



generation  
uranium

**Investor Presentation  
Q1-2024**

[www.generationuranium.com](http://www.generationuranium.com)

# Generating the Power of Tomorrow



Certain statements in this Presentation relating to the Company's exploration activities, project expenditures and business plans are approximate and are "forward-looking statements" within the meaning of securities legislation. The Company does not intend, and does not assume any obligation, to update these forward-looking statements. These forward looking statements represent management's best judgment based on current facts and assumptions that management considers reasonable, including that operating and capital plans will not be disrupted by issues such as adverse market conditions, mechanical failure, unavailability of parts, labor disturbances, interruption in transportation or utilities, or adverse weather conditions, that there are no material unanticipated variations in budgeted costs, that contractors will complete projects according to schedule, and that actual mineralization on properties may not achieve any category of resource(s). The Company makes no representation that reasonable businesspeople in possession of the same information would reach the same conclusions. Forward looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. In particular, fluctuations in the price of Uranium, equity markets or in currency markets could prevent the Company from achieving its targets. Readers should not place undue reliance on forward-looking statements. There is no guarantee that drill results reported in this news release or future releases will lead to the identification of a deposit that can be mined economically, and further work is required to identify resources and reserves. We seek safe harbour.

The technical information in this presentation has been reviewed and approved by Dr. Thomas Hawkins an Independent Qualified Person as defined by National Instrument 43-101 on January 8<sup>th</sup>, 2024.

1 Mineralization on adjacent Properties may not be indicative of Generation Uranium's Properties.

*\*Angilak Property Historical Resource was Reported by ValOre Metals Corp. in a Technical Report entitled "Technical Report and Resource Update For The Angilak Property, Kivalliq Region, Nunavut, Canada", prepared by Michael Dufresne, M.Sc., P.Geol. of APEX Geosciences, Robert Sim, B.Sc., P.Geo. of SIM Geological Inc. and Bruce Davis, Ph.D., FAusIMM of BD Resource Consulting Inc., dated March 1, 2013. Inferred mineral resources of 2,831,000 tonnes at an average grade of 0.69% U<sub>3</sub>O<sub>8</sub> and 0.17% molybdenum containing 43.3 million pounds of U<sub>3</sub>O<sub>8</sub> and 10.4 million pounds of molybdenum. The historical mineral resource estimate was calculated in accordance with NI 43-101 and CIM standards at the time of publication and predates the current CIM Definition Standards for Mineral Resources and Mineral Reserves (May, 2014) and CIM Estimation of Mineral Resources & Mineral Reserves Best Practices Guidelines (November, 2019).*

*\* Kiggavik historical no classified resources as reported is from Fuchs, H. and W. Hilger. 1989. Kiggavik (Lone Gull): An unconformity-related uranium deposit in the Thelon Basin, NWT, Canada, in: Uranium resources and geology of North America: Proceedings of a technical committee meeting organized by the Int. Atomic Energy Agency (Vienna), held on Sept. 1-3, 1987 in Saskatoon Canada, p. 429-454. It is unknown what methods used to calculate the resources, It is unknown what would be required to bring resources into current CIM standards.*

A Qualified Person has not done sufficient work to classify the historical estimate as a current mineral resource, and the Parties are not treating the historical estimate as a current mineral resource. The historical information provides an indication of the exploration potential of the properties but may not be representative of expected results.

# The world needs more nuclear to achieve a **low cost, reliable and greener** future of energy

**1** Global Yellowcake supply is set to reach 145M lbs in 2024, but demand is already at 180M lbs, representing a roughly **35M lbs deficit**. The World Nuclear Association expects demand to nearly **double to 300M lbs** by 2040 <sup>(1)</sup>

**2** Nuclear Power needs to **triple by 2050** to meet the Paris Accord goal of global temperature reduction <sup>(3)</sup>

**3** As of January 2024 there are around **60 nuclear plants** under construction with another **110 planned** <sup>(2)</sup>

**4** In 2022 global energy consumption was **31.6% from oil** and 26.7% from coal while nuclear was only at 4%. A push for more reliable and greener energy at a low cost paves the way for **significant nuclear energy growth** <sup>(4)</sup>



Canada is the second largest producer of Uranium in the world at 15%, behind Russia friendly Kazakhstan which produces 43% of the world's supply. Canada is home to the Athabasca Basin and the Thelon Basin, two of the highest-grade uranium districts in the world.

(1) [www.bnnbloomberg.ca/future-of-nuclear-energy-celebrated-at-cop28-lightbridgeceo-1.2008625](https://www.bnnbloomberg.ca/future-of-nuclear-energy-celebrated-at-cop28-lightbridgeceo-1.2008625)

(3) <https://world-nuclear.org/information-library/current-and-future-generation/plans-for-new-reactors-worldwide.aspx>

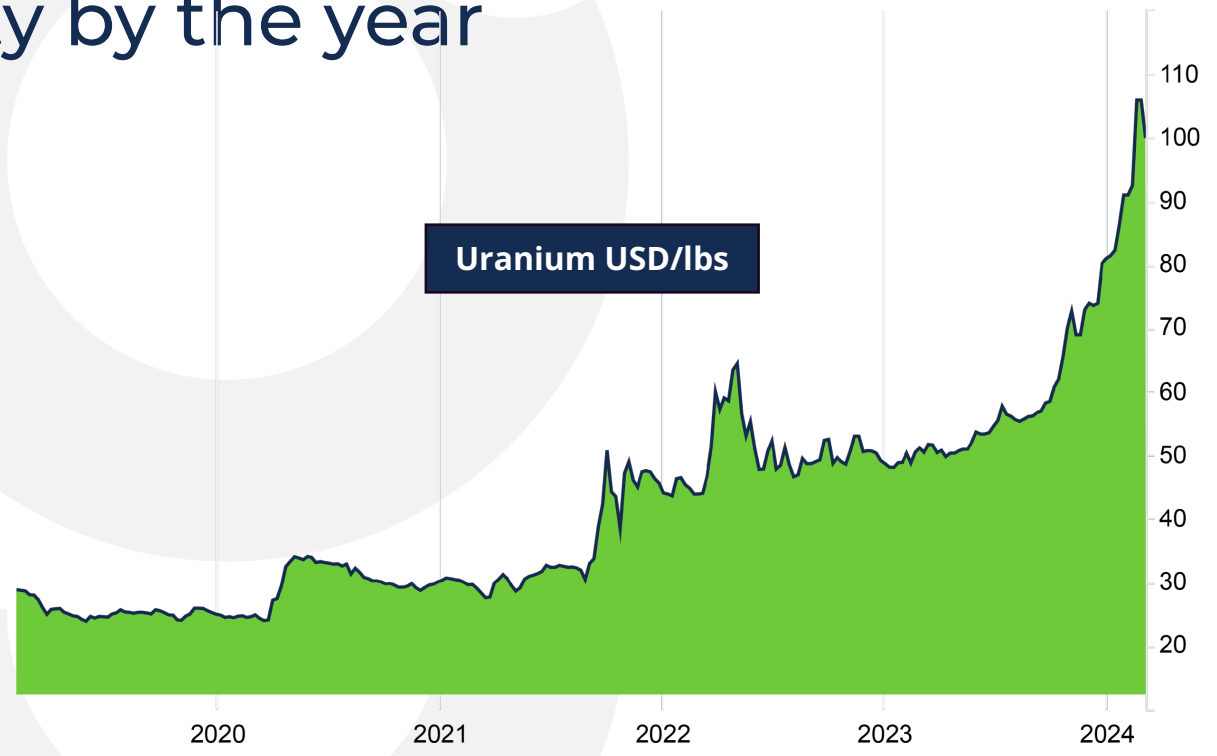
(2) [ourworldindata.org/energy-mix#:~:text=Globally%20we%20get%20the%20largest,%2C%20gas%2C%20then%20hydroelectric%20power](https://ourworldindata.org/energy-mix#:~:text=Globally%20we%20get%20the%20largest,%2C%20gas%2C%20then%20hydroelectric%20power)

