

Aclara Extends High Grade Mineralisation Thickness at Carina from 6.1 meters to 11.1 meters Through a Positive Drilling Campaign

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TORONTO, May 28, 2024 - [Aclara Resources Inc.](#) ("Aclara" or the "Company") (TSX:ARA) is pleased to provide the drilling results from its Phase 1 reverse circulation ("RC") drilling campaign executed between November 2023 and April 2024 on its regolith-hosted ion adsorption clay project, known as the "Carina Module", located in the State of Goiás, Brazil. The Phase 1 RC drilling campaign, which was comprised of 1,998 meters of drilling within 80 drill holes, has confirmed that the mineralization extends through the full depth of the regolith to the bedrock and provides a greater level of certainty regarding the geological interpretation of the deposit and the existence of rare earth elements throughout the full cross-section of the regolith.

Highlights

- **Depth Mineralization Confirmed:** Results from the Phase 1 RC drilling campaign confirm that the mineralisation extends through the full depth of the regolith to the bedrock. The average high-grade mineralization thickness has increased from 6.1 meters reported in the previous auger drilling campaign to 11.1 meters.
- **Consistent Grades and Rare Earths Distribution:** The results reflect that the Total Rare Earth Oxide ("TREO")¹ and the Desorbible Rare Earth Oxide ("DREO")² grades as well as the Rare Earths Distribution in the product basket, are consistent with those reported in the previous auger drilling campaign. Table 1 below compares the results of the RC drilling campaign with the auger drilling campaign and Table 2 provides a selection of high-grade drillhole results.
- **Improved Reliability:** The results provide a greater understanding of the mineralised horizons through the full depth of the regolith to the bedrock and will support execution of the Phase 2 drilling campaign, which will seek to convert the known inferred mineral resources to a measured and indicated resource category.
- **Metallurgical Compatibility:** The Carina Module clays have been shown to be amenable to rare earths extraction using the same metallurgical process (the "Circular Mineral Harvesting" process) developed for the Chile-based Penco Module, which utilizes ammonium sulfate as the primary leaching solution. A 25-tonne bulk sample of Carina clays was processed in the Aclara Pilot Plant in Concepción, Chile in Q1 2024, where leaching results were consistent with the drill core assays.

The full set of results is included in Table 3 at the end of this press release. These results supplement the results obtained from the auger drilling campaign undertaken between February 2023 and September 2023, which comprised 1,630 meters within 201 drill holes. The results of the auger drilling campaign also formed the basis of the maiden mineral resource estimate announced in Aclara's press release dated December 12, 2024, and which supported the preparation of the Carina Module Preliminary Economic Assessment ("PEA") dated January 12, 2024.

Next Steps

The Phase 1 RC drilling campaign results have provided the Company with a basis to further advance the following activities:

- issuance of an updated Mineral Resource Estimate planned for July 2024;
- issuance of an updated PEA of the Carina Module during Q3 2024;
- execution of a 15,200-meter Phase 2 RC drill campaign to convert inferred mineral resource to a measured and indicated mineral resource category, which is expected to commence in June 2024; and
- execution of a metallurgical test campaign during H2 2024 and H1 2025. Sample collections will be obtained through sonic drilling and sent to SGS Lakefield for mineralogical and recovery characterization, to serve as an input for the pre-feasibility study, as well as form the basis for a new semi-industrial scale piloting operation scheduled to occur in 2025.

Aclara COO, Barry Murphy, commented:

"We are very pleased with the results obtained from Aclara's recent RC drilling campaign as they have confirmed our expectation that the Carina Module deposit will increase in size to become a truly world-class heavy rare earth asset. Based on the positive Phase 1 RC drill results, the Company will be updating the Carina Module's mineral resource estimate and Preliminary Economic Assessment and proceeding with the next phase of RC drilling aimed at converting the known mineral resource from an inferred to a measured and indicated level of categorisation. The results obtained from Phase 2 RC drilling campaign are expected to provide support for the Carina Module prefeasibility study, as well as to provide samples for a more comprehensive metallurgical test work programme, which we believe will demonstrate the extraordinary value of this deposit."

Table 1. Comparison of Phase 1 RC drilling campaign results to the previously disclosed auger drilling campaign results.

