

JULY 2026



AMERICAN
CRITICAL
MINERALS

Fueling American Independence

**Working to Fuel And Feed America from
the Heart of Utah**



CSE: KCLI | OTCQB: APCOF | FRA: 2P3

www.acmineralscorp.com

Forward Looking Statements

This presentation contains forward-looking information (within the meaning of applicable Canadian securities legislation) that involves various risks and uncertainties regarding future events. Such forward-looking information includes statements based on current expectations involving a number of risks and uncertainties and such forward-looking statements are not guarantees of future performance of the Company, and include, without limitation, statements relating to plans for future exploration and the magnitude and quality of the mineralization at the Project. There are numerous risks and uncertainties that could cause actual results and the Company's plans and objectives to differ materially from those expressed in the forward-looking information in this news release, including without limitation, the following risks and uncertainties: (i) risks inherent in the mining industry; (ii) regulatory and environmental risks; (iii) results of exploration activities and development of mineral properties; (iv) risks relating to the estimation of mineral resources; (v) stock market volatility and capital market fluctuations; and (vi) general market and industry conditions. Actual results and future events could differ materially from those anticipated in such information. This forward-looking information is based on estimates and opinions of management on the date hereof and is expressly qualified by this notice. Risks and uncertainties about the Company's business are more fully discussed in the Company's disclosure materials filed with the securities regulatory authorities in Canada at www.sedarplus.com. The Company assumes no obligation to update any forward-looking information or to update the reasons why actual results could differ from such information unless required by applicable law.

References to Exploration Targets throughout this presentation should be read in the context of the following Cautionary Note: Exploration Targets are conceptual in nature and there has been insufficient exploration to define them as Mineral Resources, and, while reasonable potential may exist, it is uncertain whether further exploration will result in the determination of a Mineral Resource or support a PEA report under NI 43-101. The Potash, Lithium, and Bromine Exploration Targets are not being reported as part of any Mineral Resource or Mineral Reserve.

The Agapito Report quantifies the Company's Green Lake Project's potash exploration potential in the form of a NI 43-101 Exploration Target. The Exploration Target estimate was prepared in accordance to the NI 43-101 guidelines of the Canadian securities regulators. It should be noted that Exploration Targets are conceptual in nature and there has been insufficient exploration to define them as Mineral Resources, and, while reasonable potential may exist, it is uncertain whether further exploration will result in the determination of a Mineral Resource under NI 43-101. The Exploration Target stated in the Agapito Report is not being reported as part of any Mineral Resource or Mineral Reserve (Agapito, January 2026; www.sedar.com).

Dean Besserer, P.Geo., a qualified person within the meaning of NI-43-101 has reviewed and is responsible for the technical details of this presentation.

American Critical Minerals cautions that results or discoveries on properties in proximity to the American Critical Minerals' properties may not necessarily be indicative of the presence of mineralization on the Company's properties. All information regarding other companies and/or projects contained in this disclosure has been drawn from publicly available sources. The Company has no affiliation to any of the aforementioned companies and/or projects.

The Company has no affiliation to Intrepid Potash or the Moab Mine.

American Critical Minerals

Dual Exposure

Single asset with exposure to two strategic minerals: potash and lithium.

Super Basin

Developing large-scale potash, lithium, and bromine targets within the Paradox Basin, Utah, one of the world's key potash basins.

Peer Validation

Large-scale potash production 30km away. Adjacent advanced lithium development with successful pilot and small scale mining permit approval (Anson Resources).

Defining Milestone

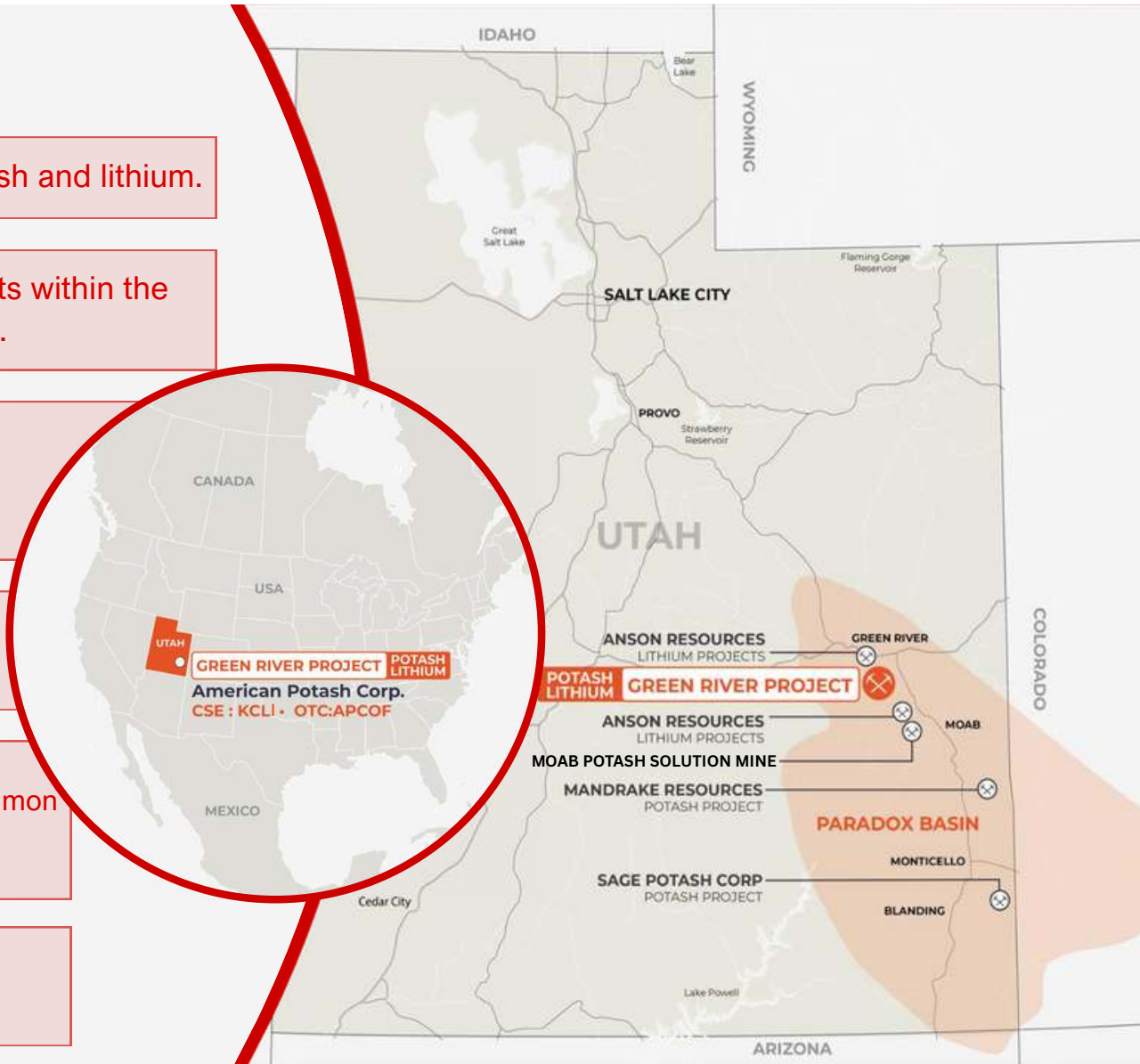
Inaugural drill program planned and fully permitted for Q3 2026 guided by historic oil & gas well data.

