

Drilling Planned at 3 Key Projects:

***Red Willow
Turnor Lake
Hook Lake***

FORWARD-LOOKING STATEMENTS



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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.

Re-Establishing Priorities Across the Athabasca Basin

2022 Completed

Red Willow

Osprey Zone

Follow Up on:

RW-19 **0.12% U_3O_8** over 4.0 metres; and

RW-40 **0.47%** over 1.5 metres

12 holes, 2,088 metres

1.2 km continuous radioactivity along conductor target

2022 Confirmed

Red Willow

Osprey Zone

Follow Up Drilling

Turnor Lake

Untested Serin Conductor along LaRocque Corridor

On trend with ISOEnergy's *Hurricane* **33.9%** over 8.5m,

Cameco's *LaRocque* **29.9%** over 7.0m & Orano's

Alligator **3.8%** over 10.5m

Hook Lake JV

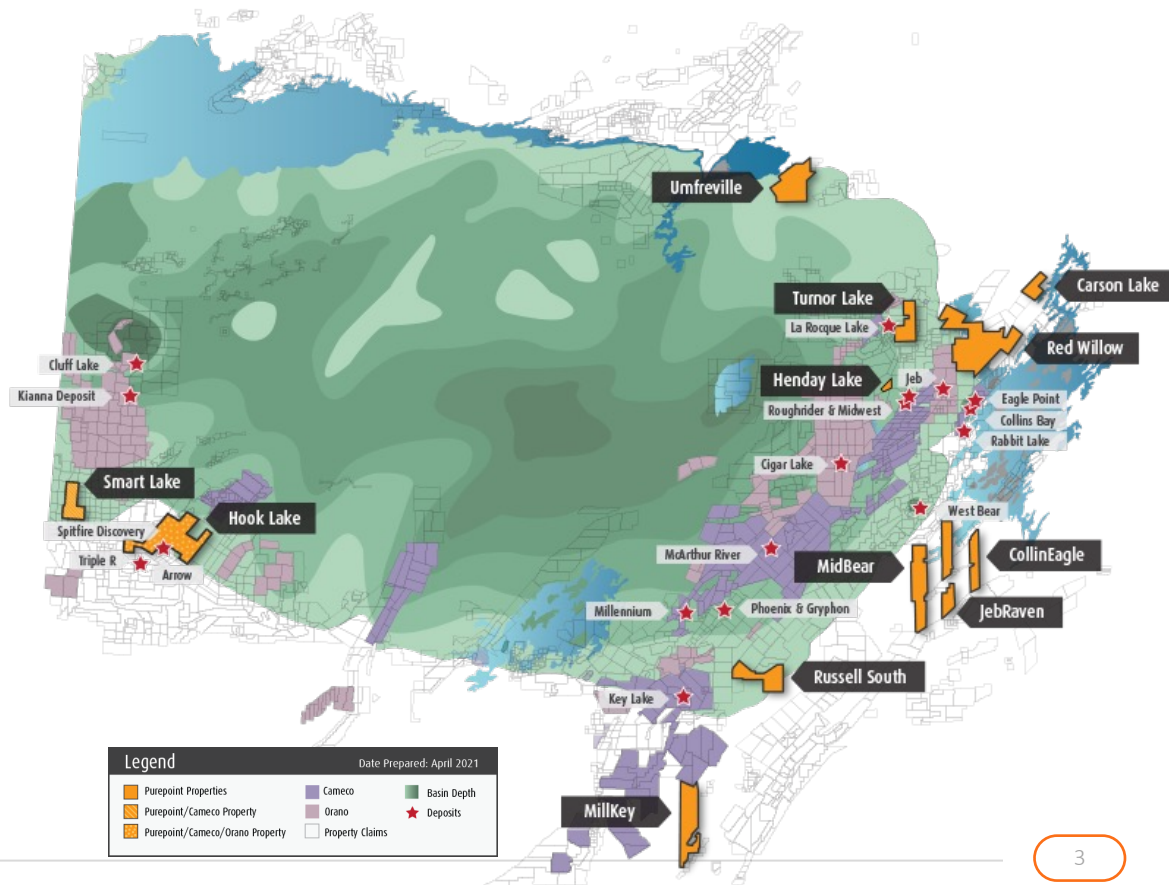
Deep sensing airborne geophysics over *Carter Corridor*

