



American Rare Earths

(ASX: ARR; OTC: ARRNF; FSE: 1BH)

June 2022 Quarterly Activities



Disclaimers and Competent Person Statements



Disclaimers

This presentation contains forward-looking statements that involve subjective judgement and analysis and accordingly, are subject to significant uncertainties and risks, many of which are outside the control of, and are unknown to, American Rare Earths ("ARR"). In such circumstances, the forward-looking statements can be identified by the use of forward looking words such as "may", "will", "expect", "intend", "seek", "estimate", "believe", "continue" or other similar words.

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ARR wishes to caution readers that these forward-looking statements are based on economic predictions and assumptions on reserves, mining method, production rates, metal prices and costs (both capital and operating) developed by ARR management in conjunction with consultants.

This presentation and the forward-looking statements made in this presentation, speak only as of the date of the presentation.

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Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr. Jim Guiling. Mr. Guiling is a Member of a Recognised Overseas Professional Organisation included in a list promulgated by the ASX (SME Registered Member of the Society of Mining, Metallurgy and Exploration Inc). Mr. Guiling is Principal of independent consultants World Industrial Minerals LLC. Mr. Guiling has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Guiling consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this document that relates to Mineral Resource Estimate is based on information provided by Mr Alfred Gillman. Mr. Gillman is Principal of the independent consultant firm Odessa Resources Pty Ltd. Mr. Gillman is a Fellow and Chartered Professional of the Australian Institute of Mining and Metallurgy (AUSIMM) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 JORC Code. Mr. Gillman consents to the inclusion in the report of the matters based upon the information in the form and context in which it appears.

The mineral resources disclosed in this presentation are compliant with NI 43-101 standards which are close to the JORC Code in their key definitions. La Paz mineral resources can therefore be quoted as "qualifying foreign estimates" according to ASX listing rules.

ARR confirms it is not aware of any new information or data that materially affects the information included in the original market announcement, and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. ARR confirms that the form and context in which the Competent Person's findings presented have not been materially modified from the original market announcement.

American Rare Earths

Developing critical minerals resources for a sustainable future



Expanding high value resources, including two of the potentially largest rare earths projects in the US



Collaborating on US Gov funded R&D projects in the push to build a complete domestic supply chain



Exploring and developing new rare earth projects



American Rare Earths
Geologist Brianna Crenshaw
at the La Paz Project.

Highlights for June Quarter

- Outstanding Drill Results from the Halleck Creek Rare Earths Project
- La Paz Project Demonstrates Significant Resource Upside
- Successful Metallurgy Results
- Green Metallurgy Research Partnerships in the USA
- New Claim Areas Staked at Halleck Creek and La Paz



Financials

- Well-funded to deliver our objectives
- Cash position of \$6,325,111
- 4,000,000 ASX: COB shares
- \$3m Promissory Note with a financial asset value of \$2.8M
- 1,440,000 shares were issued due to the exercise of options



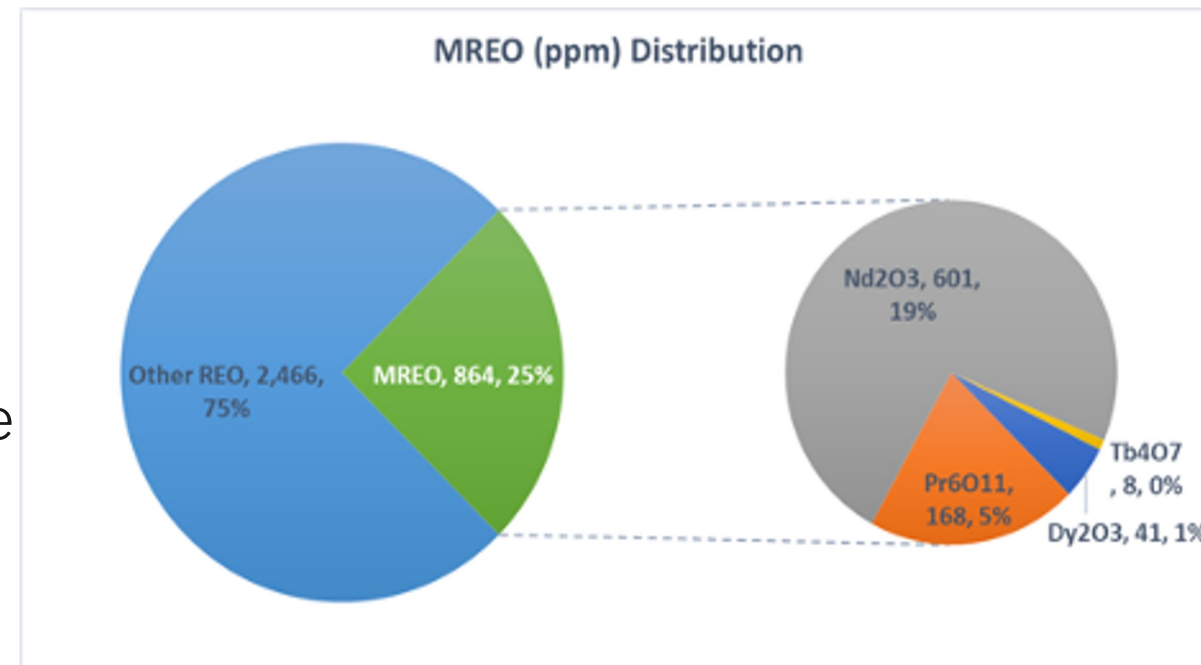
Outstanding Drill Results at Halleck Creek



