

4 DECEMBER 2023

## **Terra Uranium to Present at the OTC Clean Energy and Precious Metals Virtual Investor Conference**

Terra Uranium Limited (ASX:T92) or (the “Company”) is pleased to provide the investor presentation that Executive Chairman, Andrew Vigar; and Mike McClelland, President Terra Uranium Canada, will present live at the OTC Clean Energy and Precious Metals Virtual Investor Conference at Dec 4th 3:00pm ET / Dec 5th 7:00am AEDT.

This will be a live, interactive online event where investors are invited to ask the company questions in real-time. If attendees are not able to join the event live on the day of the conference, an archived webcast will also be made available after the event. It is recommended that online investors pre-register and run the online system check to expedite participation and receive event updates.

**Date / Time:** Dec 4<sup>th</sup> 3:00pm New York / Dec 5<sup>th</sup> 7:00am Sydney

**Register here:** <https://bit.ly/3rOONJH>

### **Recent Company Highlights**

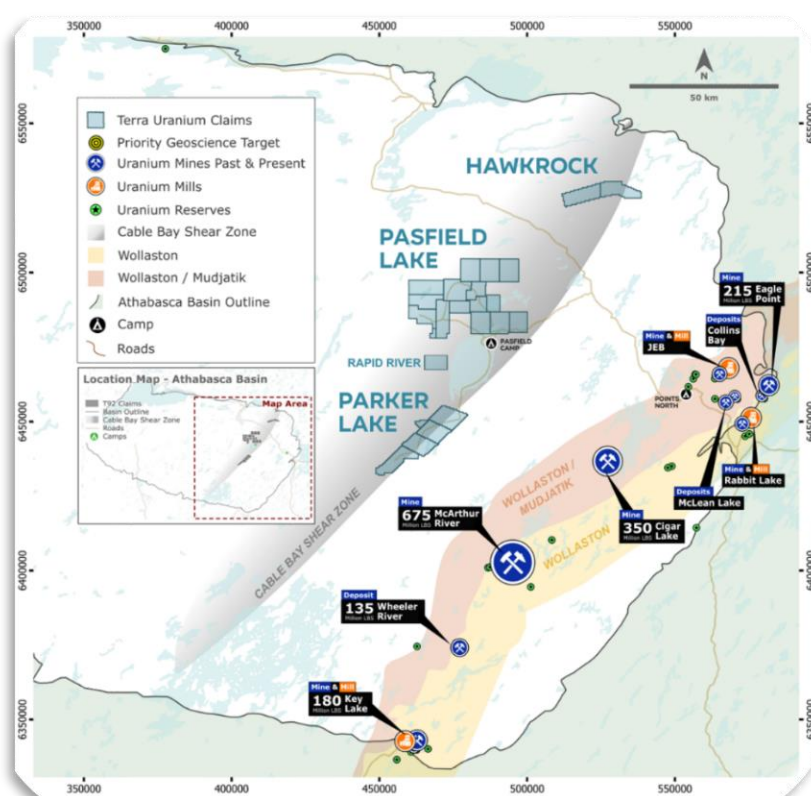
- Four 100% owned Core Uranium projects in the Athabasca Basin cover 1,008 sq km
- Projects have now been advanced from conceptual to 18 drill ready target areas
- Advancing discussions with Farm-In & Joint-Development Partners on Core Projects
- Highly experienced corporate (Australia) and technical (Canada) team

This announcement has been authorised by Andrew J Vigar, Chairman, on behalf of the Board of Directors.

### **Announcement Ends**

## About Terra Uranium

Terra Uranium Limited is a mineral exploration company strategically positioned in the Athabasca Basin, Canada, a premium uranium province hosting the world's largest and highest-grade uranium deposits. Canada is a politically stable jurisdiction with established access to global markets. Using the very best people available and leveraging our in-depth knowledge of the Basin's structures and deposits we are targeting major discoveries under cover that are close to existing production infrastructure. We have a philosophy of doing as much as possible internally and working closely with the local communities. The Company is led by a Board and Management with considerable experience in Uranium. Our dedicated exploration team is based locally in Saskatoon, Canada.



The Company holds a 100% interest in 22 Claims covering a total of 1,008 sq km forming the HawkRock, Pasfield Lake, Parker Lake and Rapid River Projects (together, the Projects), located in the Cable Bay Shear Zone (CBSZ) on the eastern side of the Athabasca Basin, north-eastern Saskatchewan, Canada. The Projects are approximately 80 km to the west/northwest of multiple operating large uranium mills, mines and known deposits.

The CBSZ is a major reactivated structural zone with known uranium mineralisation but limited exploration as the basin sediment cover is thicker than for the known deposits immediately to the east. Methods used to explore include airborne and ground

geophysics that can penetrate to this depth and outcrop and reverse circulation geochemical profiling to provide the best targets before undertaking costly core drilling.

There is good access and logistics support in this very active uranium exploration and production province. A main road passing between the HawkRock and Pasfield Lake Projects with minor road access to Pasfield Lake and the T92 operational base there. The regional prime logistics base is Points North located about 50km east of the Projects.