(4) <https://www.mining.com/uranium-sector-scrambling-to-fill-supply-gap/>

# Uranium prices have quadrupled since 2020, the global nuclear energy sector anticipates a threefold increase in capacity by the year 2050

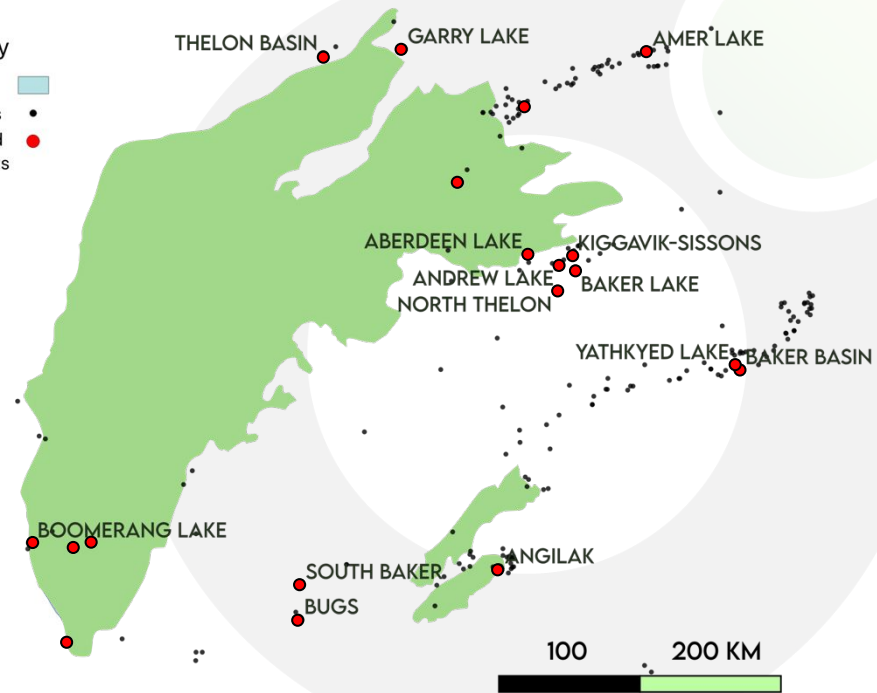
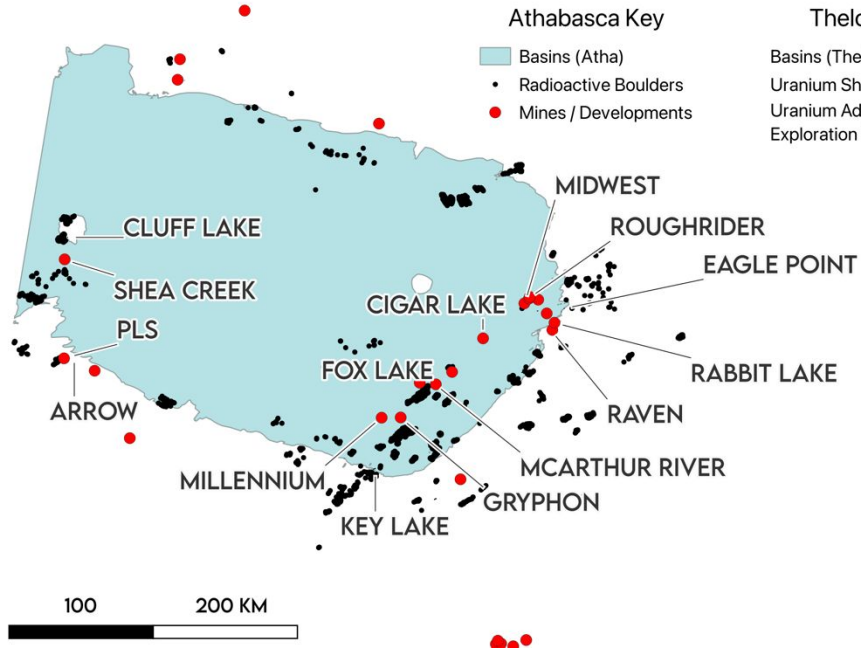
According to the Business Research Company, anticipated in the coming years is a robust expansion in the uranium ore market size. Projected to reach \$1.81 billion by 2028, the growth is forecasted to unfold at a noteworthy compound annual growth rate (CAGR) of 10.5%.

Various factors contribute to this anticipated growth, including government policies and incentives, a heightened emphasis on carbon emission reduction, geopolitical stability and more. This is fueling current and intermediate price dynamics.



*Disclaimer: Past performance does not guarantee future performance, nor is it guaranteed that expected supply and uranium growth drivers will persist. Contact a licensed financial representative for additional information on current and future uranium price dynamics.*

*Source: [tradingeconomics.com/commodity/uranium](https://tradingeconomics.com/commodity/uranium)*



## A Compelling Opportunity

1. Larger than the Athabasca
2. Extensive uranium showings
3. Similar Basin ages
4. Athabasca discoveries are still being made

## Thelon Discoveries Are Yet To Be Made

Two gold mines have been put into production, a new tenure system implemented, and a refreshed perception of Uranium

### The Athabasca

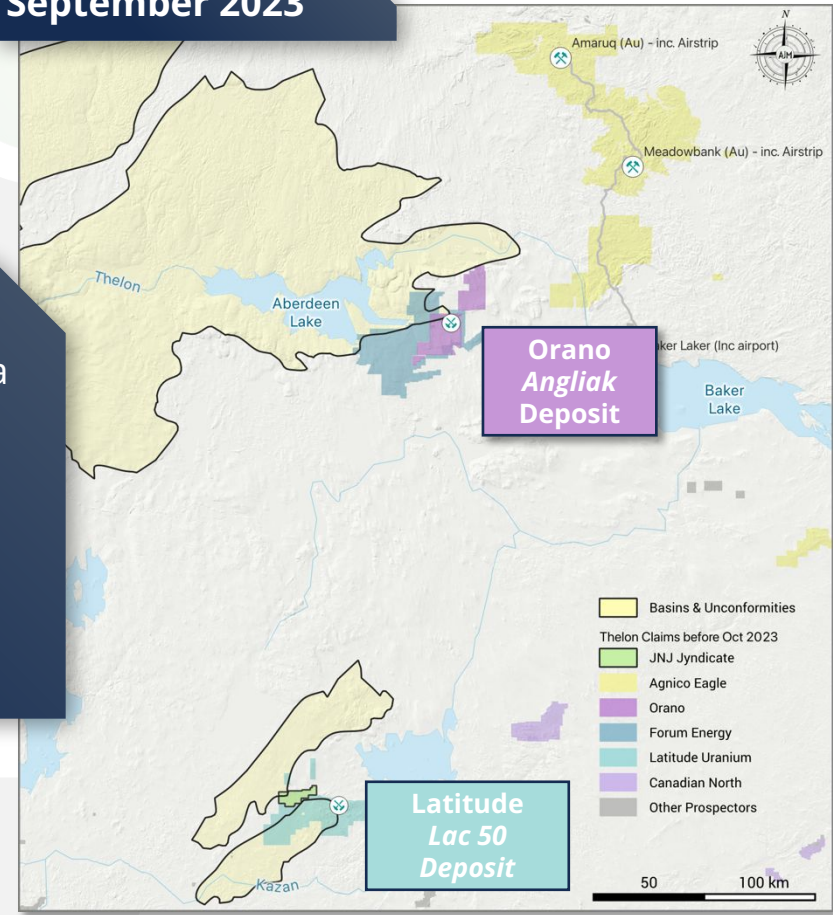
- Athabasca's Uranium potential was identified in the early 1940's
- 1968 led to the discovery of the Rabbit Lake deposit in the Athabasca Basin
- Over **570 million lbs of uranium** have been produced from this prolific region
- Over **80 uranium discoveries** have been identified, defining **~2.6 billion lbs of uranium**

