

INVESTING IN CANADA'S URANIUM EXPLORATION

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Qualified Person

Scott Frostad BSc, MASc, PGeo, Purepoint's Vice President, Exploration, is the Qualified Person responsible for technical content of this presentation.



US\$50MM spent in the development and refinement of this portfolio, including very substantial geophysics, interpretation and first pass drilling

The most speculative stage of investment has now been successfully completed



ATHABASCA BASIN LEGEND

■ Purepoint Properties	■ Cameco	★ Deposits
■ Purepoint/Cameco Property	■ Orano	● Major Showings
■ Purepoint/Cameco/Orano Property	■ Basin Depth	



Since 1968:

- Over 2 billion lbs. of U_3O_8 have been discovered in the Athabasca Basin across 38 separate deposits
 - Averaging more than 50 million lbs. each
 - Weighted average ore grade of 9.98%
 - Current insitu value of over US\$4Billion
 - A new high-grade discovery is made approximately **every 18 months**

Although the grades are renowned, it's the **bountiful and continuously rewarding** nature of the Basin that draws exploration



Extensive and Strategic Land Package

Substantial Financial Commitment

Respect for Capital

Persistence

- Over the past 20 years there has been approximately Cdn\$3 billion spent on uranium exploration in Saskatchewan
- Over the same period, **700,000,000 lbs. U_3O_8** have been discovered
- At a high level, the cost of discovery in Saskatchewan is approximately US\$3.00 per pound U_3O_8

Extensive and Strategic Land Package

Operating Explorer	Deposit	Total Portfolio size (hectares)	Grade	
UEX Corp	Kianna (2005)	234,000	1.47%	52,000,000
Denison Mines	Phoenix (2008)	208,000	18.48%	138,000,000
Hathor Exploration	Roughrider (2008)	313,000	4.73%	58,000,000
Fission Uranium/ Alpha Minerals	Triple R (2012)	103,000	1.50%	106,000,000
NexGen Energy	Arrow (2014)	200,000	2.51%	301,000,000
IsoEnergy	Hurricane (2020)	248,000	34.50%	45,000,000
				700,000,000 lbs. U₃O₈

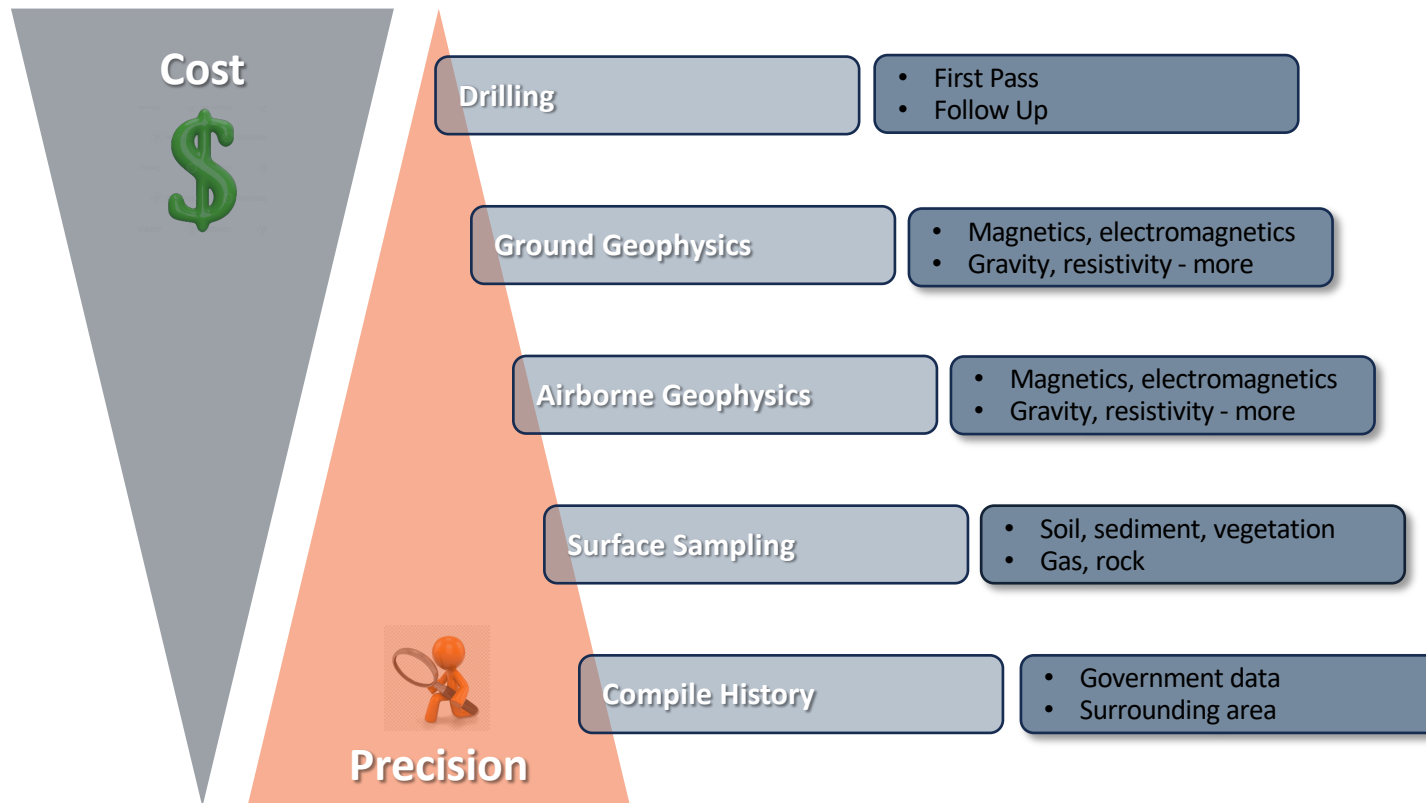
On average, companies were exploring a package
of projects in excess of **200,000 hectares** each

Substantial Financial Commitment

Operating Explorer	Deposit	Investment Leading up to Discovery	Grade	
UEX Corp	Kianna (2005)	n/a	1.47%	52,000,000
Denison Mines	Phoenix (2008)	n/a	18.48%	138,000,000
Hathor Exploration	Roughrider (2008)	US\$27,000,000	4.73%	58,000,000
Fission Uranium/ Alpha Minerals	Triple R (2012)	US\$65,000,000	1.50%	106,000,000
NexGen Energy	Arrow (2014)	US\$55,000,000	2.51%	301,000,000
IsoEnergy	Hurricane (2020)	US\$45,000,000	34.50%	45,000,000
				700,000,000 lbs. U₃O₈

These exploration companies each raised and spent **\$10's of millions** leading up to their first discovery hole

Respect for Capital



Investors focus on drilling; *however*

When a single drill hole can cost more than an entire geophysical program, the targeting process must be efficient and exhaustive

- Collect, compile and interpret as much current data as possible – **including neighbouring projects!**
- Perform as much appropriate surface work as possible prior to drilling
- Have clear objectives behind a drill program:
 - First pass?
 - What do you intend to learn?
 - Know when to move on!

