.1	6.5	1	86	27	3
JPAC062	16	20	4	1059	194	505	59	213	33	6.8	16.3	1.7	5.8	0.8	2	0.3	1.6	0.3	20	19	3
JPAC062	20	24	4	923	150	365	46	173	32	8	25.3	3.5	15.4	2.9	7.3	0.9	5.7	0.8	88	18	3
JPAC062	24	28	4	897	158	379	47	174	30	6.6	20.3	2.6	11.2	1.9	5.1	0.6	3.8	0.5	56	18	3
JPAC062	28	32	4	845	151	361	44	161	27	6.5	19.3	2.4	10.3	1.8	4.6	0.7	3.4	0.5	52	17	3
JPAC062	32	36	4	871	152	371	47	168	29	6.7	19.3	2.4	10.3	1.9	4.7	0.6	3.7	0.5	54	18	3
JPAC062	36	40	4	1081	184	478	55	205	36	7.8	23.8	2.9	12.6	2.2	5.6	0.7	4.2	0.6	64	21	3
JPAC062	40	45	5	935	172	408	47	173	31	6.9	19.4	2.4	10.8	1.9	4.9	0.6	3.5	0.6	54	19	3
JPAC063	12	16	4	614	224	168	40	122	15	3.5	8.3	1.1	4.6	0.8	2	0.3	1.5	0.2	24	27	2
JPAC063	16	20	4	650	207	222	39	119	16	3.7	9.3	1.1	4.7	0.8	2.1	0.2	1.3	0.3	24	14	1
JPAC063	20	24	4	2036	561	982	102	289	32	6.8	16.3	1.9	7.2	1.2	2.8	0.3	1.6	0.3	32	25	2
JPAC063	24	28	4	2555	567	1431	111	328	40	8.4	19.7	2.3	8.6	1.4	3.3	0.4	1.9	0.3	34	28	3
JPAC063	28	32	4	1908	399	1075	84	251	32	6.9	16.8	2	7.7	1.2	2.9	0.3	1.8	0.3	29	26	4
JPAC063	32	36	4	1907	366	1097	83	254	31	6.8	16.4	2	7.8	1.3	3.1	0.4	2.1	0.3	36	24	3
JPAC063	36	40	4	2283	406	1339	97	310	39	8.1	19.8	2.2	9.9	1.7	4.3	0.6	3.4	0.5	43	23	5
JPAC063	40	44	4	2315	461	1289	101	317	39	8	20.1	2.5	10.5	2	5.2	0.7	4.3	0.7	54	30	3
JPAC063	44	48	4	1393	260	673	67	226	30	6.4	18.4	2.3	11.3	2.2	7	1.1	7.2	1.3	80	37	3
JPAC063	48	53	5	1626	348	781	83	269	35	7.2	19.4	2.3	10.1	1.8	5	0.6	3.6	0.5	60	24	2
JPAC064	16	20	4	617	142	271	32	106	15	3.6	9.8	1.2	5.6	1	2.7	0.4	2.1	0.3	25	39	3
JPAC064	20	24	4	784	202	322	41	132	20	4.9	12.4	1.6	6.7	1.2	3	0.4	2.1	0.3	34	28	2
JPAC064	24	28	4	669	201	263	34	114	15	3.6	8.9	1.1	4.5	0.7	1.8	0.3	1.4	0.2	20	27	2
JPAC064	28	32	4	498	140	217	24	76	10	2.6	6.4	0.7	3.4	0.5	1.4	0.2	1.1	0.2	15	24	2
JPAC064	32	36	4	441	59	291	13	46	8	1.5	5.2	0.7	3.2	0.5	1.3	0.2	1	0.1	12	50	2

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC064	36	40	4	481	102	247	19	67	10	1.7	6	0.8	3.7	0.7	2	0.3	1.8	0.2	19	65	2
JPAC064	40	44	4	554	82	316	20	77	12	2.4	7.3	1	4.8	0.9	2.6	0.4	2.6	0.3	25	40	6
JPAC064	44	48	4	813	133	368	37	149	24	5.3	15	2	9.6	1.7	5.2	0.7	4.9	0.7	58	23	6
JPAC064	48	52	4	1145	210	470	54	213	35	7.2	23.4	3	15	2.7	7.4	1	6.7	1	97	18	5
JPAC065	24	28	4	403	135	99	25	90	13	2.8	7.1	0.9	4.5	0.8	2.1	0.2	1.5	0.2	23	45	2
JPAC065	28	32	4	258	67	102	13	46	7	2	4.7	0.5	2.4	0.4	1.1	0.1	0.7	0.1	11	31	2
JPAC065	32	36	4	1189	237	690	38	122	18	4.4	12.1	1.5	8	1.5	3.5	0.4	2.1	0.3	51	42	3
JPAC065	36	40	4	1881	423	938	83	286	37	8.4	21.3	2.5	13	2	5	0.5	3.2	0.4	59	46	3
JPAC065	40	44	4	2681	599	1228	134	479	61	12.8	30.4	3.8	18.5	3.1	8.7	1.1	6.5	0.9	94	55	4
JPAC065	44	48	4	3789	801	1750	191	710	90	18.8	44.4	5.5	26.4	4.2	11.4	1.6	9.7	1.2	124	38	4
JPAC065	48	52	4	3903	713	1762	205	817	110	22.2	54.8	6.6	32.3	5.5	14.8	2.2	13.6	1.9	143	30	5
JPAC065	52	56	4	1605	293	731	71	274	38	8.8	22.4	3	15.2	3.2	9.6	1.5	10.6	1.8	122	27	3
JPAC065	56	60	4	1074	236	489	52	185	24	5.5	13.2	1.6	8	1.4	3.9	0.6	3.3	0.5	51	25	2
JPAC065	60	64	4	1183	242	540	60	219	27	6.1	15.5	2	9.9	1.6	4.5	0.6	3.6	0.5	51	19	2
JPAC065	64	68	4	1091	223	497	56	206	26	5.9	14.8	1.8	8.7	1.5	3.8	0.5	2.9	0.5	43	23	2
JPAC065	68	73	5	1245	272	582	61	221	27	6.1	15	1.8	8.4	1.4	3.7	0.5	2.8	0.4	42	27	3
JPAC066	32	36	4	766	371	108	50	149	19	4.9	11.9	1.5	7.5	1.2	3.1	0.4	1.9	0.2	38	36	2
JPAC066	36	40	4	968	381	237	56	179	22	5.6	15	1.7	8.9	1.5	4.3	0.4	2.4	0.3	54	35	2
JPAC066	40	44	4	1195	373	426	65	219	26	5.5	15.6	1.9	9	1.5	4.1	0.5	2.6	0.3	45	37	3
JPAC066	44	48	4	1320	287	656	58	203	27	5.8	14.9	2	9.2	1.5	4	0.5	2.9	0.4	48	39	4
JPAC066	48	52	4	3684	425	2628	105	372	48	9.5	20.8	2.6	11.8	1.9	5.1	0.6	4.3	0.5	50	38	5
JPAC066	52	56	4	3346	502	1781	148	589	86	18.3	46.4	5.8	26.1	4.3	11.8	1.6	9.6	1.3	116	26	4
JPAC066	56	60	4	918	212	432	43	147	21	4.2	10.9	1.3	6.8	1.2	3	0.4	2.4	0.3	33	24	2
JPAC066	60	64	4	962	226	452	45	157	20	4.4	11.2	1.4	6.5	1.1	3	0.4	2.3	0.3	33	25	2
JPAC066	64	68	4	865	206	402	40	141	19	3.9	10	1.3	6.1	1	2.7	0.4	2.1	0.2	30	22	2
JPAC067	32	36	4	925	285	213	65	237	30	6.8	17.1	2.1	10.5	1.8	4.3	0.6	3.2	0.4	49	27	2
JPAC067	36	40	4	1743	423	685	92	342	47	9.8	25.7	3.2	15.6	2.6	7	0.9	5	0.7	83	23	3
JPAC067	40	44	4	1366	324	570	65	238	34	7.5	21.5	2.7	13.5	2.3	6.4	0.8	5.4	0.7	75	31	3
JPAC067	44	48	4	763	209	302	42	132	19	4.1	10.8	1.4	6.4	1.1	2.7	0.4	1.9	0.3	29	36	3
JPAC067	48	52	4	2393	456	1152	125	441	60	11.8	30.8	3.6	17.2	2.7	7.4	1	5.5	0.8	78	28	4
JPAC067	52	56	4	1802	280	1005	78	281	42	8.5	22.3	2.7	12.8	2	5.2	0.8	5	0.8	57	23	4
JPAC067	56	60	4	1152	249	559	58	187	25	5.7	14.1	1.7	8	1.4	3.5	0.5	3.1	0.6	38	24	3
JPAC067	60	64	4	964	246	489	45	129	13	3.6	6.5	0.8	3.5	0.7	2	0.2	1.5	0.3	23	23	2
JPAC067	64	68	4	1109	237	523	55	187	26	5.6	14.4	1.8	8.5	1.4	3.7	0.5	2.7	0.4	42	21	2