	Unit	RC Drilling Campaign	Auger Drilling Campaign
High-Grade Mineralization Thickness			
Drilling	meters	1,998	1,693
Drill holes	#	80	236
Average Drill Depth	meters /drill hole	25.0	7.2
High Grade Mineralization Thickness	meters	11.1	6.1
TREO Grades (within the High-Grade Mineralization Range)			
Total Rare Earth Oxides	ppm	1,803	1,510
Total NdPr Oxides ("NdPr_T")	ppm	354	283
Total DyTb Oxides ("DyTb_T")	ppm	57	46
DREO Grades (within the High-Grade Mineralization Range)			
Desorbible Rare Earth Oxides	ppm	484	470
Desorbible NdPr Oxides ("NdPr_D")	ppm	130	131
Desorbible DyTb Oxides ("DyTb_D")	ppm	22	21
Rare Earths Distribution (within the High-Grade Mineralization Range)			
NdPr Weight within the Basket	%	26.9%	27.8%
DyTb Weight within the Basket	%	4.5%	4.5%

Table 2. Summary of Carina Module's top 10 RC drill hole results from the Phase 1 RC drilling campaign ordered by DREO grade, including only the regolith or saprolitization interval (the location of these drill hole collars are shown in Figure 2 below).

Drillhole	Length From To			TREO	DREO	NdPr_T	NdPr_D	Dy_T	Dy_D	Tb_T	Tb_D
	m	m	m	ppm	ppm	ppm	ppm % of DREO	ppm	ppm % of DREO	ppm	ppm % of DREO
RCCAR23024	5	0	5	1,891	1,015	401	351 35%	49.7	28.1 2.8%	7.6	5.6 0.6%
RCCAR23055	26	0	26	2,276	905	488	192 21%	96.5	45.3 5.0%	16.2	7.2 0.8%

RCCAR23016	18	8	26	2,239	897	490	354	39%	38.1	17.9	2.0%	6.8	3.4	0.4%
RCCAR23001	9	1	10	1,712	874	360	214	24%	75.3	50.1	5.7%	12.5	9.8	1.1%
RCCAR23033	8	0	8	2,791	856	650	279	33%	76.7	27.6	3.2%	13.1	5.0	0.6%
RCCAR23005	10	1	11	4,231	739	839	213	29%	101.7	21.2	2.9%	17.9	3.6	0.5%
RCCAR23054	12	0	12	2,657	787	597	151	19%	86.8	33.6	4.3%	14.9	5.5	0.7%
RCCAR23012	12	2	14	2,485	676	544	224	33%	33.3	16.4	2.4%	6.2	3.0	0.4%
RCCAR23008	16	0	16	3,095	638	626	224	35%	73.6	25.1	3.9%	13.4	4.8	0.8%
RCCAR23044	11	0	11	2,840	634	583	170	27%	82.5	25.0	4.0%	13.5	4.3	0.7%

Reverse Circulation Drilling Campaign Summary

A total of 1,998 meters of drilling within 80 RC drill holes was carried out from November 2023 to April 2024 as part of an exploration drilling campaign covering approximately 700 hectares within the area of the Carina Module (see Figures 1, 2, 3 and 4 below). The primary objectives of the drilling initiative were to:

- obtain additional information to fully assess the Carina Module's potential (both laterally and at depth);
- obtain guidance for future RC drilling campaigns, as needed to contribute to the definition of the Carina Module's indicated and measured resource estimates; and
- establish a base for a future metallurgical test sample collection.

Figure 1. Images of the RC drilling campaign showing the operation and sampling methodology carried out at the Carina Module.

Geological Overview

The Rare Earth Element secondary minerals are released from the pink porphyritic monzogranite composed of quartz, oligoclase, microcline, and annite as essential minerals, which has suffered greisen alteration superimposed by weathering.

Figure 2 depicts the extensions of the upper pedolith, lower pedolith, and saprolite units, which define the mineralization overprint of the regolith-hosted ion-adsorption clay deposit. Figure 2 also demonstrates the collar locations of the previous auger drilling campaign and the Phase 1 RC drilling campaign.

Figure 2. Carina Module map with executed RC and auger drill holes, and the extension of the upper pedolith, lower pedolith and saprolite areas. RC and auger boreholes are displayed by red squares and blue dots, respectively. The ten highest DREO grade RC holes are labeled in the figure and exhibited in Table 2. Cross-sections A-A' and B-B' are illustrated in Figure 3.

Figure 3 depicts the regolith horizons across two cross-sections, A-A' and B-B'. Here, the saprolite is better defined and thicker, and demonstrates greater continuity than the results observed during the previous auger drilling campaign. The auger holes are annotated in black font, whereas the RC drill holes are annotated in blue font.

Figure 3. Cross-sections 'A-A' and 'B-B' as shown in Figure 2.

Sampling and Assay Protocols

The 80 RC drill holes were sampled at intervals of one (1) meter for a total of 1,998 samples. For Total Rare

Earth Elements ("TREE") analysis, 1420 samples were sent to ALS laboratory in Lima, Peru and the remaining 578 samples were sent to SGS Geosol laboratory in Vespasiano, Brazil. For the Desorbable Rare Earth Elements ("DREE") analysis, 821 samples were sent to the AGS laboratory in La Serena, Chile and 1,177 samples were sent to SGS Geosol laboratory in Vespasiano, Brazil.