Key Differentiator

CEO, Dean Pekeski brings 17+ years of potash exploration and development experience including projects in Utah. Chairman, Simon Clarke took American Lithium to \$1.2B valuation with 10+ years running Critical Minerals projects.

Funding Potential

Increasing U.S. government focus on securing domestic critical minerals and fertilizer supply chains.



The Paradox Basin: A Potash and Lithium Exploration Hotbed – The Only US Super Potash Basin

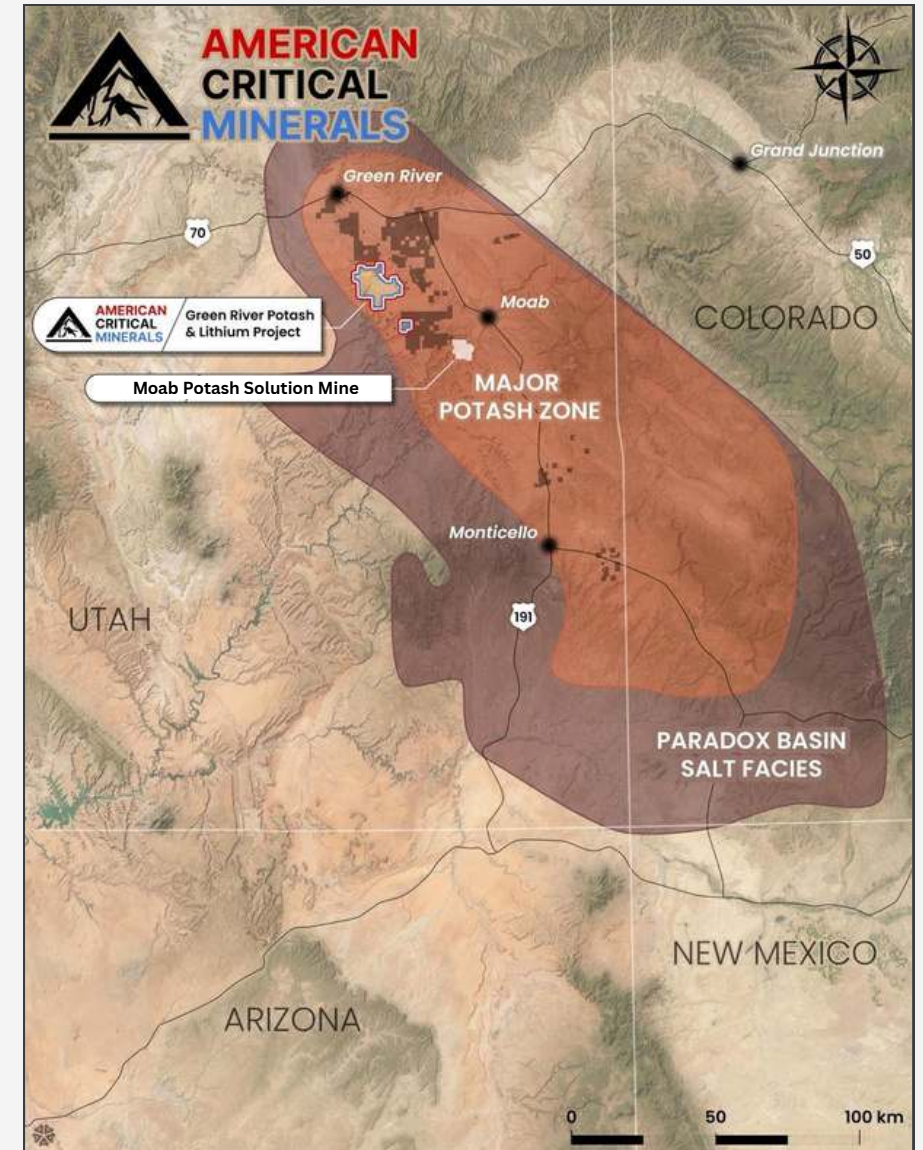
What is a Super Basin?