ASX: CRI

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC067	68	70	2	641	116	270	32	113	19	4.2	13.3	1.9	10.3	1.8	4.7	0.7	3.9	0.6	50	12	2
JPAC068	40	44	4	865	252	295	53	174	24	5.4	14.1	1.6	7.3	1.1	2.7	0.3	1.8	0.2	32	35	2
JPAC068	44	48	4	560	152	212	32	105	15	3.4	8.5	1	4.8	0.7	2	0.3	1.5	0.2	23	17	2
JPAC068	48	52	4	1149	258	446	63	222	37	8.9	24.9	3.3	15.6	2.4	5.2	0.6	2.5	0.3	60	20	2
JPAC068	52	56	4	1177	253	591	53	173	25	6.1	15.1	1.8	8.2	1.4	3.6	0.4	2.2	0.3	43	32	3
JPAC068	56	60	4	2137	523	1054	95	304	41	9.2	23.8	2.8	13	2.1	5.5	0.7	3.4	0.5	60	44	4
JPAC068	60	64	4	2538	616	1223	117	381	52	11.4	29.6	3.6	16.2	2.6	6.4	0.8	4.4	0.6	73	50	4
JPAC068	64	68	4	3186	899	1283	173	568	74	15.3	40.1	4.7	21.4	3.4	8.5	1.1	5.9	0.8	88	59	4
JPAC068	68	72	4	2910	772	1332	140	441	56	11.3	30.3	3.4	16.8	2.9	7.5	1.1	6	0.9	89	54	4
JPAC068	72	76	4	2892	726	1412	132	415	54	10.8	29.1	3.3	15.4	2.6	6.7	1	5.2	0.9	79	53	5
JPAC068	76	80	4	2950	717	1504	131	409	51	10.4	26.7	3	14.7	2.3	6.1	0.8	4.6	0.6	69	51	5
JPAC068	80	84	4	2987	710	1455	146	476	58	11.4	28.4	3.2	14.9	2.4	6.4	0.9	5.2	0.7	70	47	5
JPAC068	84	88	4	2327	558	1131	109	353	45	9	23.8	2.7	12.9	2.2	5.7	0.8	4.6	0.7	68	41	4
JPAC068	88	91	3	1741	399	822	86	287	38	7.8	21	2.4	11.3	1.9	4.8	0.6	3.5	0.5	57	25	3
JPAC069	44	48	4	485	126	231	22	66	10	1.9	5.3	0.7	3.6	0.6	1.7	0.2	1.4	0.2	15	26	2
JPAC069	48	52	4	925	264	393	46	142	19	4.6	12	1.5	7.2	1.1	2.7	0.4	1.9	0.3	29	30	2
JPAC069	52	56	4	1100	289	530	49	145	20	4.8	11.8	1.6	7.6	1.3	3.1	0.4	2.4	0.3	34	38	3
JPAC069	56	60	4	1397	272	742	59	194	30	6.4	18.3	2.2	11	1.7	4.5	0.6	3.4	0.5	53	34	4
JPAC069	60	64	4	1704	316	900	80	262	38	8	20.7	2.5	12.1	1.9	5.1	0.7	4.1	0.6	53	29	6
JPAC069	64	68	4	1471	333	745	65	205	29	6.5	17.8	2.1	9.9	1.7	4.4	0.5	3.3	0.4	49	32	5
JPAC069	68	72	4	1690	305	845	84	294	42	8.9	22.6	2.7	13.3	2.2	5.6	0.8	5	0.7	59	33	4
JPAC069	72	76	4	2790	545	1126	159	592	94	20.2	55.5	7	32.8	5.1	12.8	1.9	10.9	1.7	126	24	5
JPAC069	76	79	3	2050	351	853	107	398	65	13.4	43.1	5.5	28.4	5.1	13.7	2.2	12.6	2.2	150	24	4
JPAC070	24	28	4	573	144	260	28	91	13	2.9	8.3	1	4.3	0.7	1.6	0.2	1.4	0.2	17	16	3
JPAC070	28	32	4	587	140	278	29	90	14	3.1	7.7	0.9	4.3	0.6	1.7	0.2	1.2	0.2	16	14	4
JPAC070	32	36	4	818	194	383	39	122	20	4.4	11.3	1.5	7.1	1.1	2.6	0.5	2.9	0.4	29	11	4
JPAC070	36	41	5	1976	395	901	90	311	48	10.7	31.9	4.5	24.8	4.5	11.9	1.9	12.1	1.6	127	4	5
JPAC071	40	44	4	728	92	199	24	97	22	6.9	25.9	4.4	28.1	5.8	16.2	2.5	15.3	1.9	188	4	3
JPAC071	44	48	4	989	95	225	29	123	32	9.4	38.9	6.8	45.2	9.7	27.5	4	25.1	3.3	316	4	3
JPAC072	32	36	4	1111	245	518	57	197	27	6.3	15.7	1.8	8	1.1	2.4	0.3	1.4	0.1	30	23	2
JPAC072	36	40	4	1652	326	785	80	288	43	9.1	25.1	2.9	14.5	2.3	5.9	0.7	4.2	0.4	66	22	3
JPAC072	40	44	4	1840	408	892	90	302	42	8.8	23	2.5	12.9	1.9	4.7	0.5	3.6	0.3	49	25	4
JPAC072	44	48	4	1249	272	578	61	215	32	6.7	19.3	2.1	10.6	1.7	4.1	0.5	3.5	0.4	42	23	4
JPAC072	48	52	4	1617	350	716	77	268	42	9.4	25.9	3.5	18.1	3	7.8	1.1	7.1	0.9	90	16	4