[www.saskatchewan.ca](http://www.saskatchewan.ca)

### The Thelon & Sub-basins

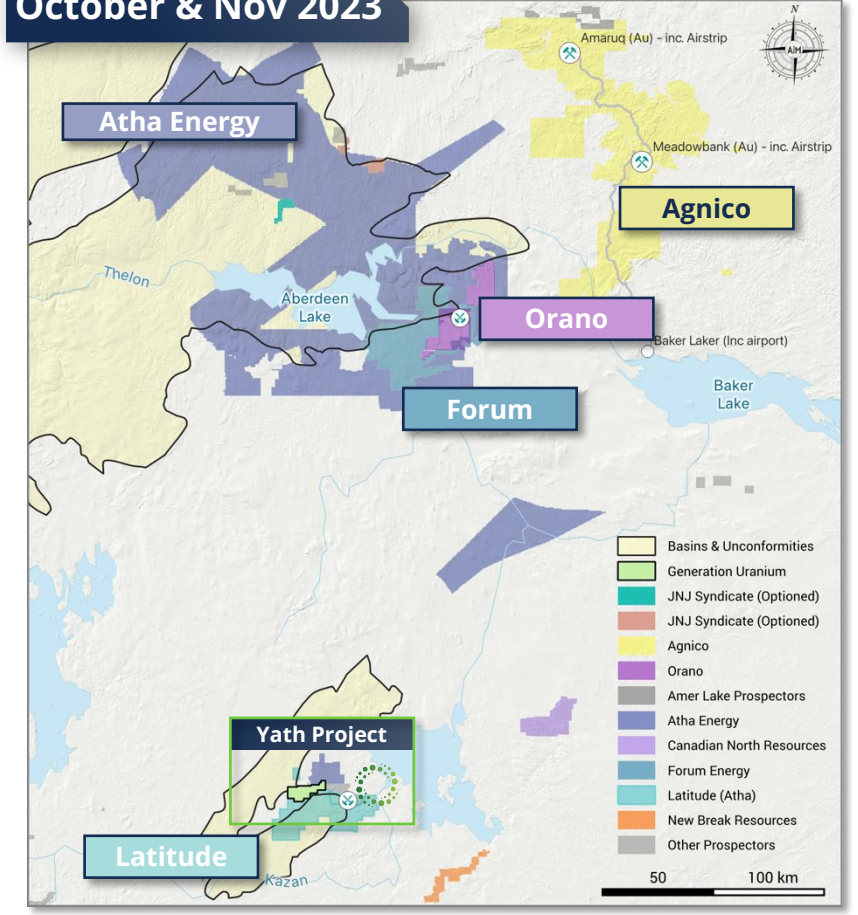
- 1970's - 1980's saw a flurry of exploration activity
- 1979 - 1982 numerous uranium showings discovered in the Thelon Basin
- A secondary exploration rush between 2000 and 2011 consisted of regional work hunting for unconformity-type uranium
- Historically **~60 million lbs of Uranium\*** have been defined including 43.3 million lbs at Angilak\* (contiguous to the Yath Project)

**September 2023**



Approximately 300,000ha of licenses held by Orana, Latitude and Forum searching for Uranium.

