

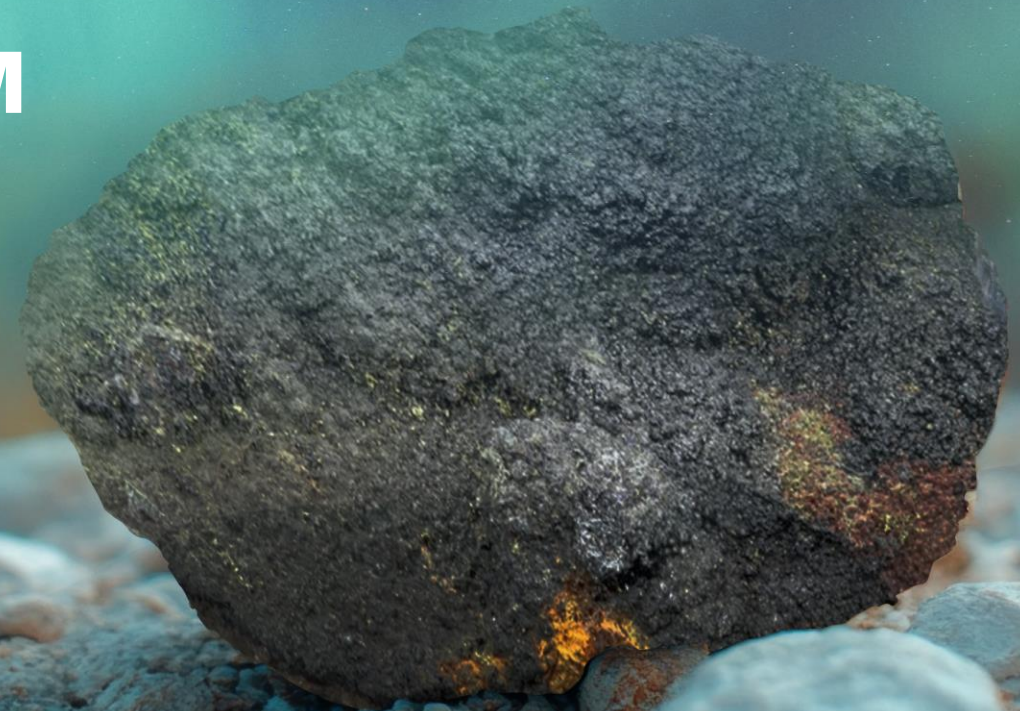


Basin
ENERGY

ASX: BSN



**EXPLORING FOR URANIUM
AND THE NEXT
GENERATION OF GREEN
ENERGY METALS**



June 2025

Disclaimer & Competent Persons Statement

basinenergy.com.au



Disclaimer

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This presentation includes certain "Forward-looking Statements". The words "forecast", "estimate", "like", "anticipate", "project", "opinion", "should", "could", "may", "target" and other similar expressions are intended to identify forward looking statements. All statements, other than statements of historical fact, included herein, including without limitation, statements regarding forecast cash flows and future expansion plans and development objectives of Basin Energy involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements, although such statements are considered by Basin Energy to have a reasonable basis as at the date of this presentation.

All figures in Australian Dollars unless stated otherwise.

Competent Persons Statement & Resource Figure Notes

The information in this announcement that relates to exploration results was first reported by the company in accordance with ASX listing rule 5.7 in the Company's prospectus dated 22nd August 2022 and announced on the ASX market platform on 30th September 2022, and in subsequent market updates. The Company confirms that it is not aware of any new information or data that materially affects the information included in the prospectus and subsequent ASX releases.

All resource figures shown within this document of deposits within the Athabasca, unless stated are quoted from the International Atomic Energy Agency (IAEA) Tecdoc 1857. Resources are global and include mined resource and all classification of remaining resource. Resource Size (U3O8) is the amount of contained uranium (in Mlbs U3O8) and average grade (in % U3O8) of the deposit/system. This number is presented without a specific cut-off grade, as the cut-off value differs from deposit to deposit and is dependent on resource calculation specifications. Discrepancies between values in this field and other values in the public domain may be due to separate cut-off values used, or updated values since the writing of this document. For system entries, the values for the size were obtained by adding the individual deposits values whereas average grade values were derived using a weighted average of the individual deposits.

Proven Board and Management



Blake Steele
Non-Executive Chairman

Blake Steele is an experienced metals and mining industry executive and director with extensive knowledge across public companies and capital markets. He was formerly President and Chief Executive Officer of Azarga Uranium Corp (Azarga), a US-focused integrated uranium exploration and development company and led Azarga into an advanced stage multi-asset business acquired by encore Energy for C\$200M in Feb 2022.



Pete Moorhouse
Managing Director

Pete Moorhouse has 19 years of mining and exploration geology experience with extensive experience in the junior uranium sector. This includes over 10 years with ASX-listed uranium explorer and developer Alligator Energy (ASX:AGE). He holds significant competencies in the evaluation, exploration, resource drilling and feasibility studies across many global uranium and resource projects.



Odile Maufrais
Exploration Manager

Odile Maufrais has over 15 years experience in the uranium exploration and mining industry in France, Niger, Canada, and Australia. She spent 10 years exploring in the eastern and western Athabasca Basin on over 15 greenfield and brownfield uranium exploration projects with ORANO, one of the largest global uranium producers. Her most recent activities comprise working as a Senior Geological Consultant for ASX and TSX.V listed uranium and lithium junior explorers.



Cory Belyk
Non-Executive Director
Geologist / CanAlaska Rep

Cory holds 30 years' experience in exploration and mining with extensive global uranium experience most recently employed by Cameco in the Athabasca Basin.



Matt O'Kane
Non-Executive Director

Matt is an experienced finance executive and company director with over 25 years' experience in the mining and mineral exploration, commodities, and automotive sectors. His roles included directorship of Azarga Uranium Corp.



Ben Donovan
Company Secretary
Corporate / Legal

Ben has over 21 years of experience in the provision of corporate advisory and company secretary services.

Investment Snapshot



Strategy – Targeting uranium and green energy metals exploration, including those critical for baseload power, and leveraging global carbon economy megatrends, with a focus on leading jurisdictions



Jurisdictions – Saskatchewan Canada, Sweden and Finland, which all continually rank within the top 20 in the Fraser Institute global mining investment attractiveness index



Systematic exploration approach - Clear exploration strategy targeting shallow mineralisation with drill ready targets



Project maturity - Leveraging extensive high-quality historical, local and commodity specific geological data assembled over decades



Focused team - Utilizing experience and knowledge of a highly experienced board and management team to identify geologically prospective, readily explorable opportunities.

Capital Structure

Share Price ⁴	\$/share	0.016
Total Shares on Issue	m	122.8
Market Capitalisation	\$m	2.2
Cash ¹	\$m	1.3
Debt	\$m	-
Enterprise Value	\$m	0.9
Unlisted Options and performance rights ²	m	21.9

¹ Cash at March Quarterly

² 5.0m options exercisable at \$0.25 to Board & Management expiring 30/09/2025.
5.3m options exercisable at \$0.25 to advisors expiring 30/09/2025.
3.0m options exercisable at \$0.25 to Founders expiring 30/09/2025.
4.0m performance rights issued to Board & Management.

