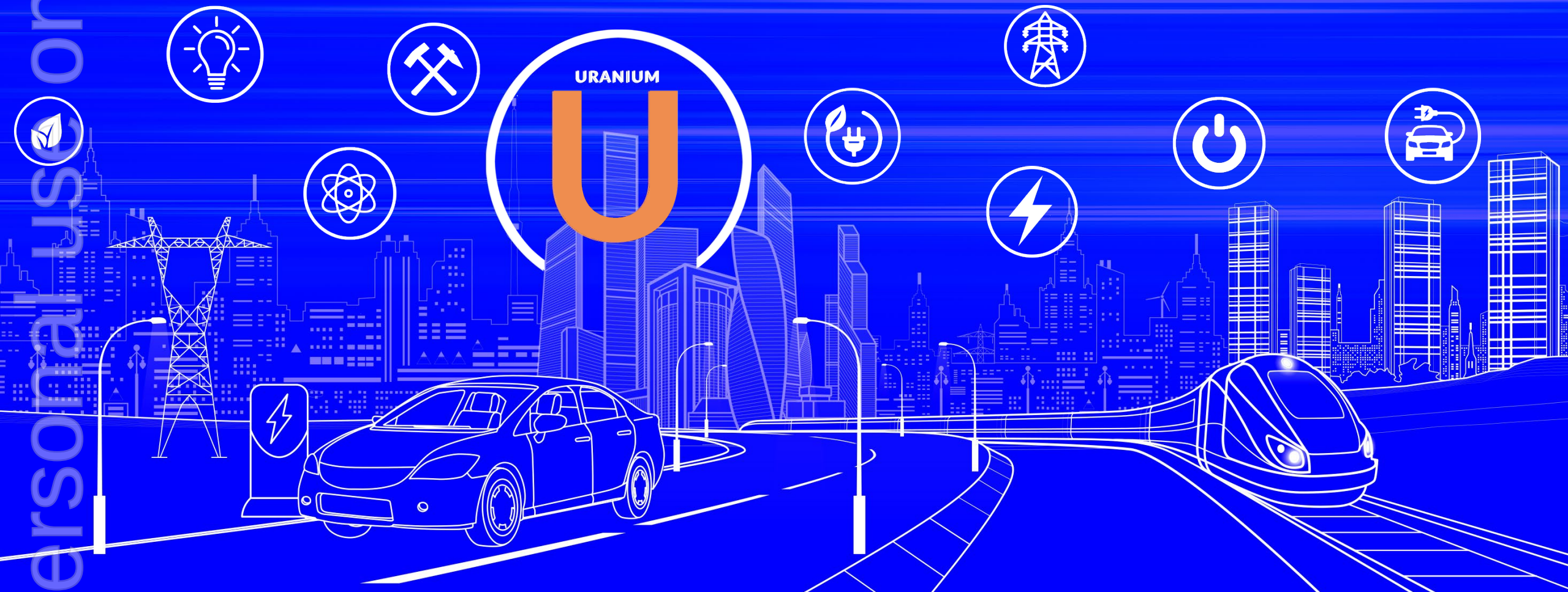
LARAMIDE
RESOURCES LTD.

Investor Update

Bell Potter “Unearthed Natural Resources Virtual Conference”
February 2023

TSX: LAM
ASX: LAM
OTCQX: LMRXF
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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QUALIFIED PERSON

Kelly Malcolm, P.Geo., an Independent Qualified Person as defined by Canadian NI 43-101 standards, has reviewed and approved the geological information reported herein. Certain information in this presentation regarding the presence of mineral deposits, as well as the grades and the size of such deposits, is based on information that has been obtained from publicly available information, industry reports, and Company data. Such reports generally state that the information contained therein has been obtained from sources believed to be reliable, but the accuracy or completeness of such information is not guaranteed. The Qualified Person has not independently verified or cannot guarantee the accuracy or completeness of that information and investors should use caution in placing reliance on such information. Results from other projects are provided for information purposes only and are not indicative of the results that may be obtained from the Company's properties.

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Moving Forward to Production

INVESTMENT HIGHLIGHTS

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

Acquired for their size and production potential ● Late-stage, low technical-risk assets



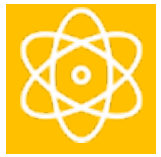
Churchrock/Crownpoint in the U.S. is a large, enviable ISR asset; with **NRC license** for production



Large, strategic land package in Australia: PEA[1] at Westmoreland describes viable and robust economics; scalable



117 million pounds uranium resources[1] across five projects



Cost profile and output scale will be attractive to global nuclear utilities; production cost profile in the **lower quartile of the cost curve**



Capitalized to achieve next critical milestones on major assets



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

[1] See Technical Information on page 28.

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Why Laramide?

Market valuation is attractive given:
the resource size, multi-asset portfolio, and stage of development

NRC license on principal U.S. asset
- One outstanding State permit required – work in progress to complete

Initial PEA underway on U.S. Project ● PEA completed on Australia Project

U.S. asset to utilize ISR methodology
- Benefits from low initial Capex, low Opex and scalability

Capitalized to achieve next critical milestones
- Clean share structure and balance sheet
- Solid position in multiple ETFs

Significant resource expansion potential in Australia including ownership of large greenfield asset