For the TREE analyses, the same sampling and analytical protocols were followed as described in the Company's technical report titled "Preliminary Economic Assessment - Carina Rare Earth Element Project - Nova Roma, Goiás, Brazil" and dated January 12, 2024, prepared in accordance with National Instrument 43-101 - Standard of Disclosure of Mineral Projects ("NI 43-101") by GE21 Consultoria Mineral. The QA/QC program has been implemented in the SGS Geosol lab, where the results of Dy, Tb, Nd and Pr analyses are controlled to meet high standard of accuracy.

Qualified Persons

The technical information in this press release has been reviewed and approved by Luiz Jorge Frutuoso Junior (Aclara Exploration Manager) who has over 20 years of relevant experience. Mr. Frutuoso is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), a Fellow of the Australian Institute of Geoscientists (AIG), and is a Qualified Person as defined under NI 43-101.

The present study was validated by Aclara's Chief Geologist, Juan Pablo Navarro, who is a Member of the Australian Institute of Geoscientists (AIG, #9021) and is a Qualified Person as defined under NI 43-101. Aclara's Database and QA/QC Geologist, Carlos Paixao, provided an analysis of the QA/QC protocols applied to the Carina Module and has confirmed that they meet the required level of control and accuracy.

About Aclara

[Aclara Resources Inc.](#) (TSX: ARA) is a development-stage company that is focused on heavy rare earth mineral resources hosted in Ion-Adsorption Clay deposits. The Company's rare earth mineral resource development projects include the Penco Module in the BioBio Region of Chile and the Carina Module in the State of Goiás, Brazil.

Aclara's rare earth extraction process offers several environmentally attractive features. Circular Mineral Harvesting does not involve blasting, crushing, or milling. Additionally, it does not generate tailings, eliminating the need for a tailings storage facility. The extraction process developed by Aclara minimizes water consumption through high levels of water recirculation made possible by the inclusion of a water treatment facility within its patented process design. The ionic clay feedstock is amenable to leaching with a common fertilizer main reagent, ammonium sulphate. Further, harmful levels of radionuclides, typical of hard rock rare earth deposits, are not concentrated within Aclara's processing flowsheet. In addition to the development of the Penco Module and the Carina Module, the Company will continue to identify and evaluate opportunities to increase future production of heavy rare earths through greenfield exploration programs and the development of additional projects within the Company's concessions in Brazil, Chile, and Peru.

Forward-Looking Statements

This press release contains "forward-looking information" within the meaning of applicable securities legislation, which reflects the Company's current expectations regarding future events, including statements with regard to: mineral continuity, grade, and upside at the Carina Module, the Company's exploration plan and activities in Brazil and the expectations of the Company's management as to the timing, cost, scope and results of such exploration works and drilling activities and the Phase 2 RC drill campaign and updated mineral resource estimates and an updated preliminary economic assessment of the Carina Module. Forward-looking information is based on a number of assumptions and is subject to a number of risks and uncertainties, many of which are beyond the Company's control. Such risks and uncertainties include, but are not limited to risks related to operating in a foreign jurisdiction, including political and economic problems in Brazil; risks related to changes to mining laws and regulations and the termination or non-renewal of mining rights by governmental authorities; risks related to failure to comply with the law or obtain necessary permits and licenses or renew them; compliance with environmental regulations can be costly; actual production, capital and operating costs may be different than those anticipated; the Company may be not able to successfully complete the development, construction and start-up of mines and new development

projects; risks related to mining operations; and dependence on the Penco Module and/or the Carina Module. Aclara cautions that the foregoing list of factors is not exhaustive. For a detailed discussion of the foregoing factors, among others, please refer to the risk factors discussed under "Risk Factors" in the Company's annual information form dated as of March 22, 2024 filed on the Company's SEDAR+ profile. Actual results and timing could differ materially from those projected herein. Unless otherwise noted or the context otherwise indicates, the forward-looking information contained in this press release is provided as of the date of this press release and the Company does not undertake any obligation to update such forward-looking information, whether as a result of new information, future events or otherwise, except as expressly required under applicable securities laws.