9.2m options at \$0.10 expiring 15/01/2028 subject to escrow until 15/01/2027

³ 8.5m shares subject to escrow until January 2027

⁴ As at 03/06/2025

Exploring in Key Jurisdictions

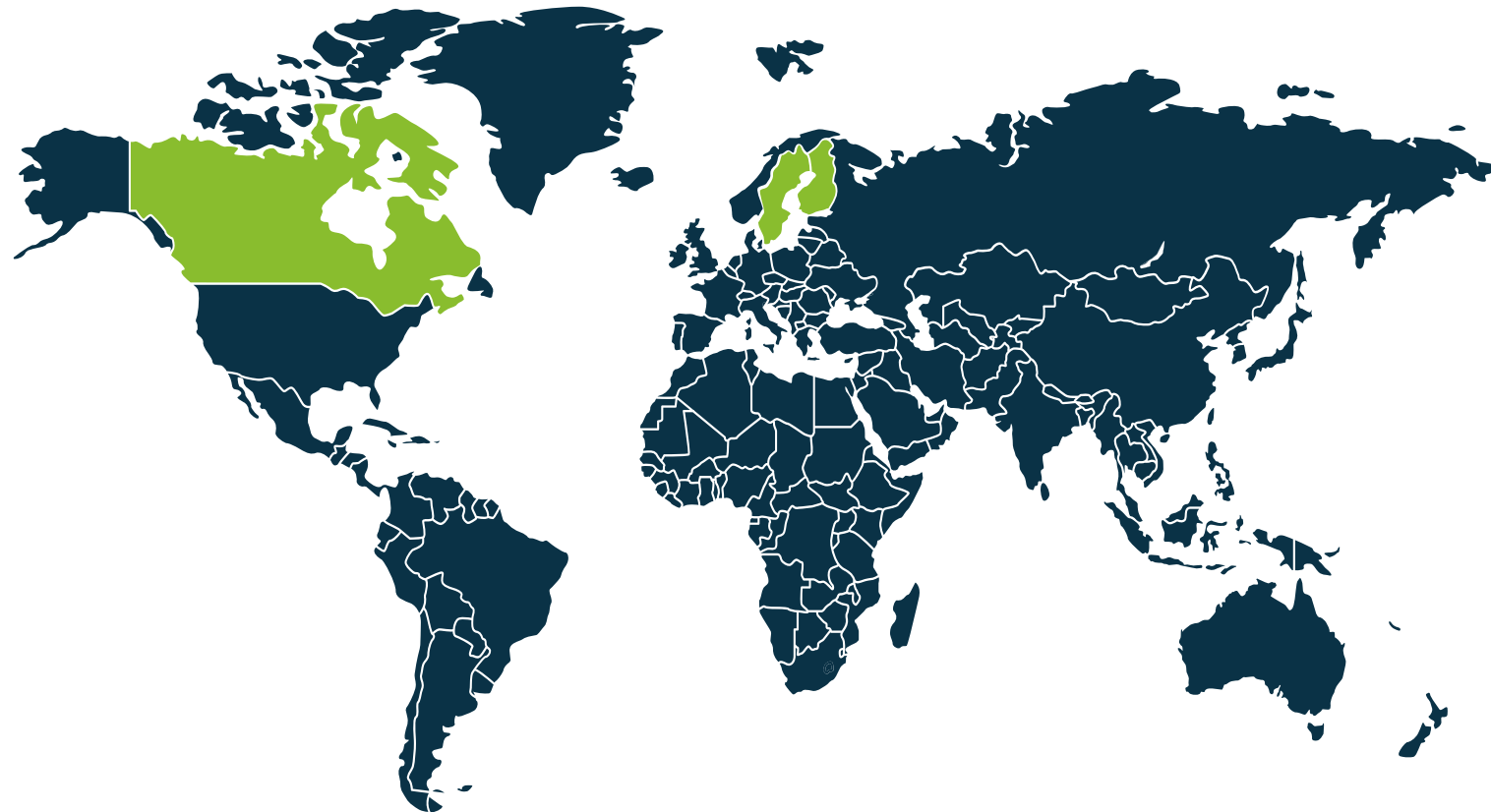
CANADA ATHABASCA BASIN

3 URANIUM projects

Basement-hosted & Unconformity
related uranium targets

SWEDEN FINLAND

**9 GREEN ENERGY METALS
projects with historical
URANIUM**

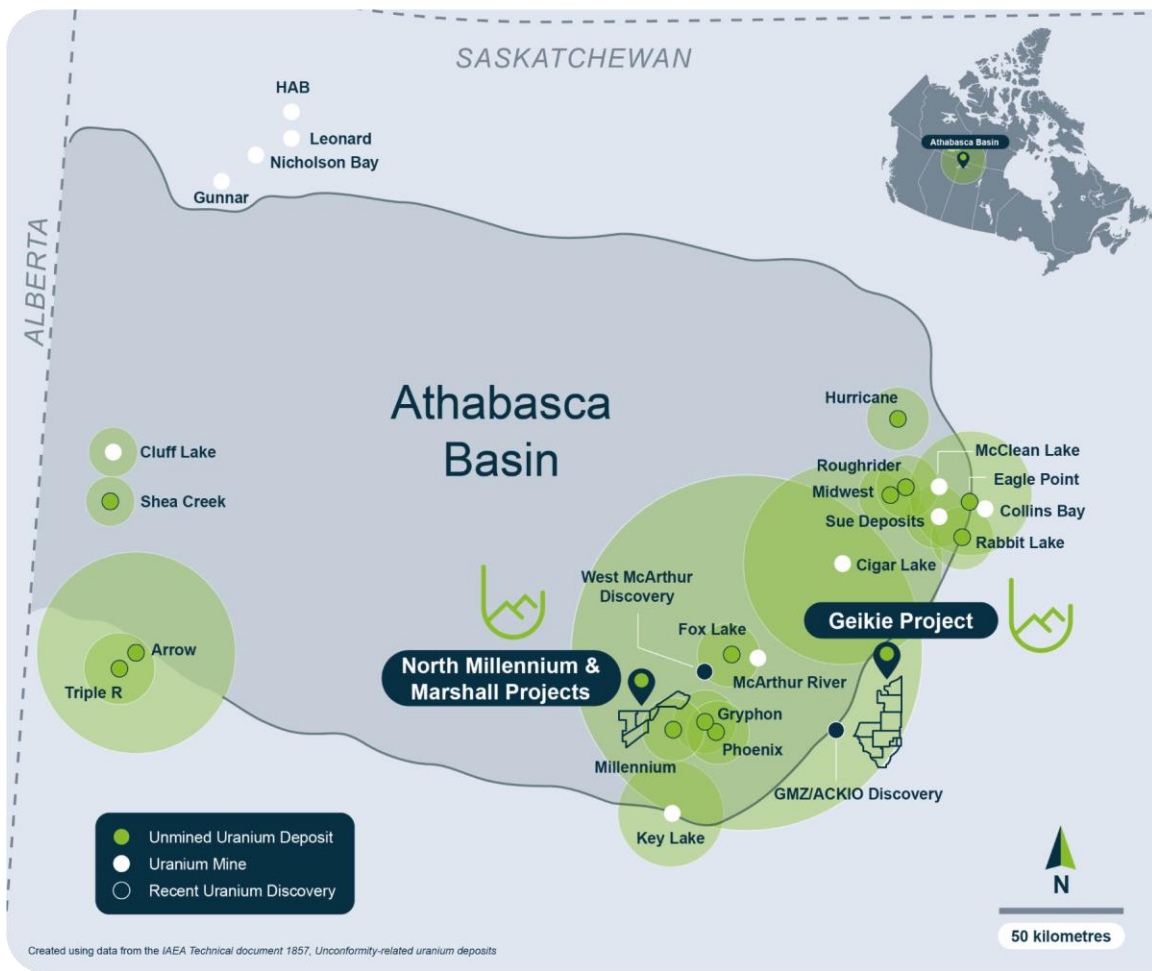




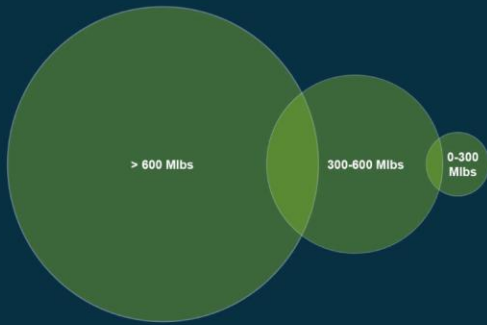
Basin Energy Athabasca **Uranium**

Pureplay Uranium in a Proven Neighborhood

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Deposit	Resource Size (U ₃ O ₈ Mlbs)	Resource Grade (%)
McArthur River	674.9	16.99
Cigar Lake	349.3	15.65
Arrow	306.1	4.62
Eagle Point	275.3	0.91
Key Lake	182.3	3.07
Triple R	135.1	1.80
Millennium	104.8	3.76
Shea Creek	95.9	1.47
Phoenix	70.9	19.23
Roughrider	70.8	4.75
Cluff Lake	70.0	1.48
Fox Lake	68.1	7.98
Midwest	49.2	3.55
Hurricane Deposit	48.6	34.5
Sue Deposits	45.9	3.75
Gryphon	43.0	2.30
Rabbit Lake	42.8	0.32



Strategically located near world-class high-grade uranium discoveries, mining and processing operations with 65 years of uranium mining history



Direct exposure to high grade uranium exploration within the world class uranium mining district of the Athabasca Basin, Saskatchewan, Canada – a top three global uranium producer for over 45 years

Source Data:
World Nuclear Performance Report 2021, World Nuclear Association, September 2021; The Nuclear Fuel Report Global Scenarios for Demand and Supply Availability 2021-2040, World Nuclear Association April 2022
Regional Resource figures taken from IAEA Technical document 1857, Unconformity-related uranium deposits, refer to disclaimer

Exploring for Athabasca Basin uranium

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Exploring for Athabasca uranium style mineralisation, with basement hosted (Arrow style) and unconformity hosted (McArthur River style) targets



Basin's projects display strong fundamentals;