Persistence

Operating Explorer	Deposit	Holes Drilled Prior to Discovery	Market Value Prior to Discovery	Current Value	
UEX Corp	Kianna (2005)	n/a	\$80,000,000	<i>Sold 2021</i> \$270,000,000	52,000,000
Denison Mines	Phoenix (2008)	249	\$1,200,000,000	\$2,400,000,000	138,000,000
Hathor Exploration	Roughrider (2008)	12	\$3,700,000	<i>Sold 2011</i> \$654,000,000	58,000,000
Fission Uranium/ Alpha Minerals	Triple R (2012)	22	\$110,000,000	<i>Sale 2024</i> \$1,140,000,000	106,000,000
NexGen Energy	Arrow (2014)	21	\$38,800,000	\$5,150,000,000	301,000,000
IsoEnergy	Hurricane (2020)	43	\$35,000,000	\$717,000,000	45,000,000
					700,000,000 lbs. U₃O₈

- These exploration companies generally drilled **over 25 holes** on that one project/target zone before hitting their deposit for the first time; and
- On average, shareholders at the time saw a gain in their share price of **over 1,000%** within 6 months of discovery

Extensive and Strategic Land Package



Large portfolio size and **multiple projects** within the Basin, indicating extensive exploration potential.

Substantial Financial Commitment



Substantial investment in exploration, both in terms of stages completed and dollar values, often seen prior to a discovery.

Respect for Capital



Efficient allocation of funds directly into exploratory activities and detailed definition work before extensive drilling.

Persistence



Commitment to advancing projects carefully, continuously learning and **reprioritizing targets** based on new data.

Experience



Teams with **deep expertise** specifically in uranium exploration and a strong track record in the Athabasca Basin.



Joint Venture Breakdown

- Cameco: 39.5%
- Orano: 39.5%
- Purepoint: 21.0%
- As the operator, Purepoint earns a 10% management fee



Next Steps

- Follow-up drill program at Carter Corridor for 2024 winter program
- The 25-kilometre strike length of the Carter structural/conductive corridor is almost entirely located within the Hook Lake JV project



Purepoint's **Spitfire** Discovery

- Resource not defined
- Results include 10.3% U_3O_8 over 10.0 metres

NexGen's **Arrow** Deposit

- 2018 PFS
- Indicated Resource
- **256,600,000** lbs U_3O_8
- Avg Grade **4.03%** U_3O_8

Fission's **Triple R** Deposit

- 2022 Resource Est.
- Indicated Resource
- **114,900,000** lbs U_3O_8
- Avg Grade **1.94%** U_3O_8

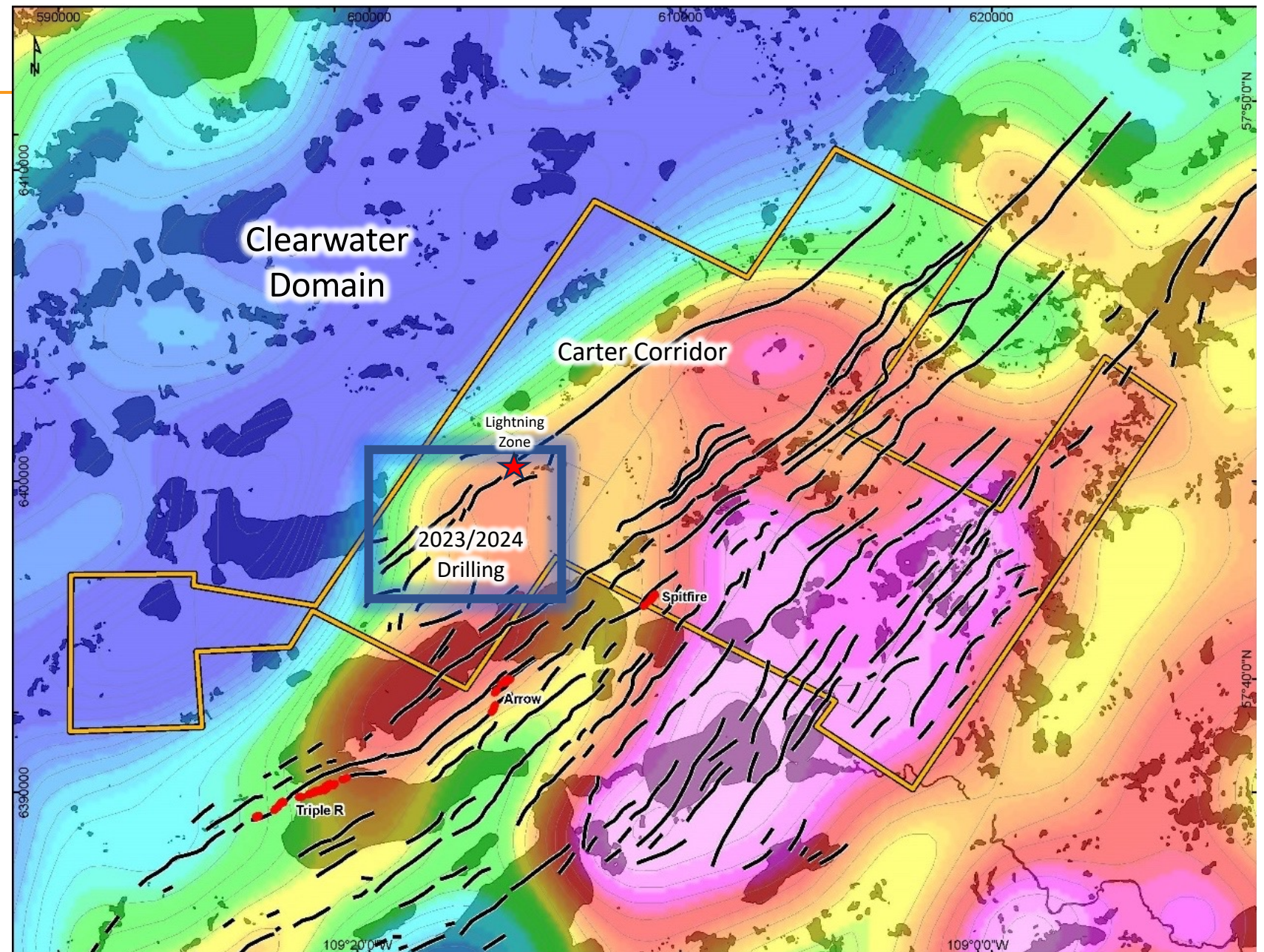


Carter Corridor

- **25km** band of graphitic conductors
- Ideal Rock Type
- Extremely close to hydrothermal heat source (Clearwater Domain)
- Complex, long-lived faulting pattern