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC072	52	56	4	1453	240	521	63	243	43	10.4	36.2	5.4	31.9	6.5	18.8	2.8	17.5	2.4	212	17	7
JPAC072	56	60	4	1000	186	420	49	184	30	6.1	20.4	2.4	12.2	2.3	6.3	0.8	4.8	0.6	76	16	5
JPAC072	60	64	4	946	199	416	46	166	25	5.4	15.2	1.9	9.7	1.7	4.1	0.5	3.9	0.4	51	15	5
JPAC072	64	68	4	877	221	414	41	132	16	3.7	9.9	1.2	5.5	0.9	2.2	0.3	2.2	0.2	27	25	4
JPAC073	24	28	4	1036	195	576	43	143	21	4	11.1	1.3	6.4	1	2.5	0.3	2	0.2	29	29	2
JPAC073	28	32	4	2038	354	1152	90	293	42	7.9	23.3	2.7	12.4	1.8	4.8	0.5	3	0.4	51	35	3
JPAC073	32	36	4	2179	366	1202	94	330	49	10	30.3	3.5	15.3	2.4	6.2	0.7	3.6	0.4	65	35	4
JPAC073	36	40	4	3259	511	1762	141	512	82	17.5	49.3	6.3	30.7	5	11.3	1.4	8.2	0.8	120	40	7
JPAC073	40	44	4	3097	499	1474	149	571	97	20.7	58.8	7.4	35.9	6.1	14.3	1.9	11.3	1.2	150	36	7
JPAC073	44	48	4	2192	382	1117	101	356	60	12.6	36.7	4.6	22.4	3.4	7.9	0.9	5.1	0.6	83	36	7
JPAC073	48	52	4	2054	347	1099	95	330	51	10.9	27.9	3.5	16.1	2.3	5.8	0.7	4.6	0.5	60	41	7
JPAC073	52	56	4	980	198	501	46	154	20	6	11.4	1.2	5.7	1.1	2.9	0.4	2.8	0.4	30	28	3
JPAC073	56	60	4	1195	209	529	60	257	38	9.7	21.4	2.3	10.7	1.8	5	0.7	4.6	0.6	46	32	3
JPAC073	60	65	5	1654	283	796	55	194	31	9.3	28.4	3.9	21	4.6	15.7	2.5	18.3	2.8	190	42	3
JPAC074	40	44	4	1081	316	538	44	124	13	2.9	7.7	0.9	4.2	0.7	2.3	0.3	2	0.3	26	29	1
JPAC074	44	48	4	1515	396	745	66	197	24	5.5	15.3	1.8	8.3	1.5	3.9	0.5	3.1	0.5	47	26	2
JPAC074	48	52	4	2397	541	1240	110	344	43	8.6	23.2	2.8	12.7	2.1	5.5	0.6	4	0.5	60	22	2
JPAC074	52	56	4	2459	463	1302	114	396	50	10.4	26.4	3	13.7	2.2	5.9	0.8	5.4	0.7	66	23	2
JPAC074	56	60	4	1241	270	587	60	204	26	5.9	16.7	1.9	8.8	1.5	4.3	0.5	3.7	0.6	50	18	2
JPAC074	60	64	4	1194	265	560	58	196	24	5.6	15.3	1.8	8.1	1.4	4.2	0.6	4	0.6	50	17	2
JPAC074	64	67	3	1153	263	545	56	190	24	5.3	13.8	1.5	7.5	1.3	3.3	0.4	2.6	0.4	40	17	2
JPAC075	44	48	4	879	293	338	43	131	17	4	10.5	1.2	5.5	1	2.7	0.3	2.1	0.3	29	37	2
JPAC075	48	52	4	1280	404	443	79	244	32	6.5	15.4	1.9	8.3	1.4	4	0.5	3.2	0.5	38	45	2
JPAC075	52	56	4	1476	429	528	91	294	38	8.1	19.1	2.2	10.1	1.7	4.5	0.6	3.5	0.5	45	41	2
JPAC075	56	60	4	1948	565	686	121	400	53	11.3	27.8	3.2	14.2	2.1	5.4	0.6	3.8	0.5	54	40	2
JPAC075	60	64	4	2626	694	1045	143	493	65	14.7	40.4	4.7	21	3.2	8.1	0.9	6.2	0.8	86	45	3
JPAC075	64	68	4	1443	345	647	67	240	32	6.9	22.4	2.6	11.9	2.1	4.9	0.7	4.3	0.7	56	35	3
JPAC075	68	72	4	1855	479	823	87	293	36	7.6	24.3	2.7	13.8	2.5	6.7	0.9	5	0.8	74	43	3
JPAC075	72	76	4	1546	398	717	71	229	28	5.9	16.8	1.9	9.4	1.8	4.8	0.6	3.9	0.6	58	41	3
JPAC075	76	80	4	1175	293	543	55	185	23	4.9	14.1	1.6	7.5	1.3	3.4	0.5	2.7	0.5	41	28	3
JPAC076	32	36	4	369	166	77	24	70	8	1.5	5.2	0.6	2.7	0.5	1.2	0.1	0.7	0.1	12	18	1
JPAC076	36	40	4	177	79	38	11	32	4	1	2.7	0.3	1.6	0.3	0.6	0.1	0.6	0.1	7	22	2
JPAC076	40	44	4	676	310	86	49	153	19	4.3	13.9	1.5	7	1.1	2.7	0.3	1.4	0.2	28	36	2
JPAC076	44	48	4	958	433	127	74	233	25	5	15.5	1.6	7.3	1.2	2.6	0.2	1	0.2	33	26	1

ASX: CRI

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC076	48	52	4	297	109	92	17	53	7	1.7	4	0.4	2	0.3	0.9	0.1	0.6	0.1	9	24	2
JPAC076	52	56	4	608	205	235	32	93	11	2.5	6.4	0.7	3.3	0.6	1.5	0.1	1.1	0.2	17	39	3
JPAC076	56	60	4	671	204	280	33	104	13	2.8	7.3	0.8	4.2	0.7	1.9	0.2	1.3	0.1	20	38	3
JPAC076	60	64	4	821	221	392	37	115	14	3.2	8.3	1	4.8	0.8	1.9	0.2	1.6	0.2	22	36	3
JPAC076	64	68	4	1341	326	679	56	178	22	4.7	14.9	1.9	8.9	1.5	3.7	0.4	2.5	0.3	42	38	5
JPAC076	68	72	4	3032	423	2063	84	290	37	7.9	23.9	2.7	13.3	2.3	5.9	0.7	3.7	0.4	73	37	6
JPAC076	72	76	4	4123	787	2075	193	701	91	17.3	48.8	5.6	27.4	5	13.5	1.9	11.2	1.6	144	31	5
JPAC076	76	80	4	1683	372	713	86	308	40	8.2	26.1	3	15.2	2.9	8.2	1.2	7.5	1.2	91	29	2
JPAC076	80	84	4	1143	266	518	55	187	24	4.4	13.6	1.6	7.8	1.6	4.3	0.7	3.9	0.7	55	29	2
JPAC076	84	88	4	1091	255	505	53	181	22	4.4	13.5	1.5	7.1	1.3	3.4	0.5	3	0.4	41	26	2
JPAC077	36	40	4	473	193	88	33	105	14	3.2	8.4	0.9	4.3	0.7	1.6	0.1	0.9	0.1	21	24	1
JPAC077	40	44	4	760	276	165	51	167	22	4.7	14.9	1.7	8.3	1.4	3.3	0.4	1.8	0.3	43	35	2
JPAC077	44	48	4	503	183	91	34	115	17	4	13.1	1.4	7	1.1	3	0.3	1.5	0.2	32	33	2
JPAC077	48	52	4	1041	385	284	63	199	24	5.1	16	1.9	8.1	1.4	3.4	0.4	1.9	0.3	49	32	2
JPAC077	52	56	4	1521	457	581	84	260	33	6.1	20.1	2.3	11.6	1.9	4.8	0.5	3	0.4	57	34	3
JPAC077	56	60	4	2715	821	830	172	576	69	13.6	42	4.7	23.4	4.2	11.7	1.5	7.8	1	138	34	4
JPAC077	60	64	4	2863	385	1756	104	391	54	10.2	29.7	3.7	17.3	3.2	8.9	1.3	9	1.4	89	29	4
JPAC077	64	68	4	1668	271	991	58	201	26	5.7	17.8	2.1	10.5	2.1	6.4	1	7.1	1.2	68	25	3
JPAC077	68	72	4	1142	265	548	51	168	21	4.6	13.6	1.5	7.9	1.5	4.3	0.7	4	0.8	50	23	3
JPAC077	72	74	2	893	207	422	42	142	17	3.8	10.9	1.3	6.5	1.1	3.1	0.4	2.7	0.4	34	22	2
JPAC078	48	52	4	1555	398	632	88	300	36	7.7	19.7	2.1	10.1	1.7	4.4	0.6	3.3	0.5	51	37	2
JPAC078	52	56	4	1726	418	770	91	304	39	7.9	21.7	2.5	11.4	1.9	5.2	0.7	4.2	0.6	49	38	3
JPAC078	56	60	4	2008	530	907	97	322	42	8.2	23.4	2.7	12.1	1.9	4.8	0.6	3.8	0.5	52	31	3
JPAC078	60	64	4	1053	239	497	50	171	22	4.6	13.7	1.5	7	1.4	3.5	0.5	2.9	0.5	38	23	3
JPAC078	64	68	4	1271	287	645	58	195	24	4.6	13.1	1.4	6.7	1.1	2.9	0.3	2.1	0.4	31	22	5
JPAC078	68	71	3	974	195	426	44	156	23	4.9	16.8	2.2	11.8	2.2	6.9	1	5.9	1	78	22	4
JPAC079	32	36	4	1200	320	426	76	269	34	7.3	18.3	1.9	7.6	1.2	3	0.3	2	0.3	33	18	2
JPAC079	36	40	4	2981	649	1449	152	520	65	13.1	31.4	3.3	14.2	2.3	5.1	0.7	4.2	0.6	72	31	2
JPAC079	40	44	4	5696	891	3426	232	838	111	22.4	49.8	5.2	22.2	3.2	7	1	5.5	0.8	81	38	3
JPAC079	44	48	4	2221	387	1296	90	311	43	9	20.3	2.1	9.1	1.6	3.5	0.5	2.6	0.4	45	42	2
JPAC079	48	52	4	2203	416	1271	90	300	40	8.1	18.2	1.9	8.8	1.4	3.1	0.4	2.5	0.3	42	40	2
JPAC079	52	56	4	2756	542	1541	118	389	49	10.4	24.4	2.5	11.7	1.8	4.4	0.6	3.7	0.5	57	41	3
JPAC079	56	60	4	7050	1179	3659	358	1335	172	33.2	76.1	7.9	35.4	5.6	13.1	1.9	12	1.7	161	28	4
JPAC079	60	64	4	2255	407	1078	115	422	56	11.6	27.4	3	14.9	2.7	7.2	1.1	7.6	1.2	101	26	2