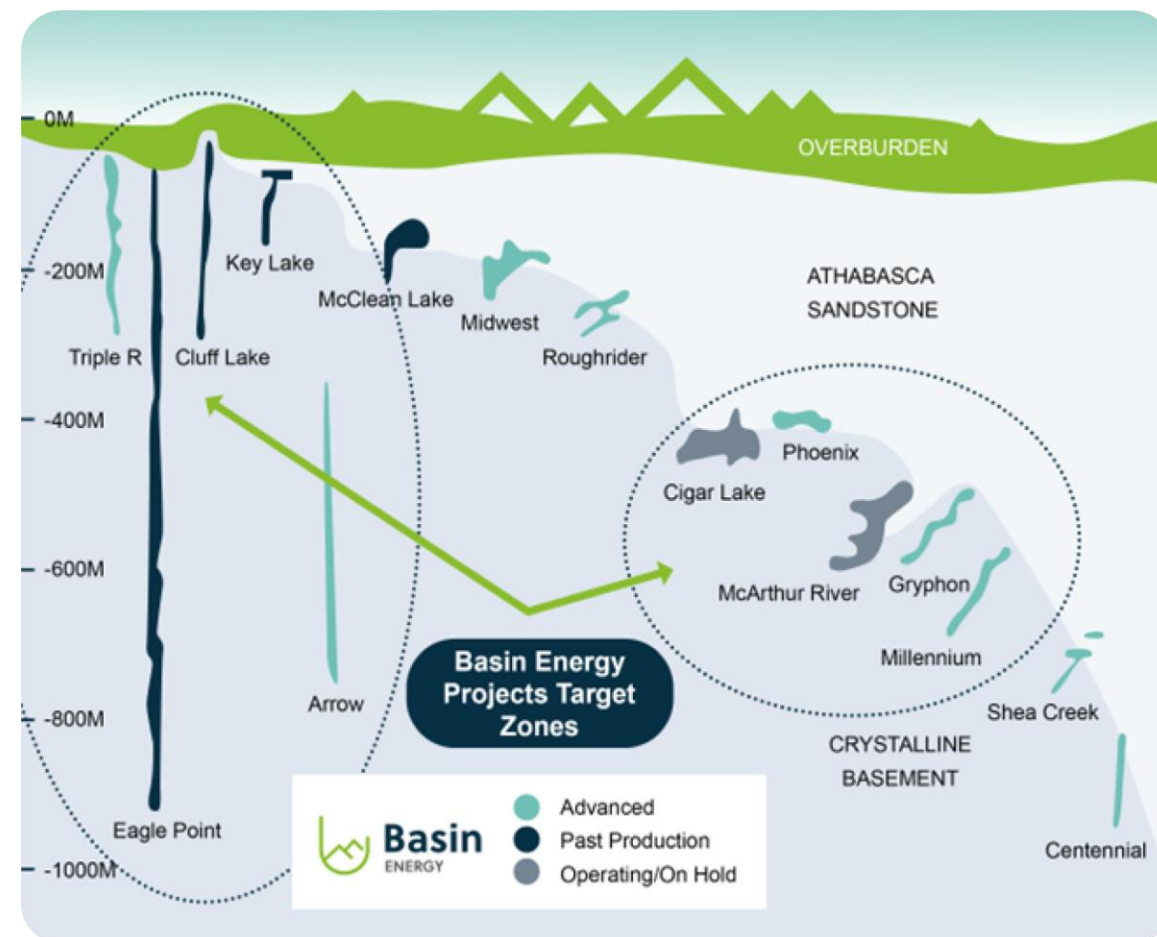
- Proven geological settings (lithology, structure)
- Evidence of metals (uranium, pathfinders)
- Well-defined exploration potential (depth, targets)



Strategically located near world-class high-grade uranium discoveries, mining and processing operations (just 8 km from ACKIO discovery **31m @ 0.9% U₃O₈**)



Experienced team – proven uranium exploration and development track record, strengthened by joint venture with CanAlaska, providing invaluable project-specific local knowledge



Source Data:

IAEA Technical document 1857, *Unconformity-related uranium deposits*

World Nuclear Performance Report 2021, World Nuclear Association, September 2021; The Nuclear Fuel Report Global Scenarios for Demand and Supply Availability 2021-2040, World Nuclear Association April 2022

Baselode Energy TSX announcement, 20/09/2022, *Baselode Intersects Best Drill Hole To Date With 0.90% U₃O₈ Over 31.0 Metres Starting at 69.3 m True Vertical*

CanAlaska TSX-V announcement, 22/10/2022, *CanAlaska Confirms High-Grade Uranium Mineralization in New Uranium Zone at West McArthur*



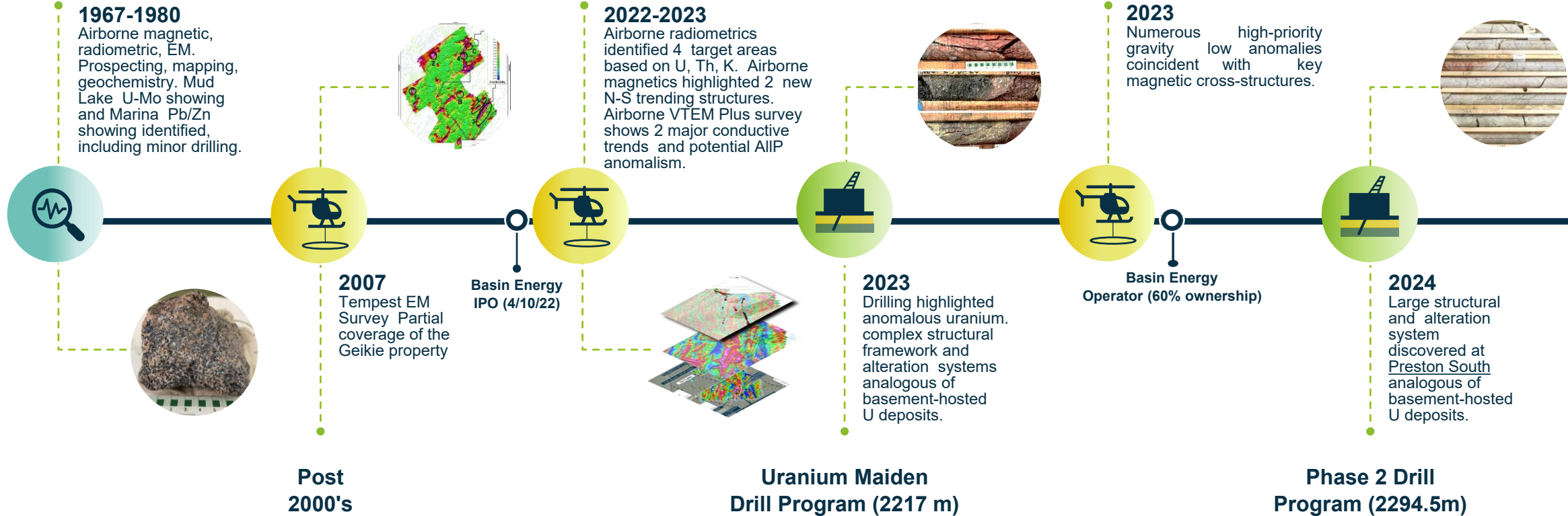
Geikie, Marshall and North Millennium **Uranium** Projects



Early Works

High-Resolution Geophysics

Derisking drill targeting with Gravity Gradiometry



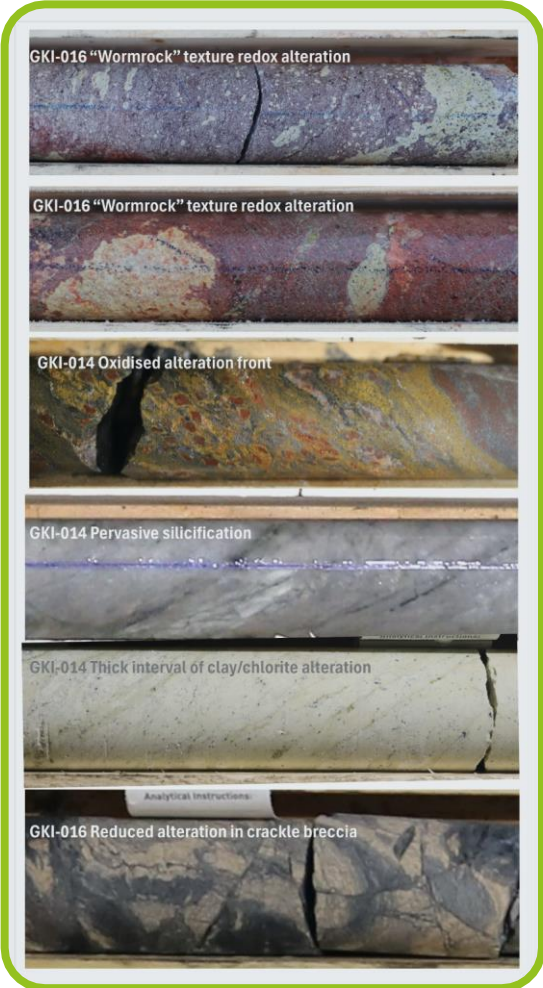
Source Data:

Refer ASX Announcement Basin Energy (ASX:BSN), 14/10/2022: Maiden Geophysical Survey Defines Multiple Targets at Geikie.
 Refer ASX Announcement Basin Energy (ASX:BSN), 22/03/2023: Airborne Electromagnetic Survey Completed at Geikie.
 Refer ASX Announcement Basin Energy (ASX:BSN), 10/08/2023: Elevated Radioactivity and Significant Hydrothermal Alteration Identified at Geikie.
 Refer ASX Announcement Basin Energy (ASX:BSN), 22/08/2023: Airborne Gravity Survey Commences at Geikie Project.
 Refer ASX Announcement Basin Energy (ASX:BSN), 29/08/2023: Basin Reaches 60% Ownership Milestone in Geikie Project.
 Refer ASX Announcement Basin Energy (ASX:BSN), 20/09/2023: Basin intersects Uranium Mineralisation up to 0.27% in Maiden Drilling at Geikie.
 Refer ASX Announcement Basin Energy (ASX:BSN), 15/11/2023: Gravity Survey Identifies Significant Anomalies at Geikie.
 Refer ASX Announcement Basin Energy (ASX:BSN), 28/05/2024: Drilling at Geikie Identifies 1.5km Alteration Zone.
 Refer ASX Announcement Basin Energy (ASX:BSN), 30/07/2024: Elevated Uranium Confirmed in Preston Creek Drilling.