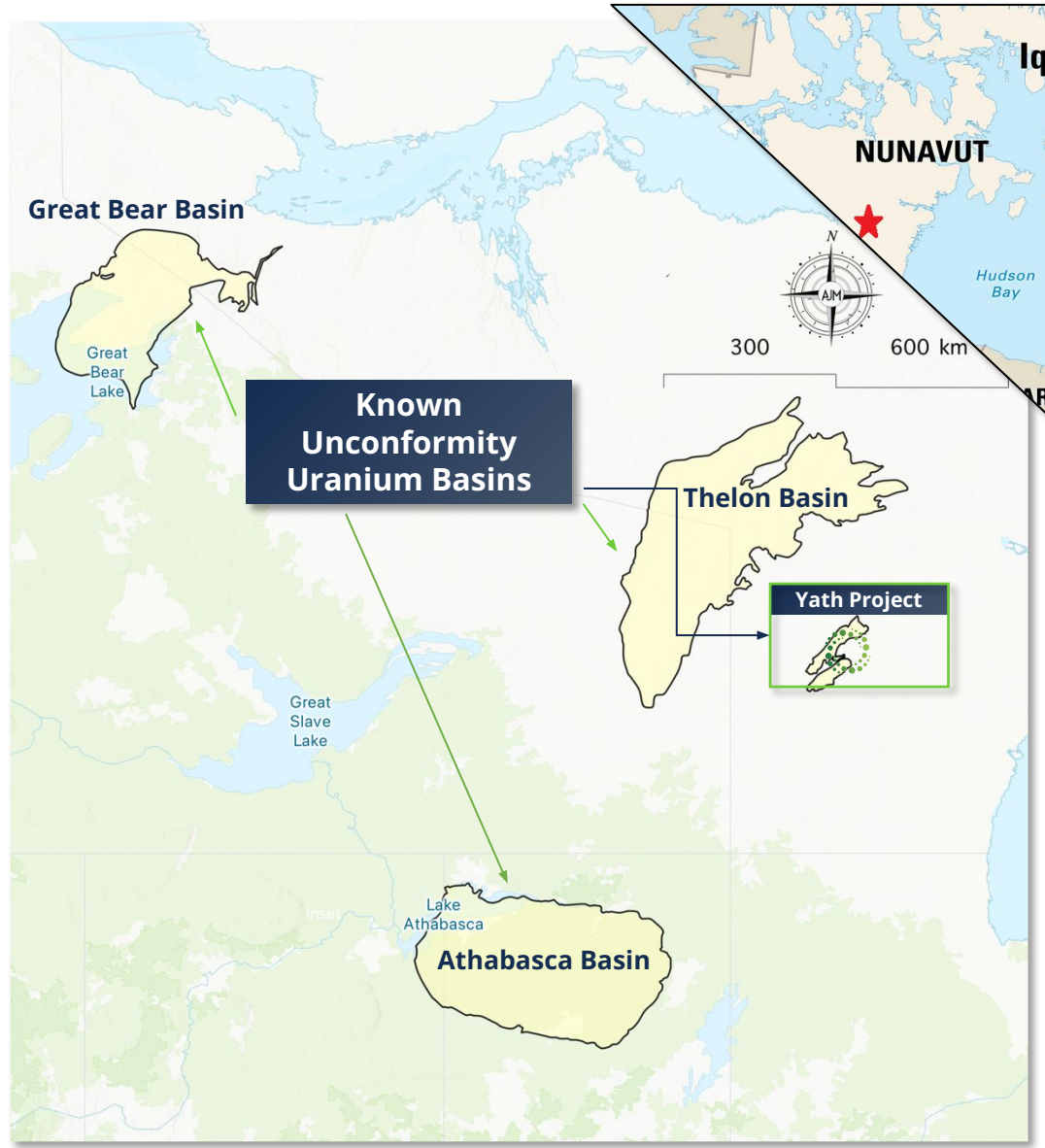
**October & Nov 2023**



Atha Energy began staking in October and has subsequently acquired claims for \$3M CAD, including a license contiguous to Generation's claims.

The Thelon Basin is re-emerging as a significant district for Uranium Exploration.

Vast amounts of exploration efforts to be deployed into the basin in 2024.



## Location

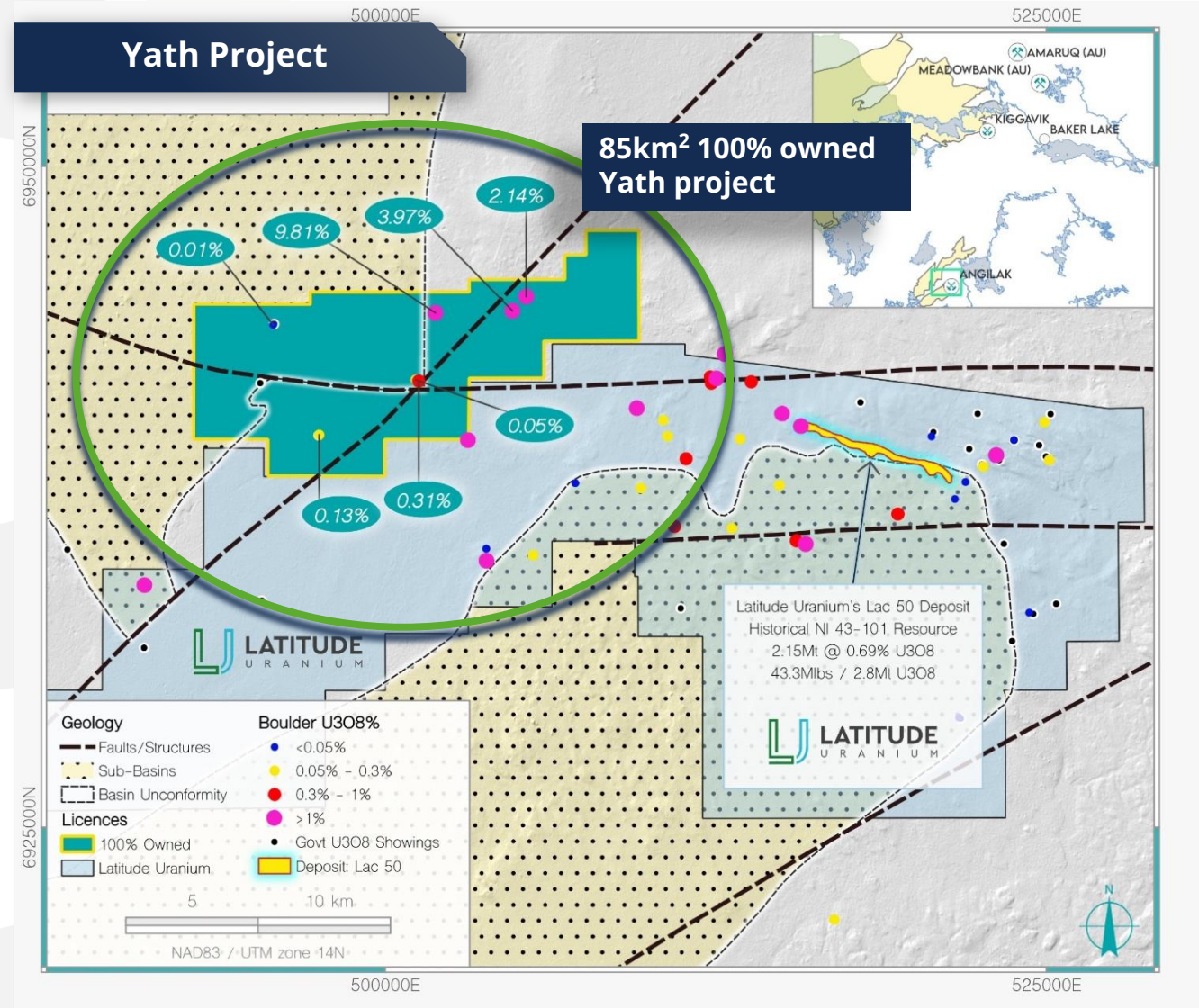
Our 100% wholly owned Yath Project is located in the prolific and under-explored Thelon Basin in **Nunavut, Canada**.

Situated along trend from the 43 million lbs *Lac 50* uranium deposit being advanced by Latitude Uranium, a company currently being acquired by ATHA Energy Corp for an all-share acquisition valued at \$64.7M CAD.

-  **Stable Mining Jurisdiction**
-  **Strategic Land Position**
-  **High Grade Historic Results**
-  **Near-term Drill Target Potential**
-  **Extensive Historical Work**
-  **Surrounded by Latitude and Atha Energy**
-  **Unconformity & Beaverlodge Deposit Targets**

The Yath Project is uniquely positioned at the confluence of two sub-basins, the **Yathkyed Basin & Angikuni Basin.**

1. Historical high-grade mineralization was recorded at the surface, and the geological components to produce 9.81%, 3.95% and 2.14% U3O8 in surface boulders
2. Angilak Project historical resource contains 43.3M lbs U<sub>3</sub>O<sub>8</sub> @ 0.69% (2.8 MT U<sub>3</sub>O<sub>8</sub>)\*<sup>1</sup>
3. The Thelon Basin is an unconformity basin globally recognized with proven economics - Athabasca, Saskatchewan; McArthur, Australia; Thelon, Nunavut
4. The 85km<sup>2</sup> project is contiguous with a known uranium project that is currently being advanced
5. Several strong gravity anomalies have been proven by drilling to overlay clay alteration along the unconformity and warrant follow-up







## Historical exploration in the region spread across the commodity mix

### 1976 - 80468 - Noranda Exploration Company Ltd- Gold Focused

- Maximum of 45.53 oz/t Ag and 2.08 oz/t Au (sample 33-13) – located 30km SW of Yath, very high Au+Ag values show the mineral potential 35km southwest