Russell South/Carson Lake

Airborne gravity surveys

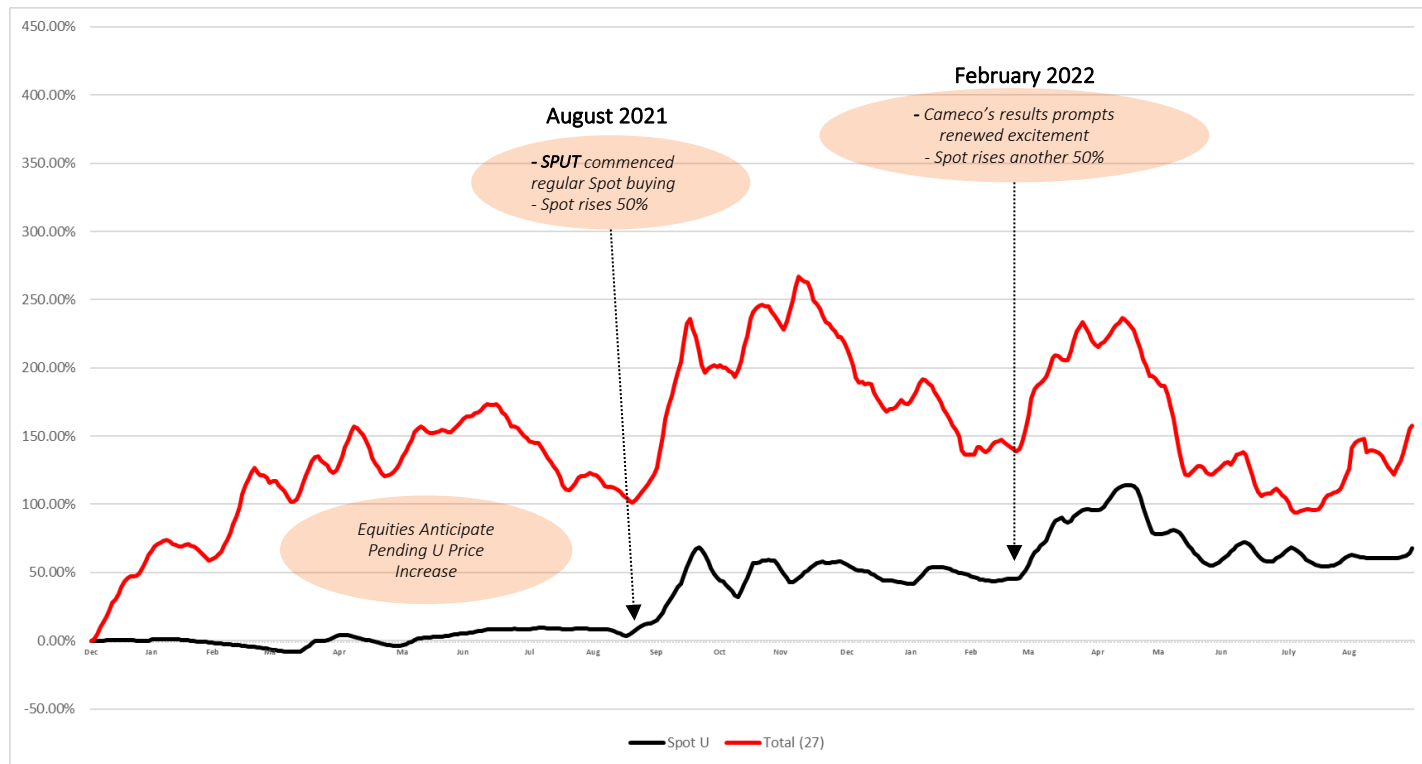
Tabbarnor Block

Initial airborne VTEM surveys



Uranium's Bull Run

Toronto Listed Uranium Companies (27)
% Price Changes Since Dec 1, 2020 (to Aug 31/2022)