- Consistent high-grade mineralisation averaging 4,252ppm Total Rare Earth Oxides (TREO) from surface
- Remains open at depth.
- The next steps underway
 - Update the existing Exploration Target
 - Planning comprehensive drilling program (2022) to define a high tonnage maiden JORC resource (early 2023).

Sample Count	TREO	LREO	HREO	MREO
382	3,138	2,800	338	781

Average REO values from all Assays in HC22-OM01, HC22-OM02, HC22-OM03, HC22-OM04, and HC22-OM05



Distribution of Magnet Rare Earth Oxide Elements

La Paz Demonstrates Significant Resource Upside

- Drill assay results demonstrated significant expansion potential at the flagship project.
- Accelerating exploration plans to expand and upgrade the current JORC 2012 resources at La Paz on the highly promising assay results from recent exploration drilling.
- Alongside Halleck Creek, La Paz has the potential to be one of the largest, rare earth deposits in North America.



Successful Metallurgy Results

- La Paz ore responds well to conventional processing technology.
- Capital and operating costs will be reduced with 75% of the gangue (non-mineralised) material removed prior to the floatation circuit.
- Additional test work is underway to further reduce operating and capital costs.



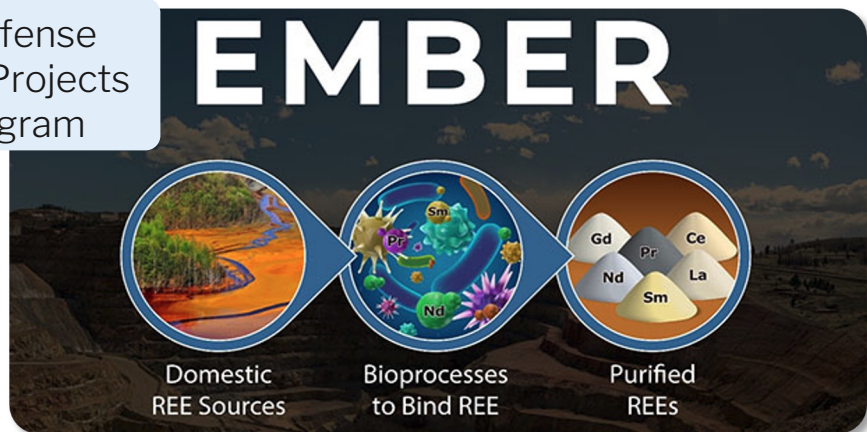
Green R&D Research in the USA



We are proud to partner with leading researchers on US Government funded R&D at:



US Department of Defense
Advanced Research Projects
Agency's EMBER program

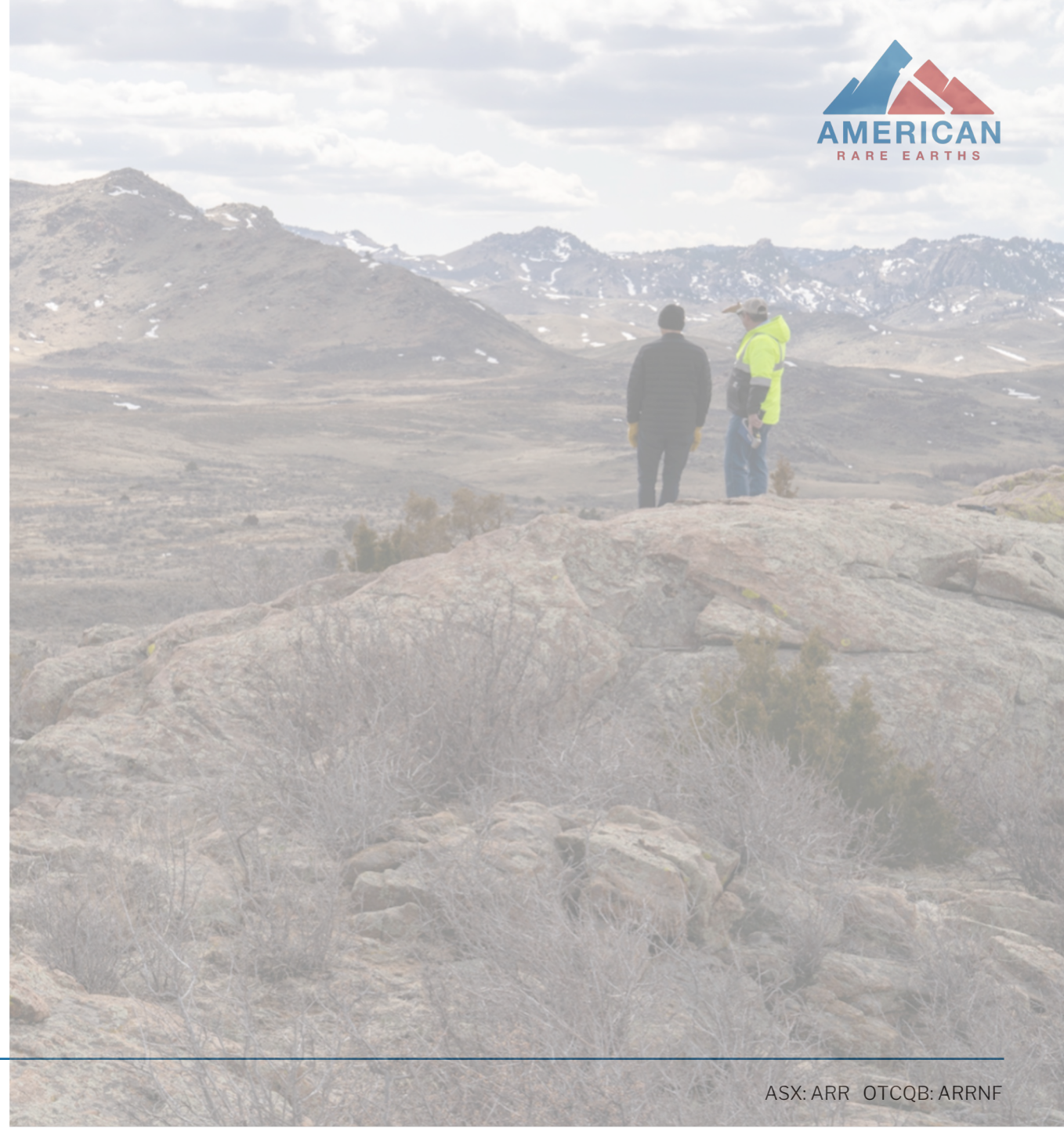


US Department of Energy funded
Innovation Hub: Team Member of
the Critical Materials Institute (CMI)



New Claim Areas Staked

- During the period, the company staked additional Federal Lode Claims following results from recent drill campaigns
 - 95 more claims in the Southwest area of La Paz making the total project area 334 claims/license over 7506ac or 3037ha
 - 181 more claims at the Halleck Creek project making the total project area 257 claims/license over 6,052ac or 2,449ha



Outlook for September Quarter

Halleck Creek

- Upgrade exploration target
- Obtain drill permits
- Plans underway to commence resource drilling to define a significant JORC Resource
- Deliver mineralised core to Nagrom, the metallurgical test lab in Perth, WA

La Paz

- Upgrade exploration target
- Obtain drill permits
- Prepare drill plans
- Finalise current phase of metallurgical testing
- Issue updated technical report



Contact Us



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