### 1980 - 81082 - Pan Ocean Oil Ltd - Uranium Focused

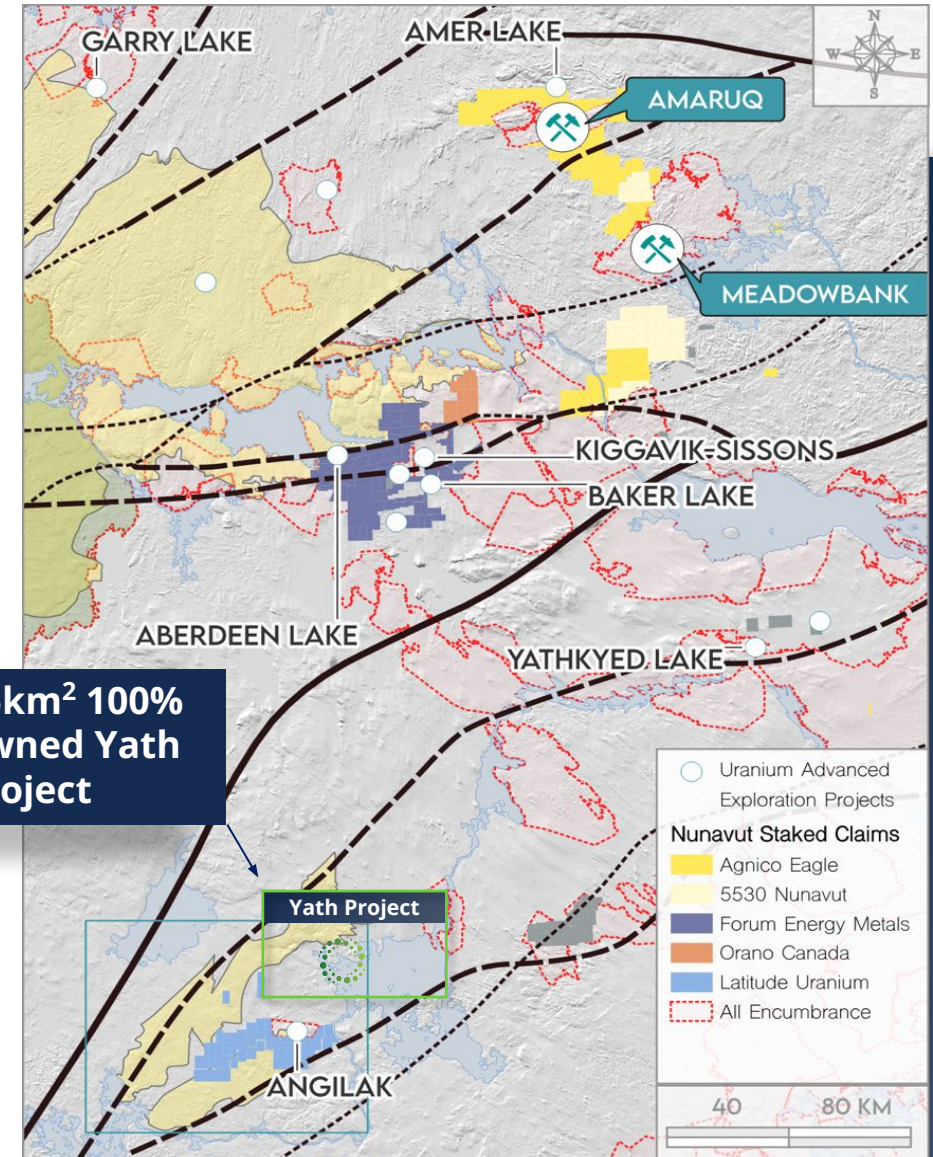
- A Float Sample RSP005 returned assays of **8.41% U<sub>3</sub>O<sub>8</sub>**, **5.38% Cu**, and **0.412% MoS<sub>2</sub>**. – Located 3km SW of Yath, at the contact between unconformity and Felsic Gneiss
- High U, Cu, Mo values may indicate significant mineralization potential- **Yath claims share the same geology**

### 1981 - 81173 - Pan Ocean Oil Ltd - Uranium Focused

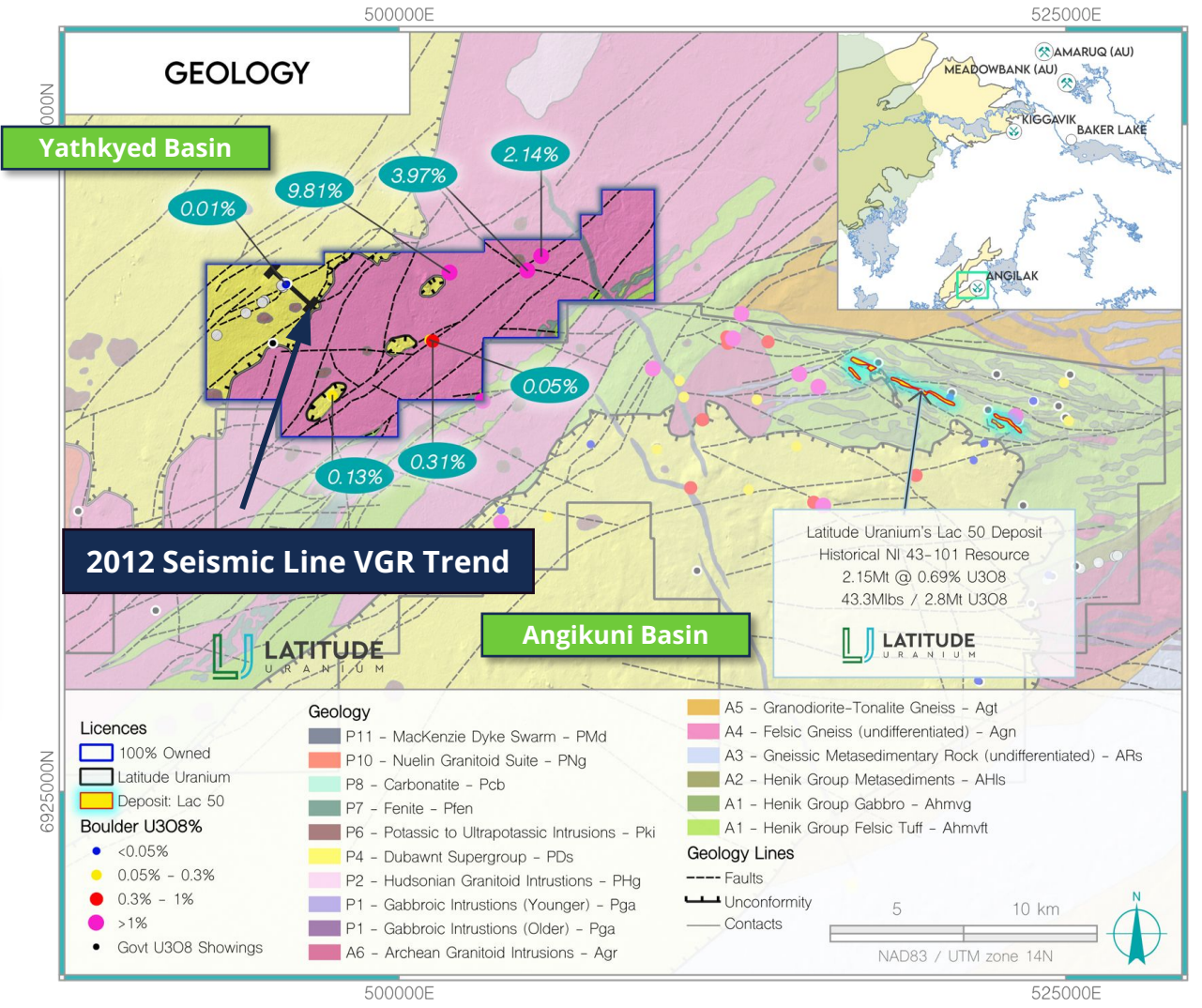
- Bog-8-80 DDH: Best intersection assaying 1m @ 0.224% U<sub>3</sub>O<sub>8</sub> from 25.5 m, chip samples: 6.7% U<sub>3</sub>O<sub>8</sub> and 0.7oz/T Ag. (1802-2 - X016)
- High-grade uranium and silver values from within the licence area have not been followed up