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Table 3. Complete list of drillholes from the reverse circulation drilling at Carina Module (November 2023 - April 2024)

Drillhole	Length		From To Material	TREO	DREO	NdPr	T NdPr	D	Dy T Dy D			Tb T Tb D			
	m	m							m	Type	ppm	ppm	ppm	ppm	% of DREO
RCCAR23001	9	1	10	Regolith	1712	874	360	214	24%	75.3	50.1	5.7%	12.5	9.8	1.1%
RCCAR23001	30	11	40	Rock	989	50	142	5	10%	42.3	3.0	6.1%	6.4	0.5	0.9%
RCCAR23002	33	0	33	Regolith	2389	411	559	122	30%	56.8	15.4	3.8%	10.8	2.8	0.7%
RCCAR23002	7	33	40	Rock	1612	58	349	9	15%	61.6	3.0	5.1%	10.7	0.4	0.8%
RCCAR23003	21	0	21	Regolith	2287	391	453	86	22%	59.6	17.1	4.4%	10.4	2.9	0.7%
RCCAR23003	29	22	51	Rock	1070	8	206	2	20%	23.5	0.2	2.8%	4.0	0.0	0.6%
RCCAR23004	5	2	7	Regolith	846	365	143	60	16%	48.7	22.9	6.3%	7.7	3.8	1.0%
RCCAR23004	48	7	55	Rock	451	19	56	1	8%	24.4	1.3	7.0%	3.6	0.2	0.9%
RCCAR23005	19	0	19	Regolith	3404	415	694	118	28%	79.1	11.6	2.8%	13.9	2.0	0.5%
RCCAR23005	16	19	35	Rock	1070	8	218	2	22%	24.9	0.3	3.2%	4.3	0.0	0.5%
RCCAR23006	13	0	13	Regolith	1173	117	240	37	32%	25.4	3.2	2.7%	4.3	0.6	0.5%
RCCAR23006	47	13	60	Rock	822	7	169	2	28%	17.4	0.2	2.4%	2.9	0.0	0.7%
RCCAR23007	9	0	9	Regolith	912	296	184	45	15%	48.7	16.6	5.6%	8.4	2.8	0.9%
RCCAR23007	51	9	60	Rock	490	24	66	2	6%	26.7	1.6	6.5%	4.1	0.2	0.9%
RCCAR23008	22	0	22	Regolith	2805	492	544	170	34%	65.9	19.8	4.0%	11.8	3.8	0.8%
RCCAR23008	10	22	32	Rock	929	18	190	4	21%	25.5	0.6	3.2%	4.3	0.1	0.6%
RCCAR23009	20	0	20	Regolith	1356	213	272	56	26%	35.6	9.0	4.2%	6.2	1.5	0.7%
RCCAR23009	3	20	23	Rock	853	46	183	11	24%	18.0	1.6	3.4%	3.2	0.3	0.6%

Drillhole	Length From To		Material	TREO	DREO	NdPr	TNdPr	D	Dy T Dy D			Tb T Tb D			
	m	m		m	Type	ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm
RCCAR23010	10	0	10	Regolith	1637	585	241	89	15%	74.5	40.9	7.0%	11.0	6.0	1.0%
RCCAR23010	16	10	26	Rock	1297	135	169	5	4%	61.0	8.9	6.6%	8.7	1.1	0.8%
RCCAR23011	8	0	8	Regolith	1651	574	314	123	21%	66.0	31.4	5.5%	12.1	5.5	1.0%
RCCAR23011	13	8	21	Rock	907	87	115	2	2%	42.8	6.6	7.5%	6.3	0.9	1.0%
RCCAR23012	19	0	20	Regolith	2167	471	462	152	32%	29.8	11.6	2.5%	5.5	2.1	0.4%
RCCAR23012	5	20	24	Rock	1419	100	252	20	20%	24.5	2.2	2.2%	4.0	0.4	0.4%
RCCAR23013	30	0	30	Regolith	1218	357	239	121	34%	21.3	7.4	2.1%	3.5	1.4	0.4%
RCCAR23013	2	30	32	Rock	1197	114	247	30	26%	21.4	2.4	2.1%	3.9	0.5	0.4%
RCCAR23014	15	0	15	Regolith	2284	584	448	207	35%	36.3	12.9	2.2%	6.2	2.2	0.4%
RCCAR23014	7	15	22	Rock	1840	67	336	6	9%	49.1	3.1	4.6%	7.9	0.4	0.6%
RCCAR23015	8	0	8	Regolith	1210	725	225	182	25%	50.8	34.1	4.7%	7.6	5.6	0.8%
RCCAR23015	8	8	16	Rock	1221	202	173	18	9%	54.7	10.8	5.3%	8.4	1.5	0.8%
RCCAR23016	30	0	30	Regolith	1763	566	361	222	39%	29.6	11.1	2.0%	5.2	2.1	0.4%
RCCAR23016	7	30	37	Rock	2507	173	573	40	23%	61.1	6.4	3.7%	10.8	1.1	0.6%
RCCAR23017	17	0	17	Regolith	1413	406	321	156	38%	27.4	8.8	2.2%	4.6	1.6	0.4%
RCCAR23017	5	17	22	Rock	1359	79	272	13	16%	38.5	3.5	4.4%	5.8	0.5	0.7%
RCCAR23018	4	0	4	Regolith	1095	225	146	61	27%	12.5	3.6	1.6%	2.0	0.7	0.3%
RCCAR23018	7	4	11	Rock	1088	73	206	17	23%	24.9	1.9	2.7%	3.9	0.4	0.5%
RCCAR23019	40	0	40	Regolith	958	96	127	23	23%	15.5	3.3	3.4%	2.5	0.5	0.5%
RCCAR23019	14	40	54	Rock	1530	33	271	3	9%	43.7	1.8	5.4%	6.8	0.2	0.7%
RCCAR23020	29	0	29	Regolith	818	153	122	49	32%	23.2	3.8	2.5%	3.6	0.7	0.4%
RCCAR23020	1	29	30	Rock	2279	74	471	12	16%	89.9	3.4	4.6%	16.5	0.6	0.7%
RCCAR23021	5	0	5	Regolith	942	610	183	144	24%	38.3	32.7	5.4%	5.6	5.6	0.9%
RCCAR23021	5	5	10	Rock	1272	181	196	43	24%	41.4	5.0	2.8%	5.9	1.0	0.5%
RCCAR23022	12	0	12	Regolith	1005	173	149	46	27%	20.2	4.9	2.8%	3.1	0.9	0.5%
RCCAR23022	4	12	16	Rock	1199	127	198	20	16%	33.3	4.0	3.1%	5.1	0.6	0.5%
RCCAR23023	9	0	9	Regolith	965	273	102	63	23%	26.1	8.0	2.9%	3.5	1.3	0.5%
RCCAR23023	6														