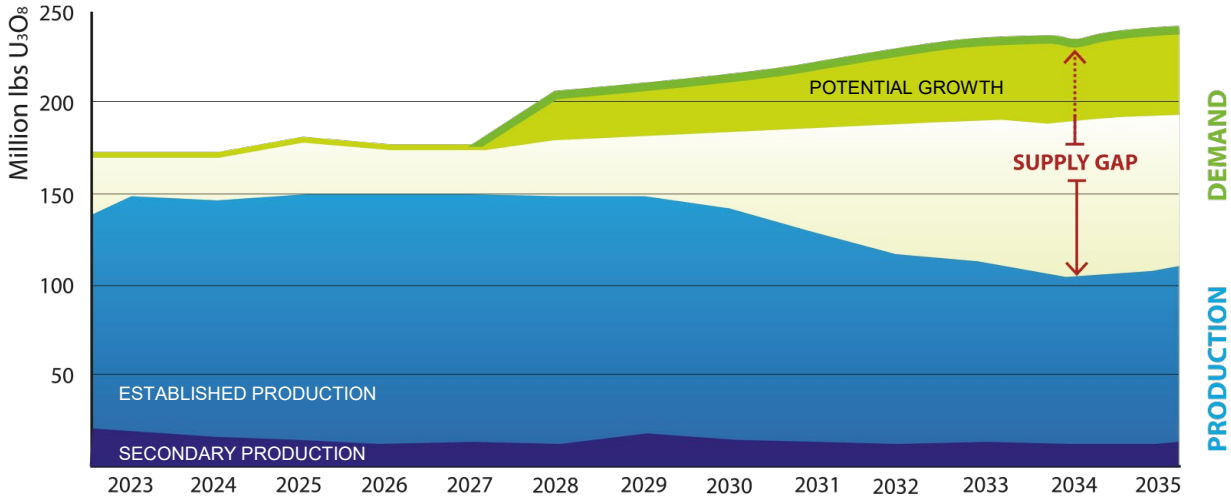
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Uranium … at a Tipping Point?

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 CO_2 goals.



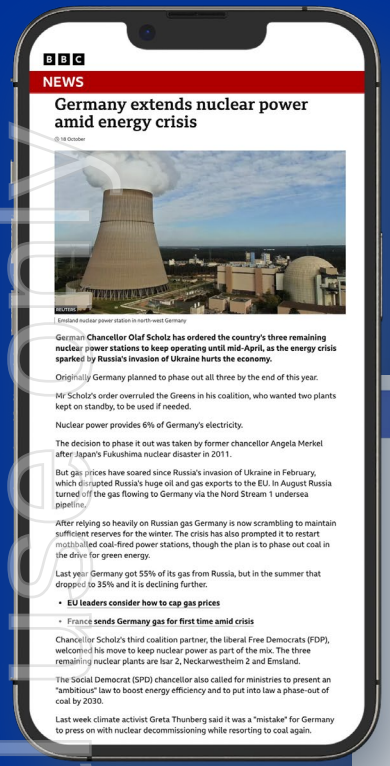
"Uranium doesn't care about recessions or interest rates or whatever it is that JPOW is doing. **Uranium only cares about supply and demand, and those two are increasingly diverging further apart.**"[1]

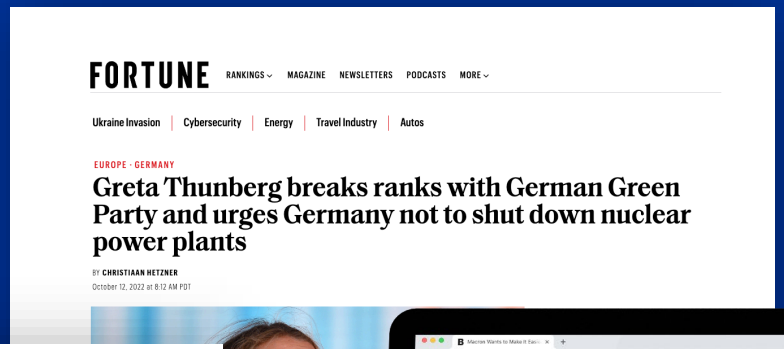
"Uranium mines typically take a long time to obtain approvals, potentially drawing out any supply shortages over the longer term and creating a baseline for structurally higher prices over the rest of the 2020s,"[2]

[1] https://adventuresincapitalism.com/2023/01/25/on-inflecting-trends/
[2] https://capital.com/uranium-price-forecast

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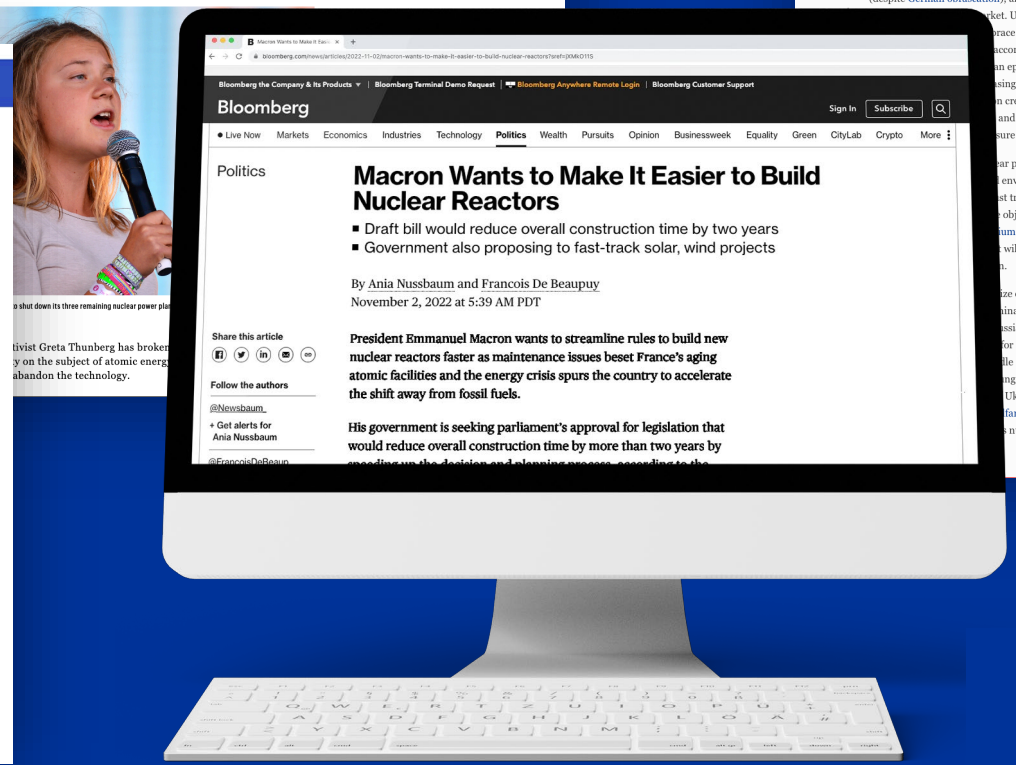
Uranium and Nuclear Energy on the World's Centre Stage