### 1982 - 81453 - Pan Ocean Oil Ltd - Uranium Focused

- Sample MM-276 granoblastic Gneiss, **14,000 CPS**, **9.81% U<sub>3</sub>O<sub>8</sub>**, **3.7oz/t Ag** located in the centre of the Yath Claim

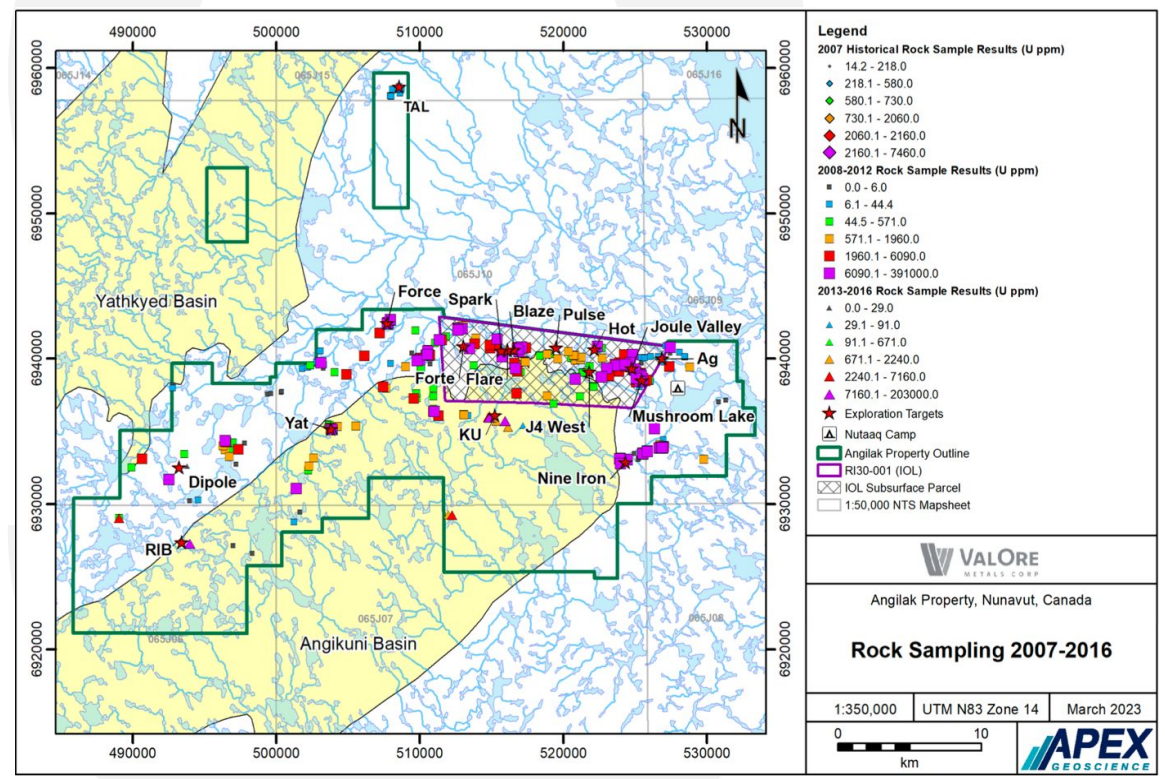
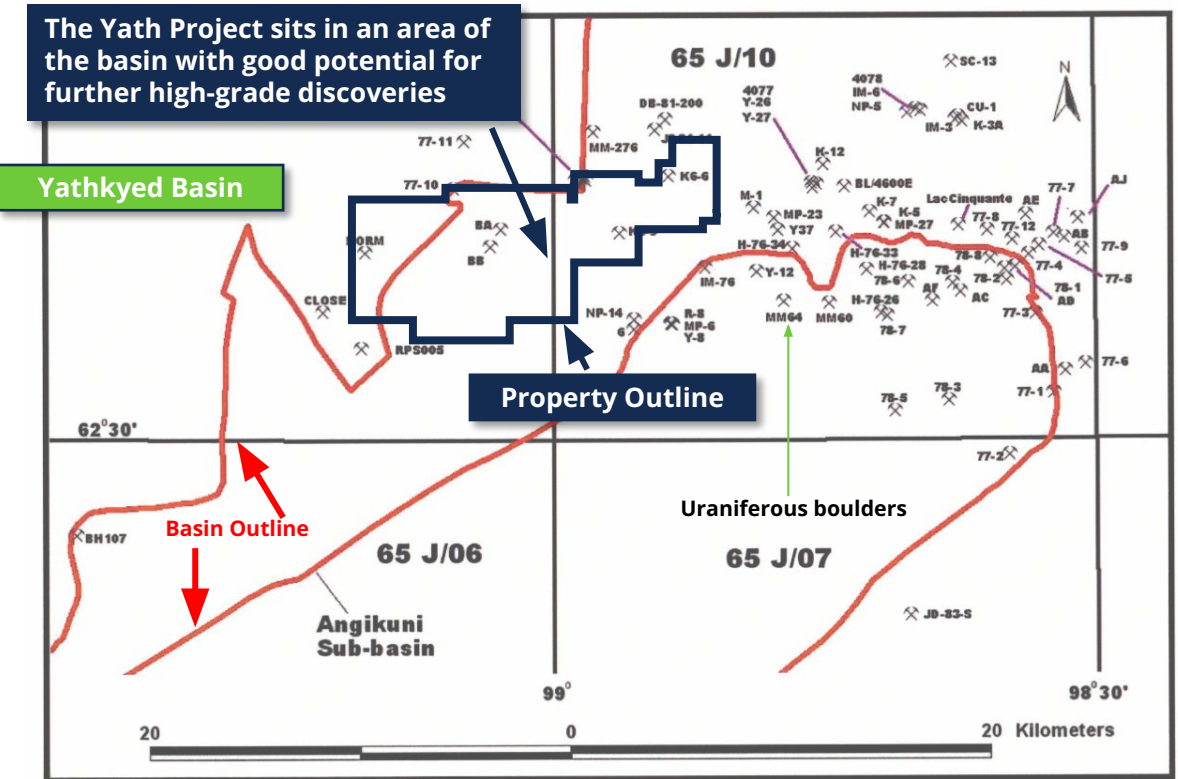


