



SEPTEMBER 2022

Developing Tomorrow's Clean Energy

CORPORATE UPDATE

TSX: LAM
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laramide.com



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Exploration Target Size described in this presentation is conceptual in nature and should not be construed as a JORC compliant Mineral Resource. Target mineralisation is based on projections of established grade ranges over appropriate widths and strike lengths having regard for geological considerations including mineralisation style and expected mineralisation continuity as determined by qualified geological assessment. There is insufficient information to establish whether further exploration will result in the determination of a Mineral Resource.

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Moving Forward to Production

INVESTMENT HIGHLIGHTS

High-quality cornerstone assets located in geopolitically friendly jurisdictions: The U.S. and Australia



Churchrock in the U.S. is a large, enviable ISR asset



Large, strategic land package in Australia: PEA describes viable and robust economics; scalable



115 million pounds uranium resources across five projects



Capitalized to achieve next critical milestones on major assets



Cost profile and output scale will be attractive to global nuclear utilities



Beginning of nuclear utility contracting cycle. Utilities will be looking to secure supply and want a diversified portfolio of supply, which creates the opportunity for new entrants like Laramide



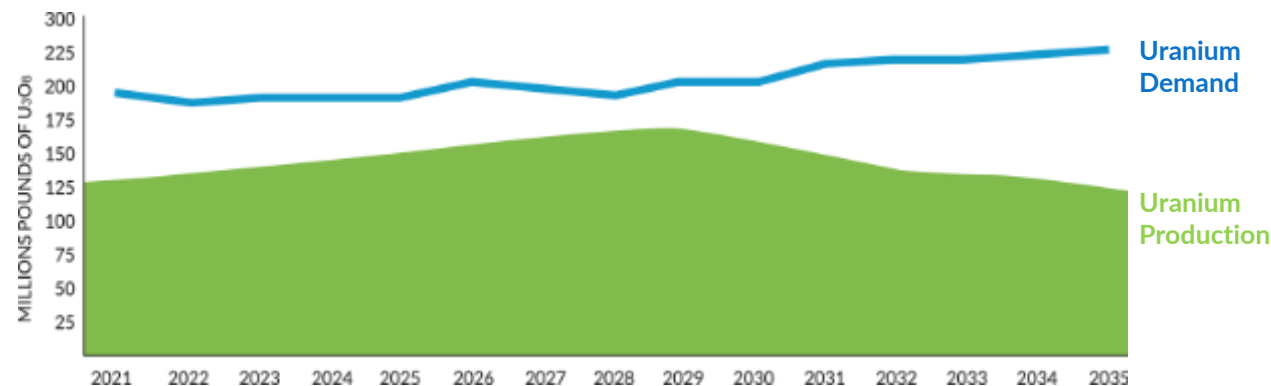
Nuclear Power: Clean Energy Solution

A large primary supply deficit was developing before COVID, before the energy crisis exploded, and before Ukraine.

The Uranium market can support multiple new entrants.

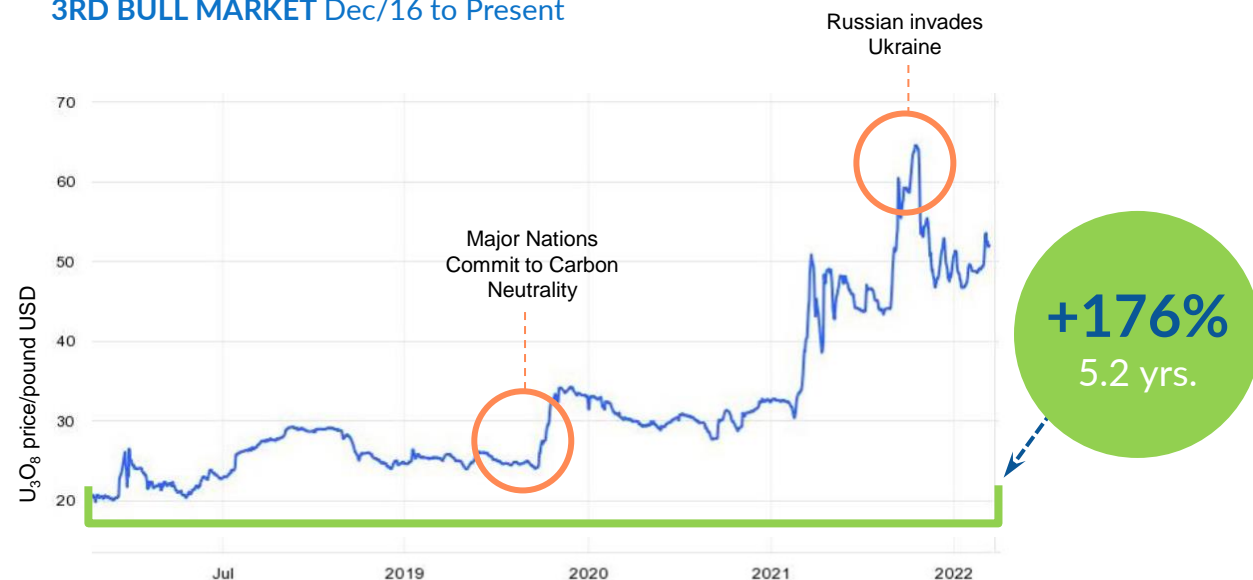
Growing friendliness towards nuclear power. Countries are signaling their openness to expanding or including nuclear to achieve their CO₂ goals.

PRODUCTION & DEMAND IMBALANCE LIKELY TO GROW



Source: UxC LLC. Data as of 6/30/2021. Methodology for estimates is outlined in the International Atomic Energy Agency report "Analysis of Uranium Supply to 2050".