### For more information:

**Andrew J. Vigar**  
Executive Chairman  
[andrew@t92.com.au](mailto:andrew@t92.com.au)

**Mike McClelland**  
President & CEO Canada  
[mike@t92.com.au](mailto:mike@t92.com.au)

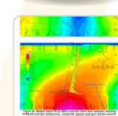
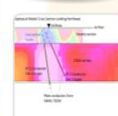
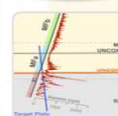
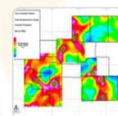
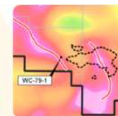
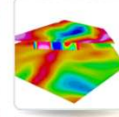
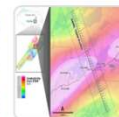
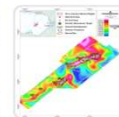
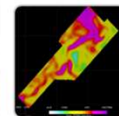
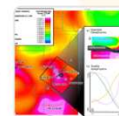
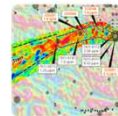
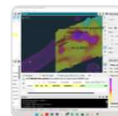
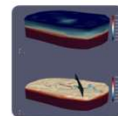
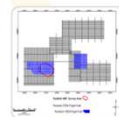
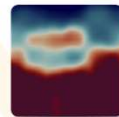
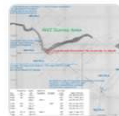
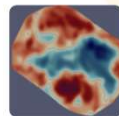
**Alex Cowie**  
Media & Investor Relations  
[alexc@nwrcommunications.com.au](mailto:alexc@nwrcommunications.com.au)

T92 TERRA URANIUM

# ADVANCING EXPLORATION

Athabasca Basin, Saskatchewan, Canada

STARTS  
HERE



Company Presentation, December 2023

## DISCLAIMER

This presentation has been prepared and issued by Terra Uranium Limited (the "Company") to inform interested parties about the Company and its progress. The material contained in this presentation sets out general background information on the Company and its activities. It does not constitute or contain an offer or invitation to subscribe for or purchase any securities in the Company nor does it constitute an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for or purchase securities in the Company will be entered into on the basis of this presentation.

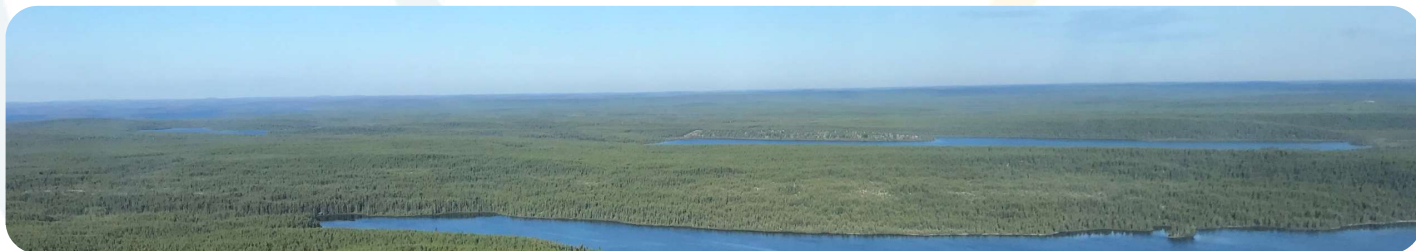
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# INVESTMENT



**Highly experienced  
team with technical and  
corporate expertise**



**Positive and  
constructive relations  
with First Nations  
groups**



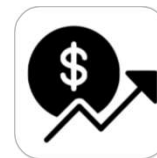
**Located in Athabasca,  
Saskatchewan, Canada:**  
Tier one jurisdiction for  
uranium exploration



**World Class uranium  
projects, with 18 new  
drill-ready target areas**



**Maiden diamond drilling  
confirmed presence  
of uranium**



**Significant value creation  
potential if prospective  
targets yield a discovery**



# WHO WE ARE

## MANAGEMENT AND STRUCTURE

### BOARD



**Andrew J Vigar**

Executive Chairman



**Doug Engdahl**

Non-Executive Director



**Dr. Kylie Prendergast**

Non-Executive Director

### MANAGEMENT TEAM



**Mike McClelland**

President Terra Canada



**Hasaka Martin**

Company Secretary



**Jules Grove**

Chief Financial Officer



**Jennifer Burgess**

Exploration Manager



**Kyle Patterson**

Geophysics Manager



**Dr. Tom Kotzer**

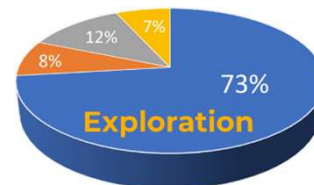
Geochemistry Manager

### STRUCTURE *(Post November CR)*

ASX Code	T92
Shares on Issue	64.6 M
Options	38.9 M
Share Price	15c
Market Capitalization	\$9.7 M
Cash Position (Q3 2023)	\$610,000
November Capital Raise <i>(Before Costs)</i>	\$700,000
Top 20 Shareholders	60%

### FY23 ACTUALS

■ Direct Exploration ■ Fund Raising ■ G&A ■ Working Capital & FTS



# WHO WE WORK WITH

## CONSTRUCTIVE STAKEHOLDER RELATIONS

- Terra Uranium Canada Limited projects are situated on Treaty 10 Territory and the Homeland of the Métis.
- We honor the terms of Treaty 10, and the ongoing legal and socioeconomic impacts on Indigenous communities.
- We respect indigenous history, and the First Nations and Métis ancestors of this place and reaffirm our respectful relationship with one another.
- Terra Uranium will take steps to ensure Indigenous communities and businesses participate fruitfully in our business and pursue a participation model that reflects our ideals as partners.