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC079	64	68	4	1949	380	938	104	371	50	10.2	23.6	2.3	10.6	1.7	3.7	0.6	3.2	0.5	51	26	2
JPAC079	68	72	4	1905	354	914	104	375	51	10.2	23	2.3	10.9	1.7	3.9	0.5	3.3	0.4	52	23	2
JPAC079	72	75	3	1876	369	907	99	354	46	9.3	21.7	2.2	9.8	1.6	3.7	0.5	3	0.4	48	27	3
JPAC080	28	32	4	601	158	223	33	115	18	3.4	10.2	1.1	5.9	0.9	2.3	0.3	1.9	0.3	28	26	2
JPAC080	32	36	4	1272	400	330	87	297	39	8.3	23.1	2.6	12.7	2.1	4.6	0.6	3.2	0.4	61	26	2
JPAC080	36	40	4	902	278	231	60	207	29	6.2	17.9	2.2	10.3	1.8	4	0.5	2.7	0.4	51	28	2
JPAC080	40	44	4	519	145	201	29	94	13	3.1	7.3	0.9	4.3	0.7	1.6	0.2	1.1	0.2	19	29	2
JPAC080	44	48	4	911	234	293	53	188	28	6.6	19.1	2.4	12.5	2.2	5	0.7	3.4	0.4	63	29	2
JPAC080	48	52	4	676	148	263	34	121	19	4.3	12.9	1.6	8.4	1.6	4.2	0.6	3.9	0.5	54	36	3
JPAC080	52	56	4	822	192	406	36	117	16	3.5	9	1.1	5.7	1	2.5	0.3	2.1	0.3	30	40	3
JPAC080	56	60	4	3329	669	1553	167	611	86	17.9	43.9	5.2	26.3	4.5	11.4	1.7	11.1	1.7	120	37	3
JPAC080	60	64	4	1574	280	871	61	215	32	6.9	19.4	2.5	12.9	2.2	5.3	0.8	4.7	0.7	61	34	2
JPAC080	64	68	4	1518	278	835	60	204	30	6.2	17.5	2.1	11.4	2.1	5	0.7	4.9	0.6	61	33	2
JPAC080	68	72	4	1279	219	737	49	169	25	4.8	13.7	1.8	8.4	1.5	3.7	0.5	3.4	0.4	43	30	3
JPAC080	72	76	4	786	154	397	34	117	17	3.4	10	1.2	6.8	1.2	3.1	0.5	2.9	0.4	39	31	2
JPAC080	76	80	4	975	201	484	44	150	23	4.5	12	1.4	7.7	1.3	3.4	0.5	3.3	0.5	41	27	3
JPAC080	80	84	4	1090	223	511	53	188	27	5.5	14.8	1.9	8.9	1.6	3.8	0.6	3.5	0.6	49	26	4
JPAC080	84	88	4	910	190	419	44	152	22	4.7	12.7	1.6	8.3	1.5	3.6	0.6	3.6	0.5	46	23	3
JPAC080	88	93	5	887	187	409	43	151	22	4.7	12.9	1.6	7.9	1.4	3.6	0.4	2.7	0.4	41	20	3
JPAC081	36	40	4	762	259	156	50	171	27	5.6	17.5	2.3	10.8	1.9	4.1	0.5	2.4	0.3	55	32	2
JPAC081	40	44	4	196	57	68	10	34	5	1.5	3.7	0.5	2.4	0.4	1.1	0.1	0.9	0.1	12	41	1
JPAC081	44	48	4	545	141	234	26	83	12	2.7	7.6	1	4.6	0.8	2.2	0.3	1.7	0.3	28	41	2
JPAC081	48	52	4	796	185	346	39	136	22	4.4	12.9	1.6	7.7	1.4	2.9	0.4	2.3	0.3	35	33	3
JPAC081	52	56	4	1190	201	700	41	144	22	4.4	14.4	1.8	9	1.6	3.7	0.5	3	0.4	43	26	4
JPAC081	56	60	4	855	84	642	18	60	9	2.1	6.5	0.9	4.1	0.7	2.2	0.3	1.8	0.3	24	57	4
JPAC081	60	64	4	1827	508	744	99	301	47	7.3	29.3	3.8	16.4	2.2	5.7	0.6	3.9	0.5	59	15	4
JPAC081	64	68	4	5004	1630	1088	379	1288	180	33.2	101.7	11.5	49.5	7.4	19.8	2.6	14.9	1.7	196	27	3
JPAC081	68	72	4	1391	371	495	84	282	40	8.5	22.4	2.7	12.5	2	5.8	0.8	5	0.7	59	43	3
JPAC081	72	76	4	1089	293	368	66	226	33	6.4	17.8	2.2	9.9	1.7	5.1	0.7	4.6	0.6	54	59	3
JPAC081	76	80	4	1006	250	389	54	185	26	5.4	14.9	1.9	9.4	1.6	5.1	0.7	4.8	0.6	58	45	3
JPAC081	80	84	4	652	163	251	33	110	16	3.6	10.6	1.2	6.3	1.3	3.8	0.5	3.3	0.5	49	23	2
JPAC082	20	24	4	487	154	158	30	94	14	3.1	7.5	0.8	4	0.6	1.6	0.2	1.2	0.2	19	18	2
JPAC082	24	28	4	1343	404	422	89	294	42	8.2	21.6	2.5	9.7	1.4	3.3	0.3	1.7	0.2	44	18	1
JPAC082	28	32	4	2296	436	997	124	451	68	13.5	42	5	22.2	3.6	9.2	1.1	5.1	0.6	117	15	2