Long-Term Uranium Price

Dec 1, 2020 US\$33.00 per lb. U_3O_8

Sept 1, 2022 US\$50.00 per lb. U_3O_8

Increase of 51%

Incentive Price

(Required to Build or Open U Mines)

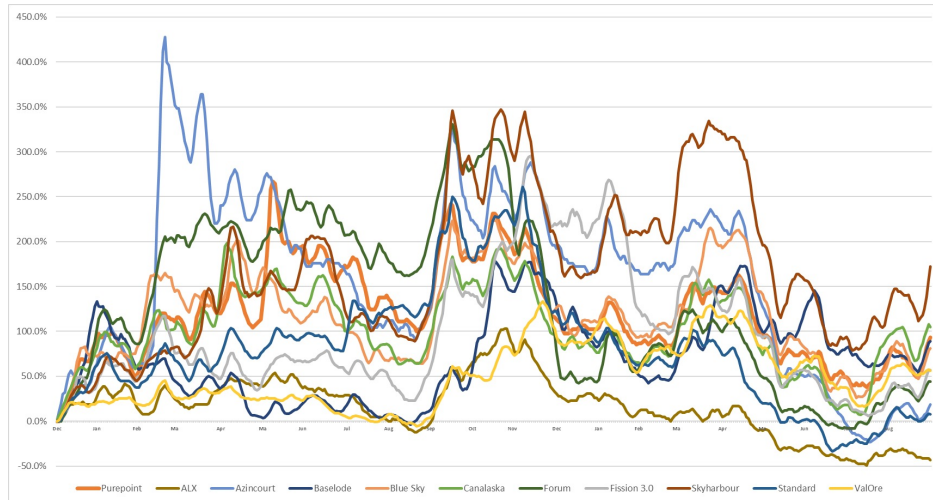
US\$60 – \$70.00 per lb. U_3O_8

An Additional Increase of 25 - 50%

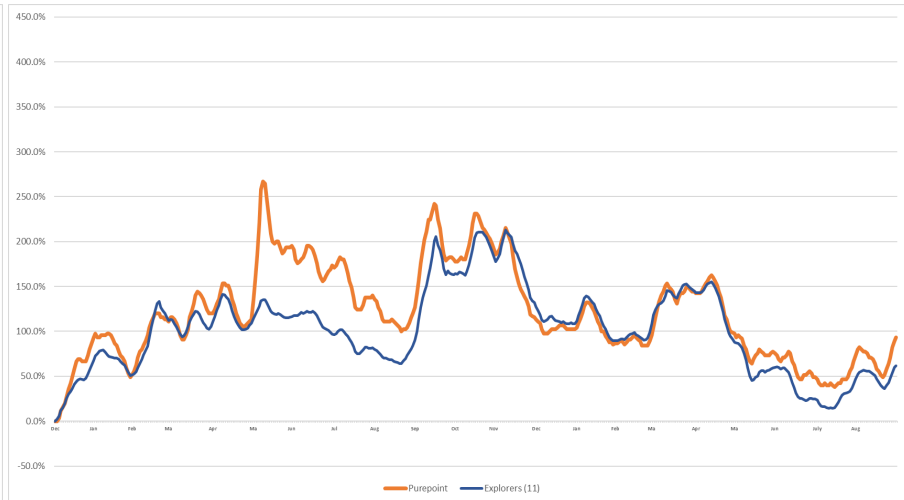
Uranium's Bull Run

*Toronto Listed Uranium Explorers (11)
% Price Changes Since Dec 1, 2020 (to Aug 31, 2022)*