Ya' thi Néné  
LANDS AND  
RESOURCES



BLACK LAKE DENESULINE FIRST NATION



**Des Nêdhé Group**



HATCHET LAKE DENESULINE FIRST NATION



*Métis Nation*  
Saskatchewan



# WHY WE ARE HERE

## URANIUM BULL MARKET

### DEMAND INCREASING

- Growing support from governments and public as a key strategy toward net zero
- Extensions to existing plants
- Numerous new plants planned or in construction & SMR's

### SUPPLY RESTRAINED

- Supply chain challenges
- Commissioning issues
- Geopolitical problems

### INVENTORIES

- Lower inventory levels
- Cushion from surplus material has gone
- Funds have been buying uranium on spot market



Source: tradingeconomics.com

## THE ATHABASCA BASIN

### STRATEGICALLY POSITIONED

- In the world's largest and highest-grade uranium deposits in a #2 jurisdiction in the world

### TARGETING MAJOR DISCOVERIES

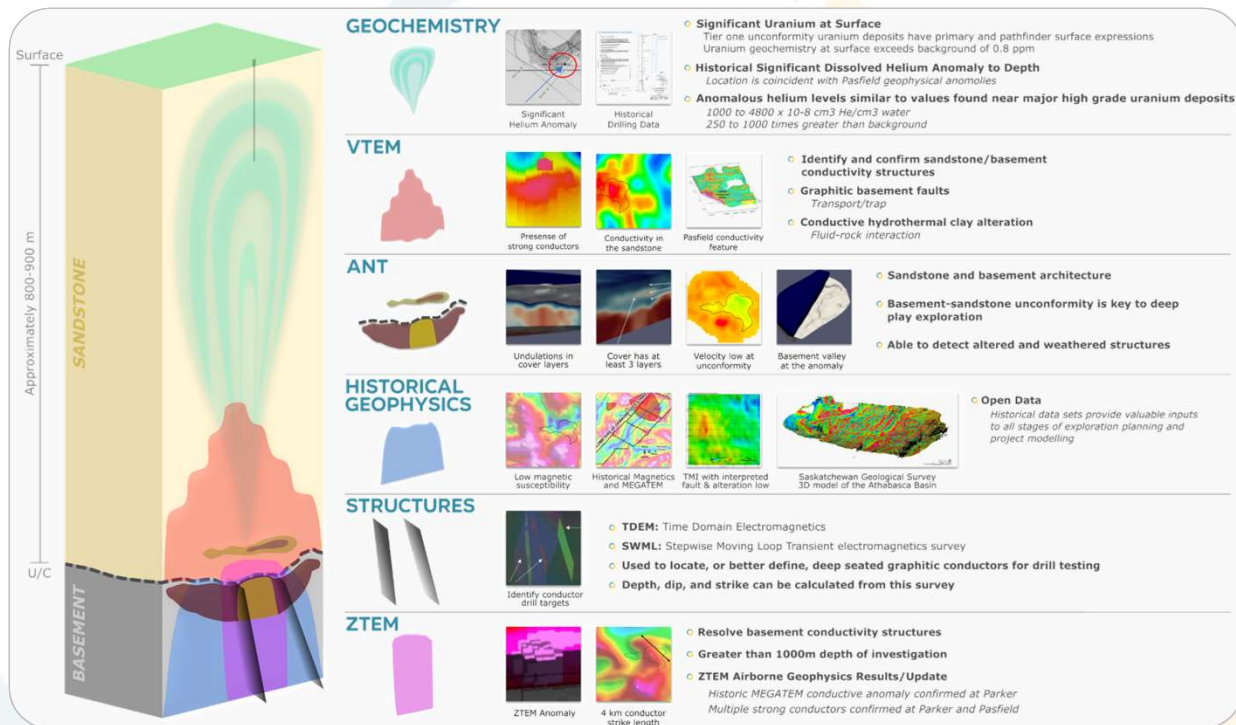
- Under cover near existing production infrastructure





# WHY WE ARE DIFFERENT

## TECHNICAL FRAMEWORK FOR TIER 1 TARGETS



# WHY WE ARE DIFFERENT

## NEW FRONTIER FOR TIER 1 TARGETS

### CABLE BAY SHEAR ZONE

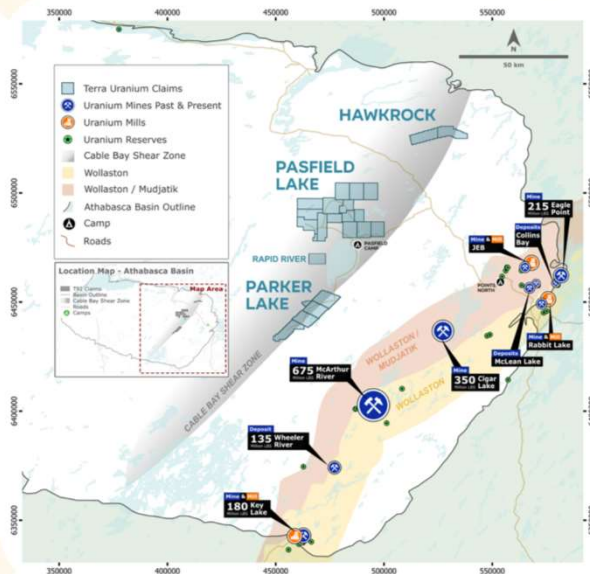
- The CBSZ is a major structural zone with known uranium mineralization but has seen limited exploration due to thicker sediment cover.

### 4 PROJECTS WITH 18 DRILL-READY TARGETS

- In the space of just one year, our HawkRock, Pasfield, Parker and Rapid River projects have been advanced from conceptual in nature to holding 18 drill-ready target areas.
- These are tier one, world class targets that will require dedication and time to test.

### JV PARTNERS FOR WINTER DRILLING

- Discussions with large JV Farm-In & Joint-Development Partners who have shown an interest to directly fund drilling on these highly prospective projects are being advanced, and we look forward to updating the market on progress and hope to be drilling this winter.