- A super basin is a large, geologically favourable sedimentary basin that hosts multiple world-class (Tier 1) potash deposits, typically in flat-lying formations that support low-cost, large-scale extraction.
- Super Basins are defined to have the potential to produce a 1Bt of potash.
- These basins underpin global potash supply in regions such as Canada, Belarus, and Russia.

The Green River Project is located within the historic Paradox Basin which contains:

- **Established and ongoing Potash production**
- **Large established resources for Lithium & Successful Pilot**
- **Large Exploration targets for Potash, Lithium and Bromine**

The geologic province known as the Paradox Basin extends approximately 160 km (100 miles) in width and 320 km (200 miles) in length in a northwest- southeast direction spanning southeastern Utah and southwestern Colorado.



The Green River Potash and Lithium Project

100% interest

The Project Spans 32,500 Acres

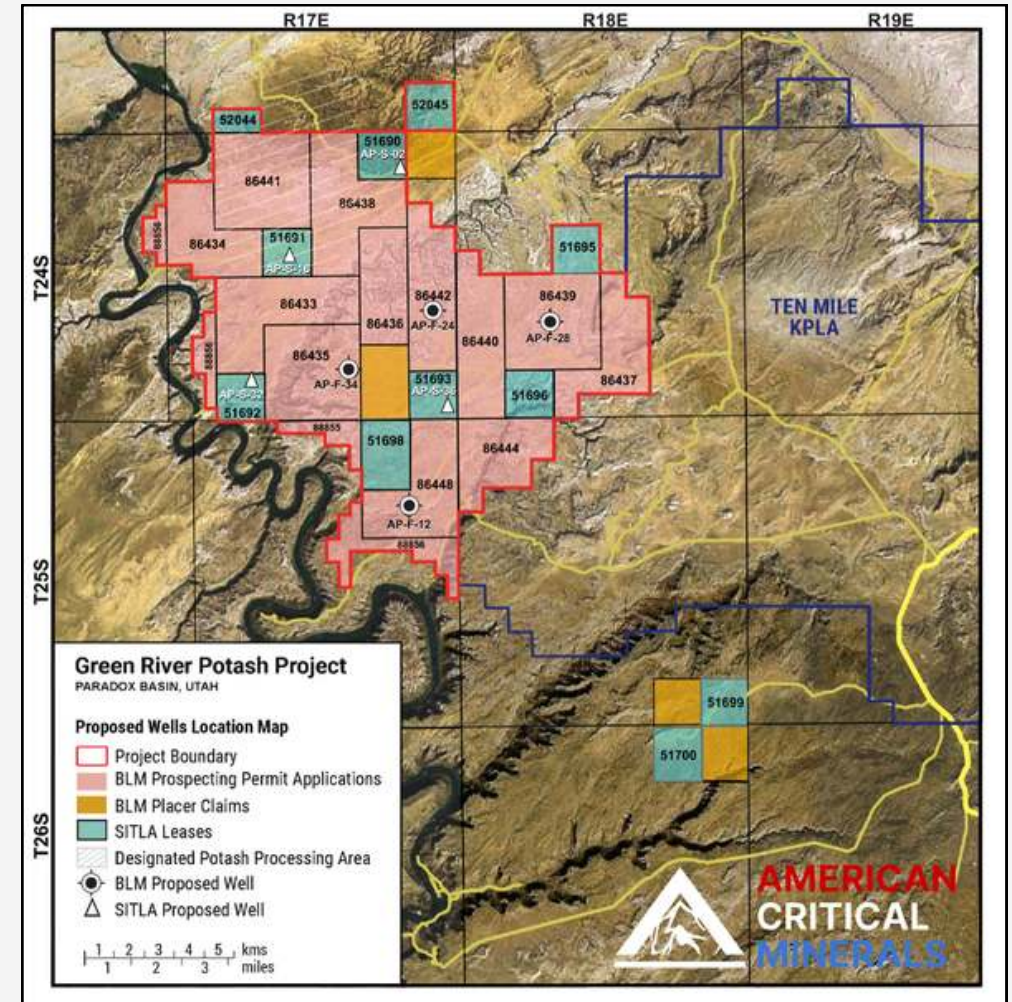
- 11 State of Utah Potash and Lithium leases totaling 7,050 acres
- 1094 Federal Lithium brine claims (21,900 acres)
- 11 Federal Potash Prospecting Permits covering 25,000 acres

7 Permitted Wells on the Project

- 4 Wells permitted on BLM land
- 3 Wells permitted on State land

Location and Infrastructure

- Rail, roads, power, and water proximal to site
- Access to local labor with Moab and Green River 20km away



Regional Pedigree Validated by Peers

Moab Potash Solution Mine

Producing nearby for over 50 years from the same potash cycles.

Successfully mining using Solution Mining recovery

- Cycle 5 is in 'Goldilocks Zone' for potash mining optimum depth (5,000 ft) that balances out brine temperature with drill costs/complexity.
- Cycle 5 has been mined since 1963.