Significant Volatility Demonstrated Amongst U Explorers

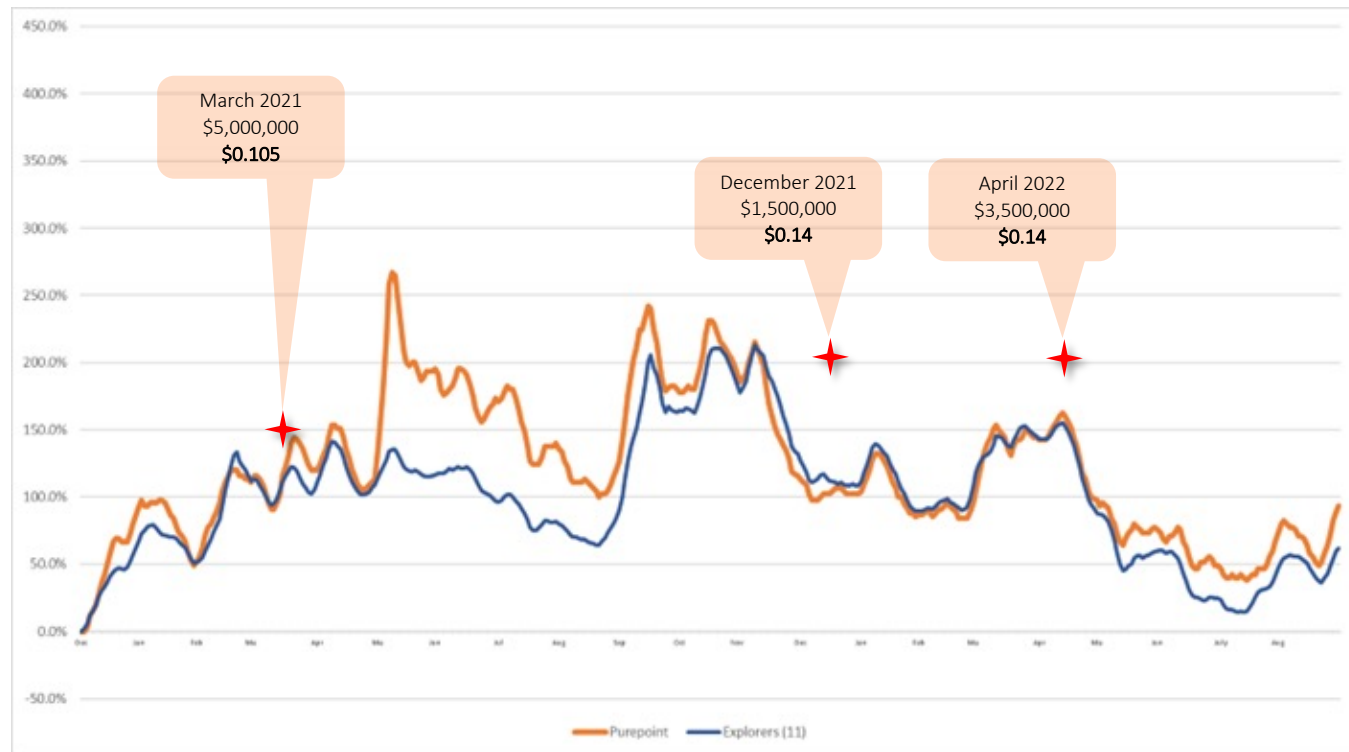


Purepoint Reliably Represents the Sector Average



Uranium's Bull Run

Toronto Listed Uranium Companies (27)
% Price Changes Since Dec 1, 2020 (to Aug 31/2022)