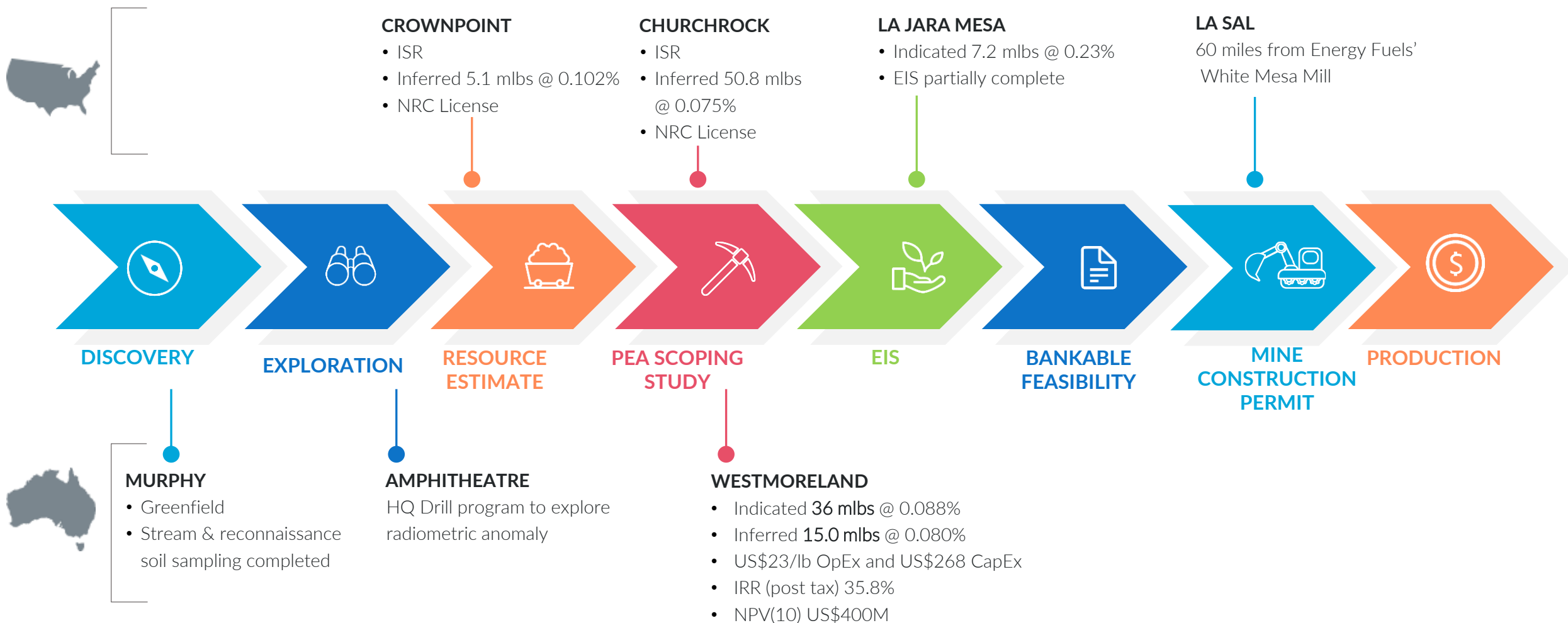
NEW URANIUM BULL MARKET MAY BE EMERGING 3RD BULL MARKET Dec/16 to Present