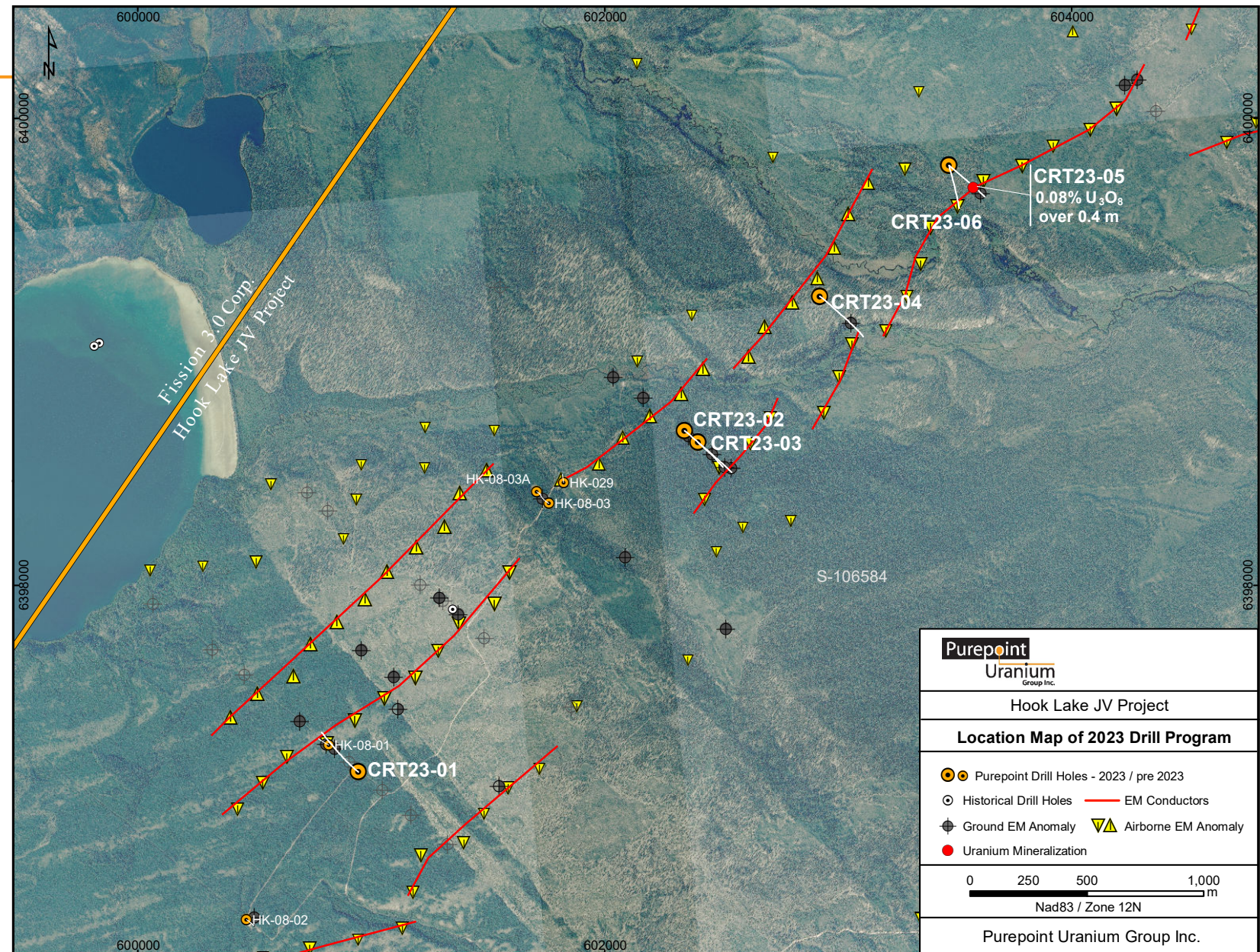
Last 12 Months

- 8,042m across 10 holes
- 5-800m step outs testing just over 5 km so far
- 2024 Identification of the Lightning Zone