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC082	32	36	4	2494	381	1363	105	380	61	11.8	39.1	4.8	21.4	3.4	8.7	1.1	5.8	0.6	107	16	3
JPAC082	36	40	4	1620	294	866	64	217	32	7	23.4	3	14.6	2.6	7.8	1	6.3	0.7	82	14	2
JPAC082	40	44	4	1530	324	733	79	260	37	6.4	21.4	2.6	11.1	1.7	3.9	0.5	2.5	0.3	48	16	4
JPAC082	44	48	4	1368	305	613	72	241	34	5.9	20.3	2.5	10.7	1.7	4.4	0.5	2.8	0.4	54	19	3
JPAC082	48	52	4	617	185	278	28	84	10	2.8	5.5	0.7	3.2	0.5	1.6	0.2	1.8	0.2	17	26	2
JPAC082	52	56	4	419	113	216	15	43	4	2	3.1	0.4	2.3	0.4	1.6	0.3	2.7	0.5	15	33	2
JPAC082	56	60	4	602	157	308	23	67	7	2.7	4.5	0.6	3.1	0.6	2.2	0.4	3.2	0.6	23	28	3
JPAC083	20	24	4	408	162	147	19	51	6	3.1	3.4	0.4	2.1	0.3	1	0.1	1.2	0.1	11	22	2
JPAC083	24	28	4	419	143	173	20	56	7	3.1	3.9	0.4	1.9	0.3	0.9	0.1	0.8	0.1	11	22	1
JPAC083	28	32	4	576	181	260	28	76	8	4.1	4.4	0.5	2.1	0.3	0.9	0.1	0.9	0.1	10	16	1
JPAC083	32	36	4	1086	297	486	52	161	20	5.6	12.1	1.4	6.9	1	3.1	0.4	2.2	0.4	37	23	2
JPAC083	36	40	4	1788	463	790	88	276	39	9	25	2.9	13	2.2	5.7	0.7	3.8	0.5	69	24	2
JPAC083	40	44	4	2122	554	878	115	377	50	10.8	30	3.6	15.6	2.4	6.2	0.8	4.3	0.6	75	34	3
JPAC083	44	48	4	2634	656	1148	141	472	61	12.9	33.8	3.9	15.6	2.5	6.7	0.8	4.9	0.6	74	30	5
JPAC083	48	52	4	3322	832	1504	167	570	73	14.5	39	4.2	18.3	2.8	7.7	0.9	5.4	0.6	83	39	7
JPAC083	52	56	4	1908	435	907	95	305	42	8.5	22.4	2.8	12	2	5.4	0.8	4.7	0.6	65	32	7
JPAC083	56	60	4	1754	328	732	89	335	50	10.4	32.6	4	19.1	3.4	11.1	1.7	11.4	1.6	125	25	7
JPAC083	60	62	2	1518	312	652	77	268	40	8.9	26.5	3.3	15.5	2.7	8.7	1.2	7.8	1.2	93	23	4
JPAC084	20	24	4	1223	298	549	61	198	28	6.6	17.4	2	9.3	1.4	3.7	0.4	2.7	0.4	47	27	2
JPAC084	24	28	4	2260	476	1049	114	395	61	12.4	35.4	4.1	18	2.8	7.3	0.9	4.5	0.6	79	35	3
JPAC084	28	32	4	1903	388	867	98	351	55	11.5	32.3	3.9	16	2.3	6	0.8	4.4	0.5	68	27	3
JPAC084	32	36	4	1676	327	755	87	300	47	9.6	29.2	3.5	14.9	2.6	7.5	0.9	5.4	0.7	87	26	3
JPAC084	36	40	4	2008	327	1032	103	366	49	10.4	25.9	3	13.7	2.2	6.1	0.7	4.2	0.5	65	21	4
JPAC084	40	44	4	1409	206	564	68	280	47	12	38.4	4.7	24.3	4.3	11.4	1.6	9.8	1.4	138	17	3
JPAC084	44	48	4	1244	243	530	65	241	38	8	22.4	2.6	13.5	2.1	5.4	0.7	4.3	0.5	68	13	2
JPAC084	48	52	4	1394	256	604	72	278	44	9.4	26.1	3.1	14.9	2.4	6	0.7	4.2	0.6	73	14	1
JPAC084	52	57	5	1252	226	535	67	259	41	8.8	24.7	2.8	13.5	2.1	5.3	0.6	4	0.5	62	11	1
JPAC085	20	24	4	298	98	128	14	40	5	1.1	2.6	0.4	1.5	0.3	0.8	0.1	0.7	0.1	7	38	2
JPAC085	24	28	4	364	128	158	16	43	5	1.3	2.6	0.3	1.5	0.2	0.6	0.1	0.6	0.1	7	48	2
JPAC085	28	32	4	835	264	405	36	96	10	2.3	4.7	0.5	2.5	0.4	1.1	0.1	1.1	0.1	12	79	3
JPAC085	32	36	4	1164	382	530	56	151	14	3.6	6.5	0.7	3.1	0.5	1.2	0.2	1	0.2	13	84	4
JPAC085	36	40	4	2937	560	1750	106	354	46	10.3	28	3.3	13.5	2	5.1	0.5	3.4	0.4	55	58	13
JPAC085	40	44	4	3852	618	2456	134	449	59	13.1	32.6	3.7	16.1	2.3	5.9	0.7	3.8	0.5	58	44	9
JPAC085	44	48	4	5390	547	4003	139	469	66	13.8	35.5	4.1	19.5	3	8.5	0.9	5.9	0.6	75	13	6

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Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC085	48	52	4	2878	316	1885	92	363	55	12.7	38.6	4.4	20.9	2.8	8.4	1	6.4	0.8	72	33	9
JPAC085	52	56	4	2132	314	1095	93	370	59	12.8	39.9	4.8	22.5	3.7	9.6	1.1	7.5	1	99	27	6
JPAC085	56	60	4	1425	212	670	63	251	40	9.6	31.4	3.6	18	3.2	9.2	1.1	7.5	0.9	105	25	6
JPAC085	60	64	4	1443	202	640	64	260	41	9.8	33.8	4	20.9	3.8	11.4	1.4	9.7	1.2	141	24	5
JPAC085	64	68	4	1184	195	508	58	229	37	8	24.7	3.2	14.7	2.5	7.1	0.9	6	0.8	90	23	4
JPAC085	68	71	3	1064	189	456	53	206	32	7.4	22.7	2.7	13.2	2	6.1	0.7	4.6	0.6	68	26	6
JPAC086	44	48	4	429	140	133	23	78	11	2.8	7.7	1	5	0.8	2.2	0.2	1.3	0.3	23	41	3
JPAC086	48	52	4	1541	443	495	101	340	45	8.8	24	2.6	12.5	2	5.6	0.6	3.5	0.5	58	48	3
JPAC086	52	56	4	2692	592	1052	163	599	80	15.9	42.2	4.9	22.7	3.4	9	1	6.5	0.7	99	46	4
JPAC086	56	60	4	2282	526	782	140	542	74	15.8	44.3	5.2	24.2	3.9	10.5	1.2	7.4	0.8	106	45	3
JPAC086	60	64	4	2000	401	775	103	395	58	13.3	42.7	5.3	26.9	4.7	13.1	1.5	9.1	1.1	150	41	3
JPAC086	64	68	4	1461	290	635	68	247	34	7.6	24.4	3	15.6	3	9.3	1.1	7.4	1	115	36	3
JPAC086	68	72	4	855	192	386	42	151	21	4.4	12.1	1.4	7	1.1	3	0.4	2.2	0.3	33	25	3
JPAC087	32	36	4	1086	326	241	79	317	40	8.1	19.5	2	8.7	1.4	3.5	0.4	2.3	0.3	38	33	1
JPAC087	36	40	4	1738	509	655	100	345	42	7.8	20.1	2	8.8	1.4	4.1	0.4	2.3	0.3	41	28	1
JPAC087	40	44	4	1651	462	659	85	287	37	8	22.9	2.6	11.5	1.9	5	0.6	3.5	0.5	65	37	2
JPAC087	44	48	4	887	276	323	49	163	20	4.1	11.9	1.3	6	0.9	2.7	0.3	1.5	0.2	29	38	2
JPAC087	48	52	4	631	208	248	31	93	12	2.7	6.9	0.8	3.9	0.6	1.6	0.2	1.2	0.2	22	37	2
JPAC087	52	56	4	576	200	208	30	91	12	2.6	6.5	0.8	3.7	0.6	1.7	0.2	1.2	0.2	18	37	2
JPAC087	56	60	4	712	239	257	38	115	15	3.2	8.7	1.1	5.2	0.8	2.1	0.3	1.5	0.3	26	36	3
JPAC087	60	64	4	1051	264	532	45	139	16	3.8	10.1	1.2	5.7	1	2.5	0.3	2	0.3	28	42	3
JPAC087	64	68	4	1273	246	780	43	137	16	3.6	9.8	1.2	5.2	0.9	2.4	0.3	1.6	0.2	26	39	3
JPAC087	68	72	4	1315	310	709	52	166	21	4.3	11.9	1.4	6.3	1	2.6	0.3	1.8	0.2	29	39	3
JPAC087	72	76	4	1889	432	987	79	267	32	7.1	19.3	2.1	10.1	1.6	4.1	0.4	3	0.3	44	37	3
JPAC087	76	80	4	1464	328	797	63	196	23	4.9	11.3	1.4	5.7	0.9	2.3	0.3	1.9	0.3	29	36	3
JPAC087	80	84	4	1900	450	734	116	431	49	10.4	25.8	2.9	13.8	2.1	5.5	0.6	3.4	0.4	55	35	3
JPAC087	84	89	5	1941	330	1006	81	314	40	9	24.7	3.1	15	2.9	8.3	1.1	7.5	1	99	26	2
JPAC088	28	32	4	844	221	362	46	156	17	3.9	9.5	1	4.2	0.7	1.9	0.2	1.5	0.2	20	26	1
JPAC088	32	36	4	1436	310	664	76	271	35	6.9	18.4	1.8	8.1	1.2	3.2	0.3	2.3	0.3	38	29	1
JPAC088	36	40	4	3909	792	1793	194	726	94	17.8	58.8	6.4	31	5.1	13.8	1.6	9.1	0.9	165	47	1
JPAC088	40	44	4	1979	449	1002	84	281	37	8.7	20.6	2.4	10.7	2.1	5.6	0.8	4.5	0.6	70	45	2
JPAC088	44	48	4	1624	369	790	74	248	33	8.1	18.9	2.1	9.3	1.6	4.4	0.7	3.6	0.5	61	43	2
JPAC088	48	52	4	4831	945	2395	246	900	122	26.5	61.9	5.8	22.7	3.4	7.6	0.9	4.5	0.6	89	46	4
JPAC088	52	56	4	4531	884	2106	243	914	129	27.3	66.8	6.7	25.9	3.8	9.1	1.1	6.1	0.8	107	40	4