Geikie - alteration analogy with basement hosted mineralisation



GEIKIE DRILLING



GEIKIE DRILLING		
GEOPHYSICAL ANOMALISM	Key Magnetic Structures	✓ NS, NNW
	Graphitic Conductor	✓ Weak-strong EM response ✓ Structural disruption: bends, splays in conductor trace
	Gravity Low Anomalies	✓ Several wide gravity low anomalies
FLUID PATHWAYS	Host rock permeability	• Minimal original permeability
	Brittle Faulting	✓ Complex structural framework ✓ Several stages brittle reactivation overprinting early brittle-ductile structures
	Rheology Contrast	✓ Evidence of fluid circulation along metasediment/granite contact
ALTERATION ASSEMBLAGES	Hydrothermal Alteration	✓ Silica rich fluids (sil,Qtz vng/bx) ✓ Wide oxidized front (hem/py/mgt) ✓ Wide argillised zones
	Reducing Agents	✓ Graphite, Sulfides ✓ Biotite-rich gneiss
GEOCHEMISTRY	Uranium Anomalism	✓ U-Th rich granites • Up to 0.27% U ₃ O ₈
	Pathfinders	✓ Anomalous Pb isotopes ratios

Source Data:
Refer Basin Energy ASX release dated 20/09/2023 “Basin Energy Intersects Uranium Mineralisation up to 0.27% in Maiden Drilling at Geikie”
Refer Basin Energy ASX release dated 30/07/2024: Elevated Uranium Confirmed in Preston Creek Drilling.

* Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

Geikie – Summary Status



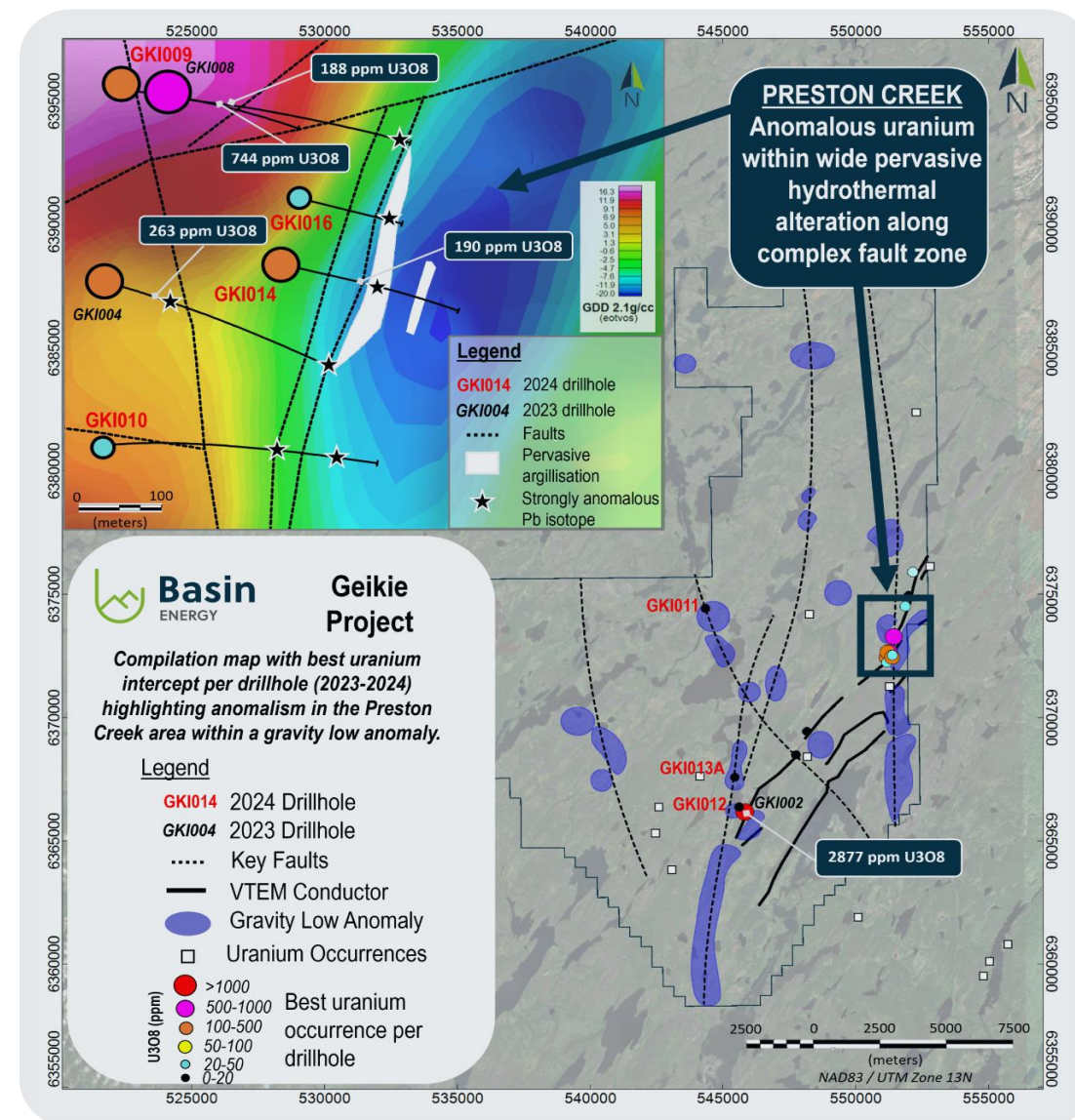
- Anomalous **uranium** was intersected in **6 of the 16 holes** drilled
 - Highest grade was 0.27% U_3O_8 over 0.5 metres at Aero Lake.
 - 263 ppm over 9 metres at Preston Creek.
- **Pathfinder** elements for uranium mineralisation, specifically lead isotope anomalies were observed in **10 of the 16 holes** drilled.
- **Significant structural scale and alteration**
 - Large structures capable of transporting mineralised fluid and host high-value deposits
 - Extensive alteration confirms an active fluid system.
 - Assays confirm uranium presence in the system.
- **Multiple near surface targets defined for future drilling**
 - Targets derived from data geological gained through drilling, coupled with multilayer geophysical datasets.
 - High-resolution airborne gravity has proven effective at mapping basement-hosted uranium alteration systems on the outer edge of the Athabasca Basin: numerous intense gravity lows associated with structural corridors identified at Geikie.

Source Data:

Refer ASX Announcement Basin Energy (ASX:BSN), 20/09/2023 "Basin Energy Intersects Uranium Mineralisation up to 0.27% in Maiden Drilling at Geikie"

Refer ASX Announcement Basin Energy (ASX:BSN), 30/07/2024: Elevated Uranium Confirmed in Preston Creek Drilling.

Refer ASX Announcement Basin Energy (ASX:BSN), 15/11/2023: Gravity Survey Identifies Significant Anomalies at Geikie.