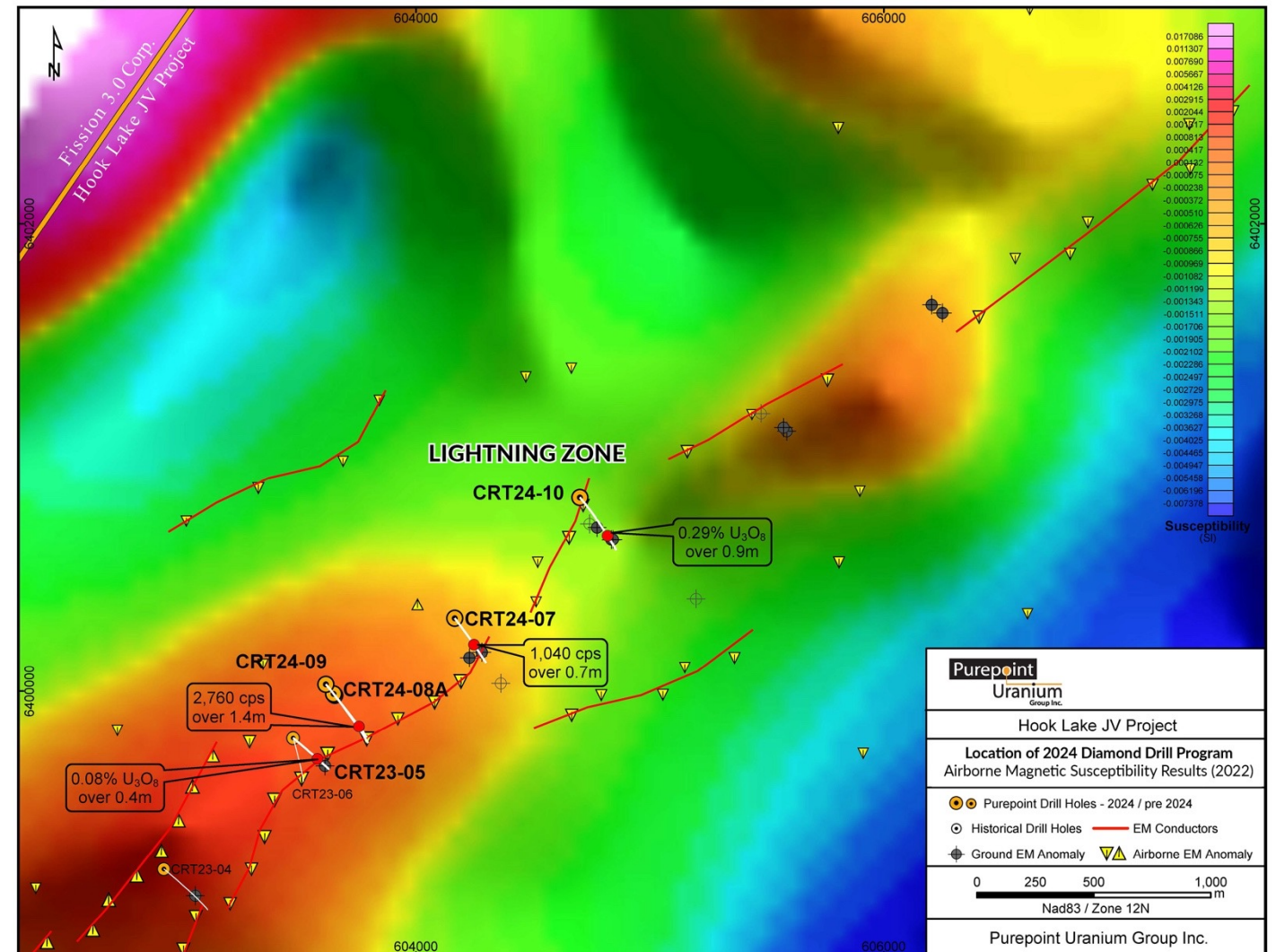
Drill Results

- Diamond drill hole CRT23-05 returned **0.08% U₃O₈ (671 ppm U) over 0.4 metres** (319.1 to 319.5m) from a 15 metre graphitic shear zone (318 to 333m) below the unconformity (283m)
- In addition, the CRT23-05 mineralization was found to be surrounded by a significant boron halo returning greater than **800 ppm B** over 35 metres (305-340m)



2024: Discovery of the Lightning Zone

- CRT24-10 intersected a 13 m wide zone of altered brecciation and shearing that returned **0.29% U₃O₈ over 0.9 metres** (at a true vertical depth of 375 metres), **including 0.68% U₃O₈ over 0.3 metre**.
- CRT24-08A, a 200 metre step out from CRT23-05 towards the northeast, encountered a 28 metre wide graphitic shear zone with clay alteration and local brecciation between 330 and 358 metres. Mineralization was intersected within a breccia zone that returned peak radioactivity of 7,370 cps and averaged 2,760 cps over 1.4 metres.
- All the 2024 drill holes were collared northeast of CRT23-05 that intersected 0.08% U₃O₈ over 0.4 metres within a 15 metre wide graphitic shear zone with local brecciation and intense clay alteration.



Drilling to date has identified a large region of elevated uranium



Description

- 9,706 hectares situated in the easter plane of the Athabasca Basin
- 100% owned
- Assessment held until August 2031



Next Steps

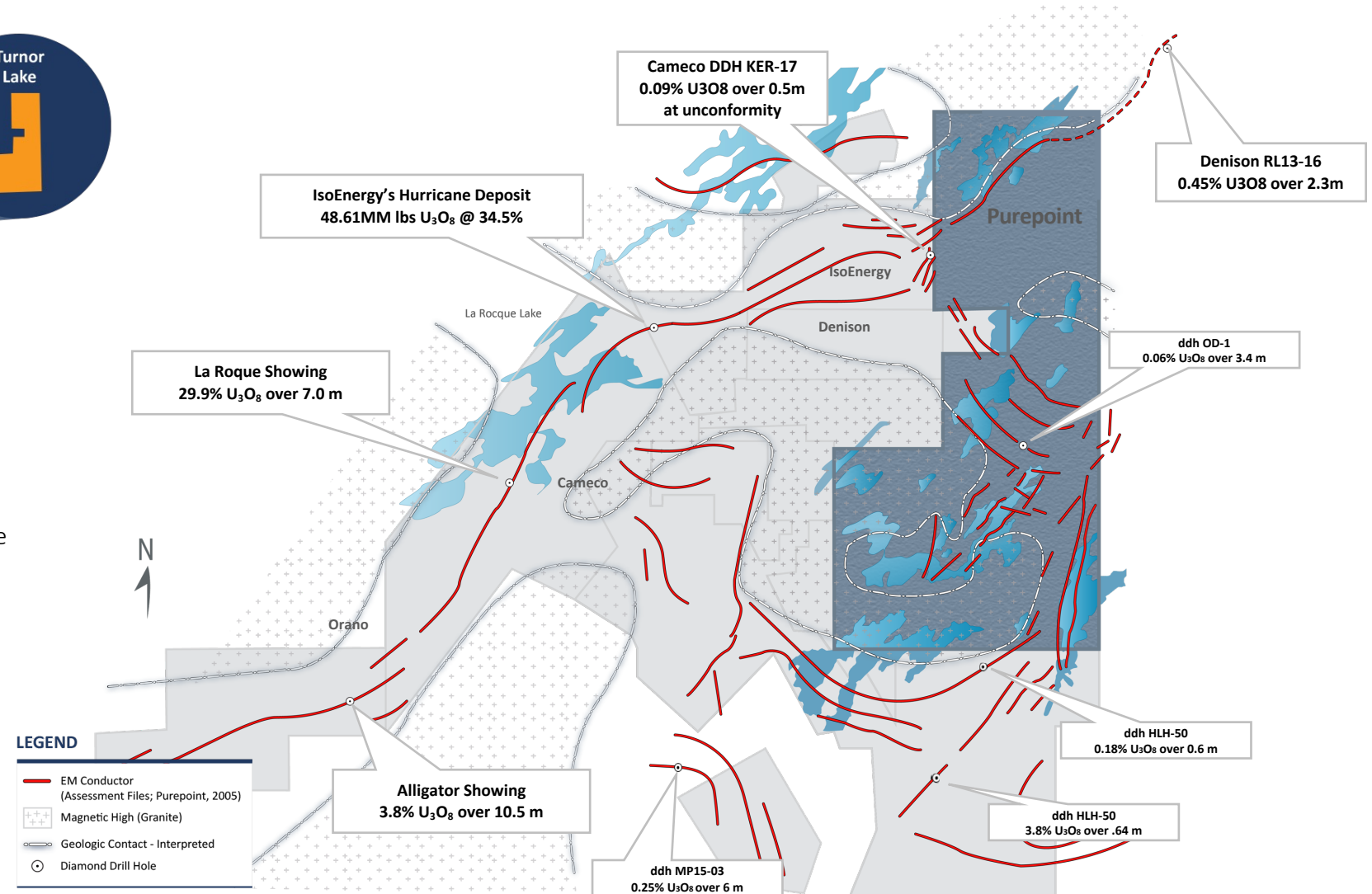
- Results from 2 drill holes drilled at Turnor Lake during fall 2022 will be used to re-interpret airborne and ground geophysical data before designing a follow-up program