# WHERE WE HAVE BEEN

## PROGRESSIVELY DERISKING PROJECTS

4

Active  
Projects

1008

km<sup>2</sup> of  
Claims

1

DDH  
Drill Hole

29

RC  
Drill Holes

16

km<sup>2</sup> ANT  
Surveys

1600

km VTEM  
Surveys

3855

km ZTEM  
Surveys

2

EM Ground  
Surveys

1

Camp Built

100

Km of Winter  
Trails

66

GB of Data  
Collected

\$7M

Shareholder  
Investment



# WHERE WE ARE GOING

## PLANNING OUR NEXT MOVES

4

Active  
Projects

3

Years  
Proposed  
Exploration

18

Drill Ready  
Target Areas

100

km<sup>2</sup> ANT

8

EM Ground  
Surveys

24

Diamond  
Drill Holes

OTC

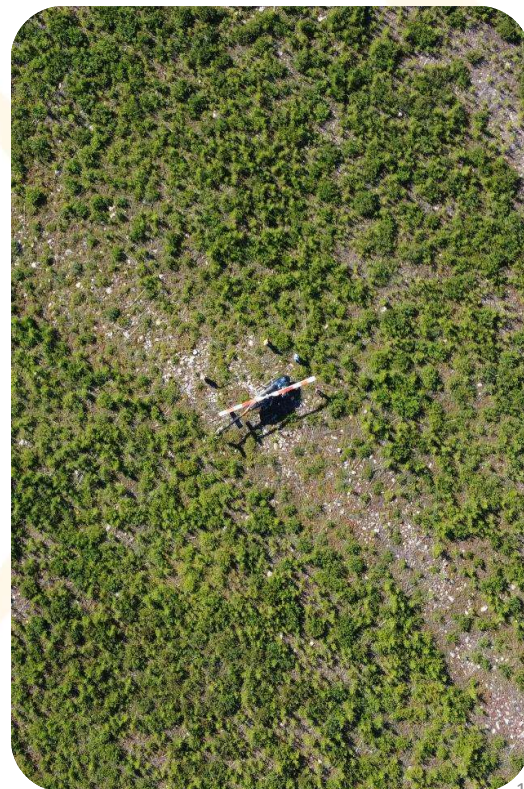
US  
Trade

3

Farm-Out  
Opportunities

2

Farm-in  
Opportunities



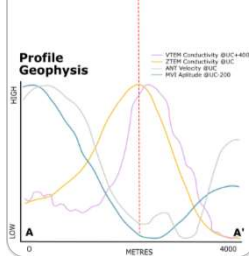
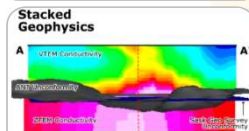
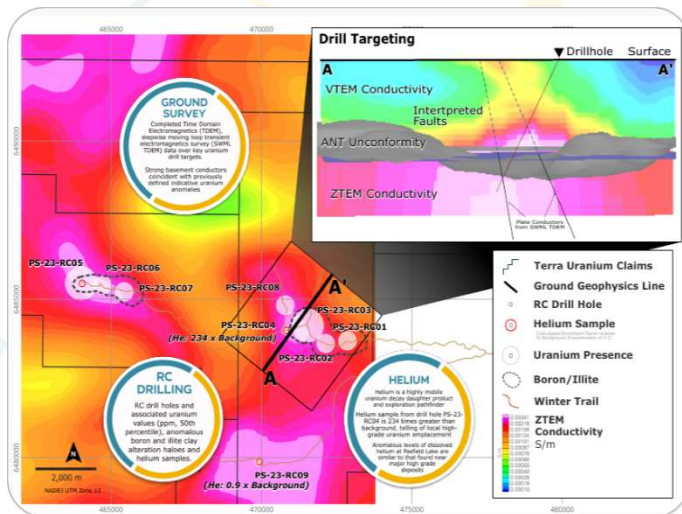
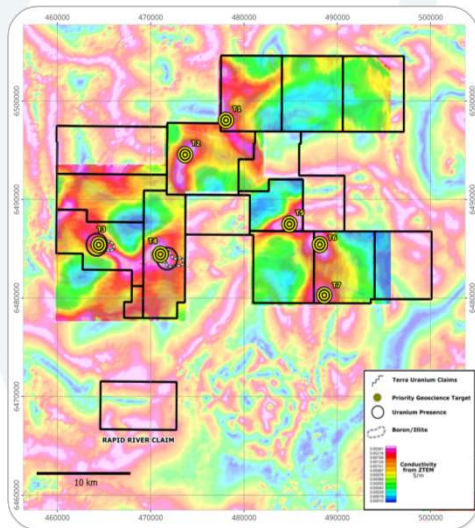


# PASFIELD LAKE

## STACKED ANOMALIES IN ELEPHANT COUNTRY

### 7 TARGETS IDENTIFIED

- Large anomalous features detected across multiple intersecting geophysical surveys
- Confirmed strong conductors coincident with historical regional survey magnetic lows
- Anomalous dissolved helium levels, similar found near major high-grade deposits