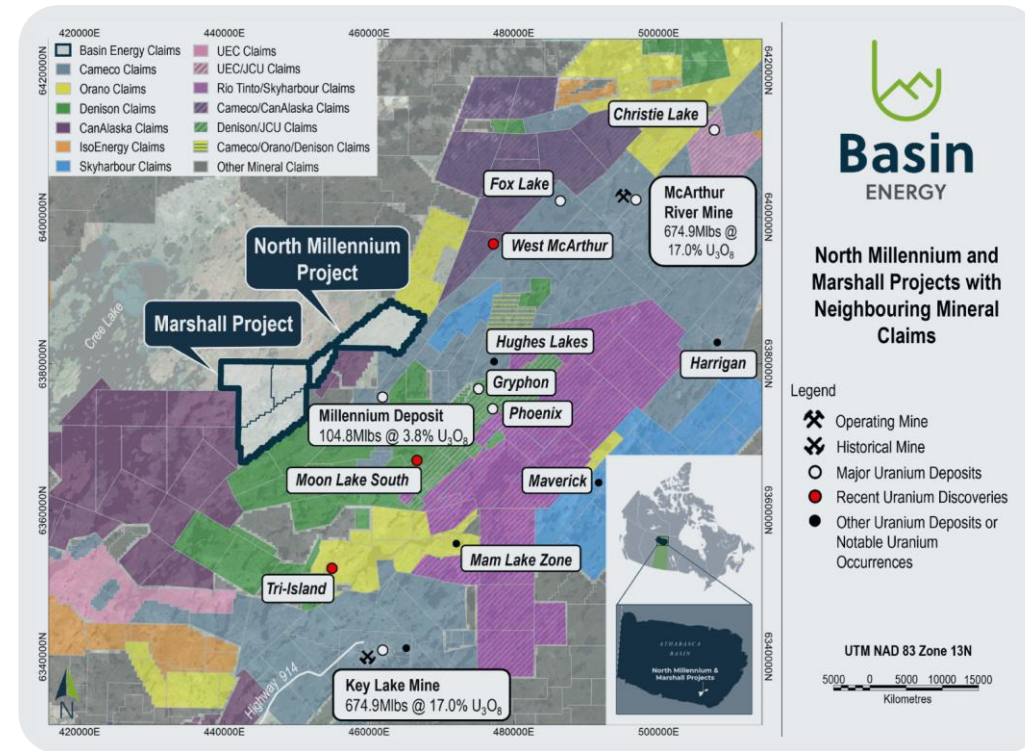
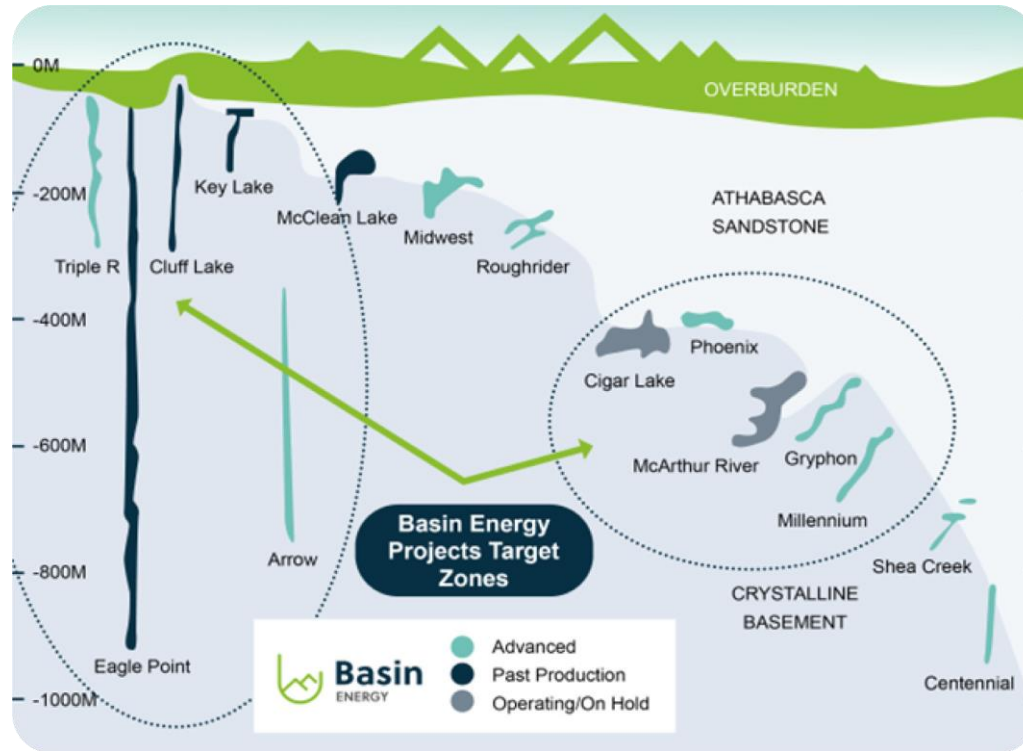


Marshall and North Millennium, Uranium's proven neighborhood

basinenergy.com.au



Two projects located in proximity to world-class high-grade uranium discoveries and mining operations, targeting repeats of traditional unconformity mineralisation



Marshall Project: 100% BSN

North Millennium Project: 40% BSN, 60% CanAlaska Uranium

Source Data:

IAEA Technichal document 1857, Unconformity-related uranium deposits

Iso Energy TSX announcement, 18/07/2022, Initial Mineral Resource Estimate, inferred and indicated.

92 Energy ASX announcement, 25/08/2022, High-grade uranium confirmed at GMZ including 6.0m of 2.17% U3O8

Baselode Energy TSX announcement, 20/09/2022, Baselode Intersects Best Drill Hole To Date With 0.90% U3O8 Over 31.0 Metres Starting at 69.3 m True Vertical

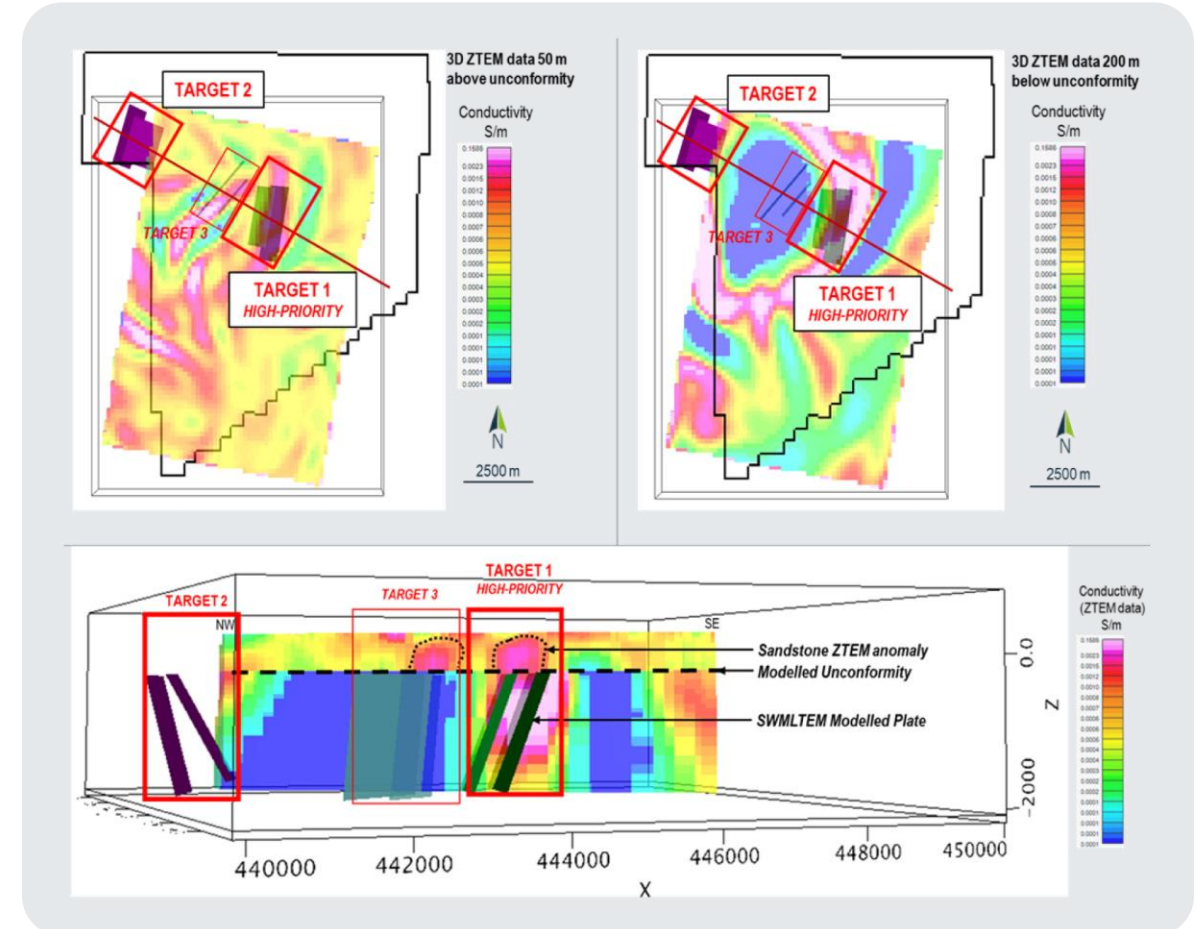
CanAlaska TSX-V announcement, 22/10/2022, CanAlaska Confirms High-Grade Uranium Mineralization in New Uranium Zone at West McArthur

2024 Geophysics Identifies Unconformity Targets

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- Ground EM completed in 2024 has identified a classic unconformity style uranium target at **Marshall**
- Multi-phase geophysics identified **stacked anomalies**, refining drill target delineation
- The projects are located 15 km from the majority Cameco owned Millennium uranium deposit, and just 40 km from the world-class McArthur River uranium mine
- Alternative funding solutions are being actively assessed



Source Data:

Refer Basin Energy ASX release dated 02/07/2024 "Unconformity Related Drill Targets Identified from 2024 Geophysical data"



Basin Energy Scandinavian **Uranium and Green** **Energy Metals**

Scandinavia



Basin has acquired a 100% interest in multiple reservations and licenses within Sweden and Finland, deemed prospective for uranium and green energy metals



Sweden and Finland are globally attractive and proven mining jurisdictions – continually ranked in the top 20 of the Fraser Institute global mining investment attractiveness index



Strong current mining – Sweden remains Europe's leading mining nation with 12 metalliferous mines, accounting for over 90% of European iron production, over 10% of European copper production and 35% of European zinc production.