Source: tradingeconomics

Building a Sustainable Company

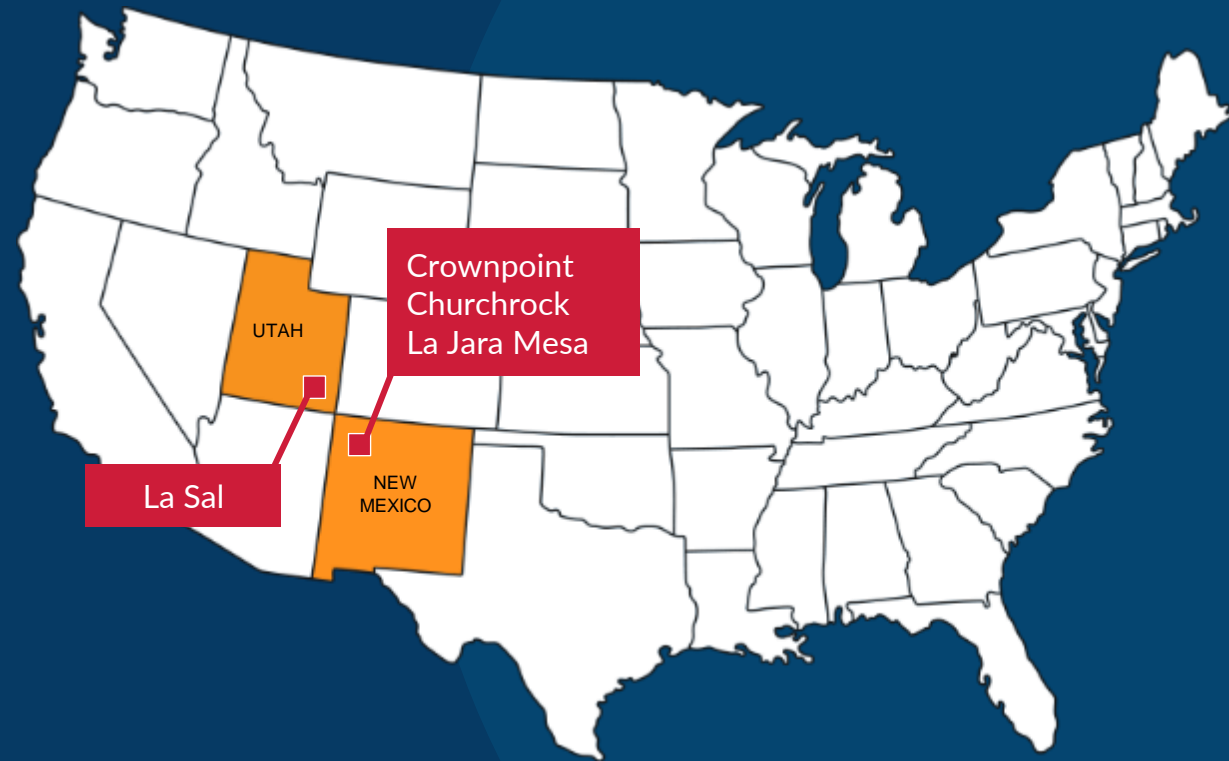
LARAMIDE PROJECT PIPELINE





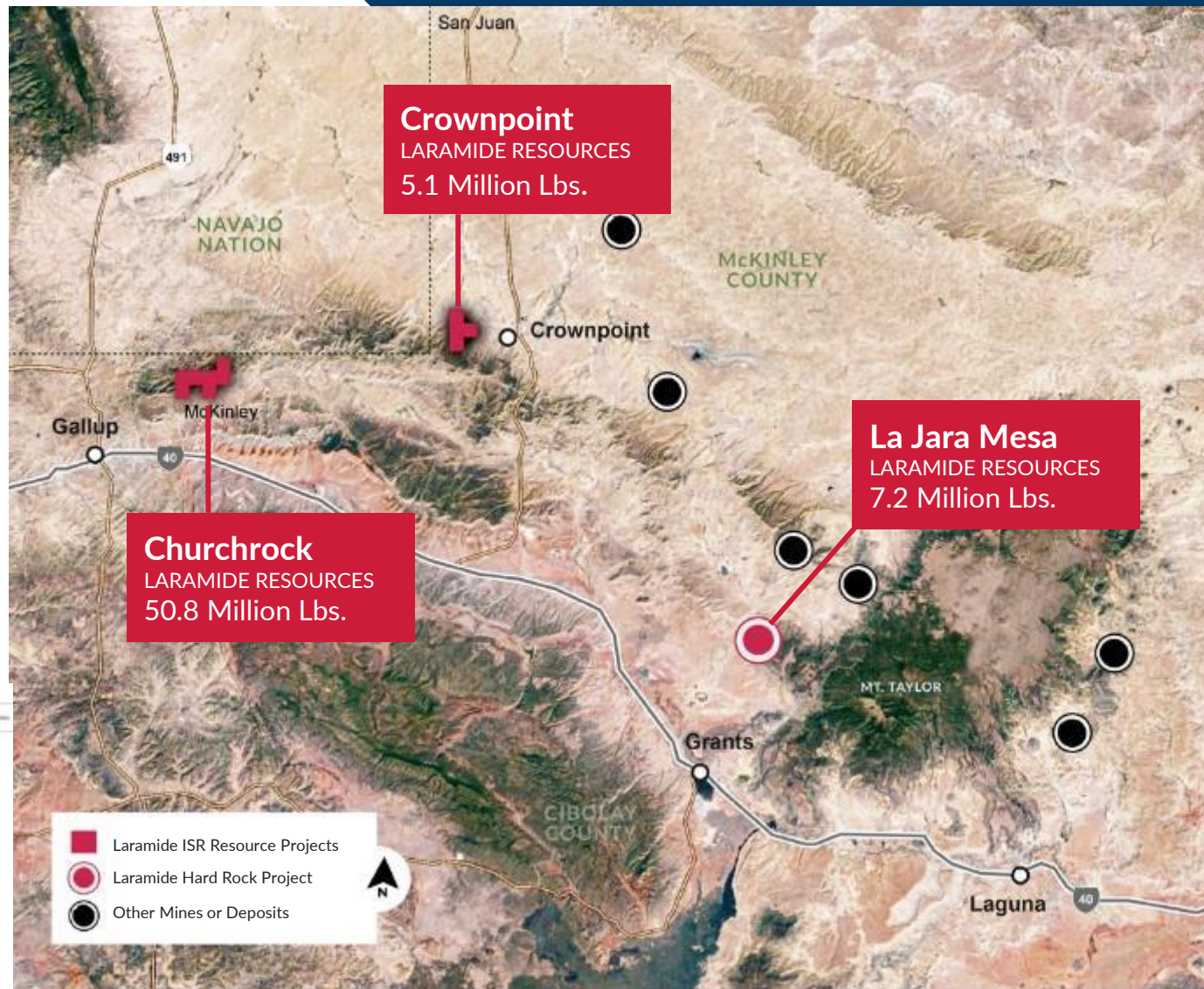
U.S. Portfolio

- Brown-field, developed assets with many permits in place
- Acquired for their size and potential production capabilities
- The size and recovery profile is attractive to utilities looking for stable sources of supply



USA PROJECTS | New Mexico

ISR Portfolio and Hard Rock Assets in Historically Significant Grants Mineral Belt, New Mexico



Churchrock

A High-Quality, Production Ready ISR Uranium Asset

- **Low-cost mine methodology** In-Situ Recovery (ISR)
- **Seven sections** of land in northern NM (> 4,160 acres)
- **Mineral Resource defined** 50.82 M lbs. (Inferred)
- **Mineral rights include patented mining claims** (giving Laramide both ownership of the land and exclusive title to the locatable minerals) and private mineral leases
- **Infrastructure includes road access, power lines and natural gas.** Water rights sufficient to operate the proposed ISR uranium mine are owned by Laramide
- **The United States Nuclear Regulatory Commission (NRC) has granted a license for production of uranium** from sections of the Churchrock Project, and the Crownpoint Project
- **In addition, the NRC has approved the construction** of a Central Processing Plant at the Crownpoint property
- While the permit to build the facility has been granted, a mining study is planned to support the technical feasibility as well as the economic viability of the initial phase of the production plan



Churchrock

Project Details & Updates

- Section 8 Feasibility Study¹ completed by previous operator describes a low initial capital, staged ramp up
- This plan describes initial production of 1 million pounds per year, ramping up to 3 million pounds
- Laramide will commence a confirmatory drill program in Q4-2022 to support the completion of a NI 43-101 PEA
- The Drill Plan seeks to:
 - Confirm uranium grade and resource estimates results from historical core hole tests, lending validity to update the resources estimates for the PEA;
 - Review the potential well field pattern outline and ISR mining parameters

¹- Feasibility Study compiled by Behre Dolbear & Company, TREC Inc. and Western States Mining Consultants Inc. (Uranium Resources press release, Dec. 31, 2012)