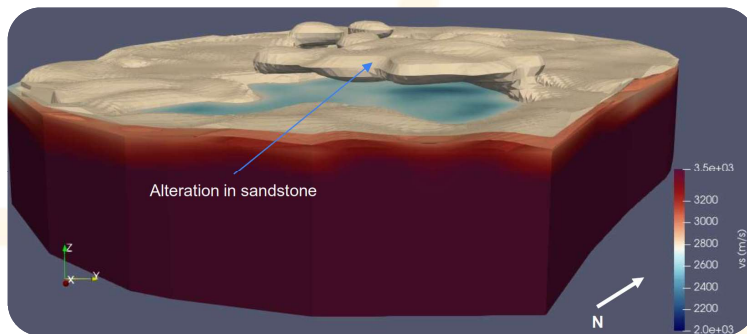
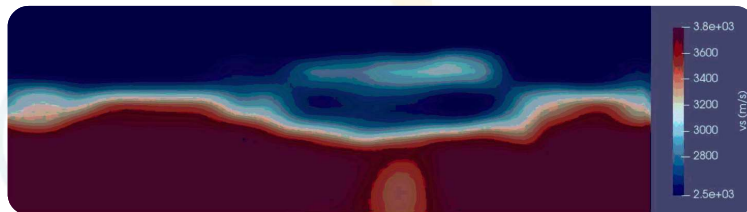
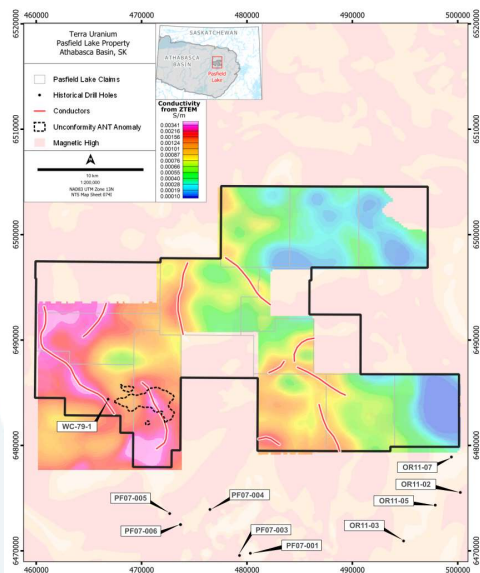
# PASFIELD LAKE

## SIGNIFICANT ANOMALY

### 7 TARGETS IDENTIFIED

- ANT survey data and modelling shows basement structure and alteration in the sandstone

T92 TERRA URANIUM  
ASX:T92



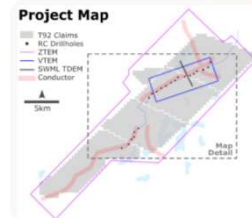
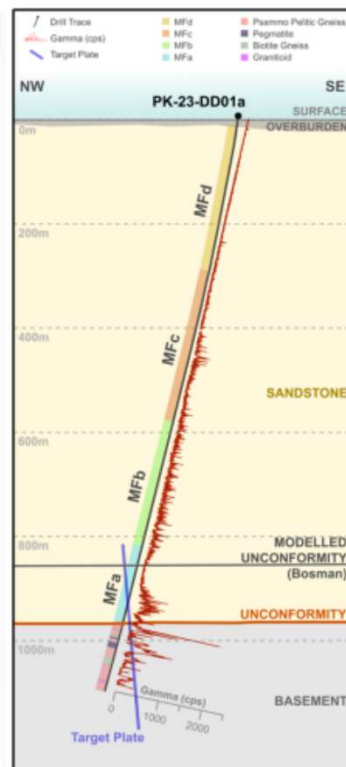
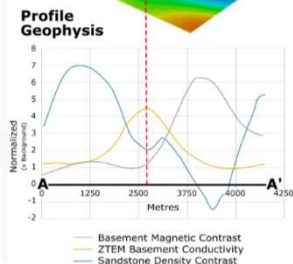
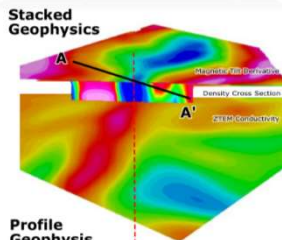
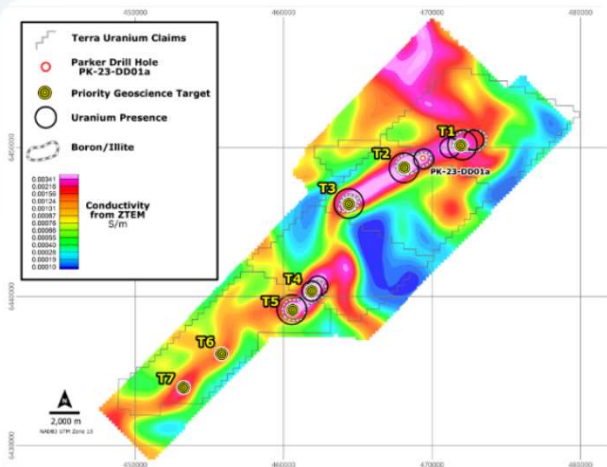


# PARKER LAKE

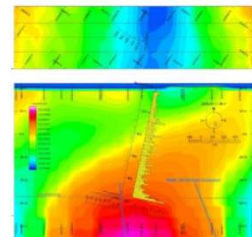
## DRILLING ALONG ON A LINEAR ANOMALY

### 7 TARGETS IDENTIFIED

- Multiple strong conductors within the Cable Bay Shear Zone
- CBSZ is a Major reactivated structural zone with limited exploration