Diverse active exploration and mining community – including Boliden Mining, Agnico Eagle Mines, Aura Energy, Mandalay Resources, Terrafame and Atalaya Resources



Positive perception and government policies – with strong favourable legislative frameworks in place, Scandinavia is positioned to be integral to the EU's Minerals Strategy, as Europe aims to ensure a secure and sustainable supply of critical minerals, crucial for the green and digital transitions



Source Data:

Refer SGU <https://www.sgu.se/globalassets/produkter/publikationer/2024/statistics-of-the-swedish-mining-industry-2023---sgu-2024-1.pdf>

Refer European Critical Raw Materials Act https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/green-deal-industrial-plan/european-critical-raw-materials-act_en

Refer Swedish Minerals Strategy https://rmis.jrc.ec.europa.eu/uploads/legislation/Sweden_MineralsStrategy_ENGLISH.pdf

Refer National Minerals Strategy <https://julkaisut.valtioneuvosto.fi/handle/10024/165994>

Nuclear in Scandinavia



Basin has acquired 100% interest in multiple reservations and licenses within Sweden and Finland, deemed prospective for uranium and green energy metals



Nuclear in Scandinavia – Finland currently has 5 operable nuclear reactors, accounting for 35% of national power production. Sweden currently has 6 operable reactors accounting for 40% of national power production, with 2 large scale reactors planned for construction before 2035, and deployment of SMRs before 2045.



Uranium Mining in Scandinavia – Finland recently permitted uranium processing (as a by-product) at its Sotkamo Mine where uranium production commenced in 2024.

Sweden is actively reviewing its uranium policies, paving the way for potential development.

- Ban on uranium mining legislated in Q3 2018
- Coalition government initial proposal to lift this ban Q4 2022
- Government inquiry commenced Q1 2024
- Inquiry recommended lifting of uranium mining ban Q4 2024
- Written consultation period concluded Q1 2025



Source Data:

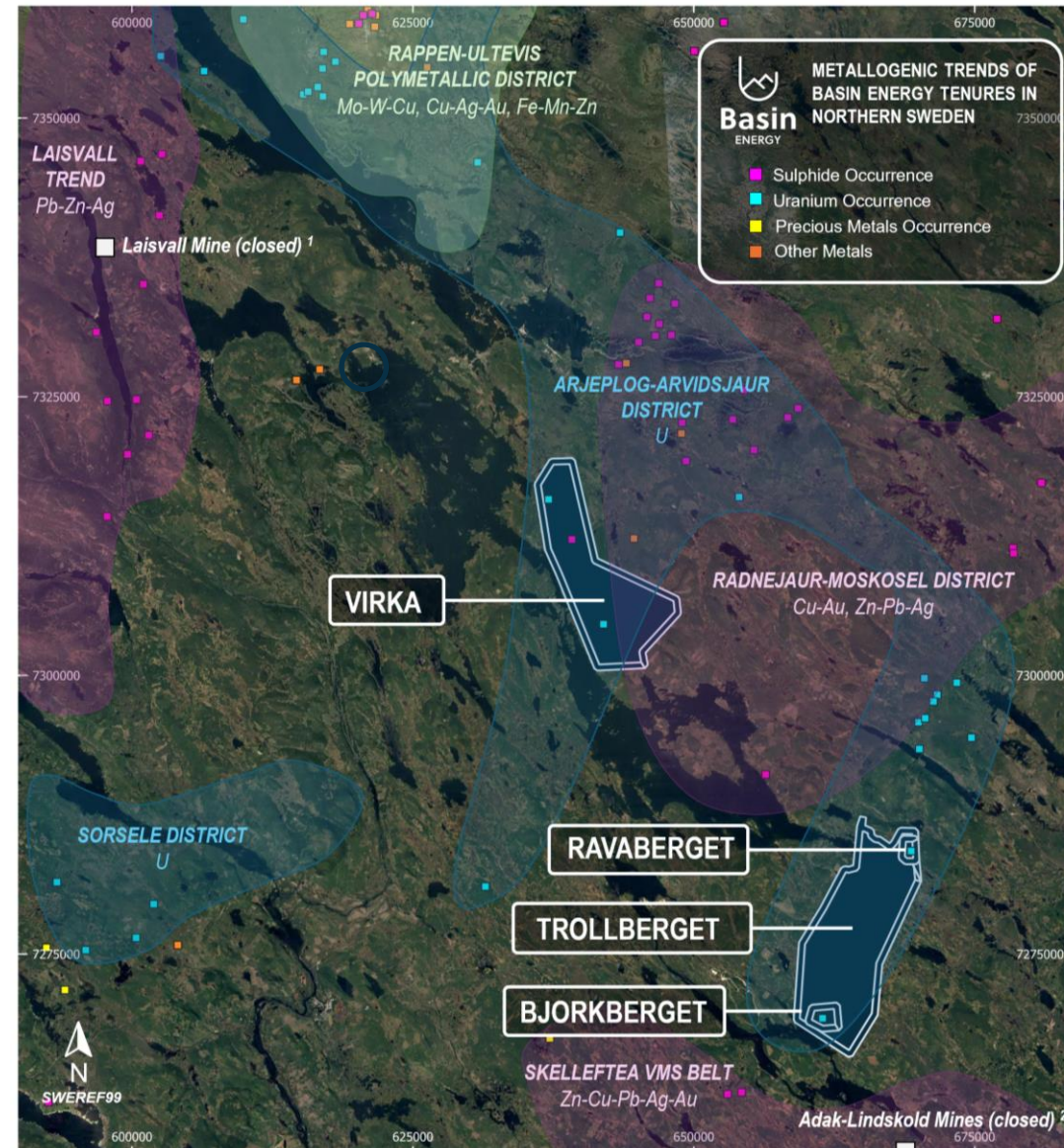
Refer World Nuclear Association <https://world-nuclear.org/information-library/current-and-future-generation/nuclear-power-in-the-world-today>

Refer Basin Energy ASX release dated 14/01/2025 "Scandinavian Exploration & Uranium Policy Update"



Shear-hosted targets in a proven multi-commodity district

- **Large-scale opportunity** – ~200 km² over four projects (Virka, Ravaberget, Bjorkberget and Trollberget) in the *Arjeplog-Arvidsjaur uranium district* and *Radnejaur-Moskosel Base Metal district*
- **Readily accessible terrain** – Prospective terrain dominantly covered in a thin layer of glacial cover
- **Underexplored potential** – Minimal historic drilling, with uranium mineralisation confirmed in outcrops
- **Strong geological indicators** – Regional mapping and boulder tracing reveal multiple surface anomalies in lead, zinc, silver and gold associated with major NNE-trending structures



Source Data:

Refer ASX Announcement Basin Energy (ASX:BSN), 04/02/2025: Basin energy granted Trollberget licence, doubling landholding in the Arvidsjaur-Arjeplog uranium district .

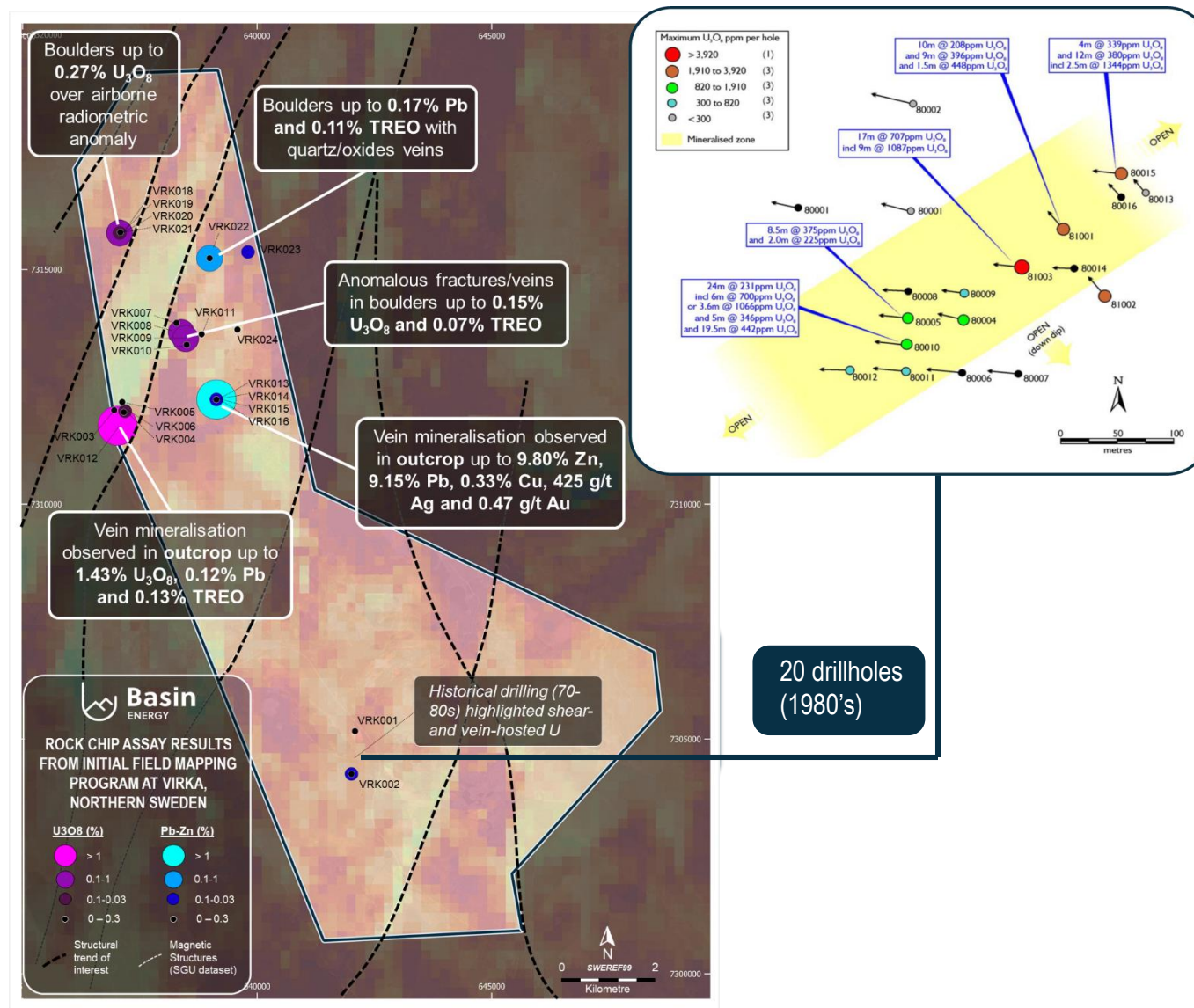
Refer ASX Announcement Basin Energy (ASX:BSN), 31/10/2024: Acquires Scandinavian Uranium and Green Energy Metals Portfolio