Careful, Strategic,
Well Priced
Private
Placements

Current Cash Balance
\$3,000,000

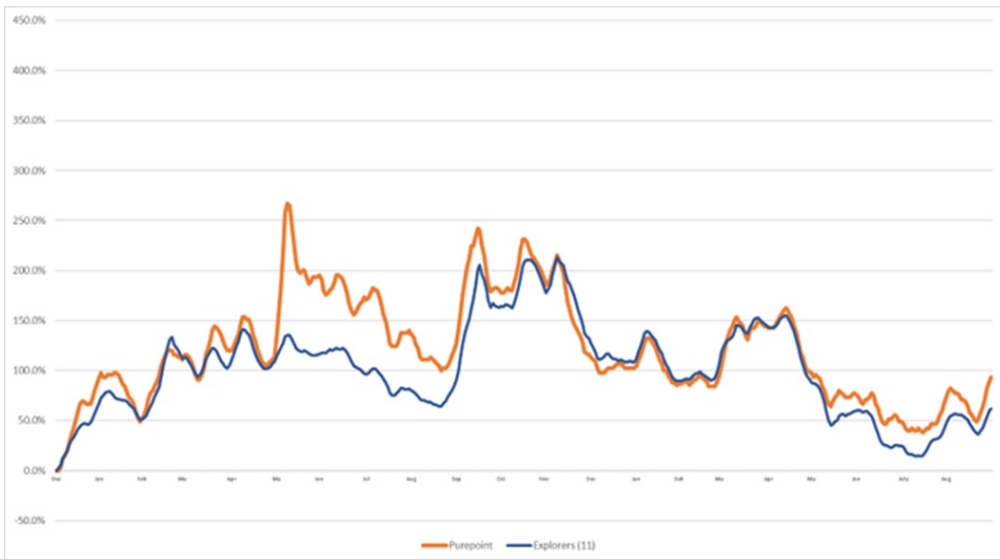
\$2.0MM hard \$
\$1.0MM flow through \$

Annual overhead
\$500,000

Capital Structure

Fully Funded For Upcoming Exploration Schedule

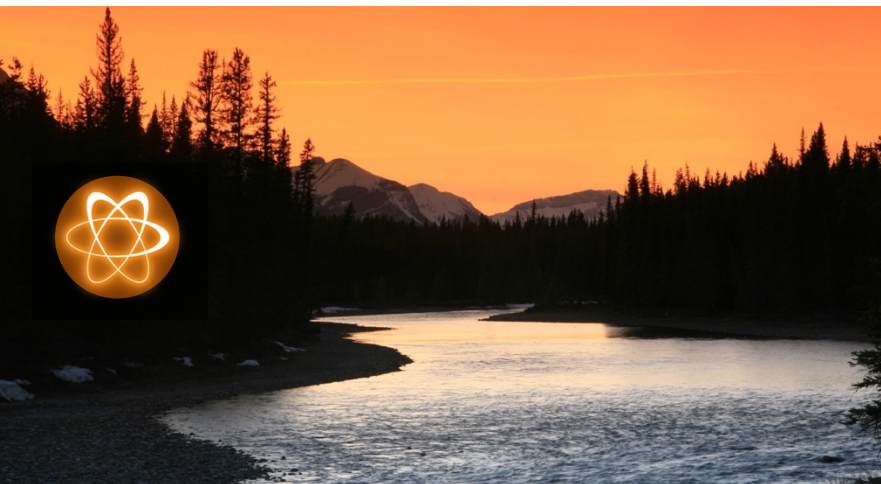
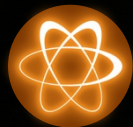
Share Price Change Since Dec 1, 2020
(5 Day Rolling Average)



TSX Venture: PTU/ OTCQB: PTUUF

Market Capitalization (as of Aug 31, 2022)	\$30.9 mm
52 Week Range	\$0.17 - \$0.06
Shares Outstanding	368.84 mm
Options (@\$0.09 weighted avg.)	29.00 mm
Warrants (@\$0.11 weighted avg.)	119.01 mm
Shares Fully Diluted	516.85 mm
Insider Ownership	~4.5%
Institutional Ownership	~27%
Cash on Hand	~\$3.0 million

Deep Portfolio of Advanced and Highly Prospective Projects



Since 2002, Purepoint has acquired and explored over 500,000 hectares of property across the Athabasca Basin, quickly and efficiently releasing those demonstrating the fewest prospects.