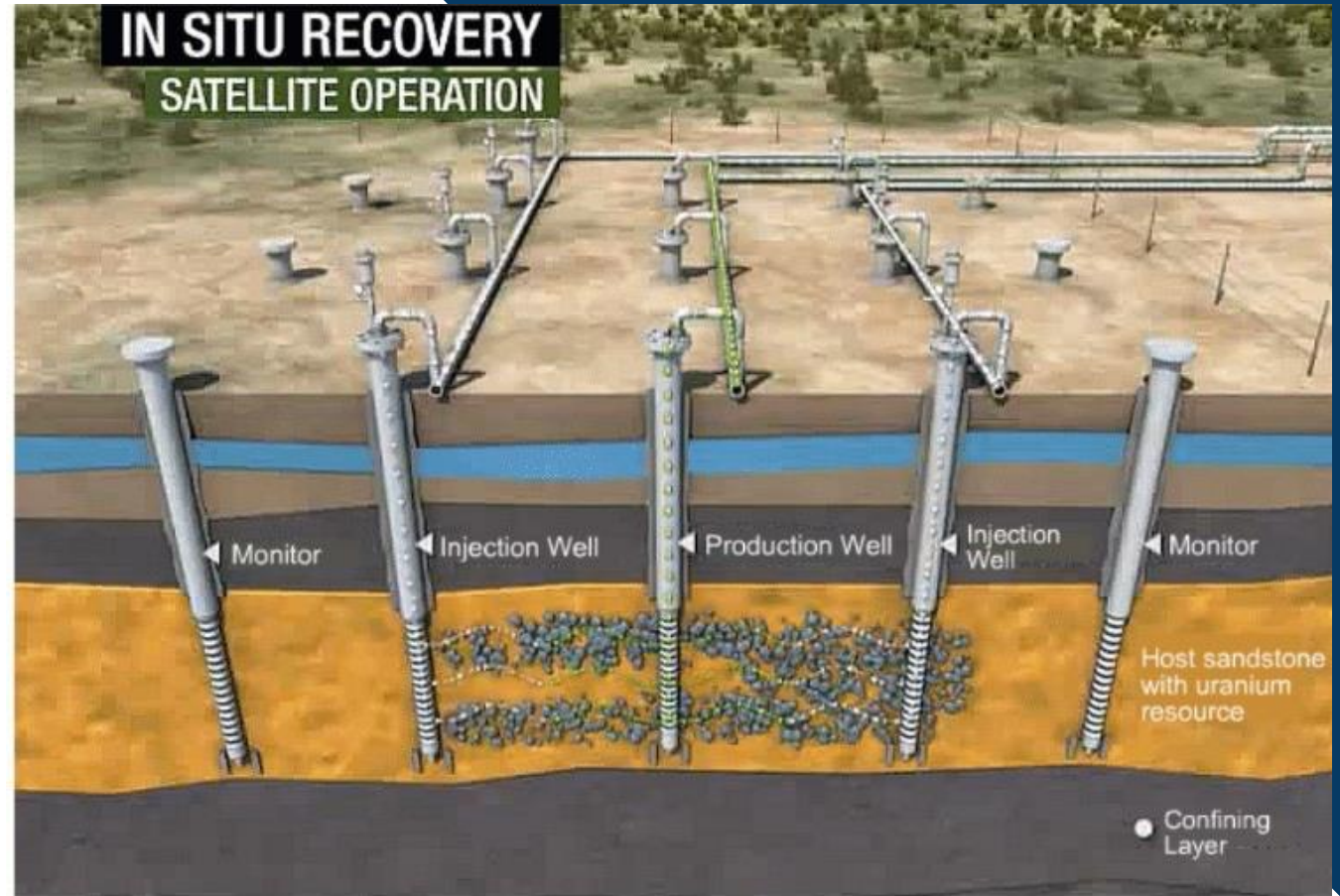
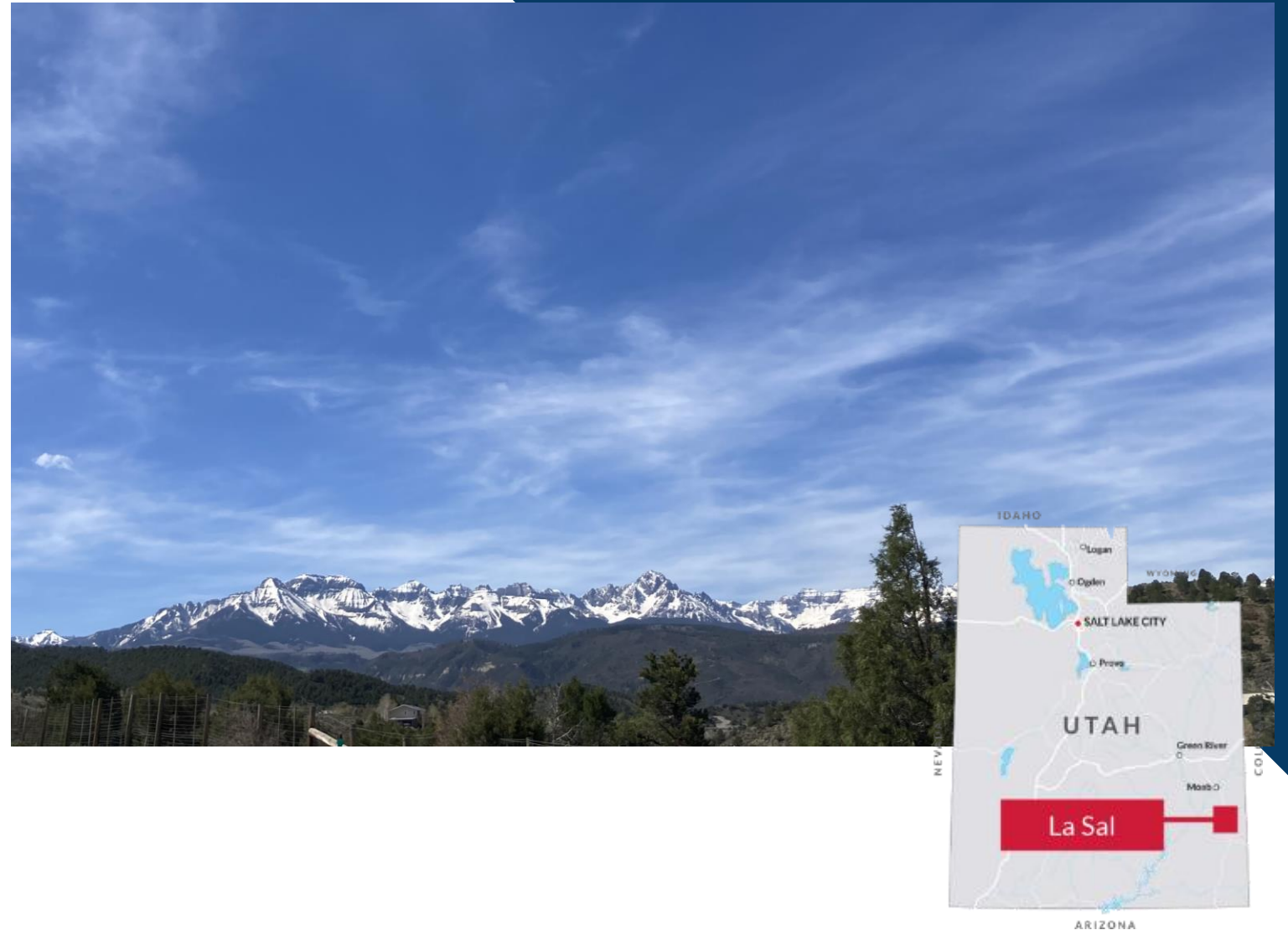


Illustration credit: Uranium Energy Corp. August 2022

La Sal

- Located in Lisbon Valley, **near Energy Fuels' White Mesa Mills**
- **Small scale underground project**
- **Permits in hand** to commence a bulk sample program (400-500Klb per annum)
- Previous owner, Homestake Mining Company **developed a decline and a ventilation raise in the early 1980s**
- Depressed uranium prices resulted in Homestake closing and reclaiming the site
- Small asset that could support throughput at Energy Fuels' Mill