Rock

6%

3.9%

Drillhole	Length From To		Material	TREO	DREO	NdPr	TNdPr	D	Dy T Dy D			Tb T Tb D			
	m	m		m	Type	ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm
RCCAR23023B	9	0	9	Regolith	1774	167	323	44	26%	40.3	5.1	3.0%	6.2	0.7	0.4%
RCCAR23023B	6	9	15	Rock	2181	58	399	5	8%	58.5	2.4	4.2%	9.3	0.3	0.5%
RCCAR23024	5	0	5	Regolith	1891	1015	401	351	35%	49.7	28.1	2.8%	7.6	5.6	0.6%
RCCAR23024	6	5	11	Rock	1476	112	255	22	20%	53.0	3.1	2.8%	8.1	0.6	0.6%
RCCAR23025	7	0	7	Regolith	1198	274	177	78	28%	33.3	9.3	3.4%	5.0	1.5	0.6%
RCCAR23025	3	7	10	Rock	1338	11	221	2	17%	39.2	0.3	2.5%	6.2	0.1	0.5%
RCCAR23026	22	0	22	Regolith	2697	259	561	73	28%	50.7	9.0	3.5%	8.9	1.7	0.6%
RCCAR23026	5	22	27	Rock	1840	61	319	7	11%	55.6	2.5	4.0%	8.2	0.4	0.6%
RCCAR23027	29	0	29	Regolith	986	329	146	100	30%	18.9	6.3	1.9%	2.9	1.2	0.4%
RCCAR23027	5	29	34	Rock	1275	71	184	6	8%	49.5	4.2	5.9%	7.1	0.6	0.8%
RCCAR23028	13	0	13	Regolith	693	240	108	52	22%	25.8	11.0	4.6%	3.7	1.8	0.7%
RCCAR23028	8	13	21	Rock	1134	199	158	40	20%	45.5	6.6	3.3%	6.4	1.3	0.7%
RCCAR23029	13	0	13	Regolith	1973	429	359	72	17%	51.3	16.4	3.8%	8.1	2.5	0.6%
RCCAR23029	8	13	21	Rock	1470	83	260	13	15%	38.3	3.6	4.3%	6.3	0.6	0.7%
RCCAR23030	11	0	11	Regolith	445	182	71	28	15%	22.3	11.4	6.3%	3.4	1.8	1.0%
RCCAR23030	4	11	15	Rock	287	35	31	1	3%	18.2	2.9	8.3%	2.6	0.4	1.1%
RCCAR23031	3	0	3	Regolith	586	372	84	44	12%	27.1	19.3	5.2%	4.1	2.9	0.8%
RCCAR23031	7	3	10	Rock	690	55	89	2	4%	36.0	3.8	6.9%	5.5	0.5	0.9%
RCCAR23032	12	0	12	Regolith	937	621	157	137	22%	38.6	35.1	5.6%	6.1	6.1	1.0%
RCCAR23032	5	12	17	Rock	792	111	95	8	7%	46.2	9.0	8.1%	6.4	1.1	1.0%
RCCAR23033	8	0	8	Regolith	2791	856	650	279	33%	76.7	27.6	3.2%	13.1	5.0	0.6%
RCCAR23033	6	8	14	Rock	1166	141	216	34	24%	26.2	3.0	2.1%	4.2	0.6	0.4%
RCCAR23034	10	0	10	Regolith	800	312	155	64	21%	36.2	17.9	5.7%	6.2	3.3	1.1%
RCCAR23034	6	10	16	Rock	671	60	107	3	5%	31.3	4.9	8.1%	5.3	0.7	1.2%
RCCAR23035	5	0	5	Regolith	586	260	95	50	19%	30.8	17.4	6.7%	5.1	2.8	1.1%
RCCAR23035	10	5	15	Rock	473	74	59	3	4%	24.0	6.0	8.1%	3.6	0.8	1.1%
RCCAR23036	5	0	5	Regolith	1219	574	170	86	15%	57.0	34.6	6.0%	9.6	5.5	1.0%
RCCAR23036	6														