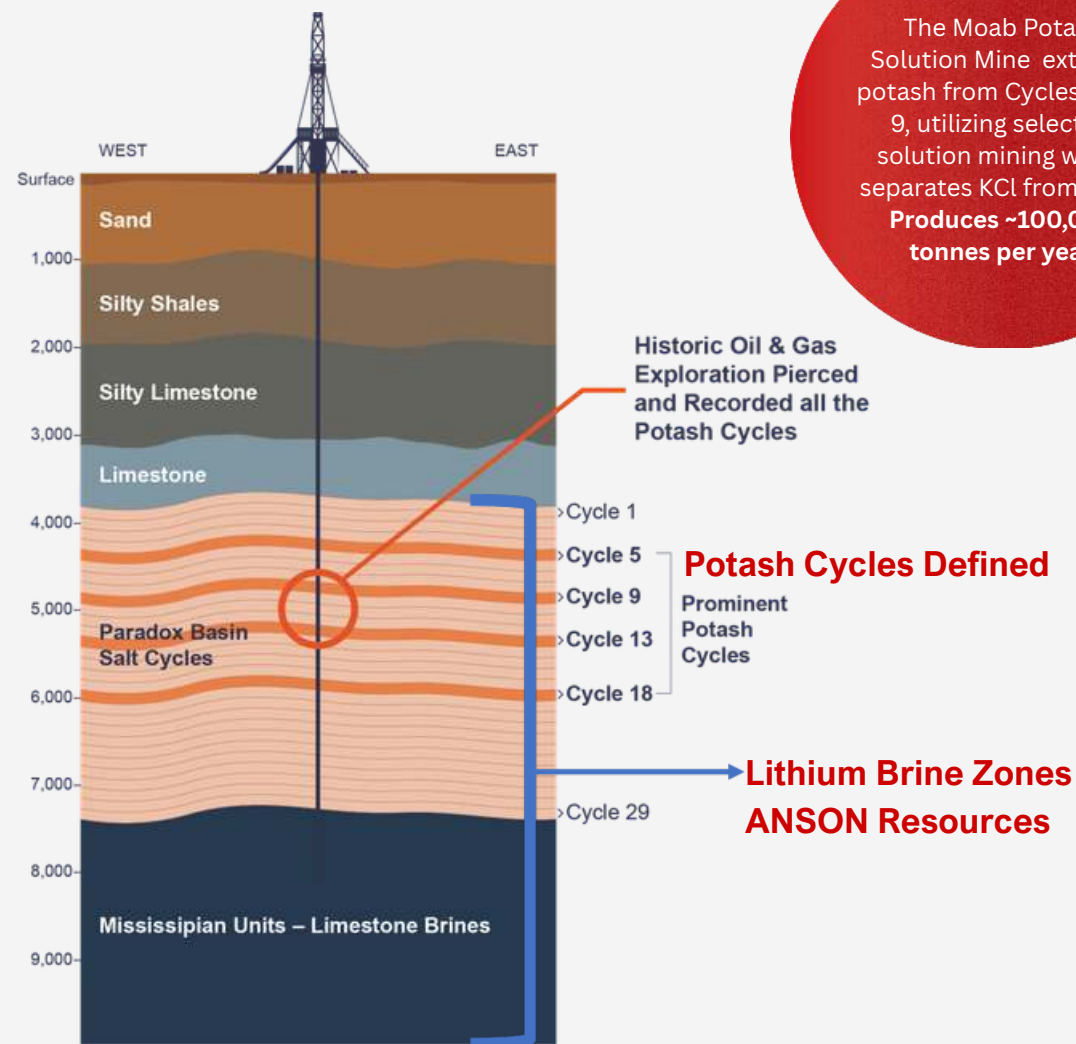
Anson Resources (ASX-ASN)

Anson Resources is developing two blocks that bookend the American Critical Minerals' land claims.

The Green River Lithium DLE Project is well advanced and borders KCLI's project on the north.

- JORC Resource: 773,000t of contained LCE
- Well advanced moving into Feasibility and has now received all major government permits for its planned 10,000 tpa lithium carbonate plant (July 2026)

The Paradox Lithium Project is located to the south and host a JORC resource of 1.5Mt LCE but is optionality on the more advanced Green River Lithium DLE Project.



The Potash Opportunity

Favorable Geology for Thick High-Grade Resources

The Green River Project is in the Heart of the best fairway for Potash in the Basin