La Jara Mesa



Plans for
2022

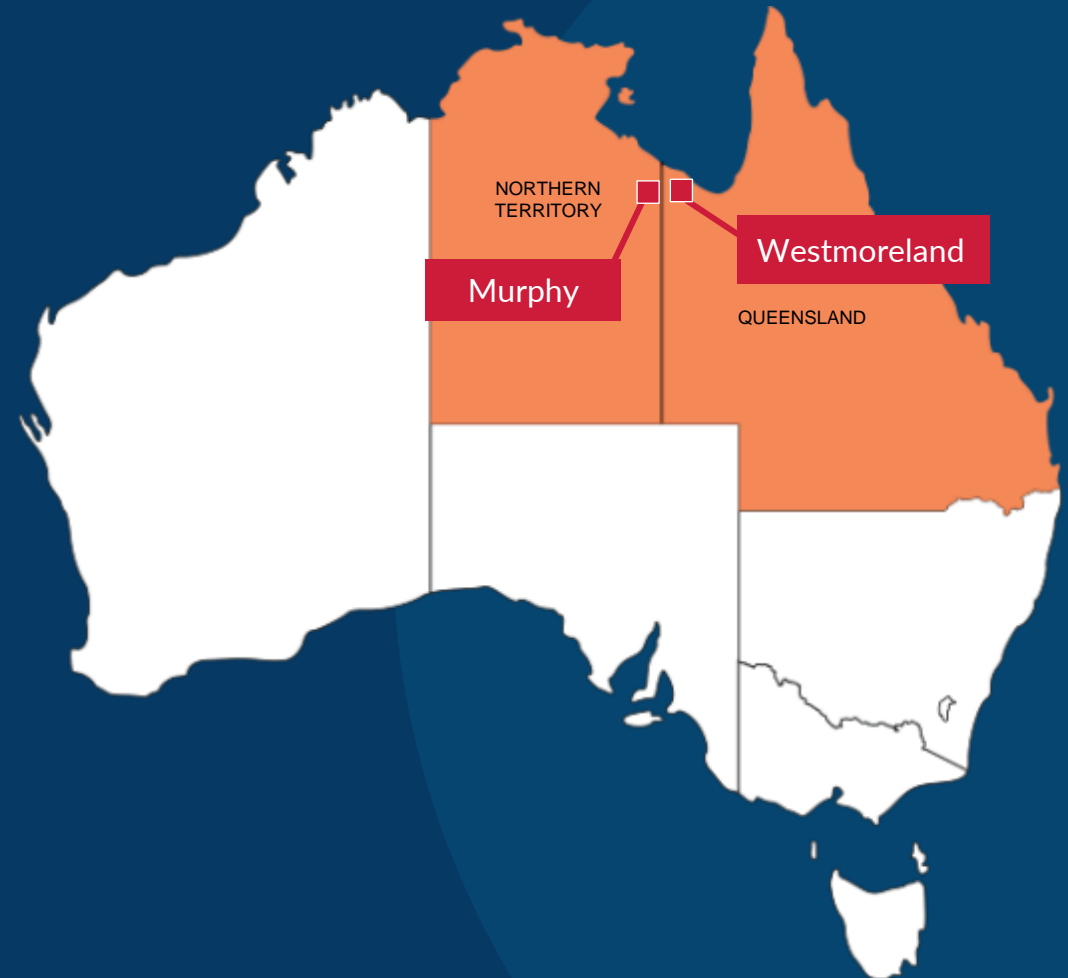
- **156 unpatented mining claims over 2280 acres** bought from Barrick Gold (successor to Homestake Mining)
- **643 holes have been drilled** including 18 core holes
- **7.3 Mlbs (M&I);** up to possibly 14 Mlbs with confirmation drilling
- **Historical resource estimates were calculated by Homestake Mining** and are considered to be carefully and diligently interpreted
- **A Conventional Underground Mining plan** is being permitted.
- **Ideas to advance this to production include identifying neighbouring assets** for economic synergies. Advancing this smaller asset requires a robust uranium price >\$70



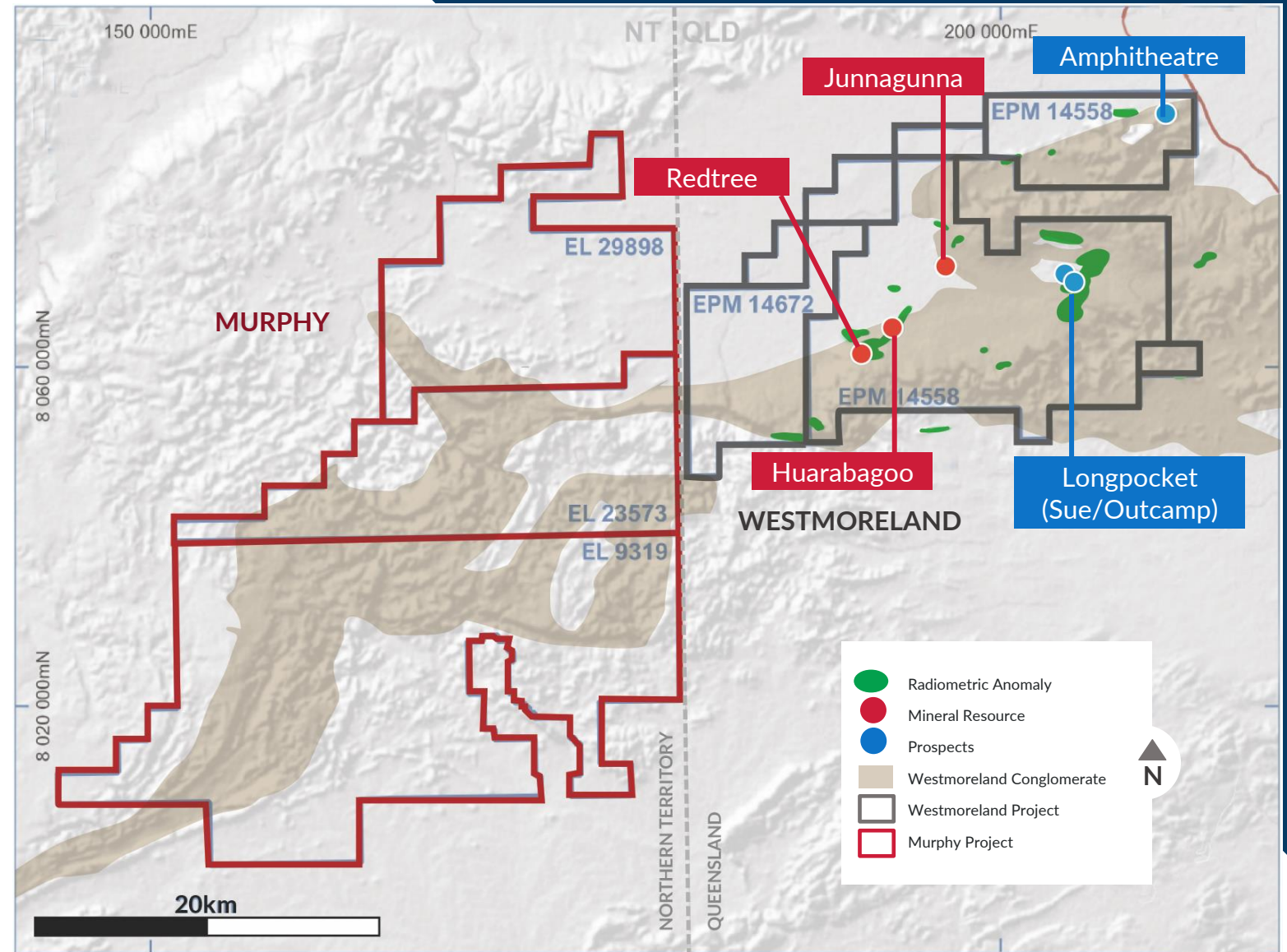


Australia Portfolio

- Australia holds the largest uranium resources in the world
- Laramide acquired previously owned projects and inherited high-quality resources



Westmoreland: Cornerstone Asset With District Scale Potential



Westmoreland

Lowest Quartile Producer

SCOPING RESOURCE: CUT-OFF 0.02% U₃O₈

Indicated:	36.0 M lbs U ₃ O ₈ @ 0.09
Inferred:	15.9 M lbs U ₃ O ₈ @ 0.08

- Westmoreland is one of the largest undeveloped uranium deposits in Australia and only one in a handful in the world not under control of a major mining company
- Westmoreland is intended to be an open cut operation from multiple shallow pits allowing cost effective and best practice in-pit tailings disposal
- High uranium recovery of > 95% using conventional acid leaching and ion exchange technology to produce around 3.5 to 4 million pounds per annum
- Located in a world-class mining province with favourable infrastructure near the now-closed Century Zinc Mine



Mining Method
Open pit mining



Rate of Throughput
2 Mtpa



Mine Life
13 years



LOM Operating Cost:

Per tonne	US \$39.70
Per lb.	US \$23.30



**IRR / NPV (10%) Post Tax,
U Selling Price \$65 USD/lb:**

NPV	US \$400
IRR	35.8%



Capex (2015)
US \$316 M



Project Payback
2.5 years



Westmoreland

Current Exploration Activities on Identified Anomalies



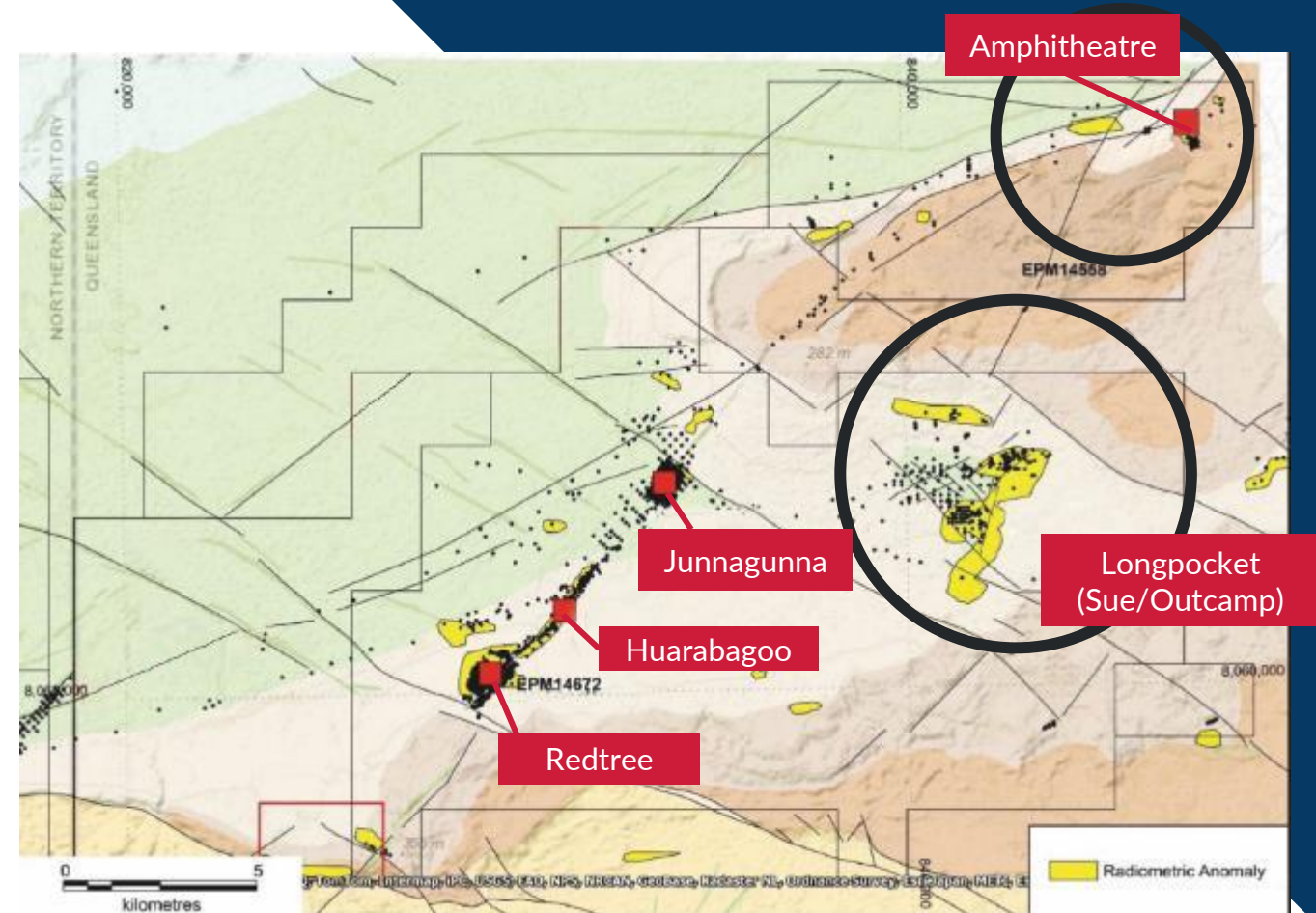
Drill program completed in July 2022 at Amphitheatre

- Target is located ~16.5 km NE of Junnagunna deposit and expresses a radiometric anomaly
- Was a subject of historical exploration in the 1970s
- Considered a prime walk-up exploration target
- Potential to be a satellite deposit to Westmoreland
- Assay results pending



Further plans for 2022 include a drill program at another satellite deposit called Longpocket (Sue/Outcamp)

- Some limited drilling took place in 2010 and again in 2012 but was never included in the overall resource at Westmoreland.
- This drill program is likely to commence in Q3/2022.



Murphy Project

Consolidating the Region

- **Strategic acquisition** to control most of the large mineralised system along the Westmoreland trend.
- **The Murphy Uranium Province produced high-grade uranium** during the 1950s; and has not seen any meaningful exploration activity since the 1970s.
- **Initially JVed from Rio Tinto Exploration 2011.** Acquisition completed in 2017.
- **Northern Territory is supportive of uranium development and mining** and hosts several well-known deposits including the Ranger Mine which has produced in excess of 120,000 tonnes of U_3O_8 over a 35-year period.
- **Also interestingly, anomalous gold has been identified.** Gold mineralisation is known to occur in the region.



Murphy Project Exploration Plans

Laramide has identified a number of specific, untested structural targets that the company considers favourable for more Westmoreland style uranium mineralisation

Exploration has consisted of airborne magnetics and radiometric surveys; as well as ground follow up of radiometric anomalies