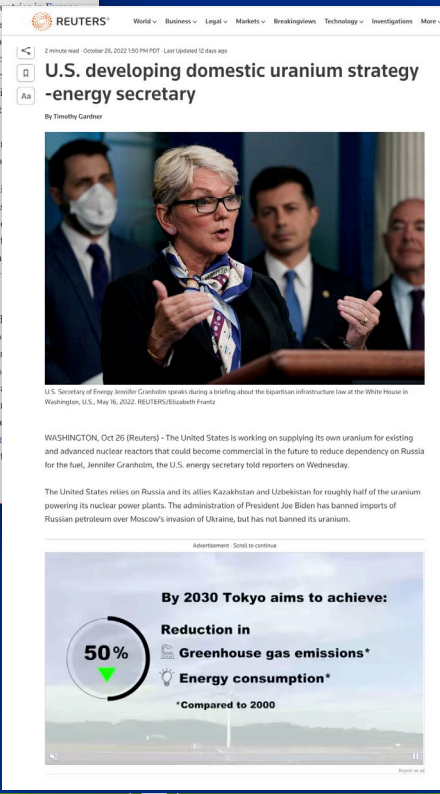












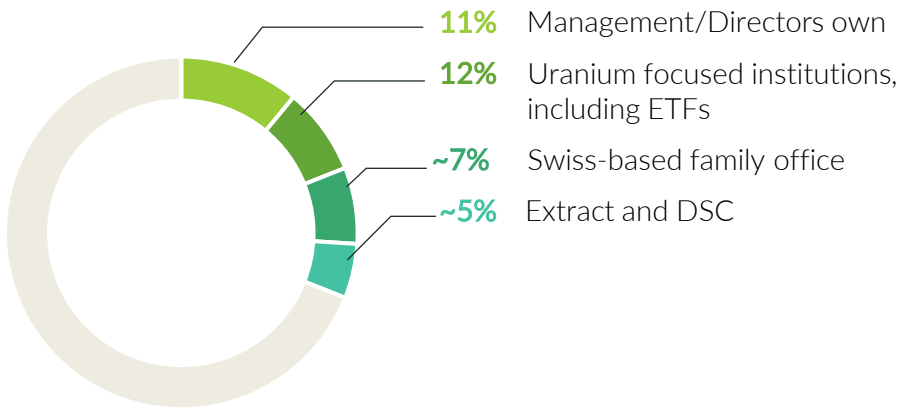
Corporate Snapshot

TSX: LAM	ASX:LAM	OTCQX:LMRXF



Shares on Issue[2]	225,404,696
Fully Diluted	237,494,696
Market Price (CAD)[3]	$0.50
Market Cap	CAD$113M
Cash & Investments[4]	CAD$9.0M

1. ASX CDIs are 1:1 into common shares and included in total Shares on Issue.
2. As at January 17, 2023.
3. As at February 1, 2023.
4. As at January 17, 2023.



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Recent Activities

Completed Drill Program at Churchrock
- Supports PEA and final requirements for key State permit

Completed Drill Program at Westmoreland (results pending)
- Will provide support for larger follow up 2023 drill program

Retained internationally accredited mining consultant, SLR, for Preliminary Economic Analysis report
- Company advisory team includes former executive from URI and former senior VP of Homestake who have deep knowledge of uranium mining in New Mexico

Entered into Indigenous Land Use Agreement (“ILUA”) with the Gangalidda & Garawa Native Title Aboriginal Corporation ("GGNTAC") in support of MDL application for the Westmoreland Uranium Project

Reactivated EIS process required for final permit for La Jara Mesa with United States Forest Services (“USFS”)