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC088	56	60	4	3123	721	1461	168	561	73	13.8	33.9	3.5	14.4	2.3	5.5	0.7	3.7	0.5	61	48	4
JPAC088	60	64	4	2855	691	1363	153	491	61	11.6	25.8	2.5	10.2	1.6	3.6	0.4	2.5	0.3	39	44	3
JPAC088	64	68	4	2865	625	1394	144	493	69	13.8	35.3	3.7	15.7	2.3	5.3	0.6	3.7	0.4	59	45	4
JPAC088	68	72	4	5890	1361	2075	399	1469	208	43.9	105.6	10.6	43.1	6.2	14.1	1.6	9.8	1.3	143	32	4
JPAC088	72	76	4	2660	582	1332	127	438	59	11.5	29.3	3	12.6	2.1	5.3	0.6	4.1	0.6	53	54	4
JPAC088	76	80	4	3005	754	1351	161	518	68	13.4	33.8	3.6	15.6	2.6	6.4	0.8	4.6	0.6	72	65	5
JPAC088	80	84	4	3128	703	1474	169	556	72	14.8	35.4	3.6	15.6	2.6	6.4	0.8	4.7	0.6	71	34	4
JPAC088	84	88	4	2834	594	1253	155	575	81	17	40.5	4.1	16.6	2.7	7	0.9	5.4	0.8	83	29	3
JPAC088	88	92	4	2710	565	1234	143	507	70	14.4	37	3.6	15.7	2.8	7.1	1	5.6	0.9	103	27	3
JPAC088	92	96	4	2246	491	1046	117	409	55	11.8	27.8	2.9	11.7	2	5	0.6	3.7	0.5	62	36	2
JPAC088	96	99	3	2491	541	1141	131	469	65	13.7	33.3	3.4	13.9	2.2	5.2	0.6	3.7	0.6	69	29	2
JPAC089	40	44	4	964	285	398	52	162	20	3.9	10	1	4.7	0.8	2.2	0.3	1.9	0.3	23	55	2
JPAC089	44	48	4	1628	448	696	84	274	37	7.2	19.1	2.1	8.8	1.6	3.6	0.4	2.4	0.3	43	43	1
JPAC089	48	52	4	1297	296	659	60	197	27	5.4	13.3	1.4	6.2	1	2.2	0.3	1.5	0.1	27	57	1
JPAC089	52	56	4	1103	222	634	42	134	18	4.2	10	1.2	5.5	1	2.5	0.3	1.8	0.2	27	45	2
JPAC089	56	60	4	1504	306	831	61	201	28	5.6	15.2	1.7	8.1	1.3	3.5	0.5	2.9	0.4	38	42	2
JPAC089	60	64	4	1397	325	683	62	206	29	6.1	16.2	2	9	1.6	4.3	0.5	3.4	0.5	50	42	2
JPAC089	64	68	4	1275	320	588	61	196	26	5.8	14.6	1.7	7.5	1.5	4.1	0.5	3.7	0.5	44	38	2
JPAC089	68	72	4	1167	292	497	60	202	27	6	15.2	1.9	8.3	1.5	4.2	0.7	3.9	0.5	47	33	2
JPAC089	72	76	4	1229	324	491	65	216	29	6.6	17.3	2.1	9.6	1.9	5	0.7	4.4	0.6	56	31	2
JPAC089	76	80	4	1308	340	488	70	239	33	7.2	20.5	2.4	12	2.4	7.1	0.9	5.8	0.8	79	31	2
JPAC089	80	84	4	1269	307	511	64	220	32	6.8	19.9	2.5	12.1	2.4	6.6	0.9	5.7	0.8	79	31	2
JPAC089	84	87	3	1134	258	486	55	192	28	5.8	17.9	2.2	11.1	2.1	5.4	0.7	4.5	0.7	65	30	2
JPAC090	36	40	4	348	150	71	20	58	8	2.2	6	0.7	3.8	0.7	1.9	0.2	1.2	0.1	24	27	2
JPAC090	40	44	4	675	311	77	40	123	17	4.8	15.1	1.9	9.7	1.9	4.8	0.5	2.4	0.3	66	42	2
JPAC090	44	48	4	238	94	57	14	45	6	1.7	4.3	0.5	2.2	0.4	1.1	0.1	0.8	0.1	12	45	2
JPAC090	48	52	4	564	163	237	28	86	10	2.6	7.5	0.8	4	0.7	1.6	0.2	1.1	0.2	21	47	2
JPAC090	52	56	4	1252	300	610	59	182	24	5.4	14.9	1.7	7.9	1.4	3	0.4	2.1	0.3	40	39	3
JPAC090	56	60	4	2664	752	1076	139	429	59	14.8	43	5.1	23.9	4	9.1	1.1	5.1	0.7	104	36	3
JPAC090	60	64	4	2729	696	1259	132	406	51	12	33.2	3.6	17.4	3	7.6	1.1	5.7	0.9	103	36	3
JPAC090	64	68	4	3425	1078	1017	244	770	89	18.6	46.8	4.8	22.2	4	9.7	1.4	8.2	1.2	112	35	3
JPAC090	68	72	4	4488	1119	1713	300	986	115	22.4	53.3	5.6	26.9	4.7	11.6	1.7	10.6	1.5	118	33	4
JPAC090	72	76	4	2351	374	1424	89	297	39	8	23.9	2.7	13.5	2.4	5.7	0.8	4.6	0.7	65	30	4
JPAC090	76	80	4	1303	228	731	53	172	23	5	14.9	1.6	8.5	1.7	4.5	0.7	4	0.6	56	26	2