What remains is a collection of well understood projects with dozens of clearly defined, uranium bearing targets that have been safely maintained in order to maximize their value during the current uranium price revival

Joint Ventures



- Hook Lake Project
- Smart Lake Project

100% Owned

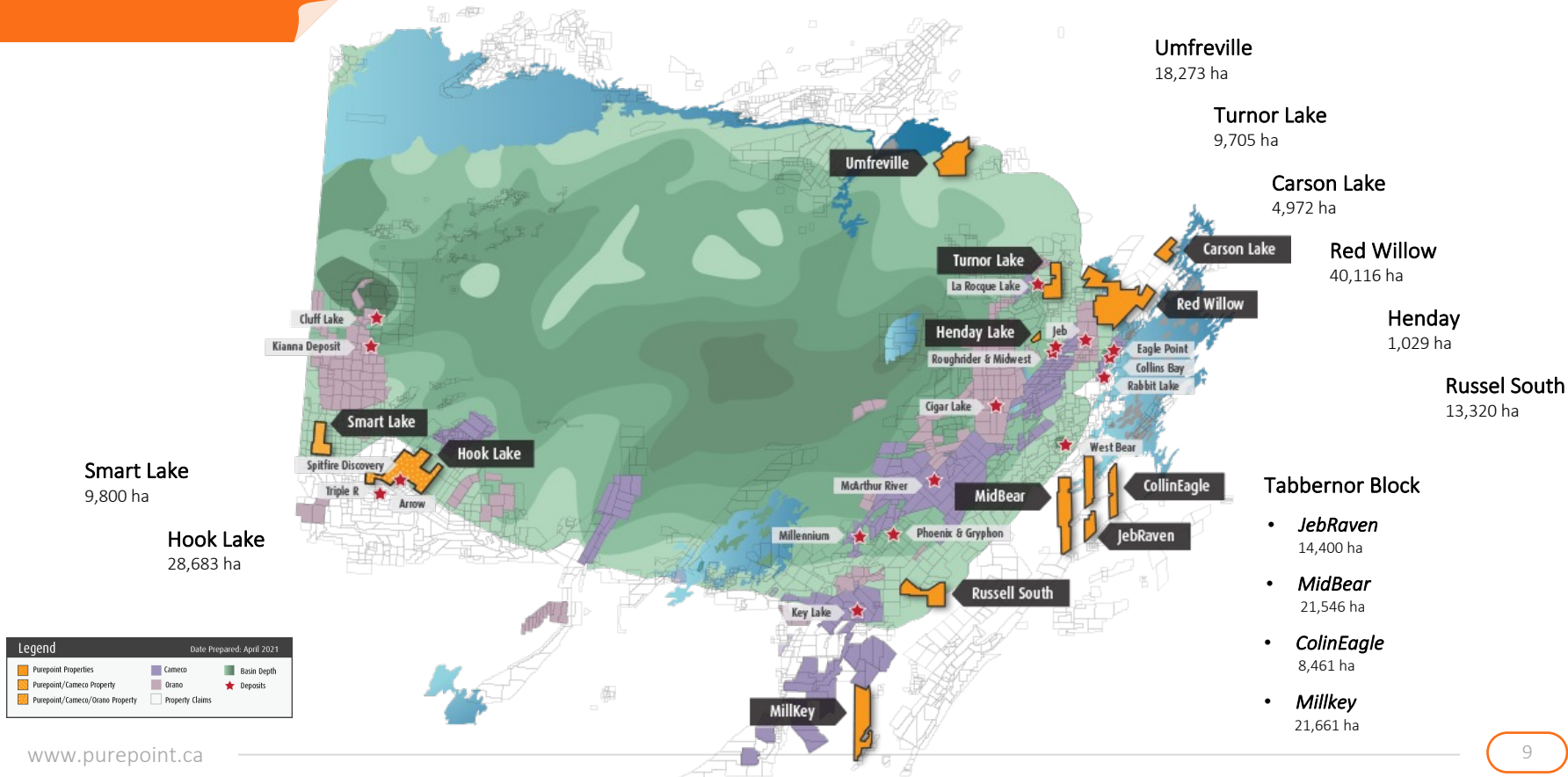
10 projects

153,483 hectares

Eastern Athabasca Basin Mine Belt