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- Assessment held until: August 2031

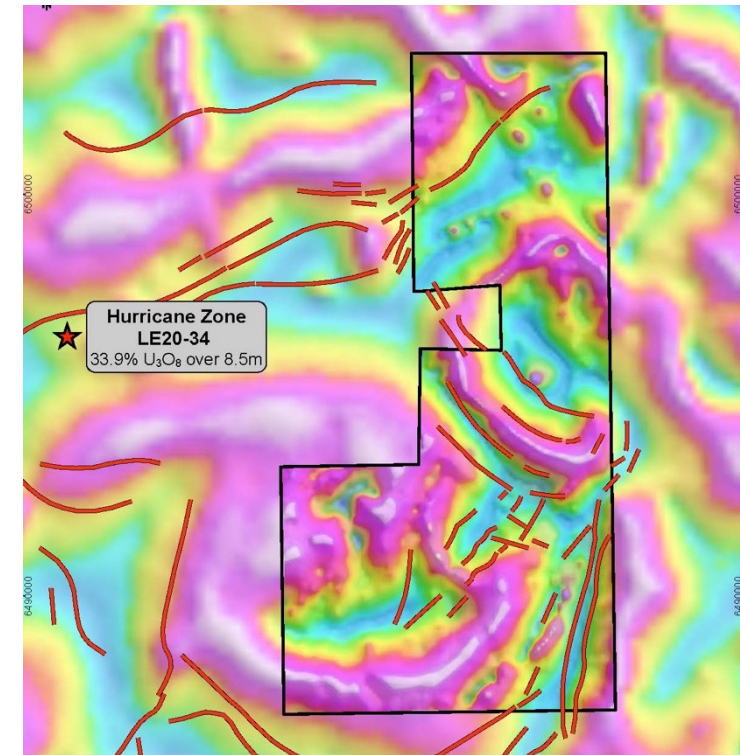


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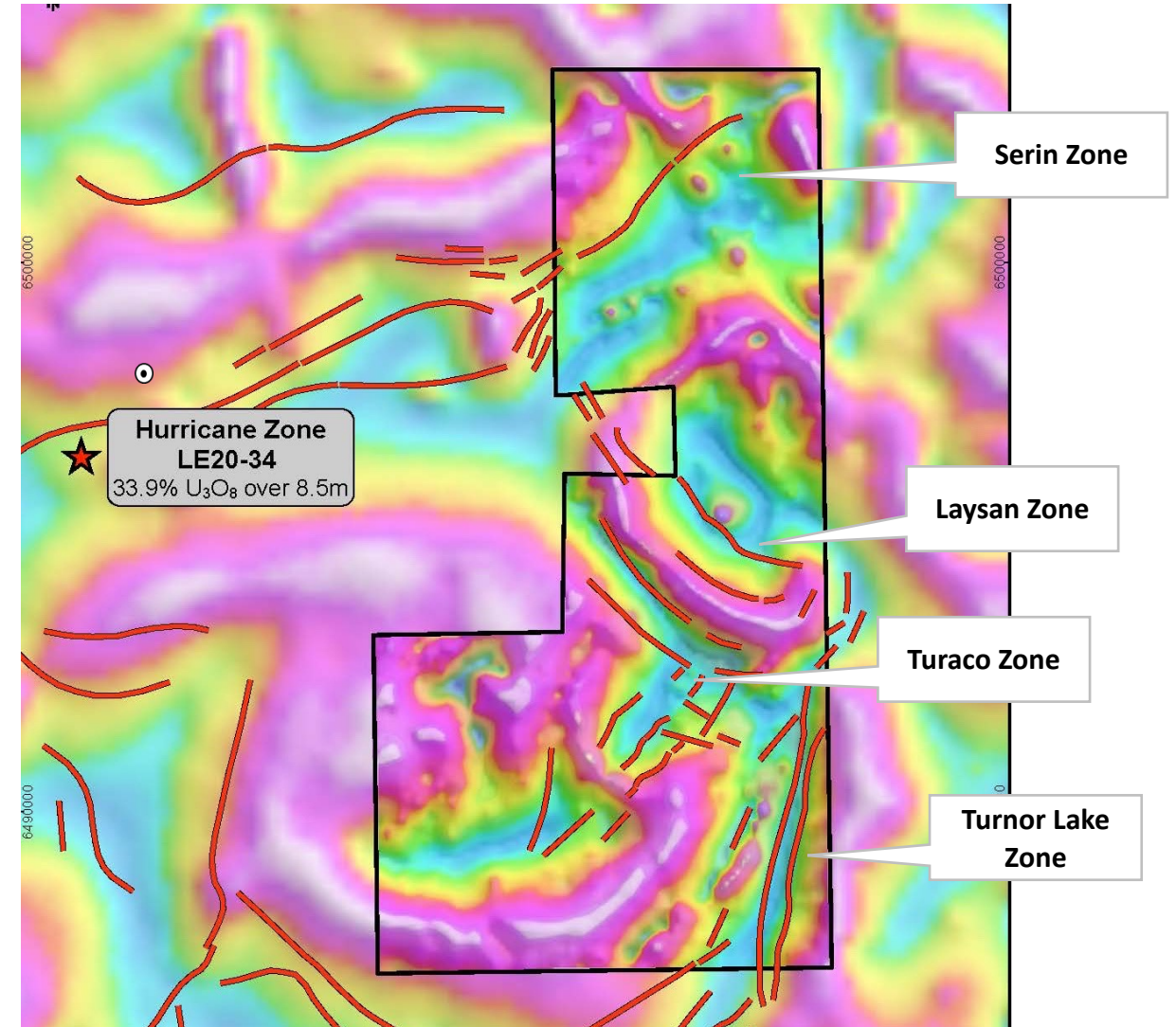