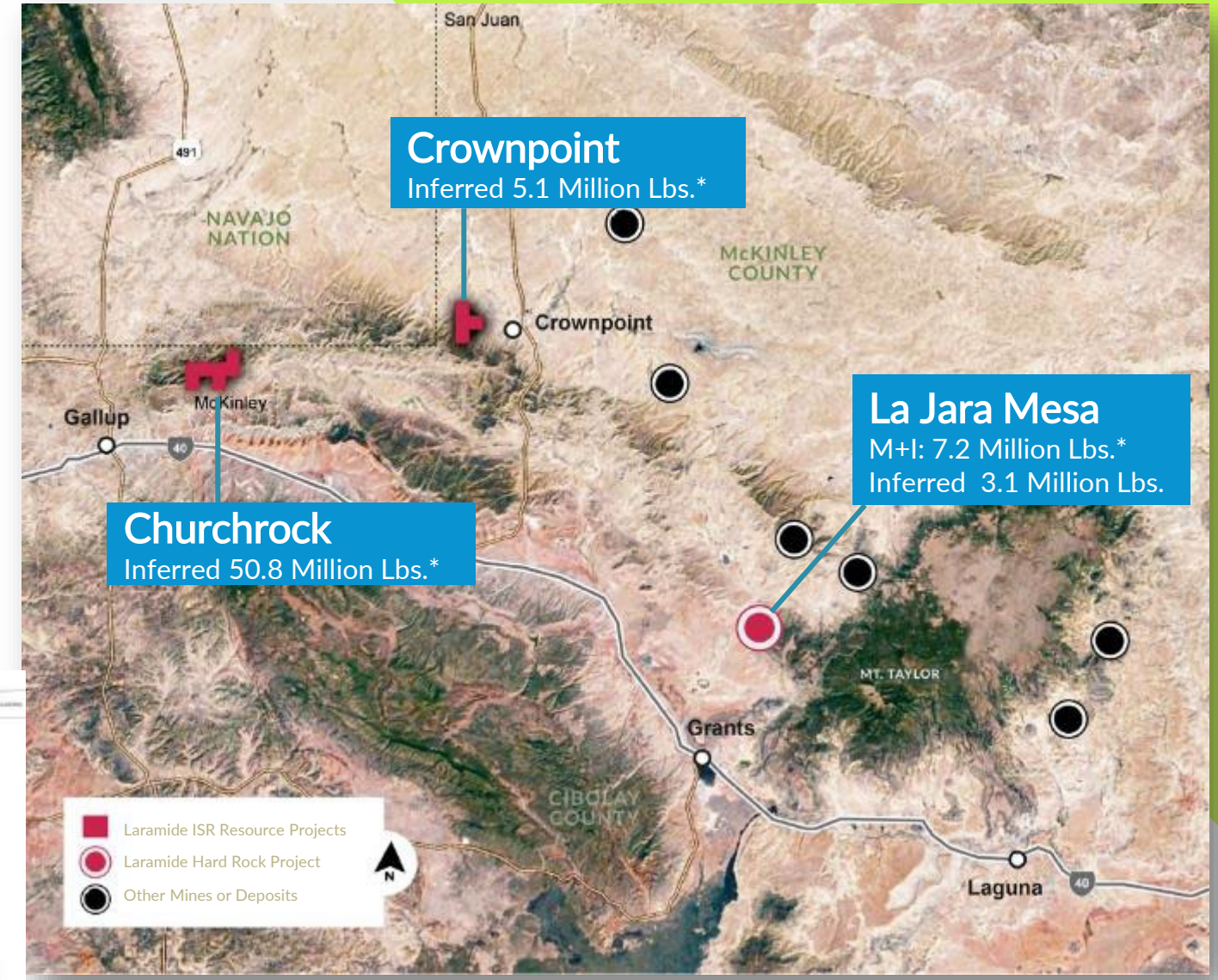






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ISR Portfolio and Hard Rock Assets in Historically Significant Grants Mineral Belt, New Mexico





*Please see Technical Information on Page 28.

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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)*

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 underway **to support the technical feasibility as well as the economic viability** of the initial phase of the production plan

One **final State permit** is required. This relates to restoration and remediation activities and was necessitated by a change in the New Mexico policy in 2015



*See Technical Information on Page 28.

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Churchrock

Project Details & Updates

- **Section 8 Feasibility Study[1] 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 commenced a confirmatory drill program in December 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;
  - Obtain physical core material in the mineralized intervals that can be used in laboratory studies to enhance the planning for in-situ recovery and restoration operations.



Illustration credit: ISR Wellfield Smith Ranch Mine (PRI/Cameco) Powder River Basin July 2005

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

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La Jara Mesa



Restarting the final stages of the EIS Process

- **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) and 3.1 Mlbs (Inferred)***
- **A Conventional Underground Mining plan** with custom or regional milling is contemplated
- The EIS process to permit the mine with the USFS was initiated but not completed in the last cycle.
- **Ideas to advance this to production include identifying neighbouring assets** for economic synergies. Advancing this smaller asset requires a robust uranium price >$70

*See Technical Information on Page 28.

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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

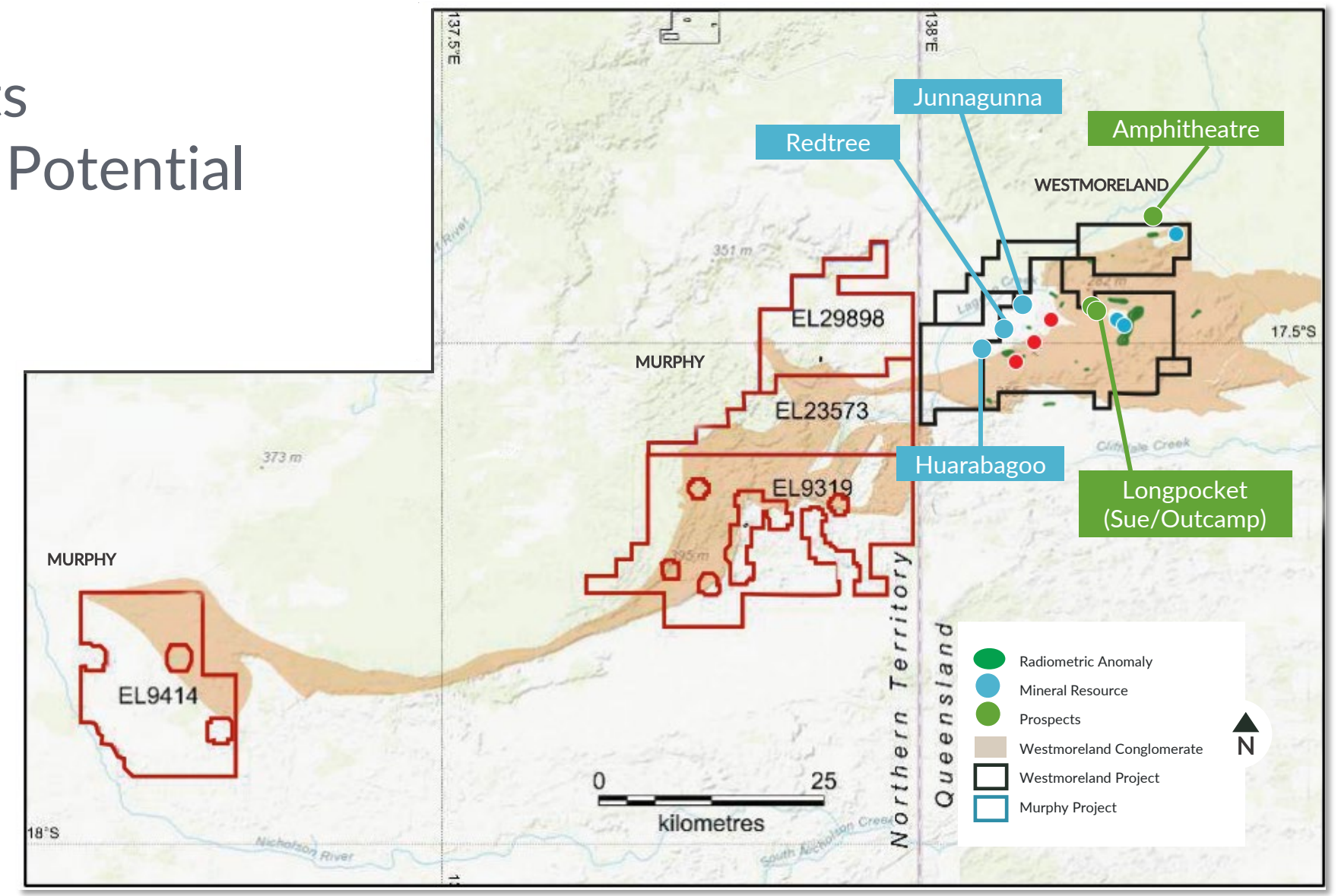




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Cornerstone Assets with District Scale Potential