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC090	80	84	4	977	219	470	47	151	20	4.5	12.4	1.4	6.9	1.1	3	0.4	2.5	0.4	37	26	2
JPAC091	28	32	4	338	162	46	26	68	8	1.8	5.6	0.6	3	0.5	1.2	0.2	0.9	0.1	14	44	2
JPAC091	32	36	4	984	333	309	68	205	22	4.8	12.2	1.3	5.4	0.8	1.8	0.2	1.1	0.2	20	27	2
JPAC091	36	40	4	1251	379	429	80	251	34	7.4	21	2.4	11.4	1.6	3.1	0.3	1.7	0.2	31	19	4
JPAC091	40	44	4	680	153	328	32	102	15	3.2	10.8	1.3	6.4	1	2.6	0.3	2.1	0.3	23	11	3
JPAC091	44	48	4	947	150	577	32	106	18	4.1	14.1	1.8	8.9	1.3	3.3	0.4	2.6	0.4	27	10	3
JPAC091	48	52	4	1182	174	685	44	155	27	6.1	20.5	2.5	12.2	2	4.8	0.6	3.8	0.6	45	10	4
JPAC091	52	56	4	1241	177	651	56	215	37	7.9	23.3	3	14.3	2.3	5.5	0.8	4.1	0.5	45	10	3
JPAC091	56	60	4	1724	280	817	91	335	55	12.4	32.7	3.9	18.4	3	6.7	0.9	5.1	0.7	64	26	3
JPAC091	60	64	4	1527	258	696	67	250	39	9.5	31.8	4.1	21.9	4.1	10.4	1.6	8.7	1.4	125	29	3
JPAC091	64	68	4	1373	279	652	64	212	30	7	21.9	2.5	13.4	2.6	6.2	0.9	5	0.8	76	31	3
JPAC091	68	72	4	1298	240	588	63	219	33	7.3	24.1	2.9	14.6	2.9	7	1	5.9	0.9	88	28	4
JPAC091	72	75	3	1267	245	608	63	215	32	7.3	20.8	2.4	11.7	2	4.7	0.6	3.6	0.5	51	25	3
JPAC092	44	48	4	1617	255	804	80	288	49	11.4	33.8	4	18.9	3	6.3	0.9	4.4	0.6	58	13	2
JPAC092	48	52	4	788	133	393	37	132	21	5.5	15	1.8	9.2	1.5	3.5	0.5	2.8	0.4	33	17	2
JPAC093	28	32	4	715	191	278	41	128	18	3.2	11.5	1.4	6.5	1.1	2.7	0.3	1.7	0.3	32	73	3
JPAC093	32	36	4	1200	289	523	64	196	28	5	18.4	2.2	10.9	1.9	4.3	0.6	3.2	0.4	55	74	3
JPAC093	36	40	4	1497	323	717	76	234	32	5.8	21	2.5	12.3	2.2	5.4	0.7	4.1	0.5	61	68	5
JPAC093	40	44	4	1525	265	788	73	241	35	6.7	22.5	2.7	13.1	2.3	5.6	0.8	4.8	0.6	63	40	5
JPAC093	44	48	4	1914	267	1050	91	330	52	9.4	25.5	2.9	13.5	2.3	5.8	0.9	5.9	0.9	57	56	5
JPAC093	48	52	4	1781	267	750	101	406	67	12.9	37.8	4.1	19.5	3.5	8.7	1.4	8.9	1.3	91	32	5
JPAC093	52	56	4	806	143	318	42	154	25	5.7	18.6	2.2	11.7	2.2	6.1	0.9	5.7	0.9	72	25	3
JPAC093	56	61	5	1033	178	415	51	187	32	7.4	24	3.1	17.1	3.4	8.5	1.3	7.4	1.1	97	22	3
JPAC094	32	36	4	2021	448	911	109	361	51	10.6	30.8	3.4	15.4	2.6	6	0.7	3.6	0.4	68	26	3
JPAC094	36	40	4	1377	292	570	76	273	39	7.9	23.4	2.7	12.6	2.1	5.8	0.6	3.7	0.4	69	22	5
JPAC094	40	44	4	1525	286	720	76	272	37	7.6	23.9	2.8	13.5	2.3	6.1	0.8	4.8	0.5	73	28	6
JPAC094	44	48	4	1487	270	733	74	262	39	7.3	21.8	2.5	11.9	1.9	5.2	0.6	4.2	0.5	54	27	6
JPAC094	48	52	4	1751	308	847	81	294	43	9	26.9	3.2	15.6	2.9	7.9	1	7.3	0.9	103	29	5
JPAC094	52	56	4	1444	271	657	71	265	40	9	24.1	2.7	13.8	2.4	6.2	0.9	6.2	0.9	75	23	5
JPAC094	56	60	4	1847	304	548	102	473	81	17.8	52.3	6	29.5	5.6	16.5	2.3	17	2.3	191	18	5
JPAC094	60	64	4	1294	198	451	59	233	37	8.9	31.7	4	22.7	4.7	14.5	2.2	14	2	213	15	4
JPAC095	28	32	4	501	201	118	31	94	12	2.8	8.2	0.9	4.9	0.8	2.2	0.3	1.8	0.2	23	30	4
JPAC095	32	36	4	3114	712	1277	170	606	81	17.5	49.9	5.8	27.6	4.7	12.1	1.5	8.5	1	140	31	3
JPAC095	36	40	4	3077	538	1756	118	422	60	12.2	34.5	3.8	18.1	3	8.5	1	6.1	0.8	95	34	3

Hole No.	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 Ppm	Tb_4O_7 Ppm	Dy_2O_3 ppm	Ho_2O_3 Ppm	Er_2O_3 Ppm	Tm_2O_3 Ppm	Yb_2O_3 Ppm	Lu_2O_3 Ppm	Y_2O_3 Ppm	Th	U
JPAC095	40	44	4	2359	371	1314	94	346	51	11.3	33	3.7	17.3	3	7.9	1	5.9	0.8	100	22	3
JPAC095	44	48	4	1737	292	907	75	281	40	8.9	27.2	3.1	14.6	2.4	6.4	0.8	4.9	0.5	73	21	3
JPAC095	48	52	4	1538	284	779	72	261	38	7.5	22.3	2.5	11.6	1.9	4.6	0.5	3.3	0.4	50	16	2
JPAC095	52	56	4	1656	330	763	82	298	41	9.2	26.2	3	14.7	2.4	6.2	0.8	5.4	0.9	74	16	2
JPAC095	56	60	4	1566	324	721	77	275	38	8.1	22.7	2.5	11.8	2.1	6	0.8	5.3	0.7	73	17	2
JPAC095	60	64	4	1391	286	635	68	248	34	7.3	21.3	2.4	11.7	2	5.4	0.7	4.7	0.6	64	13	1
JPAC095	64	69	5	1175	214	515	62	234	34	7.5	21	2.6	12.3	2	5.5	0.6	3.9	0.5	61	8	1
JPAC096	16	20	4	501	131	205	25	84	12	2.5	7.5	1	4.7	0.9	2.5	0.3	1.9	0.3	23	21	2
JPAC096	20	24	4	612	152	253	31	109	14	3	9.2	1	5.4	1	2.5	0.3	1.6	0.2	29	16	2
JPAC096	24	28	4	989	220	447	50	172	23	5.2	14.1	1.7	8.5	1.5	3.6	0.4	2	0.2	42	10	1
JPAC096	28	32	4	1421	289	624	70	250	35	7.8	24.1	3	15.2	2.9	7.1	0.7	4.1	0.4	89	9	2
JPAC096	32	36	4	1094	235	461	59	215	30	6.4	19.9	2.3	11.3	1.9	4.3	0.5	2.7	0.3	46	12	2
JPAC096	36	40	4	1047	225	442	56	206	30	5.7	18.7	2.1	10.6	1.6	4.1	0.4	2.5	0.2	42	11	2
JPAC096	40	44	4	718	149	379	31	102	14	3.1	8.4	1	5	0.8	2	0.2	1.8	0.2	21	13	2
JPAC096	44	48	4	1735	372	813	91	325	41	8.6	24.1	2.7	12.3	1.8	3.9	0.5	2.6	0.3	36	14	3
JPAC096	48	52	4	1994	301	932	96	385	52	10.2	30.9	3.6	18.1	3.6	11.5	1.6	12.7	1.8	134	11	3
JPAC096	52	56	4	907	178	421	47	174	23	4.3	13.5	1.6	7.2	1.2	2.8	0.4	2.9	0.4	31	16	2
JPAC096	56	60	4	1003	210	449	44	153	21	4.6	16.2	2	11.1	2.2	7	1	7.2	1	74	20	3
JPAC096	60	64	4	1447	238	503	61	229	37	7.3	31.2	4.4	26.5	6.1	19.5	3	21.2	2.9	258	23	3
JPAC097	40	44	4	1104	248	623	45	136	15	2.8	8.9	1.1	4.5	0.7	1.7	0.2	1.2	0.1	17	24	2
JPAC097	44	48	4	763	195	371	38	111	13	2.6	7.4	0.8	3.7	0.6	1.5	0.2	1.3	0.2	17	24	1
JPAC097	48	53	5	1304	225	672	63	228	33	5.6	16.9	2	9	1.4	3.6	0.5	3	0.5	41	28	2
JPAC098	36	40	4	394	141	103	23	74	11	2.6	7.7	1	4.7	0.8	1.8	0.2	1	0.1	22	34	1
JPAC098	40	44	4	634	243	120	40	127	20	3.9	15.1	1.8	10.1	1.5	3.4	0.4	1.9	0.3	48	39	2
JPAC098	60	63	3	3226	508	1916	128	410	60	10.4	33	4	21.8	3.7	10.2	1.4	8.2	1.1	111	23	3

TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides.