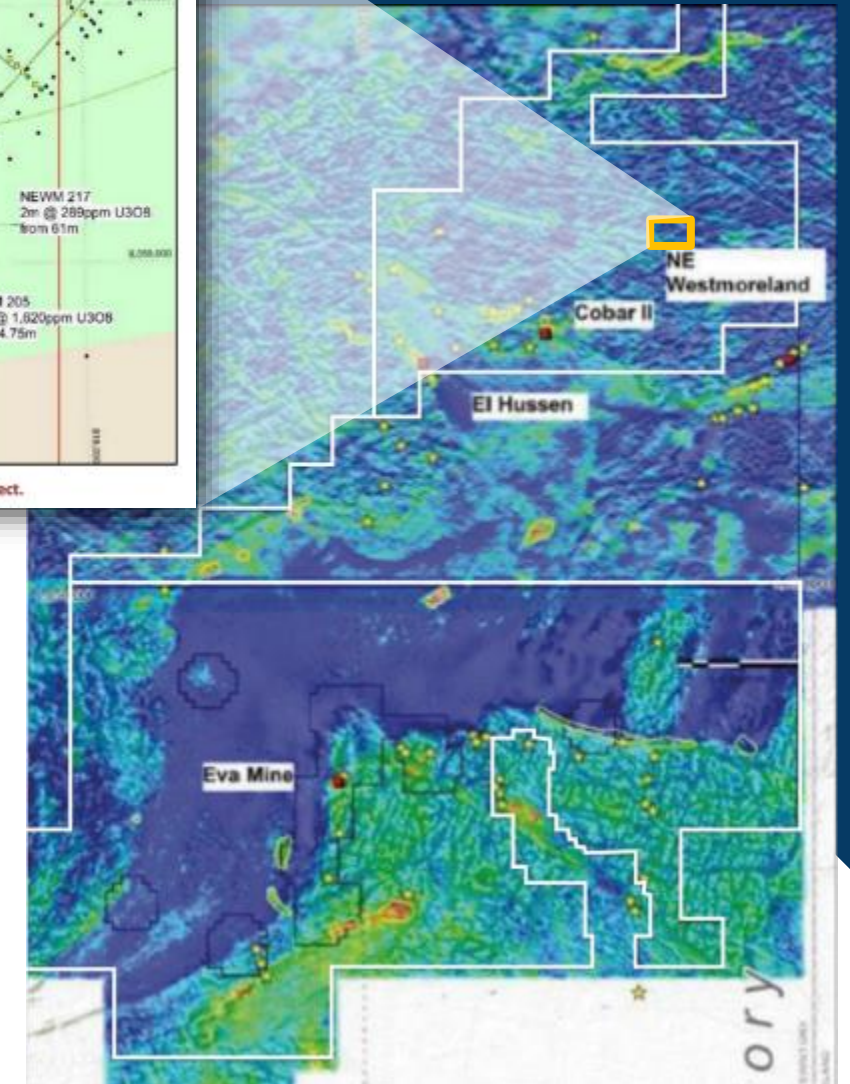
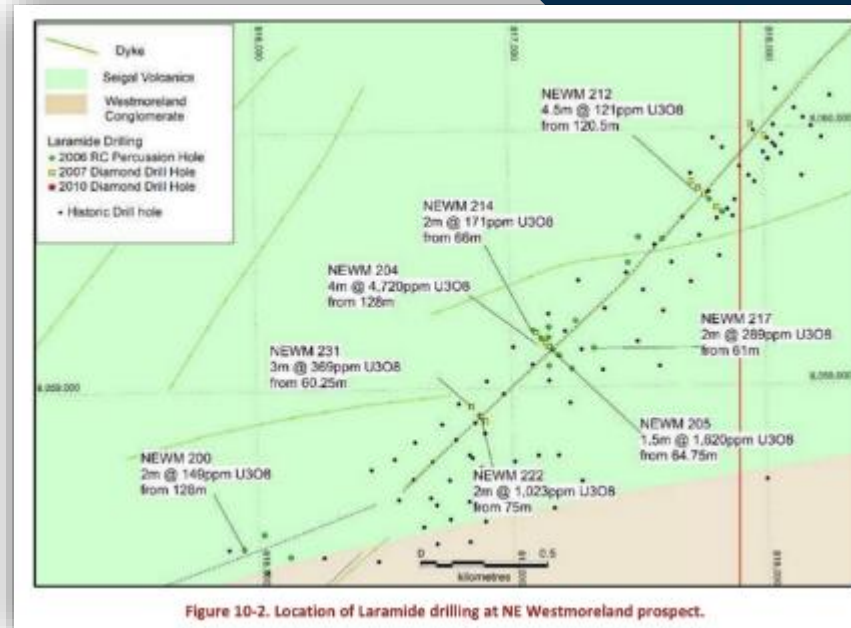
Drill result highlights from NE Westmoreland:

4m @ 4720 ppm

2m @ 1022 ppm

1.5 @ 1620 ppm

A 2022 drill program is expected to commence in late Q3 2022



Value Drivers

Continuing Uranium price recovery and initiation of meaningful utility contracting cycle

Completion of initial Churchrock PEA

Results from current drill program at Westmoreland

Initiation of meaningful exploration, including initial drilling, at the Murphy Project, Northern Territory, Australia



Management Team



Marc Henderson

Director, President & CEO

Laramide President and Chief Executive Officer since 1995; +25 years of experience operating successful public mineral exploration companies. Chartered Financial Analyst and serial entrepreneur including former president and CEO, Aquiline Resources Inc.; MineFinders (President). Economics degree from University of Colorado.



Lloyd Jones

General Manager, Australia

More than 30 years experience working within the private and government sectors. Leads Australian subsidiaries, strategic development and project deployment in Queensland and the Northern Territory.



David Thomas

General Manager, U.S. Operations

Senior executive and engineer +30 years of leadership in resource development industries, including in construction and commissioning of major mining operations. Mr. Thomas has played a vital role in acquiring international business, developing operating procedures and systems, and executing multi billion-dollar projects in the USA and abroad.



Dennis Gibson

Chief Financial Officer (CPA, CGA)

Dennis Gibson has been Laramide's CFO since 2006. He has held senior financial positions for past 30 years, including with Aquiline Resources Inc., Treasury Metals and Forrester Metals Inc.



Board of Directors

John Booth

Non-executive Chairman

Member of the Compensation and Nominating & Governance (Chair) Committees. Qualified lawyer (Ontario, NY & DC). 25+ years of experience as investment banker, broker and fund manager in global capital markets. He holds a BSc. (Hons) in Biology and Environmental Science from the University of Guelph, LLB & JD from the joint International law program at the Universities of Windsor and Detroit and LLM in international finance, tax and environmental law from Kings College London.

Marc Henderson

Director, President & CEO

Mr. Henderson has been President & CEO of Laramide since 1995. Chartered Financial Analyst with +25 years of experience at the helm of public mining companies including former president and CEO of Aquiline Resources Inc.; MineFinders (president). Former Chairman and Audit Committee Chairperson for Treasury Metals Inc. Economics degree from University of Colorado.

Jacqueline Allison

Independent Director

Member of the Audit, Compensation and Nominating & Governance Committees. Past Chair of the Management and Economics Society of the Canadian Institute of Mining, Metallurgy and Petroleum (CIM). Ms. Allison holds a PhD in Mineral Economics, a Professional Geoscientist (Ontario) designation, and a CFA designation. +20 years experience at major institutions in the fields of mineral economics, financial analysis, investment management and investor relations.

Raffi Babikian

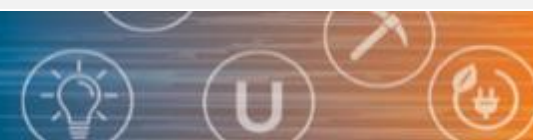
Independent Director

Member of the Audit, Compensation (Chair) and Nominating & Governance Committees. Extensive nuclear fuel cycle industry experience; corporate finance and marketing advisory services to uranium mining companies for past 12 years. Began career at AREVA SA (now Orano SA). Mr. Babikian holds a Bachelor of Engineering degree from McGill, Masters from MIT, and MBA from Collège des Ingénieurs.

Scott Patterson

Independent Director

Chairperson of the Audit Committee. President and Chief Executive Officer of FirstService Corporation. Chartered Accountant, previously at Price Waterhouse (1983-1987), as well as Bankers Trust. Mr. Patterson holds a Bachelor of Arts degree in Business Administration from the University of Western Ontario.