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Westmoreland Uranium Project
51.9 million contained lbs U_3O_8

Simple mining – **open cut** with ore from surface

Simple metallurgy – mild acid tank leach

Strong mining history in the region



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Westmoreland

Lowest Quartile Producer

SCOPING RESOURCE: CUT-OFF 0.02% U_3O_8

Indicated:	36.0 M lbs U_3O_8 @ 0.09
Inferred:	15.9 M lbs U_3O_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
- Laramide's Westmoreland contiguous EPMs and EPMAs cover 1640 Sq. km, located 400 km NNW of Mt. Isa, a large populated centre in Queensland
- 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 (2016)
US $316 M

Project Payback
2.5 years

Please refer to description of "Scoping Study for the Westmoreland Uranium Project" on Page 28.

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Westmoreland

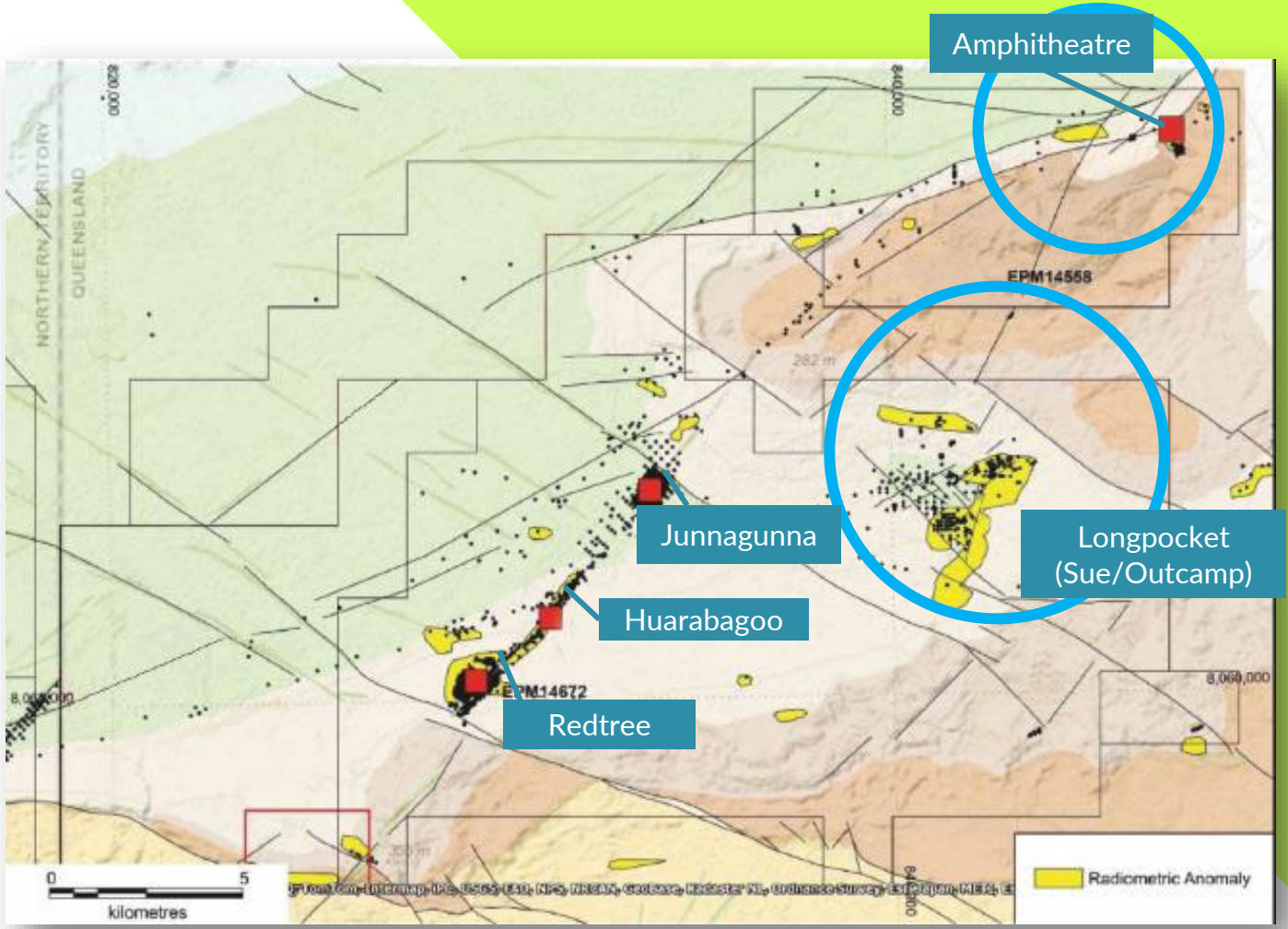
Current Exploration Activities on Identified Anomalies

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

Drill program completed in October 2022 Longpocket (Sue/Outcamp)

- Some limited drilling took place in 2010 which confirmed mineralization as shallow and 'flat-lying'
- This HQ program to extend the envelope of known mineralization to the NE
- As well includes some infill drilling to support the existing non-JORC resource estimate.