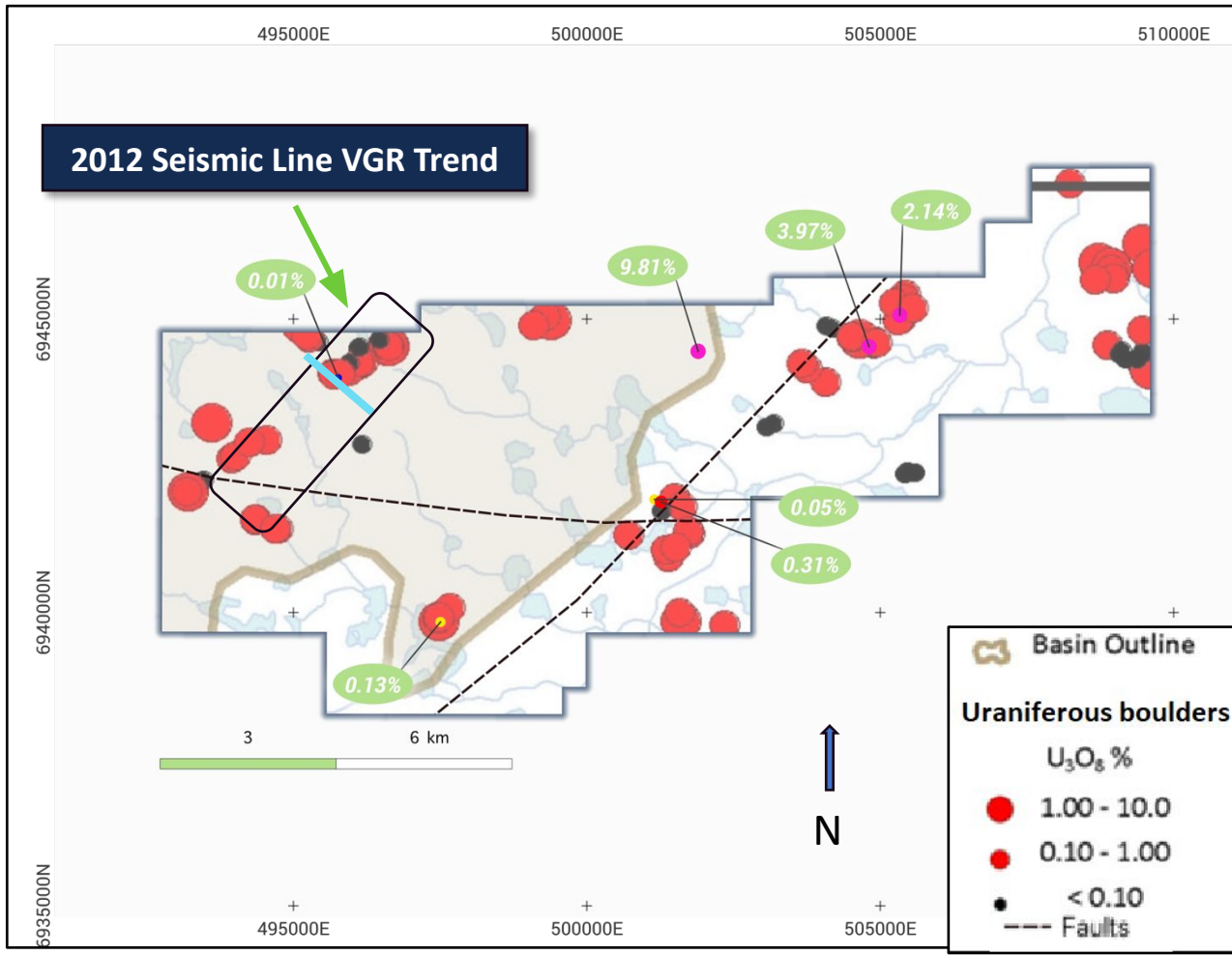
- The Yath project covers a possible western extension of the LAC 50 trend
- Multiple NE trending regional faults bisect the licence area
- Basin-bounding unconformities cross the western side of the license and are exposed in the centre
- The Central belt of felsic Gneiss are in faulted contacts with Henik Group volcanics
- *No definitive source of the high-grade boulders has been located*



# The Yath Project has the similar discovery potential to the Angikuni Sub-basin

The historical focus has been on the Angikuni Sub-basin as boulders related to the central Gneiss belt were previously considered low interest.





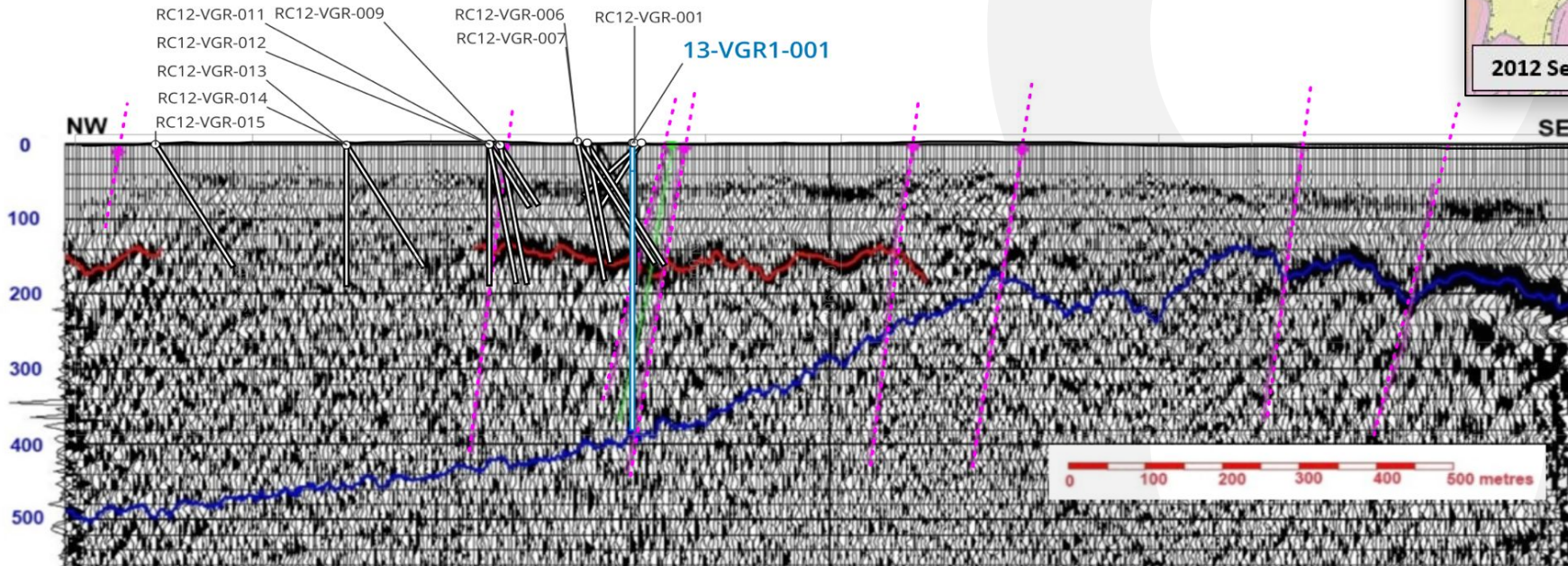
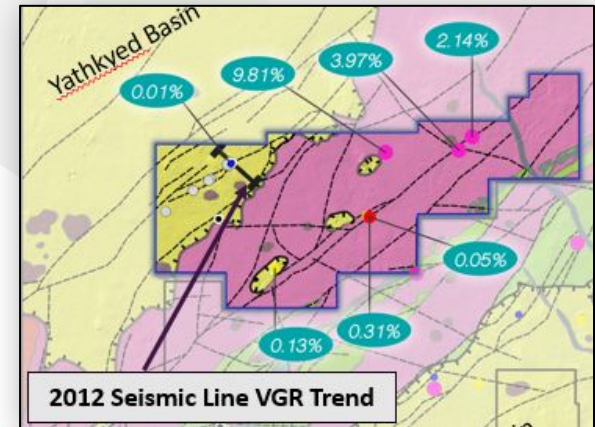
Data sourced from Kivalliq Energy Crop 2013 Investor presentation