Portfolio of Projects in the Athabasca Basin

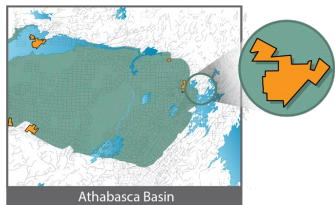
Nearly 200,000 hectares covering all stages of the exploration cycle



Red Willow
100% owned

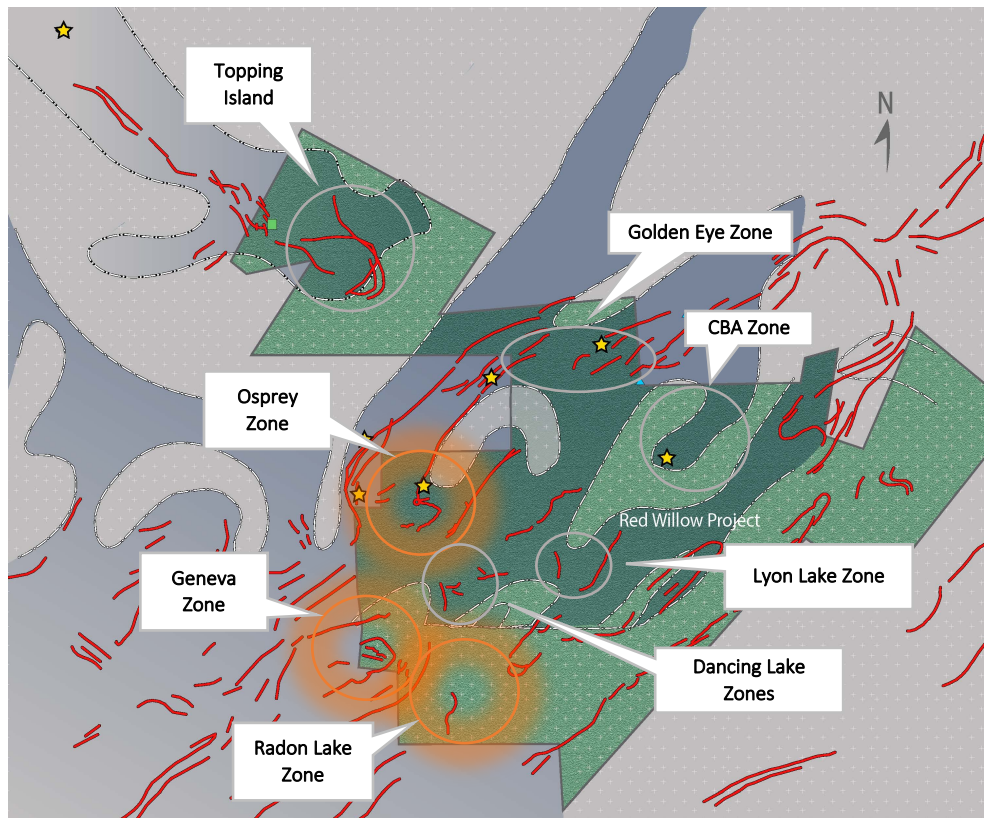
Red Willow

A Host of Ready Targets



Description:

- 22 mineral claims having a total area of 40,116 hectares
- 100% Owned
- 2022 Drill Program:
 - *Priority targets*
 - Osprey Zone
 - Geneva/Radon Lake