Drilling to date has identified a large region of elevated uranium



Description:

- 9,706 hectares situated in the eastern plane of the Athabasca Basin
- 100% Owned
- Assessment held until: August 2031



A host of ready targets



Description

- 22 mineral claims for a total of 40,116 hectares
- 100% owned
- 2022/23 winter drill program intersected uranium mineralization along 2 km at the Osprey zone



Next Steps

- Prospecting and field checking of Dancing Lake, Long Lake, Topping Island, Golden Eye, Ghost Lake, Horse Lake, Boundary, Jeffrey, Dominic and Cuning Bay areas is scheduled for Q4-2023

~10km NE of Orano's JEB Mine & ~10km N of Cameco's Eagle Point Mine



Description:

- 22 mineral claims with a total area of 40,116 hectares
- **100% Owned**
- **2023 Fall Drill Program:**
 - 9 priority targets to be drill tested



Due south of some of the Basin's largest uranium deposits



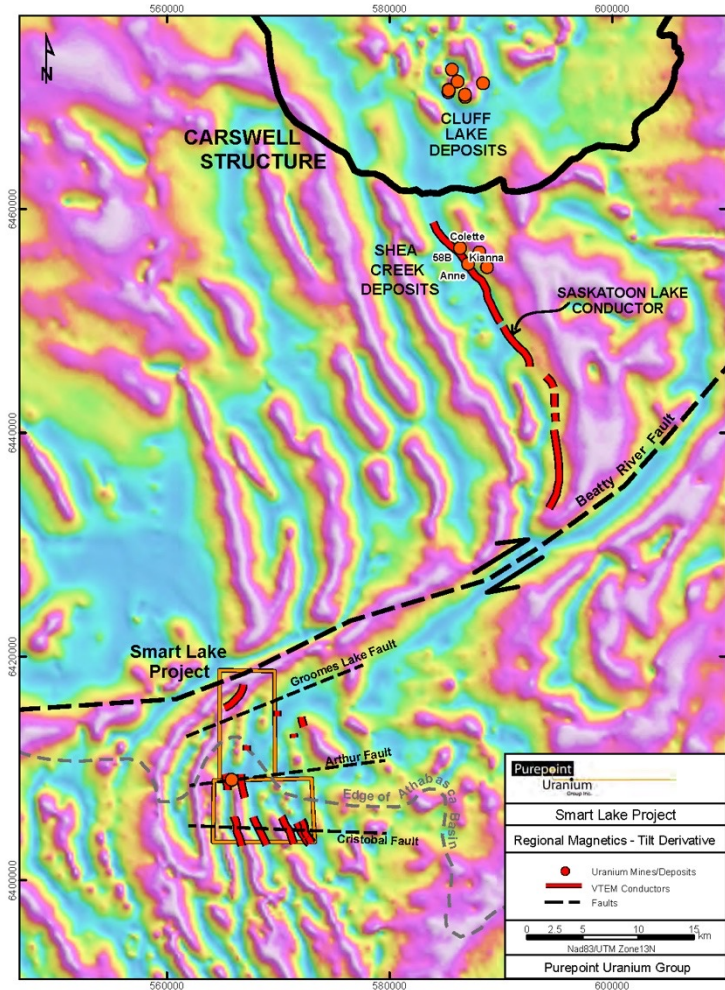
Description

- 9,860 hectares ~18 km west-northwest of Hook Lake JV and ~60km south-southwest of Orano's former Cluff Lake Mine
- Joint Venture Breakdown
 - Cameco Corp: 73%
 - Purepoint: 27%