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Mineral Development Licence Application:

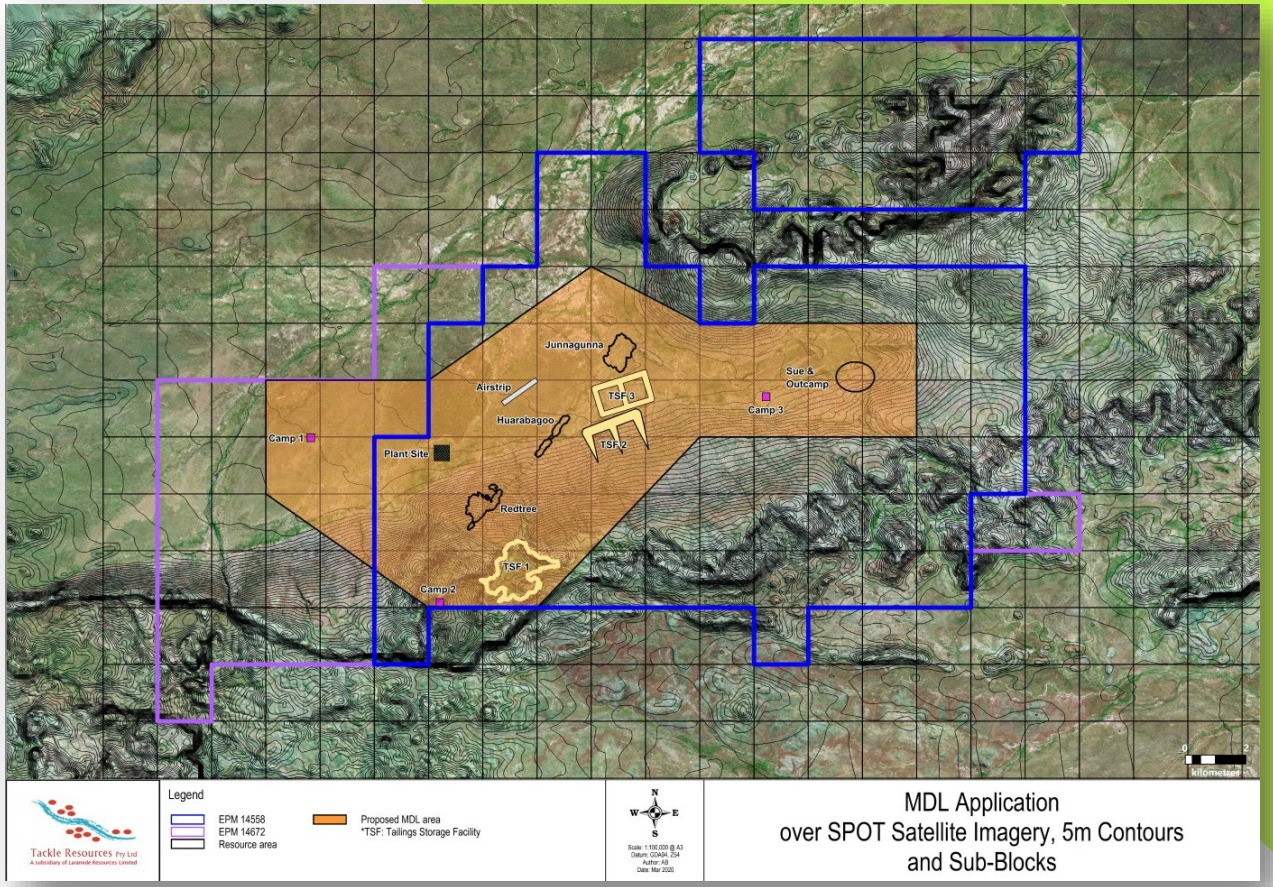
A mineral development license ("MDL") will allow Laramide to retain its interests in the exploration ground and continue to evaluate the development potential of the defined Westmoreland Project mineral resource

An MDL can be granted to holders of an exploration permit where there is a significant mineral occurrence of possible economic potential

Signals the State's acknowledgement of Laramide's project and intention to develop

MDL area to cover the identified resources at:

- Redtree
- Huarabagoo
- Junnagunna
- Longpocket



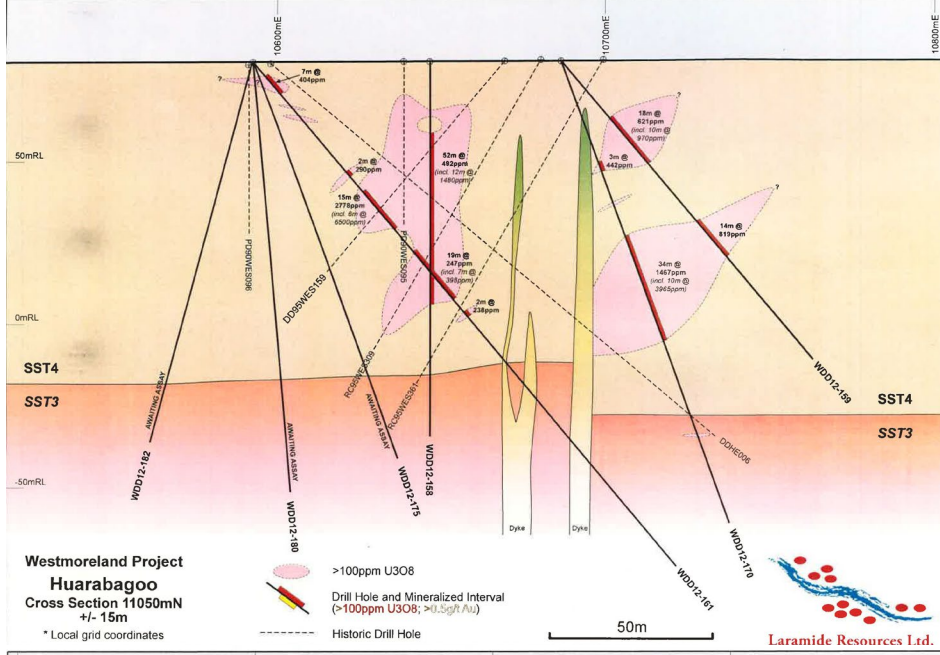
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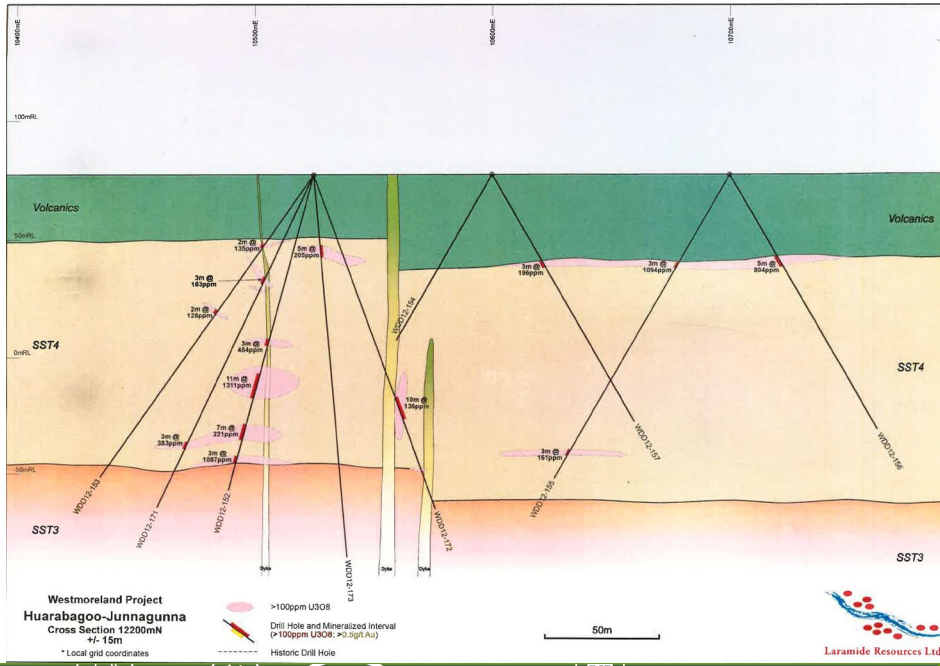
Westmoreland - Huarabagoo