Rock

6%

7.1%

Drillhole	Length From To		Material	TREO	DREO	NdPr	T	NdPr	D	Dy T Dy D			Tb T Tb D		
	m	m		m	Type	ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm
RCCAR23037	12	0	12	Regolith	1194	332	250	106	32%	30.0	11.3	3.4%	5.1	2.0	0.6%
RCCAR23037	4	12	16	Rock	909	105	188	24	23%	20.0	4.1	3.9%	3.5	0.7	0.7%
RCCAR23038	24	0	24	Regolith	1316	445	192	75	17%	42.7	18.9	4.2%	6.8	2.9	0.6%
RCCAR23038	4	24	28	Rock	1337	67	176	11	16%	47.5	2.2	3.2%	7.3	0.4	0.6%
RCCAR23039	28	0	28	Regolith	984	119	167	38	32%	20.1	3.0	2.5%	3.2	0.5	0.5%
RCCAR23039	7	28	35	Rock	1453	25	252	5	20%	35.4	0.8	3.1%	5.7	0.1	0.6%
RCCAR23040	10	0	10	Regolith	635	280	95	33	12%	32.0	18.6	6.6%	5.2	2.8	1.0%
RCCAR23040	13	10	23	Rock	424	58	53	2	3%	24.0	4.8	8.2%	3.5	0.6	1.1%
RCCAR23041	16	0	16	Regolith	1421	299	240	99	33%	23.9	7.3	2.5%	3.9	1.4	0.5%
RCCAR23041	2	16	18	Rock	2373	146	456	28	19%	73.7	6.3	4.3%	12.0	1.0	0.7%
RCCAR23042	2	0	2	Regolith	383	100	58	16	16%	17.7	4.8	4.8%	2.5	0.7	0.7%
RCCAR23042	8	2	10	Rock	508	46	65	2	4%	27.1	3.2	6.9%	4.0	0.4	0.9%
RCCAR23043	20	0	20	Regolith	2028	489	452	136	28%	43.0	14.8	3.0%	7.4	2.6	0.5%
RCCAR23043	4	21	24	Rock	1469	90	263	15	17%	43.8	4.8	5.3%	6.8	0.7	0.8%
RCCAR23044	12	0	12	Regolith	2820	595	576	157	26%	82.0	23.6	4.0%	13.4	4.0	0.7%
RCCAR23044	5	12	17	Rock	1923	59	398	13	22%	35.3	1.7	3.0%	6.3	0.3	0.6%
RCCAR23045	14	0	14	Regolith	1493	487	270	75	15%	60.5	32.5	6.7%	10.0	5.3	1.1%
RCCAR23045	4	14	18	Rock	1055	69	145	3	5%	50.4	5.9	8.7%	6.7	0.8	1.2%
RCCAR23046	26	0	26	Regolith	1344	231	259	66	29%	26.1	7.0	3.0%	4.7	1.3	0.6%
RCCAR23046	4	26	30	Rock	1830	67	377	14	20%	37.3	2.3	3.5%	6.8	0.4	0.6%
RCCAR23047	23	0	23	Regolith	1444	330	300	105	32%	27.1	9.3	2.8%	5.0	1.7	0.5%
RCCAR23047	8	23	31	Rock	1116	54	221	11	20%	26.5	2.0	3.7%	4.8	0.3	0.6%
RCCAR23048	13	0	13	Regolith	1306	401	237	84	21%	49.1	19.2	4.8%	7.8	3.2	0.8%
RCCAR23048	12	13	25	Rock	943	36	148	2	6%	39.3	2.4	6.7%	6.1	0.3	0.9%
RCCAR23049	35	0	35	Regolith	1132	300	206	80	27%	33.6	10.8	3.6%	5.2	1.8	0.6%
RCCAR23049	8	35	43	Rock	957	26	151	2	6%	46.8	1.9	7.3%	7.9	0.2	1.0%
RCCAR23050	8	0	8	Regolith	1726	467	345	155	33%	51.6	17.0	3.6%	8.9	3.1	0.7%
RCCAR23050	5														