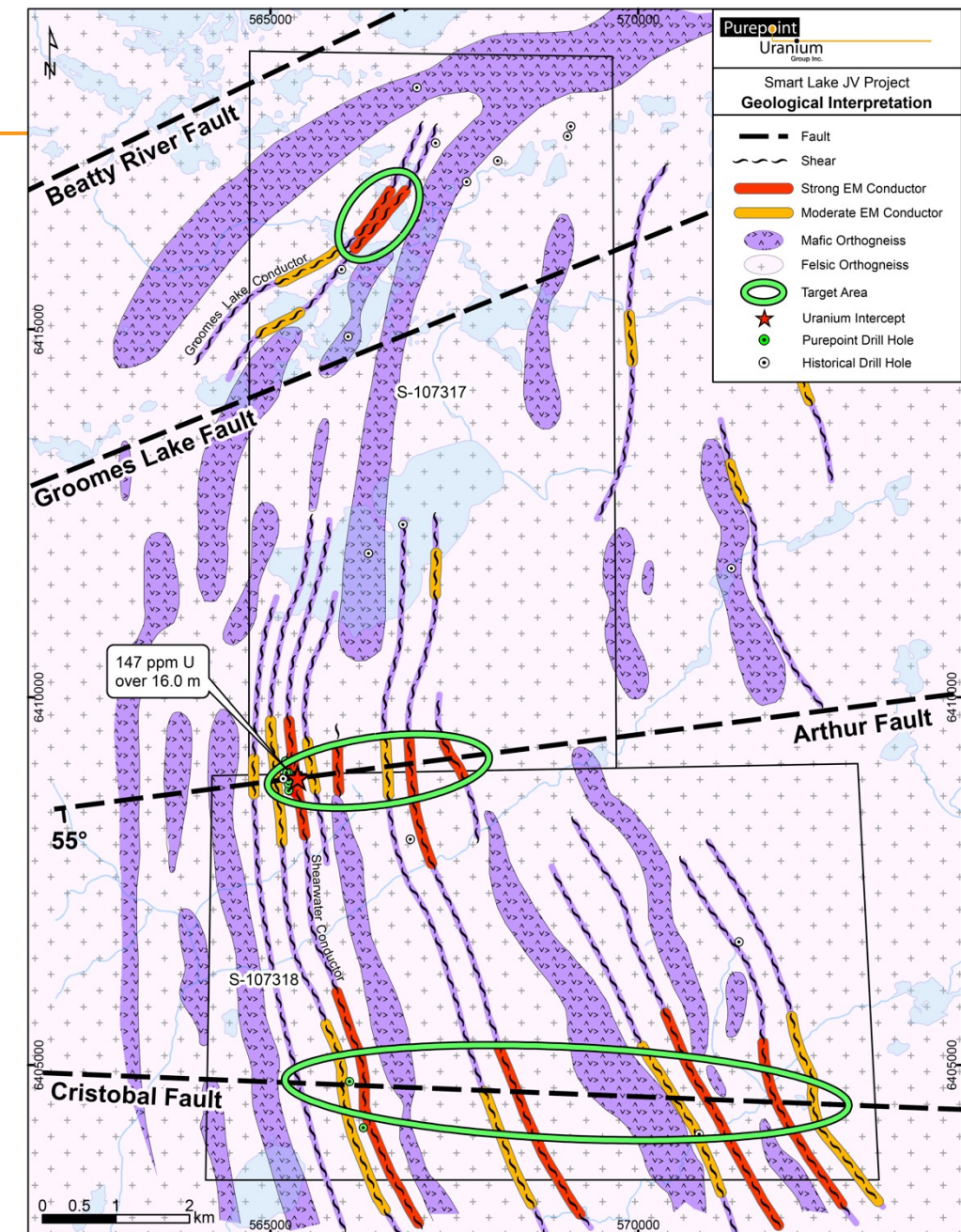


Next Steps

- Follow-up airborne geophysics and geological field mapping is planned for 2024 calendar year



- Geologically connected to the Shea Creek Deposit
- The Smart Lake targets represent the southern end of the “Saskatoon Lake Conductor: displaced along the Beatty River Fault
- Early drilling by the JV partners, intersected basement-hosted uranium mineralization associated with a hydrothermally altered, graphitic shear zone that included 15.4 metres of 147 ppm U only 200 metres from surface
- Comparable to the Patterson Uranium District, key geological processes required for the development of high-grade uranium deposits are considered to be clearly present at Smart Lake



Due south of some of the Basin's largest uranium deposits



Description

- 70,598 hectares situated just outside of the Athabasca Basin and due south of some of the Basin's largest uranium deposits
- 100% owned



Next Steps

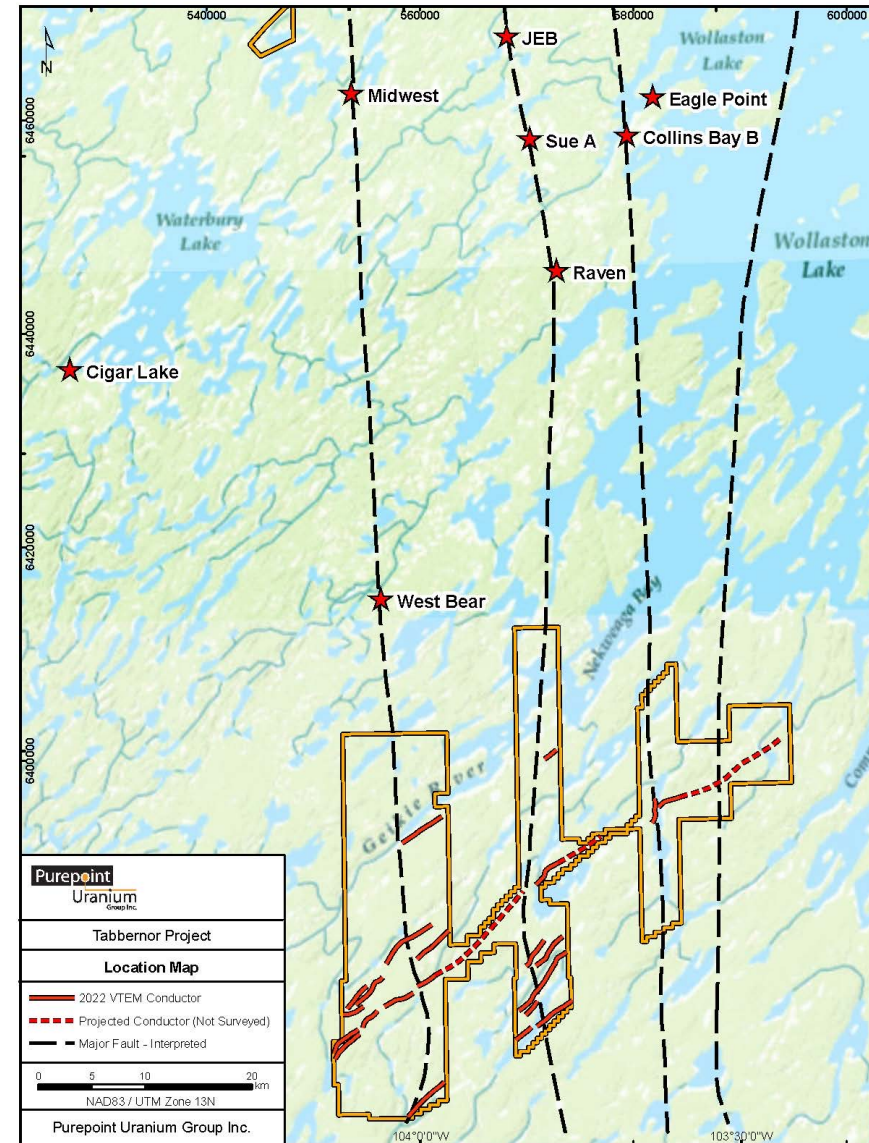
- Follow-up airborne geophysics and geological field mapping

Tabbernor Fault System (TFS)

- The TFS is a wide, >1500 km geophysical, topographic and geological structural zone
- It hosts over 80 historic mines and gold occurrences, as well as cross cuts the Basin's mine trend aligning itself with 8 of the Basin's largest discoveries