Section Drill Hole, assays and ZTEM



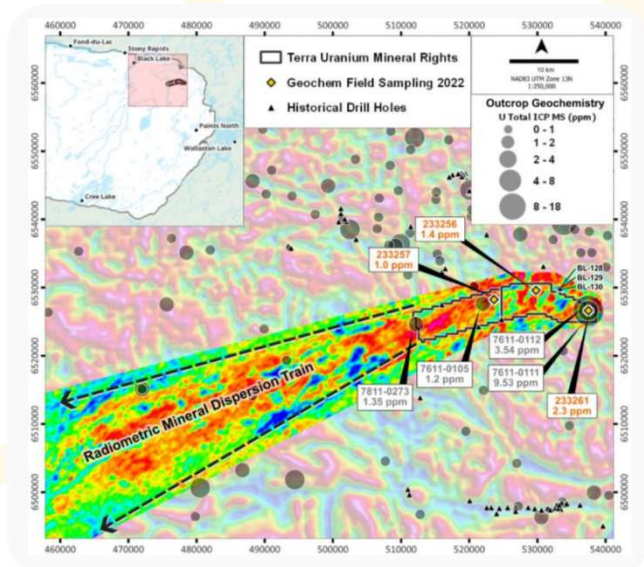
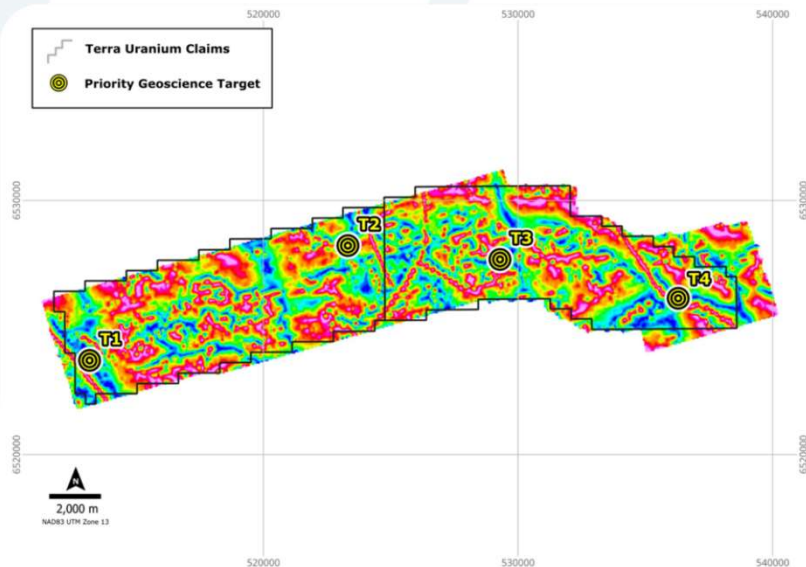
# HAWKROCK

## MULTIPLE TARGETS ON UNTESTED GROUND

### 4 TARGETS IDENTIFIED

- Early stage in the Cable Bay Shear Zone

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ASX:T92



# SUMMARY

## INVESTMENT HIGHLIGHTS

- 18 Drill Ready Target Areas
- Advancing discussions with Joint-Development Partners on Core Projects to drill this winter
- Four 100% owned Core Uranium projects in the Athabasca Basin cover 1,008 sq km
- Investment complete in groundbreaking activities, majority future funds will be drilling exclusive
- Established and industry recognized uranium explorer
- Supported by Top 20 Shareholders holding 60% of issued stock
- Ongoing evaluation of other opportunities with synergies to our Core projects and expertise
- On the cusp of company growth

# CONTACT US

## **Andrew J Vigar**

**Executive Chairman**

Email: [andrew@t92.com.au](mailto:andrew@t92.com.au)

Phone: +61 427 711 122

Website: [www.t92.com.au](http://www.t92.com.au)

## **Mike McClelland**

**President & CEO Canada**

Email: [mike@t92.com.au](mailto:mike@t92.com.au)

Phone: +1 306 717 7044

Website: [www.t92.com.au](http://www.t92.com.au)