Exploration Upside and Expansion Potential
2012 Drill Program Delivered Interesting Gold as well as Significant Uranium Results

- Results confirm the technical merits of Westmoreland
- Huarabagoo deposit area shows excellent potential to increase the overall size of the resource
- 34 m at 1,467 ppm U_3O_8 including 3,965 ppm U_3O_8
- 39 m at 983 ppm U_3O_8

- Huarabagoo mineralization also carries good gold grades
- 2 m at 6.1 g/t Au
- 4 m at 30.9 g/t Au





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Murphy Project

Consolidating the District

- **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
- **Anomalous gold has been identified**. Gold mineralisation is known to occur in the region



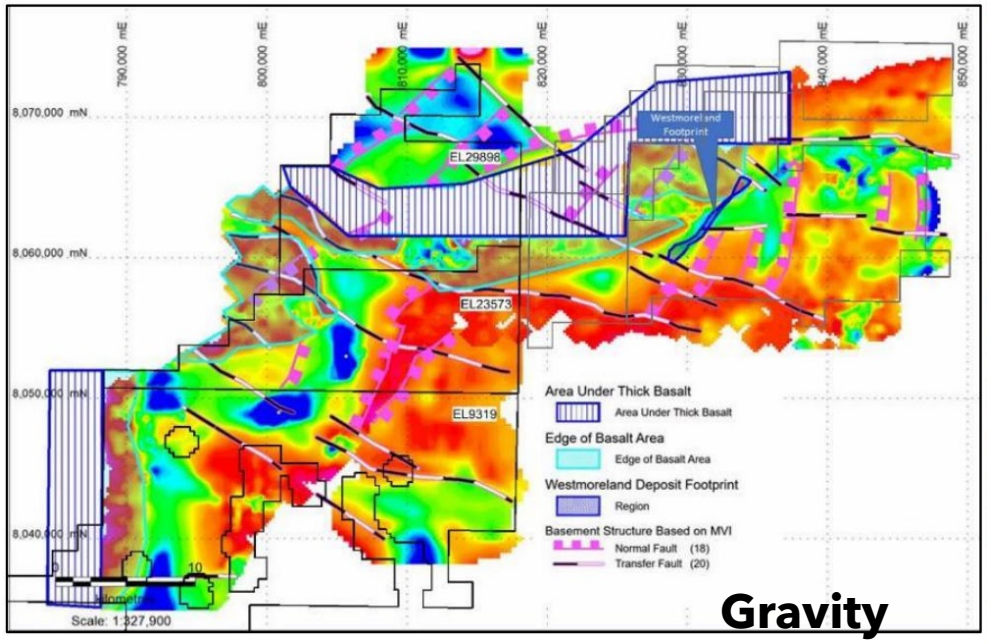
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AUSTRALIA PROJECTS