APPENDIX ONE: JORC CODE, 2012 EDITION | 'TABLE 1' REPORT

Section 1 Sampling Techniques and Data
(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Table 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 sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. • Measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • 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.	• Assay results for some 98 Air Core (AC) drill holes for 5956 m are being reported. The holes were drilled to test clay-hosted REE mineralization within the Jupiter target. • The AC drill cuttings were collected in plastic bags from the drill rig cyclone in 1 m intervals and arranged in rows on site for assay sampling. Composite samples typically representing 4 m intervals (range 1 to 6 m) were collected as appropriate by sampling spear from the bulk 1 m bags of sample. • Drilling and sampling was supervised by a suitably qualified Venture Minerals geologist. • Samples were submitted to commercial assay laboratory ALS Geochemistry ("ALS") for assay.
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..).	• This report is based on 98 holes drilled with a KL 150 AC rig operated by KTE Mining Services Pty Ltd. • The AC drilling was conducted with a 90mm blade and holes were drilled to blade refusal in near fresh rock.
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • 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.	• The bulk AC samples were visually assessed, weighed and considered representative with overall good recovery. • Most of the holes encountered water which only locally impacted sample recovery.
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. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. • The total length and percentage of the relevant intersections logged.	• All holes were qualitatively geologically logged by suitably qualified Venture Minerals geologists. • Mineral Resources have not been estimated. • The detail of geological logging is considered sufficient for exploration and resource definition drilling.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • 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. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• Drill composites of 2 to 6 m length were collected by sampling spear from the bulk 1 m sample bags. • Assay sample weights ranged between 1.1 to 4.4 kg with an average of averaged 2.4 kg. Sample sizes are considered appropriate for the material sampled. • Commercial assay standards were included in the laboratory submittals at a rate of c. 1 per 20 samples. • Field duplicate samples were collected at a rate of c. 1 per hole. • The average 4 m sample lengths are considered appropriate for the observed mineralisation.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • 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. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• All samples were submitted to ALS Geochemistry, Perth ("ALS") where they were oven dried then pulverized to P80 -75 microns (method PUL-25a). • Assaying of drill samples was conducted by ALS using a lithium borate fusion at 1025 deg C followed by nitric + hydrochloric + hydrofluoric acid digestion of the resultant glass bead and ICP-MS finish for 32 elements including full REE suite (ALS method ME-MS81) and 4 acid digestion (nitric, perchloric, hydrofluoric & hydrochloric) with ICP-AES finish for a 34 element suite including La (ALS method ME-ICP61). • >95% of the client assay standards reported within 10% of the REE+Y certified reference values for the range of interest (>1 ppm).
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• The use of twinned holes is not applicable at this stage. • The assay results are compatible with observed mineralogy. • Primary data is stored and documented in industry standard ways. • Venture Minerals assay data is as reported by ALS and has not been adjusted in any way. • Remnant assay pulps are currently held in storage by ALS.
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. • Specification of the grid system used. • Quality and adequacy of topographic control.	• Drill hole locations were determined by handheld GPS with a nominal accuracy of +/- 5 metres. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by Worldwide 3 arc second SRTM spot height data.
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • 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. • Whether sample compositing has been applied.	• The reported drilling is part of a resource definition program and was conducted on lines spaced 250m apart between previous 500m spaced lines. Drill hole spacing along the lines was 250m within selected target zones. • The assay results reported here are for 1 to 6 m intervals composited from the bulk 1 m AC sample intervals.
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. • 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.	• The AC holes were drilled vertically along E-W drill lines • The intersected clay and saprolite zones blanket weathered syenite-monzonite basement such that downhole thickness approximates true thickness.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for all Venture Minerals samples from collection to dispatch to assay laboratory was managed by Venture Minerals personnel. • Sample numbers are unique and do not include any locational or interval information useful to non-Venture Minerals personnel. • The level of security is considered appropriate for such exploration drilling.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• Duplicate sampling at a rate of c. 1 per c. 20 samples was used to evaluate sampling error and is considered acceptable for such exploration and resource drilling.

Criteria	JORC Code explanation	Commentary
		• The new drilling results are compatible with Venture Minerals' previously reported RC and AC drilling results.

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	• 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 • 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.	• The Brothers REE Project currently consists of granted Exploration Licences E59/2421, E59/2463, E59/2710, E59/2711, E59/2819, E59/2820, E59/2821, E59/2827, E59/2889, E59/2890 and E59/2907, and applications E59/2927, E59/2928, E59/2929, E59/2930 and E21/232. All are 100% held by Tasmanian Rare Earth Pty Ltd a wholly owned subsidiary of Venture Minerals
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Documented previous explorers within the area now covered by the Brothers Project include North Flinders Mines Ltd, CRA Exploration Pty Ltd, Spark Energy Pty Ltd, Arcadia Minerals Ltd, Babalya Gold Pty Ltd, Burmine Ltd, Equigold NL, Equinox Resources NL, Jervois Mining Ltd, Minjar Gold Pty Ltd, Mount Magnet South NL, Sons of Gwalia Ltd and David Ross. • Refer to previous Venture Minerals announcements to the ASX and also available from http://critica.limited
Geology	• Deposit type, geological setting and style of mineralisation.	• The Brothers REE exploration area is situated within the Western Australian Archean Yilgarn Craton and mostly comprises Cenozoic cover sequence overlying an extensive Archaean monzogranite complex (the Big Bell suite).
Drill hole Information	• 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: -easting and northing of the drill hole collar -elevation or RL of the drill hole collar -dip and azimuth of the hole -down hole length and interception depth -hole length. • 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.	• Location and orientation details are given in Table 1. • Collar location was determined by handheld Garmin GPS64sx and is considered accurate to ±5m. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by Worldwide 3 arc second SRTM spot height data. • Refer to ASX Announcements 9 May 2023, 1 August 2023, 16 April 2024, 23 May 2024 and 5 June 2024 for historic RC drill results and initial Brothers Project AC drill results respectively.
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. • 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. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Full sample assay interval results without aggregation methods are given in Table 2. • Metal equivalents have not been applied. • Refer to *ASX Announcement 9 May 2023* for historic drilling. • Standard element to oxide conversion factors have been used. Individual REE values in Table 1 and 2 are rounded to appropriately reflect reporting precision and the TREO field was calculated on an unrounded basis.

La_2O_3	1.173	Tb_4O_7	1.176
CeO_2	1.228	Dy_2O_3	1.148
Pr_6O_{11}	1.208	Ho_2O_3	1.146
Nd_2O_3	1.166	Er_2O_3	1.143
Sm_2O_3	1.16	Tm_2O_3	1.142
Eu_2O_3	1.158	Yb_2O_3	1.139
Gd_2O_3	1.153	Lu_2O_3	1.137

Criteria	JORC Code explanation	Commentary
		• <table><tr><td></td><td></td><td></td><td>Y_2O_3</td><td>1.27</td></tr></table>
Relationship between mineralisation widths and intercept lengths	• 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 (e.g. 'down hole length, true width not known').	• The intersected clay and saprolite zones blanket weathered granitoid basement such that downhole thickness approximate true thickness.
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 plan view of drill hole collar locations and appropriate sectional views.	• Appropriate exploration maps are included in this release.
Balanced reporting	• 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.	• Complete assay results for the announced intersections are included in Table 2.
Other substantive exploration data	• 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.	• The results are considered indicative only of the mineralisation in the area. • Refer to *ASX Announcements 9 May 2023, 9 November 2023* and *16 April 2024* for significant historic drill holes, geochemical results and geophysical survey information. • The project is part of an ongoing grid-based resource drill out and bulk density, geotechnical, hydrogeological and metallurgical work have yet to be completed.
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.	• Venture proposes to better define the identified REE mineralisation at the Jupiter target by further AC and RC drilling, and reconnaissance drill test satellite targets within the Brothers REE Project. • Venture is currently conducting mineralogy to guide appropriate metallurgical test work. • Appropriate exploration maps and plans are included in this release.