Exploration Target

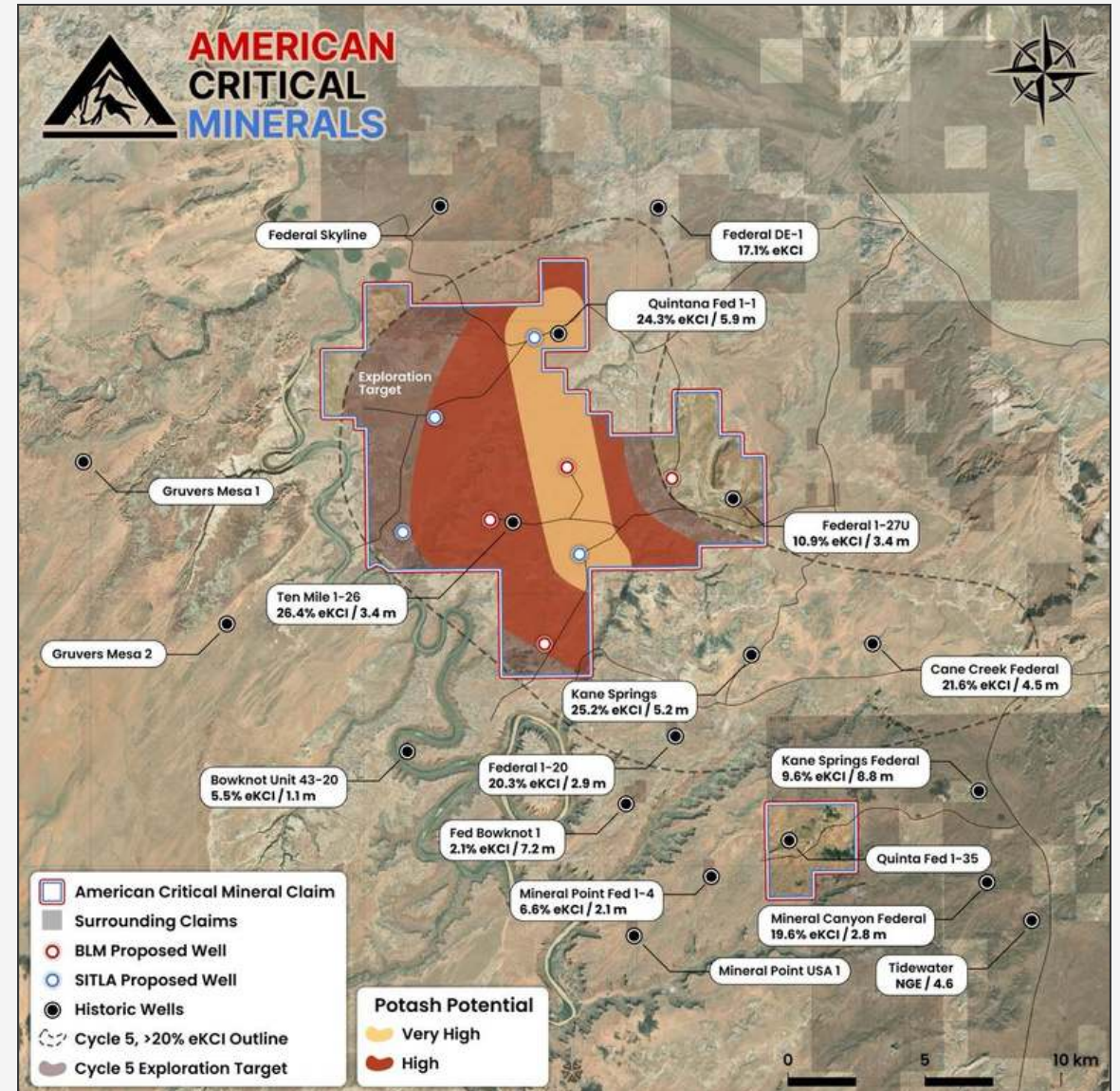
500 to 950 million tonnes of sylvinitic eKCl (Potash)
Grade 19%-29%

- Key Rock Units: Potash Cycle 5, 9 and 18

Historic Wells

There are 22 historic oil and gas wells drilled within or adjacent to our acreage with good downhole e-logs that show the presence of potash mineralization.

- Two wells on the Green River Project intercepted 3.4m @ 26.4% eKCl and 5.9m @ 24.3% eKCl



*Please see Note on Exploration Targets in "Forward Looking Statements" on Page 2 which also contains details of the Agapito Report these numbers are taken from.

The Lithium and Bromine Opportunity

Favorable Geology for Rich Resources

De-risked with Anson's project advancing on its border to the north.

Exploration Target: Based on aquifer volumes and porosity estimates.

- **Lithium:** ~615k-1.7Mt of LCE is a low and high case with Li concentrations ranging from ~91-152 ppm
- **Bromine:** ~3.2-9.1Mt of Br₂ is a low and high case with Br₂ concentrations ranging from ~2,647-4,412 ppm

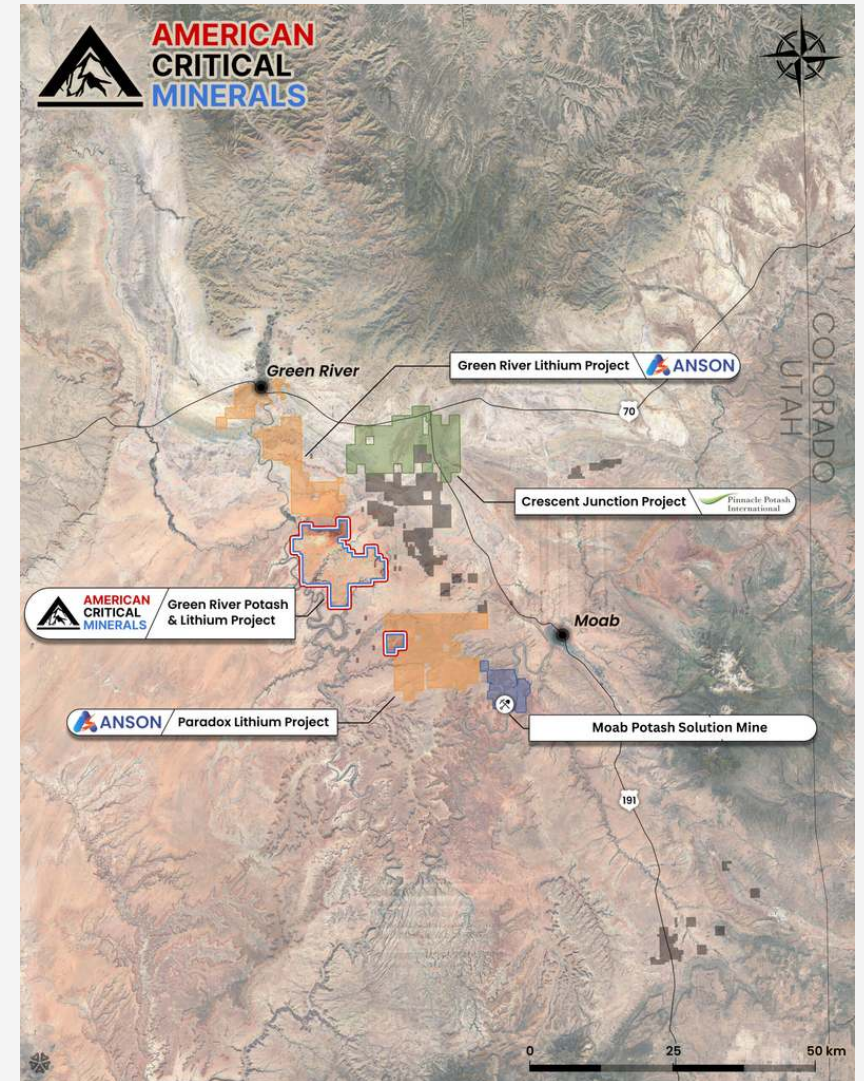
Anson Resources: Fully permitted, advancing to financing