**Excellent historical database to build upon**

- Numerous U<sub>3</sub>O<sub>8</sub> values between 1-10%
- Confluence of faults
- Basin unconformity cover
- 2012 - 2014 samples of high grade are localized along regional faults
- 2012 Seismic Line with VGR trend
- Results from the 1970's are verified by the 2012 - 2014 sampling

## In the summer of 2012, a seismic reflection survey was completed aiming to image below two coincident geophysical anomalies

- A large-scale gravity low which is conducive to discovery since many of the high-grade deposits in the Athabasca basin are associated with low gravity & EM conductors
- The sources of these types of anomalies can be related to intensive clay alteration associated with mineralization



(1) blue line denotes unconformity; (2) red line denotes volcanic boundaries; (3) pink lines represent faults; (4) black lines indicates nearby drill holes are drawn in black; (5) blue numbers along edge are depth estimates.

Results of the seismic survey suggest drilling was too shallow

- In 2012/2013 a small exploratory RC drilling campaign was undertaken to test the geophysical anomalies
- **Drilling was undertaken prior to the results of the Seismic survey**
- RC drilling encountered mineralized alteration, potentially proximal to unconformity-hosted Uranium mineralization

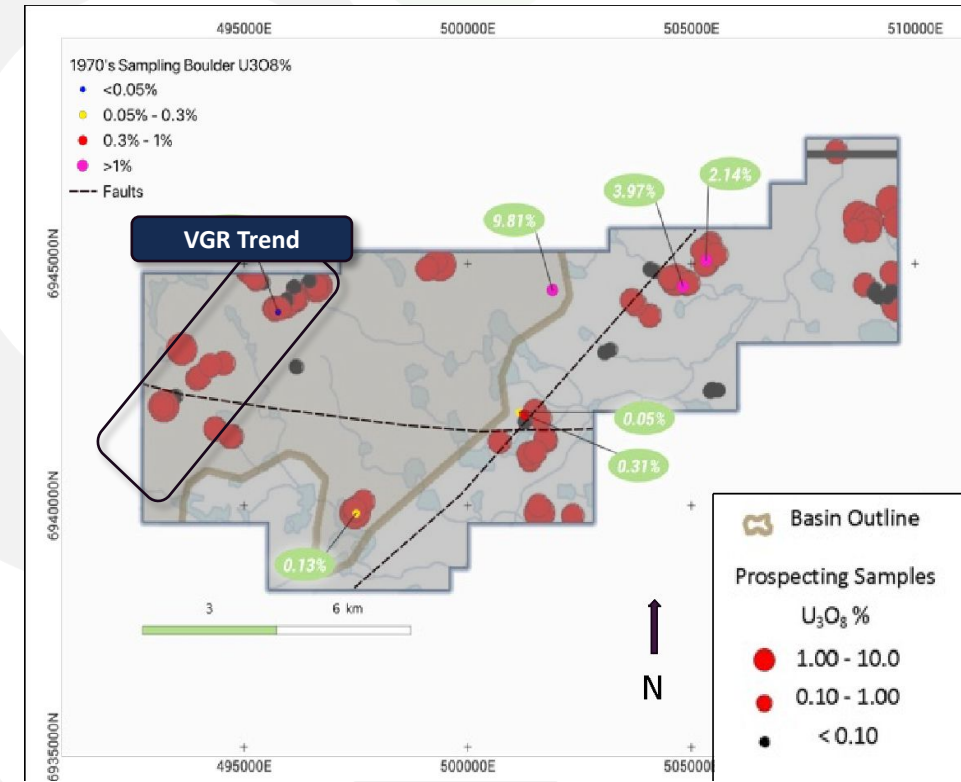
## Generation Uranium has inherited a project with several million dollars of historical exploration work conducted and several highly prospective drill targets

The known prospectivity from extensive historical exploration programs of the VGR trend on the Yath Project was never followed up with sufficient diamond drilling due to the uranium price collapse following Fukushima. With an abundance of data to build on, uranium prices now at all time highs and the recognition that nuclear will be the **energy of tomorrow, the opportunity is now.**

### An excerpt taken from the 2012 Assessment report:

*“The VGR represents one of the best settings for **high-grade unconformity-style uranium** mineralization on the property. Several geological and geophysical features combine to **greatly increase the prospectivity** of the area for deposits of this type, including its structural setting near the active margin of a Proterozoic basin, widespread surface mineralization associated with a conductive fault zone, and several strong gravity anomalies proven by drilling to overlie clay alteration along the fault. **These are all common features of unconformity-style deposits** in both Saskatchewan and Nunavut.”*

### Cross Cutting Faults & VGR Trend



## Leverage Historical Data

- Prior work has provided Generation with high-potential targets
- Seismic surveys have shown the key target horizon is typically deeper than previous drilling but still <300m deep



## Undertake Generation's Maiden Drill Program

- Results from data collation and high-resolution geophysics will be drill-tested

## Refine Targets with Modern Geophysics

- Early-season drone multi-platform geophysical surveys to add a further data layer to refine current targets

 **Anthony Zelen****CEO**

A successful entrepreneur and business manager Anthony brings logistical and managerial expertise to the company. Over the past 27 years, he has worked in roles ranging from investor relations, public relations, and strategic marketing for the technology, mining and oil and gas industries. Anthony also serves as the Director of several publicly traded companies and has number of successful private business ventures under his belt. He is a co-founder and director with Blockchain Intelligence Group (CSE:BIGG)

 **Marcy Kiesman****CPA, CMA - CFO**

Marcy Kiesman is a CPA, CMA with over 15 years experience in the public markets. Marcy is a prominent board member on multiple publicly traded companies. Marcy is able to provide a competitive advantage combining accounting, finance and strategic planning.

 **Chris Huggins****Director**

Mr. Huggins, B.Sc. Honours Geology has over 25 years experience working with mining, technology, and capital equipment companies in management, business development and operational roles. His early career began working as a regional exploration geologist for Homestake around the Eskay Creek, Snip Mine, Stewart and Dease Lake Camps. Over the past decade, Mr. Huggins developed and delivered innovative capital equipment and financial solutions for surface and underground mining operations across NWT and Yukon, managed Global and National Caterpillar accounts while at Finning, and is currently CEO of Collective Metals Inc., and C2C Metals Corp.

 **Dallas Miller****Director**

Dallas has been working within the international mining industry since 2010, both in Australia and in Papua New Guinea, working with BHP and Santos Ltd. Mr. Miller has a vast knowledge of the roles and responsibilities needed to take on and run a successful mining operation. Not only does he have experience on the ground from an operational standpoint, but he has also been an integral part in raising millions of dollars in capital funding for both private and public companies in recent years. Mr Miller is also a prominent member of numerous public companies.





# SHARE STRUCTURE & FINANCIALS

Shares Issued & Outstanding	24.72 MM
Warrants Outstanding	9 MM
Fully Diluted	33.72 MM



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