Rock

10%

4.6%

Drillhole	Length From To		Material Type	TREO	DREO	NdPr	TNdPr	D	Dy T Dy D			Tb T Tb D		
	m	m		ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm	% of
RCCAR23051	12	0	12 Regolith	1118	274	207	41	15%	70.6	18.9	6.9%	12.7	3.0	1.1%
RCCAR23051	8	12	20 Rock	689	63	79	3	5%	46.0	4.8	7.6%	7.2	0.6	1.0%
RCCAR23052	10	0	10 Regolith	708	302	105	57	19%	34.6	18.1	6.0%	5.4	2.8	0.9%
RCCAR23052	4	10	14 Rock	613	41	78	2	5%	32.7	3.2	8.0%	5.3	0.4	1.1%
RCCAR23053	3	0	3 Regolith	471	131	79	30	23%	24.2	7.4	5.6%	3.8	1.3	1.0%
RCCAR23053	7	3	10 Rock	493	69	70	6	9%	26.6	5.0	7.2%	4.2	0.7	1.1%
RCCAR23054	19	0	19 Regolith	2115	507	448	98	19%	58.0	22.0	4.3%	9.9	3.6	0.7%
RCCAR23054	5	19	24 Rock	2362	102	606	11	10%	87.2	4.6	4.6%	15.7	0.7	0.7%
RCCAR23055	33	0	33 Regolith	2143	711	445	145	20%	92.2	36.0	5.1%	15.5	5.7	0.8%
RCCAR23055	4	33	37 Rock	1229	137	192	3	2%	56.9	10.1	7.3%	9.2	1.3	0.9%
RCCAR23056	14	0	14 Regolith	1478	617	268	122	20%	61.9	32.7	5.3%	10.7	5.9	1.0%
RCCAR23056	15	14	29 Rock	1210	103	179	4	4%	47.6	7.0	6.7%	7.1	1.0	0.9%
RCCAR23057	26	0	26 Regolith	2278	250	520	83	33%	34.7	6.4	2.6%	6.1	1.2	0.5%
RCCAR23057	14	26	40 Rock	1622	65	291	5	7%	41.6	3.2	4.9%	7.0	0.4	0.7%
RCCAR23057B	25	0	25 Regolith	1265	233	227	76	33%	22.7	6.0	2.6%	3.7	1.0	0.4%
RCCAR23057B	15	25	40 Rock	1524	54	264	4	7%	39.3	2.7	5.1%	6.1	0.3	0.6%
RCCAR23058	24	0	24 Regolith	1209	156	274	52	34%	28.4	4.1	2.6%	4.7	0.7	0.5%
RCCAR23058	5	24	29 Rock	875	43	180	10	24%	20.5	1.1	2.6%	3.5	0.2	0.5%
RCCAR23059	9	0	9 Regolith	1345	496	232	105	21%	47.3	23.9	4.8%	7.5	3.9	0.8%
RCCAR23059	11	9	20 Rock	613	73	89	2	3%	21.9	5.1	7.0%	3.1	0.6	0.9%
RCCAR23060	4	0	4 Regolith	542	234	70	44	19%	27.9	12.5	5.3%	3.8	1.9	0.8%
RCCAR23060	10	4	14 Rock	499	57	72	5	8%	24.8	4.0	6.9%	3.9	0.5	0.9%
RCCAR23061	16	0	16 Regolith	571	223	78	39	18%	31.0	14.6	6.5%	4.9	2.3	1.0%
RCCAR23061	6	16	22 Rock	603	59	72	2	3%	33.9	5.0	8.5%	5.2	0.7	1.1%
RCCAR23062	12	0	12 Regolith	1664	519	271	114	22%	73.8	29.6	5.7%	11.6	4.6	0.9%
RCCAR23062	6	12	18 Rock	1257	175	162	9	5%	55.4	11.7	6.7%	8.0	1.5	0.9%
RCCAR23063	12	0	12 Regolith	1747	564	441	173	31%	66.1	23.5	4.2%	11.5	4.1	0.7%
RCCAR23063	24													