Green River Lithium Project

- **All major permits granted** for Anson's 10,000 tpa lithium carbonate plant following approval of its Small Scale Mining Operation application (July 2026)
- **Project moving into Feasibility** with expected delivery in 2027
- **Demonstration Plant:** POSCO has a definitive agreement to construct and fund the demonstration plant
- **Definitive offtake** with LG: 4ktpa LCE

Paradox Lithium Project

- **Successful pilot program with Koch:** Produced battery-grade lithium and demonstrated strong purity relative to other basins
- **Definitive Feasibility Study:** 13ktpa of LCE production, annual EBITDA of US\$153M, and a 47% IRR, targeted for completion Q1 2027



Defining Milestone

De-Risking the Inaugural Well

Geology

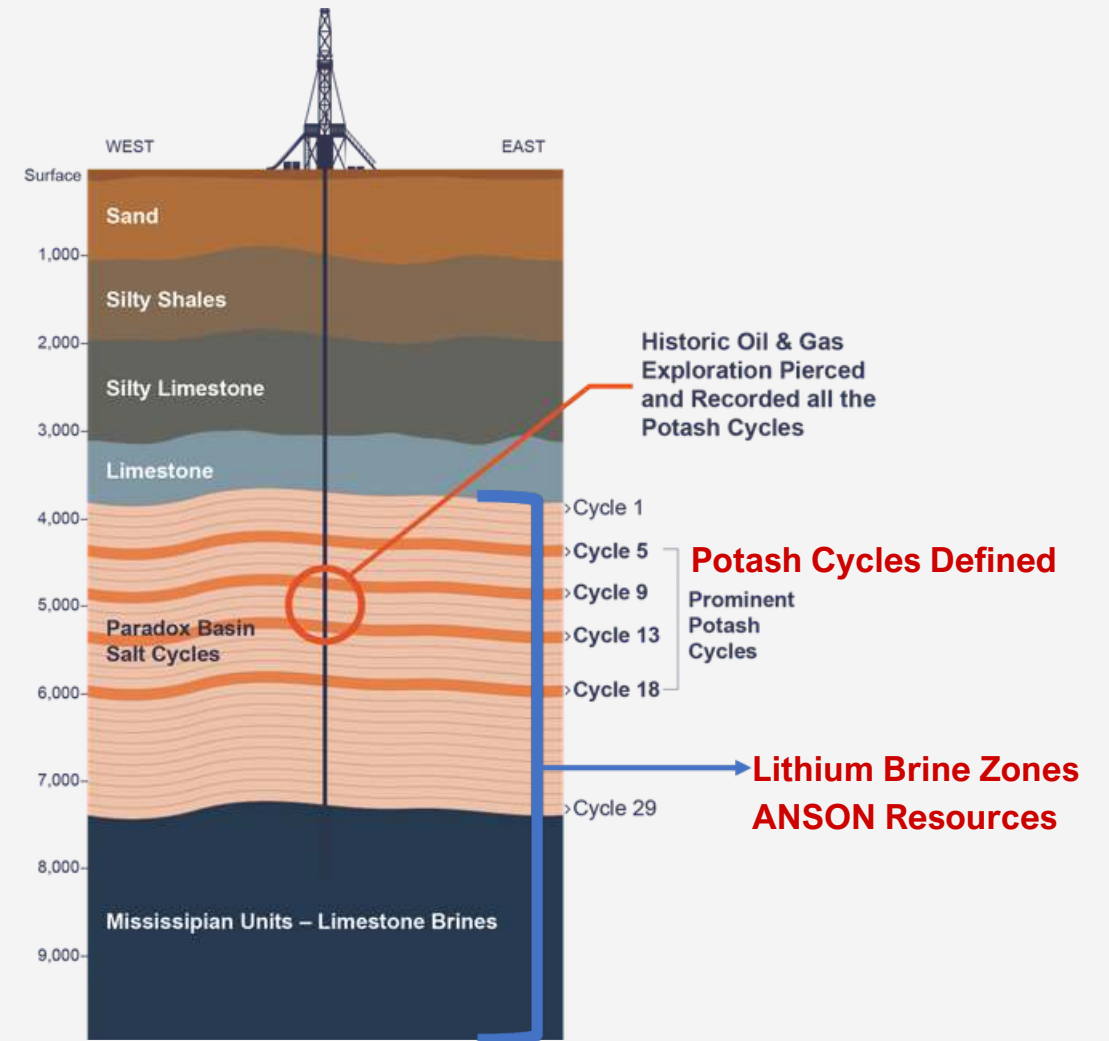
- **Potash:** The geological risk is minimized due to the adjacent oil & gas well that intercepted 5.9m @ 24.3% eKCl.
- **Lithium:** Historic oil & gas wells off property have shown the presence of Lithium supporting the continuity between Anson's two projects.