Virka Drilling



Limited historic drilling discovered uranium

- 20 drill holes completed between 1980 and 1981 (2,654.3 m). Drilling was focused on an area of approximately 300 x 300 m.
- Drilling relied on gamma probing to estimate uranium content. Aura Energy assayed core in 2008 with highlights including:
 - 9 m at 1,087 ppm U_3O_8 from 24.5 m in drill hole 81-003 within a 17 m interval at 707 ppm U_3O_8 from 23 m depth.
- Initial mapping and sampling by Basin identified two outcropping mineralised systems:
 - Base metal with samples up to 9.8% zinc, 9.15% lead, 425 ppm silver and 0.33% copper
 - Uranium with samples up to 1.43% U_3O_8 and 0.13% TREO
- Best rock chip samples located over 8 km from historic drilling.
- Numerous structural trends are not drill tested.



Source Data:

Refer ASX Announcement Aura Energy (ASX: AEE), 18/03/2008, "Drill core assays confirm high grade uranium mineralisation up to 0.68% U_3O_8 at its Virka Project in Northern Sweden"

Refer ASX Announcement Basin Energy (ASX: BSN), 06/11/2024: Exploration Program Commences at Virka.

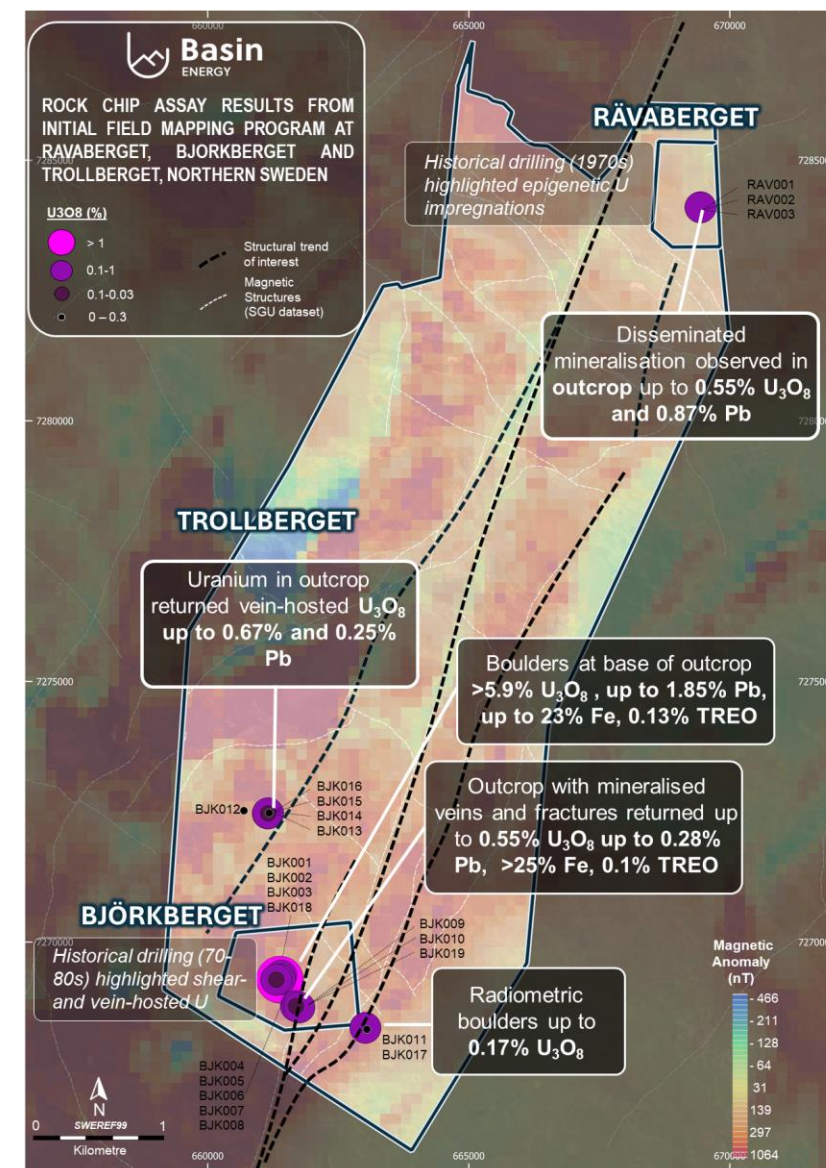
Refer ASX Announcement Basin Energy (ASX: BSN), 25/02/2025: Virka Project Sampling Returns High-Grade Mineralisation Confirming Polymetallic Discovery Potential.

Trollberget District



Shear-hosted targets in a proven multi-commodity district

- Late 1970's state funded drilling at Ravaberget and Bjorkberget identified uranium occurrences:
 - 42 shallow drill holes completed at Ravaberget between 1975 and 1977 (4,261.5 m) in an area of 350 x 450 m
 - 39 drill holes completed between 1976 and 1981 (6,010.2 m) in an area of 400 x 600 m
- 15 km of prospective terrain remains largely unexplored with only a thin layer of glacial cover.
- Limited sampling by Basin identified outcropping and transported uranium mineralisation, with exceptional grade.
 - Best rock chip results include **>5.9% U_3O_8** (exceeded ALS laboratory detection limits) and **5.4% U_3O_8**
- Polymetallic exposure including **rare earth elements** identified with sampling returning 0.13% TREO with 74% heavy rare earths, in conjunction with **vanadium**
- Historical drilling results for Bjorkberget and Ravaberget have not yet been verified, however **over 10,000 m of core** have been located with **relogging and sampling** ongoing



Source Data:

Refer ASX Announcement Basin Energy (ASX:BSN), 04/02/2025: Basin energy granted Trollberget licence, doubling landholding in the Arvidsjaur-Arjeplog uranium district .

Refer ASX Announcement Basin Energy (ASX:BSN), 13/02/2025: High-Grade mineralisation identified at North Sweden projects.

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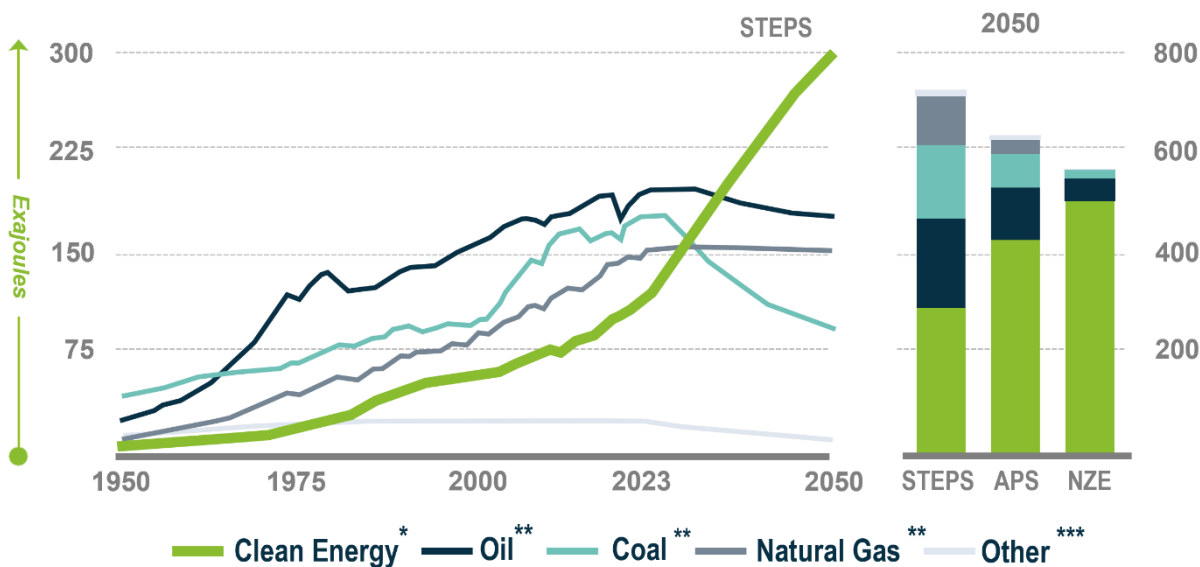
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This presentation has been authorised for release by the Basin Energy Board



GLOBAL ENERGY MIX BY SCENARIO TO 2050

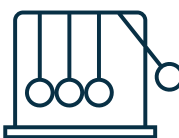


STEPS = Stated Policies Scenario APS = Announced Pledges Scenario
NZE = Net Zero Emissions by 2050 Scenario

* Includes renewables, nuclear, modern bioenergy, abated fossil fuels, low-emission hydrogen and hydrogen-based fuel
** Relates to unabated uses as well as non-energy-use.
*** Includes traditional use of biomass and non-renewable waste.