## **Alex Cowie**

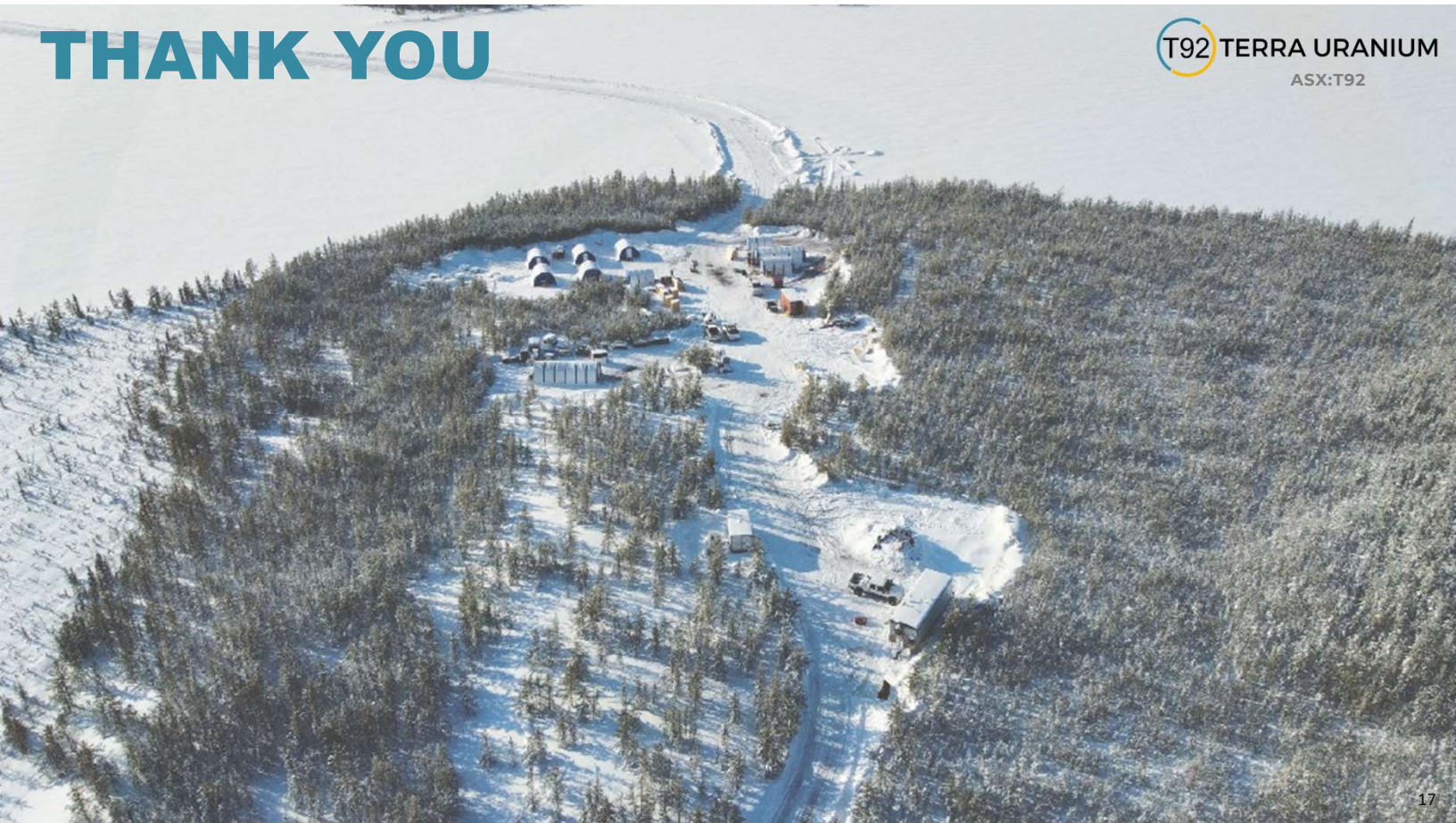
**Media & Investor Relations**

Email: [alexc@nwrcommunications.com.au](mailto:alexc@nwrcommunications.com.au)





# THANK YOU



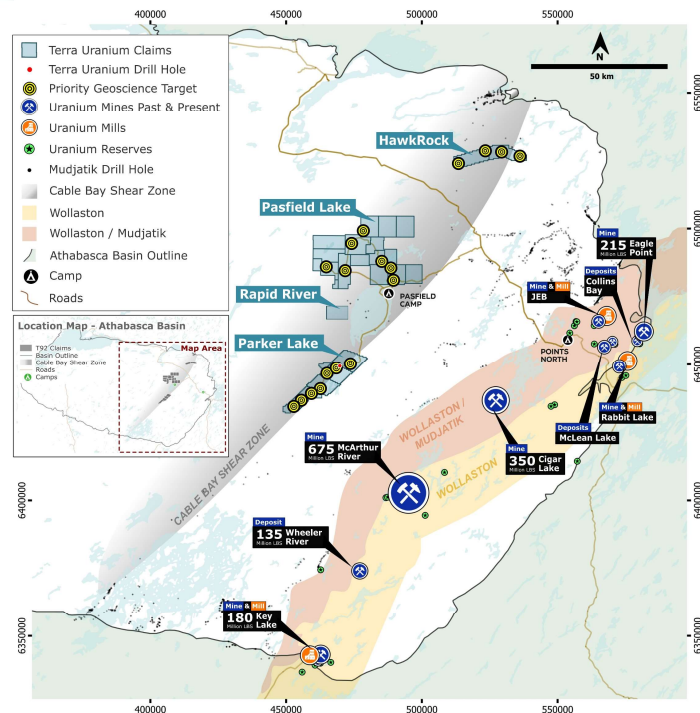
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There is good access and logistics support in this very active uranium exploration and production province. A main road passing between the HawkRock and Pasfield Lake Projects with minor road access to Pasfield Lake and the T92 operational base there. The regional prime logistics base is Points North located about 50km east of the Projects.





# THE SETTING

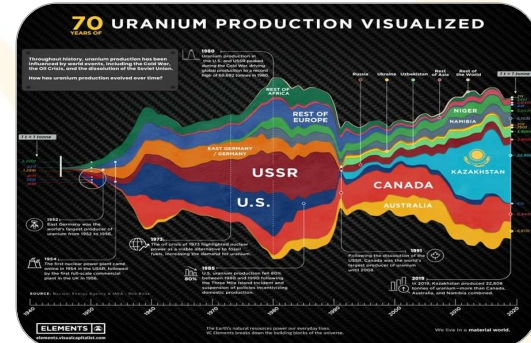
## URANIUM MARKETS AND DEPOSITS

### 70 YEARS OF GLOBAL URANIUM PRODUCTION BY COUNTRY

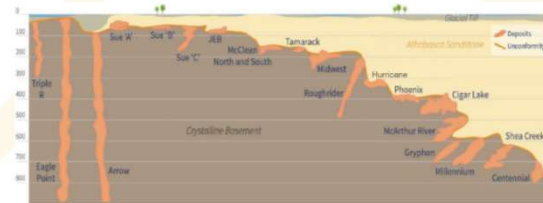
- Canada is the world's second-largest producer of uranium, putting Terra Uranium in a favourable macro environment
- Largest producer Kazakhstan impacted by Russian sanctions

### BIG THINGS HAPPEN AT DEPTH WITHIN STRUCTURAL DOMAINS

- The largest and highest grade uranium deposits in the world are at the Athabasca Basin unconformity.
- These deposits have distinctive geochemical and mineralogical signatures extending vertically hundreds of metres to surface.



Source – <https://elements.visualcapitalist.com/70-years-of-global-uranium-production-by-country/>