Rock

5%

6.3%

Drillhole	Length From To		Material	TREO DREO NdPr T NdPr D					Dy T Dy D			Tb T Tb D			
	m	m		m	Type	ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm
RCCAR23064	4	0	4	Regolith	4244	317	1146	95	30%	98.8	9.1	2.9%	19.1	1.7	0.5%
RCCAR23064	8	4	12	Rock	1204	85	183	5	6%	29.5	4.0	4.8%	4.7	0.5	0.6%
RCCAR23065	18	0	18	Regolith	1425	172	309	61	35%	29.3	3.9	2.2%	4.9	0.8	0.4%
RCCAR23065	2	18	20	Rock	1460	39	260	9	22%	39.1	0.9	2.4%	6.5	0.2	0.5%
RCCAR23066	19	0	19	Regolith	1718	493	332	150	31%	33.3	15.3	3.1%	5.3	2.4	0.5%
RCCAR23066	3	19	21	Rock	1112	6	211	1	23%	23.5	0.1	2.3%	3.8	0.0	0.6%
RCCAR23067	18	0	18	Regolith	785	182	91	56	31%	11.3	3.3	1.8%	1.7	0.6	0.3%
RCCAR23067	5	18	23	Rock	2248	57	526	10	17%	54.7	2.2	3.9%	8.9	0.3	0.5%
RCCAR23068	15	0	15	Regolith	1193	286	196	75	26%	39.2	11.1	3.9%	6.2	1.9	0.7%
RCCAR23068	9	15	24	Rock	1380	73	180	9	12%	50.8	2.9	4.0%	7.7	0.4	0.6%
RCCAR23069	28	0	28	Regolith	1169	134	166	19	14%	32.1	6.0	4.5%	4.5	0.8	0.6%
RCCAR23069	8	28	36	Rock	1966	132	271	4	3%	85.3	7.1	5.4%	12.2	0.8	0.6%
RCCAR23070	18	0	18	Regolith	2190	394	334	61	16%	60.0	18.9	4.8%	9.1	2.6	0.7%
RCCAR23070	5	18	23	Rock	2586	61	436	5	8%	60.6	2.6	4.3%	9.7	0.3	0.6%
RCCAR23071	20	0	20	Regolith	1194	265	181	79	30%	28.1	7.1	2.7%	4.1	1.2	0.4%
RCCAR23071	3	20	23	Rock	1300	67	209	13	19%	36.7	1.8	2.7%	5.5	0.3	0.5%
RCCAR23072	19	0	19	Regolith	576	142	68	29	20%	16.8	5.6	4.0%	2.0	0.8	0.6%
RCCAR23072	5	19	24	Rock	1112	30	173	4	15%	33.9	1.1	3.5%	4.4	0.2	0.5%
RCCAR23073	24	0	24	Regolith	1363	376	271	117	31%	28.5	10.2	2.7%	4.8	1.7	0.5%
RCCAR23073	5	24	29	Rock	1544	41	305	5	11%	41.5	2.1	5.0%	7.0	0.3	0.7%
RCCAR23074	17	0	17	Regolith	1676	280	397	92	33%	37.7	7.4	2.6%	6.7	1.3	0.5%
RCCAR23074	2	17	19	Rock	3546	105	859	16	15%	90.6	4.6	4.4%	16.0	0.6	0.6%
RCCAR23075	20	0	20	Regolith	799	235	149	77	33%	16.5	6.3	2.7%	2.8	1.1	0.5%
RCCAR23075	9	20	29	Rock	942	11	189	2	20%	19.6	0.3	2.8%	3.4	0.0	0.4%
RCCAR23076	10	0	10	Regolith	1262	277	147	87	31%	13.9	6.2	2.2%	2.2	1.1	0.4%
RCCAR23076	5	10	15	Rock	1634	17	305	4	23%	31.8	0.5	2.7%	5.1	0.1	0.5%
RCCAR23077	20	0	20	Regolith	2332	390	488	128	33%	34.4	7.6	1.9%	5.7	1.3	0.3%
RCCAR23077	5														

Rock

15%

4.3%

Drillhole	Length From To		Material	TREO DREO NdPr T NdPr D					Dy T Dy D			Tb T Tb D			
	m	m		m	Type	ppm	ppm	ppm	ppm	% of DREO	ppm	ppm	% of DREO	ppm	ppm
RCCAR23077B	18	0	18	Regolith	2397	531	473	183	34%	28.3	8.6	1.6%	4.9	1.5	0.3%
RCCAR23077B	7	18	25	Rock	1203	25	199	5	22%	36.8	0.8	3.1%	5.8	0.1	0.4%

¹ Total Rare Earths ("TREO"): Considers all rare earths elements represented in oxide form ((Lanthanum - La₂O₃, Cerium - Ce₂O₃, Praseodymium - Pr₆O₁₁, Neodymium - Nd₂O₃, Samarium - Sm₂O₃, Europium - Eu₂O₃, Gadolinium - Gd₂O₃, Terbium - Tb₄O₇, Dysprosium - Dy₂O₃, Holmium - Ho₂O₃, Erbium - Er₂O₃, Thulium - Tm₂O₃, Ytterbium - Yb₂O₃, Lutetium - Lu₂O₃, Yttrium - Y₂O₃)).

² Desorbible Rare Earths ("DREO"): DREO is the recoverable fraction of TREO using the Circular Mineral Harvesting ammonium sulfate based metallurgical process.

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