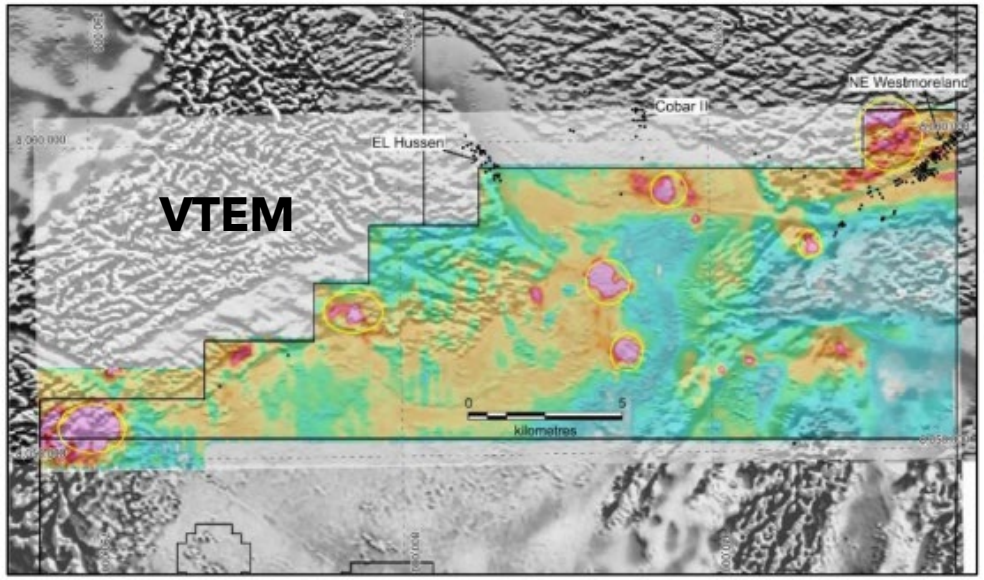
Murphy Project

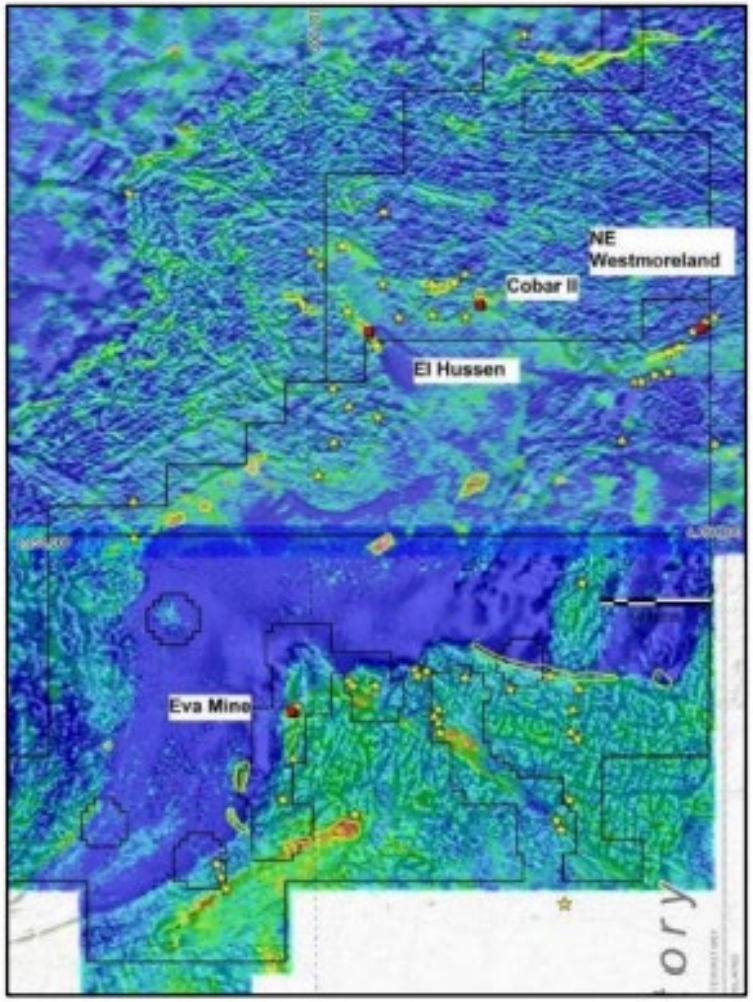
Targets identified based on extensive preliminary work completed to date.

- Extensive work completed by Rio Tinto and Laramide during JV phase
- Extensive Stream Sediment sampling
- Extensive and Gridded Soil sampling
- Geophysics work includes:
  - Radiometrics
  - VTEM
  - Magnetics
  - Gravity



Gravity





Radiometrics

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Catalysts

Uranium Price
Uptrend continues
towards
"incentive price"

Churchrock PEA

Exploration and Drill Results

Corporate M&A Activity

Visibility on potential
Production at La Sal

Final Permit
New Mexico Project

Reduce valuation discount on
Queensland Assets

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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.

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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 Directo
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.

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Global Mineral Resources

CURRENT RESOURCES (NI 43-101 COMPLIANT)[1]

Project	Location	Category	Tonnes (M)	U_3O_8 Grade (%)	Contained U_3O_8 (M lbs)	Cut-Off U_3O_8 (%)
Westmoreland	Queensland, Australia	Measured & Indicated	18.7	0.09	36.0	0.02
		Inferred	9.0	0.08	15.9	0.02
Churchrock[2]	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
		Inferred	3.2	0.20	0.7	

1. Please refer to slide 28 for description of Technical Reporting.
2. 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.

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Building a Sustainable Company

LARAMIDE PROJECT PIPELINE



CROWNPOINT
- ISR
- Inferred 5.1 mlbs @ 0.102% U_3O_8*
- NRC License

CHURCHROCK
- ISR
- Inferred 50.8 mlbs @ 0.075%*
- NRC License(s)

LA JARA MESA
- Combined Measured + Indicated 7.2 mlbs @ 0.23% U_3O_8; Inferred 3.1 mlbs @0.20% U_3O_8*
- EIS final permit process reactivated

LA SAL
60 miles from Energy Fuels' White Mesa Mill

DISCOVERY | EXPLORATION | RESOURCE ESTIMATE | PEA SCOPING STUDY | EIS | BANKABLE FEASIBILITY | MINE CONSTRUCTION PERMIT | PRODUCTION

MURPHY
- Greenfield
- Stream & reconnaissance soil sampling completed

HUARABAGOO
- Drill results include 34m at 1,467 ppm U_3O_8;
- 4m at 30.9 g/t Au

AMPHITHEATRE
HQ Drill program to explore radiometric anomaly

LONGPOCKET
HQ Drill program for infill drilling of non-JORC mineralisation

WESTMORELAND
- Indicated 36 mlbs @ 0.088% U_3O_8*
- Inferred 15.0 mlbs @ 0.080% U_3O_8*
- US$23/lb OpEx and US$268 CapEx*
- IRR (post tax) 35.8%*
- NPV(10) US$400M*



*Please see Technical Information on Page 24.

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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.
- Technical Report on La Jara Mesa Uranium Property, Cibola County, New Mexico, prepared in accordance with NI 43-101, with an effective date of August 31, 2006 and Revised July 2, 2007, by independent consultant Douglas Peters.

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.