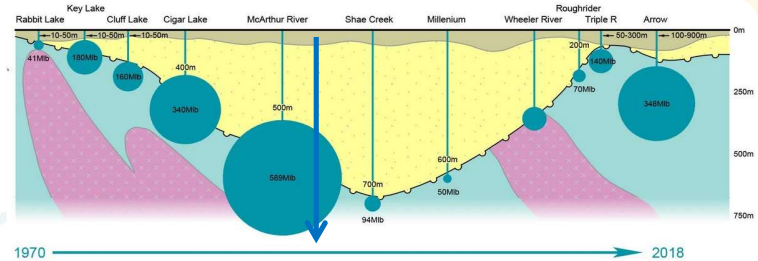
Source – ISOEnergy

# DEPOSITS

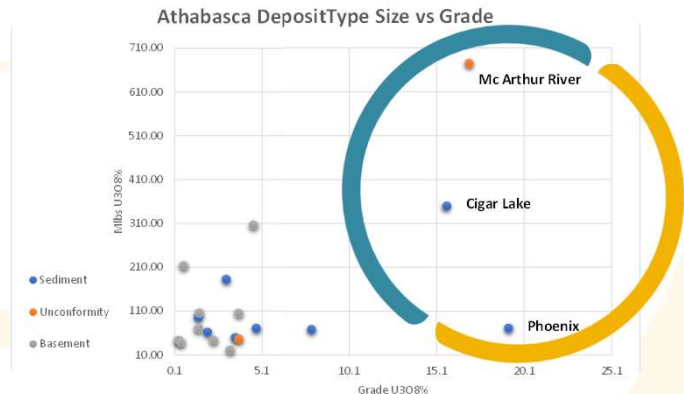
## Athabasca Basin Uranium

### BIG THINGS HAPPEN AT DEPTH WITHIN STRUCTURAL DOMAINS

- The largest and highest grade uranium deposits in the world are at the Athabasca Basin unconformity.
- These deposits have distinctive geochemical and mineralogical signatures extending vertically hundreds of metres to surface.



Source – Alligator Energy



Source – Bruce et al 2020

# VALUE WAVES

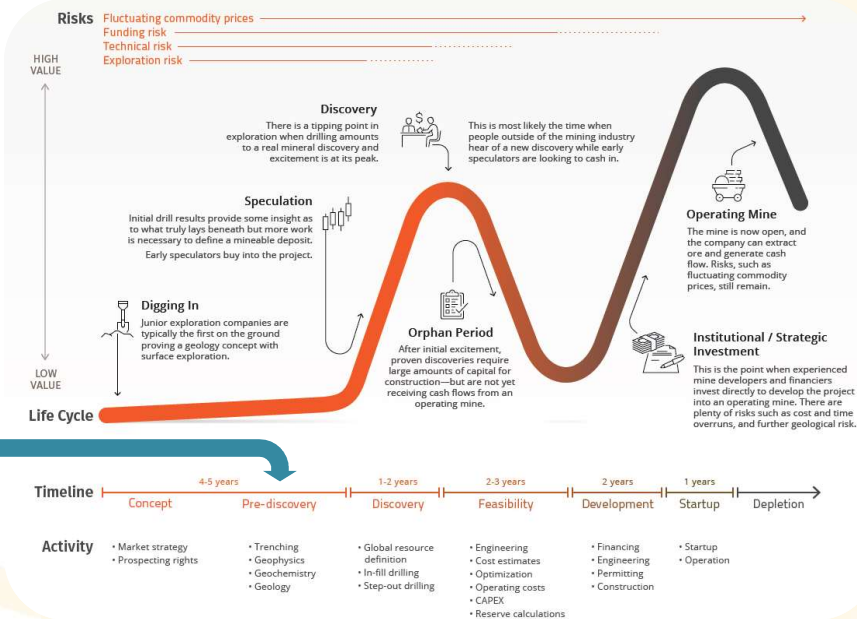
The Lassonde Curve outlines the life of mining companies from exploration to production and highlights the work and market value associated with each stage.

This helps investors understand the mining process, and time their investments properly.

**Mineral Discovery and Production Start** are the big value add steps.

**Terra Uranium is Pre-discovery**

## The Lifecycle of a Mineral Discovery



Source – <https://www.visualcapitalist.com/visualizing-the-life-cycle-of-a-mineral-discovery/>

# SOLUTION MINING

## NEW EXTRACTION METHODS IN THE BASIN

### IN SITU RECOVERY CHANGES THE GAME

- ISR makes high grade deposits at depth economically viable
- ISR meets the highest standards for environmental and social impact

#### Phoenix PFS Financial Results (100% Basis)

Mine life	10 years (6.0 million lbs U <sub>3</sub> O <sub>8</sub> per year on average)
Probable reserves <sup>(1)</sup>	59.7 million lbs U <sub>3</sub> O <sub>8</sub> (141,000 tonnes at 19.1% U <sub>3</sub> O <sub>8</sub> )
Average cash operating costs	\$4.33 (US\$3.33) per lb U <sub>3</sub> O <sub>8</sub>
Initial capital costs	\$322.5 million
Base case pre-tax IRR <sup>(2)</sup>	43.3%
Base case pre-tax NPV <sub>8%</sub> <sup>(2)</sup>	\$930.4 million
Base case price assumption	UxC spot price <sup>(3)</sup> (from –US\$29 to US\$45/lb U <sub>3</sub> O <sub>8</sub> )
Operating profit margin <sup>(4)</sup>	89.0% at US\$29/lb U <sub>3</sub> O <sub>8</sub>
All-in cost <sup>(5)</sup>	\$11.57 (US\$8.90) per lb U <sub>3</sub> O <sub>8</sub>

1. See below for additional information regarding Probable reserves;

2. NPV and IRR are calculated to the start of pre-production activities for the Phoenix operation in 2021;

3. Spot price forecast is based on "Composite Midpoint" scenario from UxC's Q3 2018 Uranium Market Outlook ("UMO") and is stated in constant (not-inflated) dollars;

4. Operating profit margin is calculated as uranium revenue less operating costs, divided by uranium revenue. Operating costs exclude all royalties, surcharges and income taxes;

5. All-in cost is estimated on a pre-tax basis and includes all project operating costs and capital costs, divided by the estimated number of pounds U<sub>3</sub>O<sub>8</sub> to be produced.

Source Dennison Mines., For further details regarding the Wheeler River project, please refer to the Dennison Company's press release dated September 24, 2018, and the technical report titled "Prefeasibility Study for the Wheeler River Uranium Project, Saskatchewan, Canada" with an effective date of September 24, 2018.