Corporate Snapshot

Tight market structure and clean balance sheet; Solid insider ownership

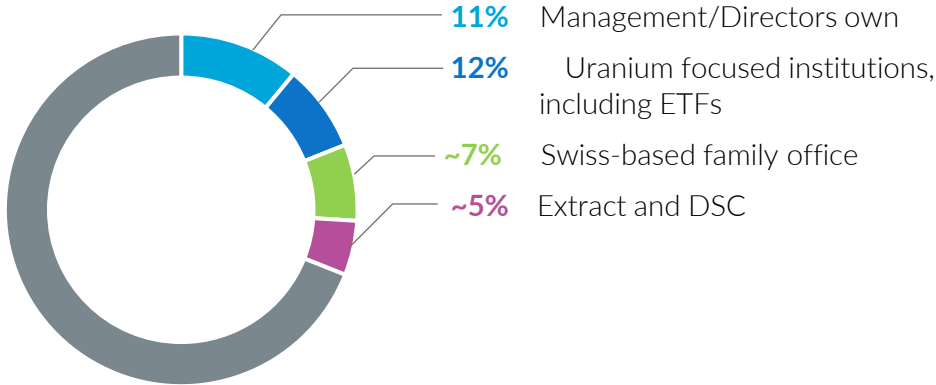
Shares on Issue ²	208M
Fully Diluted	233.5M
Market Price (CAD) ³	\$0.61
Market Cap	CAD\$126.9M
Cash & Investments ⁴	CAD\$9.7M

PUBLICLY TRADED

LAM
TSX

LAM
ASX¹

LMRXF
OTCQX



1. ASX CDIs are 1:1 into common shares and included in total Shares on Issue.
2. As at August 15, 2022.
3. As at September 9, 2022.
4. As at June 30, 2022.

Appendix

Global Mineral Resources

CURRENT RESOURCES (NI 43-101 COMPLIANT)

Project	Location	Category	Tonnes (M)	U ₃ O ₈ Grade (%)	Contained U ₃ O ₈ (M lbs)	Cut-Off U ₃ O ₈ (%)
Westmoreland	Queensland, Australia	Indicated	18.7	0.09	36.0	0.02
		Inferred	9.0	0.08	15.9	0.02
Churchrock ¹	Grants Mineral Belt, New Mexico, U.S.A.	Inferred	33.879	0.075	50.82	0.02
Crownpoint	Grants Mineral Belt, New Mexico, U.S.A.	Inferred	4.16	0.102	5.08	0.03
La Jara Mesa	Grants Mineral Belt, New Mexico, U.S.A.	Measured & Indicated	1.56	0.23	7.3	0.05

¹ Based on drill hole data available as of Sept. 30, 2017. Due to historical nature of the data, the classification is limited to Inferred. This estimate conforms with NI 43-101 and JORC. It was completed by Roscoe Postle Associates.

HISTORIC RESOURCES (NON NI 43-101 COMPLIANT)²

Project	Location	Category	Tonnes (M)	U ₃ O ₈ Grade (%)	Contained U ₃ O ₈ (M lbs)	Cut-Off U ₃ O ₈ (%)
La Jara Mesa	Grants Mineral Belt, New Mexico, U.S.A.	Proven, Indicated & Probable		0.23	4.7	
		Possible		0.23	9.0	
La Sal	Lisbon Valley, Utah U.S.A.	Possible	0.44	0.31	2.7	0.16

¹ The historical resource estimates presented above were completed prior to the implementation of NI 43-101 requirements; however, given the high quality of the historic work completed, the respective mining companies' reputations, and the production history of Homestake, the Company believes the resource estimates to be both relevant and reliable. In addition, a qualified person has not completed sufficient work to classify these historic mineral resources as current mineral resources; and the Company is not treating the historic resources as current. Hence, the historical estimates should not be relied upon.

Disclaimer

Cautionary Statement regarding Mineral Resource Estimates

This presentation uses the terms measured, indicated and inferred mineral resources as a relative measure of the level of confidence in the resource estimate. Readers are cautioned that mineral resources are not mineral reserves and that the economic viability of resources that are not mineral reserves has not been demonstrated. The mineral resource estimates disclosed in the Presentation may be materially affected by geology, environmental, permitting, legal, title, socio-political, marketing or other relevant issues. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to an indicated or measured mineral resource category, however, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration. The mineral resource estimates are classified in accordance with the Canadian Institute of Mining, Metallurgy and Petroleum's "CIM Definition Standards on Mineral Resources and Mineral Reserves" incorporated by reference into NI 43-101. Under NI 43-101, estimates of inferred mineral resources may not form the basis of feasibility or pre-feasibility studies or economic studies except for preliminary economic assessments. Readers are cautioned not to assume that further work on the stated resources will lead to mineral reserves that can be mined economically.

Technical Information in the Presentation

Unless otherwise indicated, Laramide Resources Ltd. Has prepared the technical information in this presentation, including mineral resource estimates, based on information contained in the technical reports and news releases (collectively, the "Disclosure Documents") available under the Company's profile on SEDAR at www.sedar.com. The Disclosure Documents are intended to be read as a whole, and sections should not be read or relied upon out of context. The technical information is subject to the assumptions and qualifications contained in the Disclosure Documents. For further Technical Information, refer to the following reports:

- Scoping Study for the Westmoreland Uranium Project, prepared in accordance with NI 43-101, entitled "National Instrument 43-101 Technical Report-Scoping Study" issued for use on April 20, 2016 led by independent consultants Lycopodium Minerals Pty Ltd.
- Technical Report on the Churchrock Uranium Project, McKinley County, State of New Mexico, U.S.A., prepared in accordance with NI 43-101, with an issue date of November 14, 2017, by Roscoe Postle Associates Inc.
- Technical Report on the Crownpoint Uranium Project, McKinley County, New Mexico, USA, prepared in accordance with NI 43-101, with an issue date of November 16, 2018, by Roscoe Postle Associates Inc.
- Independent Technical Report on the Murphy Project, Northern Territory, Australia, prepared in accordance with NI 43-101, with an effective date of May 20, 2020, by Mining Associates Ltd.

The technical reports are available under the Company's profile on SEDAR at www.sedar.com and on the OTCQX at www.otcmarkets.com, on the ASX at <https://www2.asx.com.au/> and on the Company's website at www.laramide.com.

Exploration Target Potential: The potential quantity and grade of the exploration targets referred to are conceptual in nature and insufficient exploration work has been completed to define a Mineral Resource. The property will require significant future exploration to advance to a resource stage and there can be no certainty that the exploration target will result in a Mineral Resource being delineated. The exploration targets are consistent with similar deposits in the area, deposit models or derived from initial drilling results.

In this presentation, we use the terms "cash operating cost" and "All-In Sustaining Cost" or "AISC". These should be considered non-IFRS financial measures as defined in applicable Canadian securities laws and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS.





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