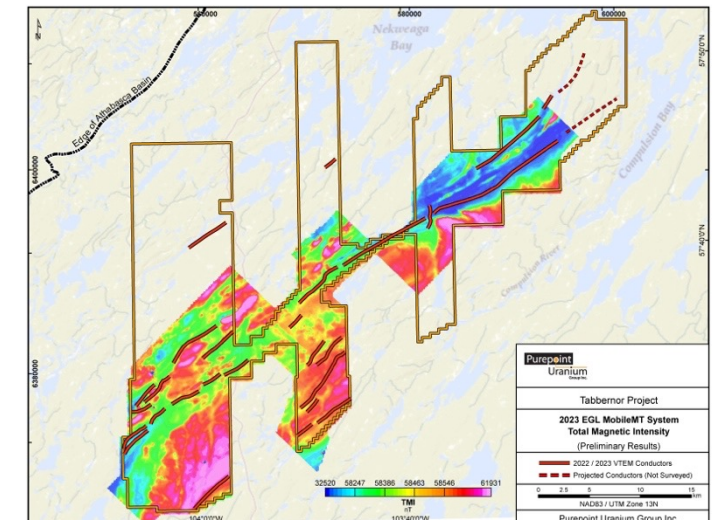
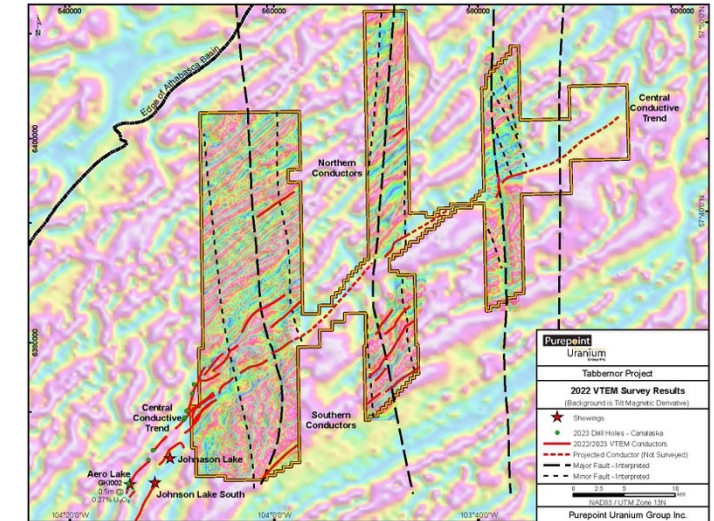
Survey Results

- A 2,962 line-km 2022 VTEM geophysical results showed the project hosts three belts of east-northeast trending conductive rocks with over 70 km of total conductor strike length
- A 2,667 line-km airborne MobileMT geophysical survey focused on the 50-kilometre conductive corridor that cuts through the project
- Project encompasses 79,463 hectares



100% OWNED TABBERNOR PROJECT

Located within the Tabbernor Fault System



HIGHLY QUALIFIED LEADERSHIP TEAM

With decades of experience in the Athabasca Basin



Chris Frostad, BBA, CA, CPA - President & CEO and Director

- 35+ years of experience in the development and building a variety of high growth, early stage, public and private companies in both the technology and mining and metals industries.
- Served as President & CEO of Minera Alamos Inc (MAI) and director of Victory Capital Corp (VIC) and Enthusiast Gaming Holdings Inc (EGLX) as well as CEO in Resident of Toronto-based Venture Capital Firm.



Scott Frostad, BSc, MAsC, PGeo – Vice President, Exploration and Director

- 30+ years of experience in the mining industry throughout Canada.
- Worked with renowned mining companies such as Lac Minerals, Teck and Placer Dome. Most recently, he was Environmental Specialist for Cogema Resources Inc. and managed environmental issues at both the Cluff Lake and McClean Lake Uranium Mines in Northern Saskatchewan.



Jeanny So, Corporate Communications

- 20+ years of sales and investor management leadership in the Capital Markets
- A communications and relationship expert with a well-respected reputation within the mining industry



Linda Tong, GIS Specialist

- 20+ years of experience in GIS application, GIS development and computer programming.
- Linda has been Purepoint's GIS Specialist since January 2016.



Colin Fehr, B.Sc., G.I.T., Senior Geologist

- 9+ years of exploration and mine site experience in a variety of commodities
- Experienced Project Manager who regularly supervises diamond drill operators, contractors and junior technical staff.



Aaron Lyrette, B.Sc., G.I.T., Project Geologist

- A skilled geologist that prioritizes safety and responsible environmental practices.
- Professional experience includes project management, core logging, geological interpretation, geographic information systems (GIS) and geological mapping.



Jessica Goodnoh, BSch, Exploration Geologist

- A bilingual exploration geologist, Jessica excels in core logging, geological mapping, borehole surveying and ArcGIS.
- She has mineral exploration experience within Canada and US for commodities including gold and uranium.

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Allan Beach, BA, LLB, Director and Corporate Secretary

- Former partner Fasken Martineau DuMoulin LLP, with over 30 years of experience emphasizing mergers and acquisitions, venture capital, tax advantaged structures and general corporate finance



**Borys Chabursky, BCS
– Director**

- Founder of Shift Networks and served as the Chairman of SHI Capital, a boutique investment bank, and President of SHI Ventures, a vehicle through which he has invested as an angel in over 40 companies.



**Ram Ramachandran, BA, CA, CPA
– CFO**

- Spent 11-years as Deputy Director and Associate Chief Accountant with the Ontario Securities Commission.

Exploration discovery delivers the most dramatic inflection point in resource value

TSX Venture: PTU | OTCQB: PTUUF

Market Capitalization (\$Cdn as of July 23, 2024)	\$12.51 mm
52 Week Range	\$0.075 - \$0.025
Shares Outstanding	500.77 mm
Options (@\$0.08 weighted avg.)	49.20 mm
Warrants (@\$0.10 weighted avg.)	140.88 mm
Shares Fully Diluted	690.85 mm
Insider Ownership	~5.0%
Institutional Ownership	~38%
Cash on Hand	~\$1.00 million



Carefully Assembled Athabasca Basin Portfolio

Actively advancing a deep pipeline of strategically situated, drill ready projects in the world's richest uranium district



World Class Partners

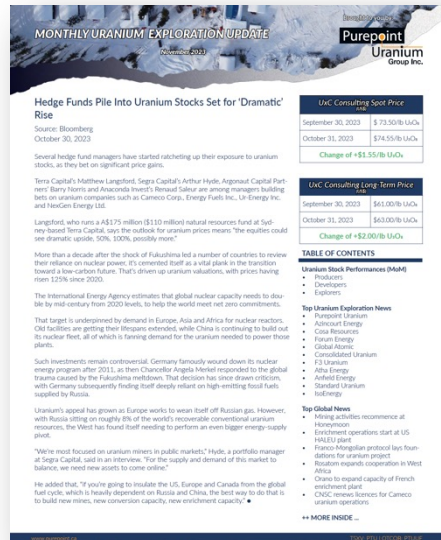
The only exploration company actively partnered with, funded by, and operating for world class producers Cameco & Orano



Experience & Patience

Proven team shouldered the downturn while maintaining and advancing some of the Basin's most valuable prospects

PTU Monthly Uranium Exploration Newsletter



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