In House Expertise

- CEO, Dean Pekeski has +17 years potash experience, 10 years in Utah, and is a potash QP as defined by NI 43-101.
- Oversaw the drilling of ~20 potash wells in Saskatchewan.

Outsourced Expertise

- RESPEC has been engaged to manage and execute the drilling program.
- RESPEC has extensive experience in potash drilling in North America, including the Paradox Basin.



The Path Forward

Discovery to Feasibility

Phase II Drill Program - 2 Wells

Lithium

- Agapito estimates that approximately three successful wells will be required to support an economic study.
- Further process work will be needed to take the economic study to Feasibility. Recall, Anson Resources completed a Koch pilot on their Green River Lithium Project.
- Executive Chairman Simon Clarke has been involved in the completion of 3 lithium PEAs and brings extensive knowledge of lithium markets and offtake negotiations.

Phase III Drill Program - 3 Wells

Potash

- Agapito estimates that approximately six successful wells will be required to support a future feasibility study.
- 2D/3D seismic coverage across the area is expected to help establish continuity between wells, an important component in advancing toward a feasibility study.
- CEO Dean Pokeski previously guided multiple projects through a similar development process, bringing direct potash development and feasibility study experience to the project.

Building the U.S. Supply Chain

Two Critical Minerals

Funding Food Security

- Sage Potash (TSXV-SAGE) – Secured a \$14M USDA grant for their Sage Plain Potash Project in the southern end of the Paradox Basin, Utah.
- Peak (Private) – EXIM Bank issued a LOI of \$175M and secured an \$80M grant from the USDA for capital funding for their SOP project, Utah.

CEO, Dean Pekeski negotiated the funding package with USDA, FPEP and US EXIM Bank for Peak's SOP Brine project in Utah.

Energy Transition

- Standard Lithium (TSX-SLI) - Secured a \$225M grant from the Department of Energy to build Phase I of the South West Arkansas DLE Project.
- Anson Resources (ASX-ASN) – Signed an LOI for \$330M with EXIM Bank for their Lithium project. They recently announced a definitive agreement Where POSCO will fund and build their 10kt LCE demonstration plant (next to KCLI).

Executive Chairman, Simon Clarke has held many offtake negotiations with the leaders in battery technology.

The Potash Problem in America – Huge Reliance on Overseas Markets

Investing in U.S. based potash sources, will help to secure American Farming Independence and Food Security with U.S. based supply.

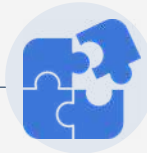
Declining U.S. Production



U.S.
PRODUCTION
-65%
production decline

Potash production in America has consistently declined since 1999.
1999: 1480t. | 2022: 480t.¹

Global Supply Chain Disruptions



AFFECTS
THE U.S.
~38%
of global supply

The **Russia/Ukraine war** resulted in sanctions on a significant supply of Potash from Russia/Belarus

Rising Demand



SUPPLY
~6M tonnes²
global supply gap

2022E Global supply gap



U.S. IMPORTS
over 94%
of its potash from overseas sources

Rising Costs



FARMING
COSTS
Rising

Supply chain disruptions and fertilizer price increases lead to higher costs for American Farmers

Rising Prices



PRICES
Rising & Tariff Impacts

Higher costs for American farmers leads to higher prices for American consumers and Tariffs / Trade disputes will exacerbate this Trend

The Lithium Opportunity in America

Investing in U.S. based lithium mining will help secure American EV Battery supply chains .

Declining U.S. Production



U.S.
PRODUCTION
-36%
production decline

US Lithium Mined Production has dropped from 37% of global lithium production to 1% from 1995-2021²

Despite having 4% of the world's lithium reserves⁵

Rising Demand



WORLDWIDE
~3M tonnes²
demand by 2030

In 2024 the U.S. consumed 3,400 metric tonnes of lithium¹

Foreign Dependence



U.S. IMPORT
Over 50%
(2024)

70% of Global lithium production is dominated by Australia and Chile³

China dominates the EV battery supply chain, supplying 56% of the EV batteries worldwide⁸

Critical Need



GLOBAL Li
SHORTAGE
2025⁶

“Global lithium supply is expected to enter a deficit relative to demand by 2025”

BMI, a Fitch Solutions research unit

The Need for U.S. Lithium Production



US DEPT OF
ENERGY
2.91B

The US Department of Energy has committed \$2.91B to help secure the U.S. supply chain for advanced batteries, presently dominated by China⁷

Our Team

Dean Pekeski, BSc, PGeo.
President, CEO & Director

Has held senior technical and corporate positions across the mining sector for over 33 years with a particular focus on potash exploration and development for over 17 years of that time. Dean was Executive Vice President of Western Potash Corp. from 2008 – 2015 and lead discovery and development of the Milestone Potash Solution Mining Project in Saskatchewan. From 2016 Dean has been developing Peak Minerals Inc., a private Company developing the construction ready Sevier Playa Potassium Sulphate (SOP) Brine Project in Utah where he most recently served as CEO, President & Director. He remains as Chief Technical Officer and Director for Peak Minerals.