Soaring Global Energy Demand driven by electrification and data centre expansions.



With science affirming a shrinking window of opportunity, **green energy plans must include urgent actions to cut carbon emissions and reach net zero by 2050.**

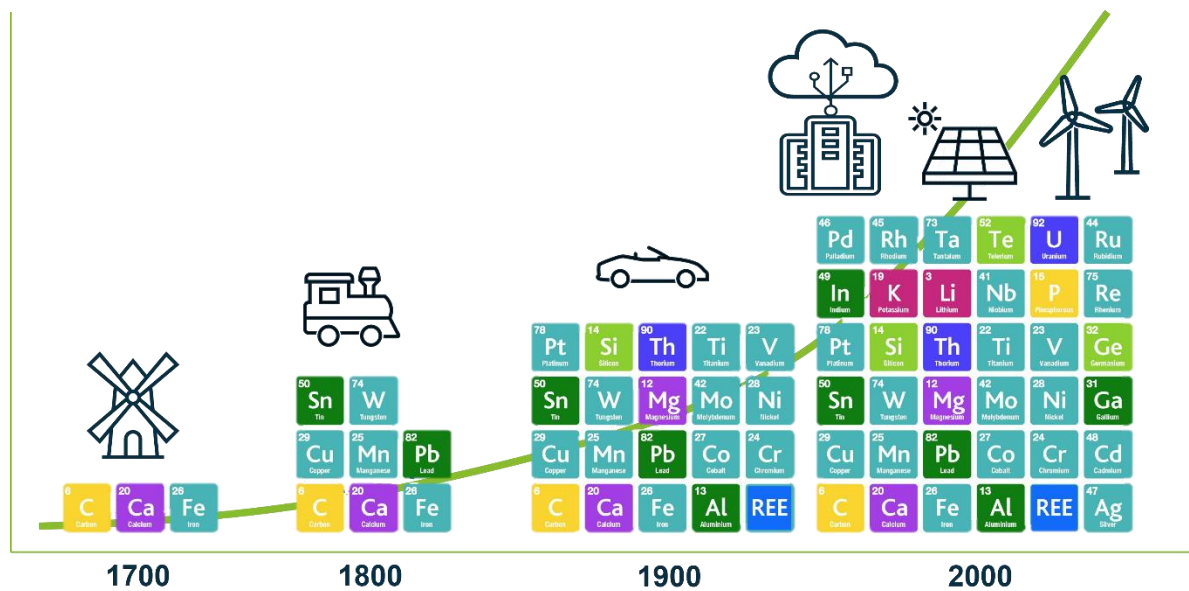


Critical Minerals Bottleneck
Accelerating exploration and mining of green energy minerals is a fundamental pillar of the clean energy transition.

Soaring Green Energy Metals Demand



CRITICAL MINERALS



Exponential surge in critical mineral demand: a global imperative

Mineral-intensive technologies central to global decarbonization projected to increase up to sixfold by 2040

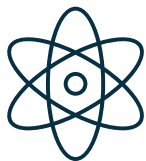
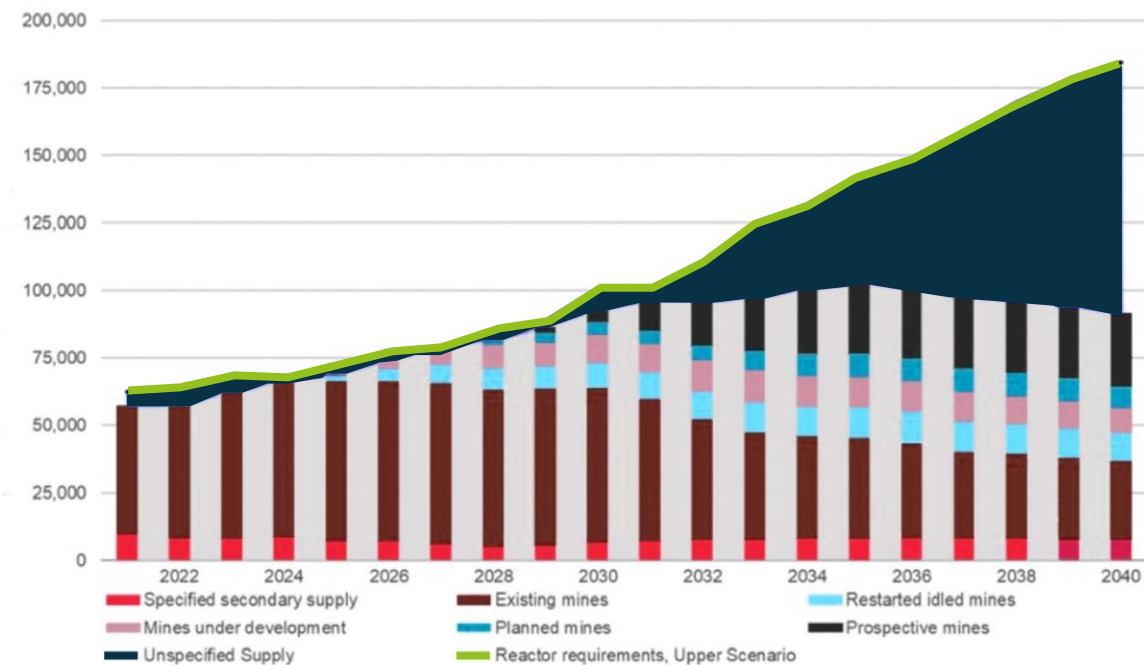
Strategic collaboration for a sustainable supply chain

Aligning global policies like the European Unions Critical Raw Materials Act with the Paris Agreement (*Climate Change Treaty*) creates a dual opportunity: tackling climate change while developing a robust, sustainable critical mineral supply chain



URANIUM MARKET MOMENTUM

WNA 2023 Supply vs Demand Upper Scenario



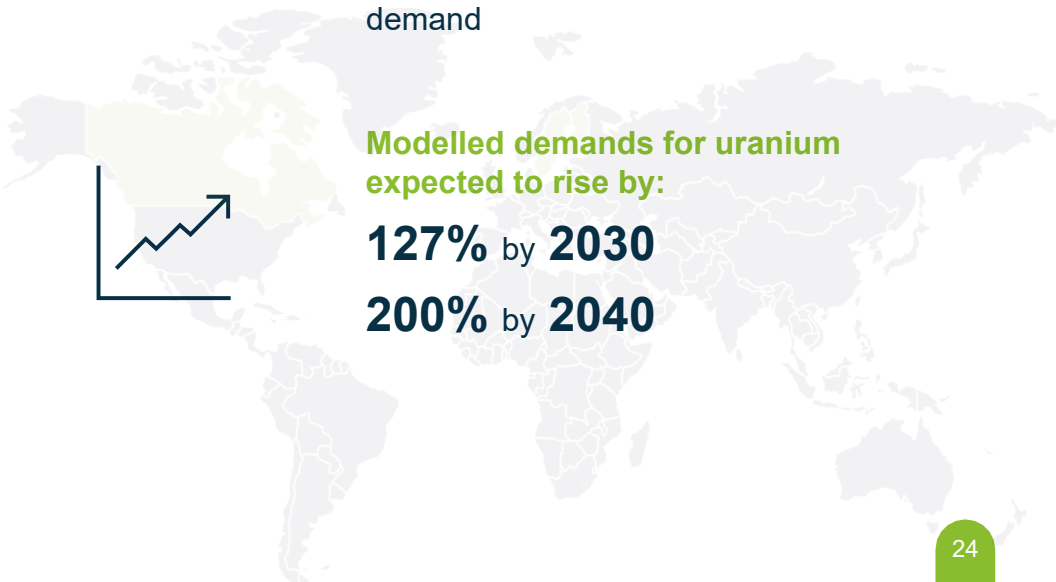
Growing Nuclear Adoption

Over 60 countries now incorporate nuclear energy net-zero policies recognising its role in providing clean, reliable baseload power



Underinvestment driving supply crunch

Decades of low uranium prices, production hurdles and regulatory constraints are tightening supply as demand surges from rising reactor demand



Modelled demands for uranium expected to rise by:

127% by 2030

200% by 2040



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