Simon Clarke, LLB, Dip LP
Chairman & Director

Executive Chairman of Myriad Uranium Corp. Former CEO & Director of American Lithium Corp. – \$1.2 B Market Valuation at height of last lithium cycle; Senior Management / Director Jervois Global; Founder, CEO & Director M2 Cobalt sold to Jervois Global; Founder & Director of Osum Oil Sands approx. 25k bbls / day producer, sold in 2021 for approx. \$400m.

Dean Besserer, BSc, PGeo.
COO & Director

More than three decades of mineral exploration experience working in over 50 countries, leading projects with annual exploration budgets exceeding US\$20 million. Vice-President and Partner at APEX Geoscience Ltd., a consulting firm with offices in Canada, South America and Australia. Director of Brilliant Mining, Niblack Resources, Sentosa Mining, CEO of Zeus Minerals former VP Exploration M2 Cobalt. Professional Geologist and a "Qualified Person" as defined in National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101").

Colin Healey, Bcom, MBA, MET
Director

Currently CEO of Premier American Uranium Inc.; >20 years extensive experience as a finance and management professional. including 16 years in Equity Research as a Mining and Special Situations Analyst at Haywood Securities, covering uranium, lithium, other commodities.

Eric Miller
Director

President of Rideau Potomac Strategy Group, a consultancy that advises public and private sector clients globally on economic and regulatory policies, sustainability, government affairs, business strategy, and geo-political matters. Advises mining companies on critical minerals policies and funding. Representative of Canada's Department of Industry (ISED) in the US. Global Fellow at the Woodrow Wilson Center in Washington, the Canadian Global Affairs Institute, and Canadian Chamber of Commerce's Future of Business Centre.

Steve Vanry, CFA, CIM
Director / Audit Chair

25 years of professional experience in senior management and director positions with resource focused public and private companies, providing expertise in capital markets, strategic planning, regulatory compliance, accounting, and financial reporting.

John A. Greig, MSc, PGeo.
Sr. Advisor

Assembled Green River Project land package. Founder of Sutton Resources Ltd., Cumberland Resources Ltd., and EuroZinc Mining Corp. Director of Winspear Resources Ltd., Dynamic Oil and Gas Inc. (sold for approx. \$105M), and Shellbridge Oil and Gas Inc. (sold for \$60M).

Ken Taylor
Sr. Advisor

12 years with Intrepid Potash and is CFO of Redmond Minerals, a salt producer in the U.S.

Corporate Structure

Share Information Post Financing / Roll Back

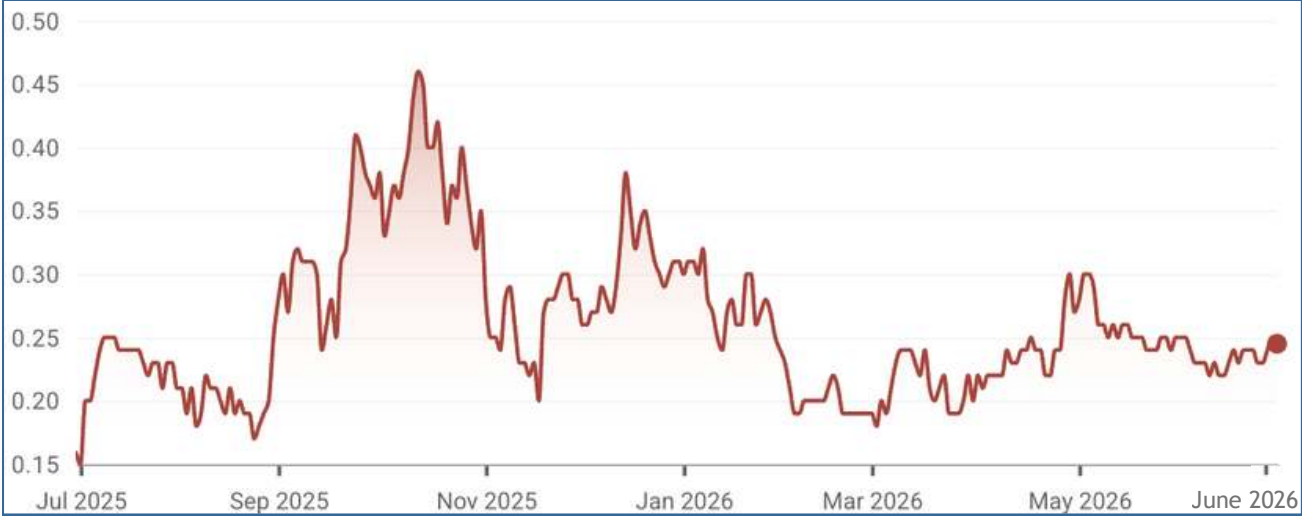
Shares Issued & Outstanding	90,550,370
Warrants	31,400,299
Stock Options	5,355,000
RSUs	1,720,000
Fully-Diluted	129,025,669
52-week range (high-low)	0.15 - 0.54
Market Cap	22.2 M
Cash Position	\$6,807,333

Ownership

Strategic / Institutional Investors	50%
% Insider Ownership	15%
Other	35%

Share Performance

Google Finance*



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