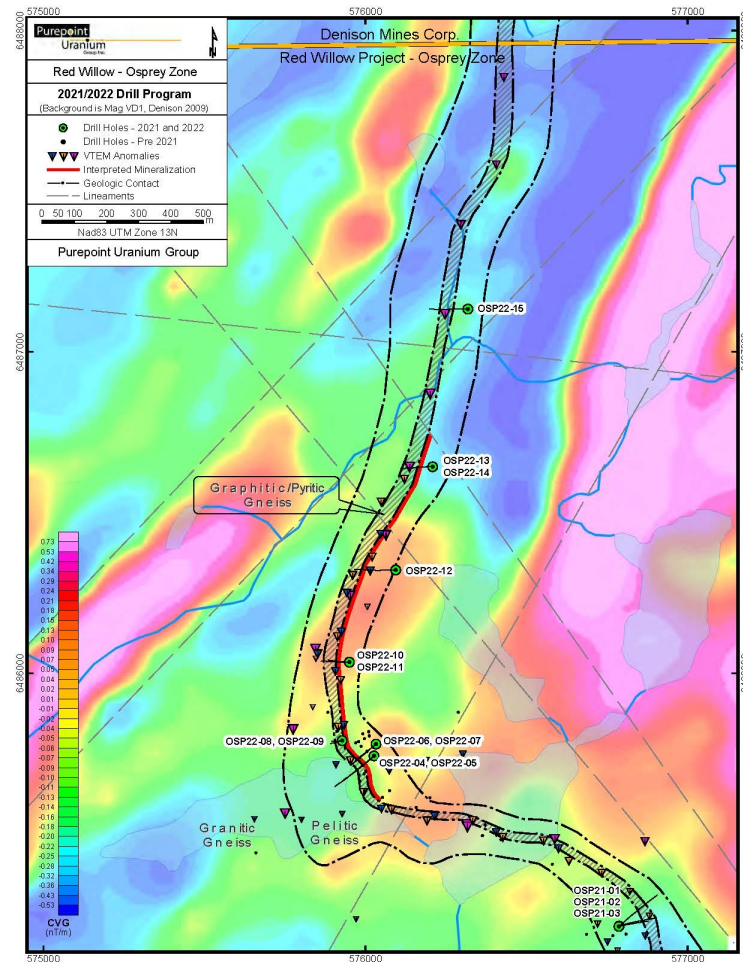
Red Willow
100% owned

Osprey Zone

Expanding the Discovery

- 12 holes were completed this winter totaling 2,088 metres at the Osprey Zone
- Nine of the twelve holes encountered anomalous radioactivity at a shallow depth from surface across a distance of 1.2 kilometres
- The electromagnetic conductor that represents the graphitic unit hosting mineralization continues for an additional 1.2 kilometres north of the completed drilling and nearly one kilometre to the south
- Purepoint will recommence drilling in September 2022 to continue the expansion of this prospective conductor

Hole Number	From (m)	To (m)	Width (m)	Avg CPS	Peak CPS
OSP22-04	44.6	45.6	1.0	530	8,830
	47.2	49.0	1.8	570	
	71.0	72.1	1.1	3,210	
	75.9	76.4	0.5	870	
	148.7	149.2	0.5	730	
OSP22-05				N/A	N/A
OSP22-06	75.2	75.7	0.5	1,210	33,070
	77.7	79.3	1.6	590	
	86.5	90.5	4.0	5,800	
OSP22-07	124.2	125.5	1.3	740	2,070
	127.1	127.6	0.5	1,040	
OSP22-08	142.8	143.3	0.5	630	950
OSP22-09				<500	290
OSP22-10	72.6	74.1	1.5	560	1,160
	78.4	80.5	2.1	840	
	104.6	105.1	0.5	630	
OSP22-11				<500	675
OSP22-12	144.6	145.0	0.5	669	6,367
	147.0	147.8	0.7	2,944	
	148.8	150.0	0.8	2,733	
OSP22-13	77.0	77.5	0.5	5,839	8,002
OSP22-14	72.0	72.5	0.5	687	1,140
OSP22-15				<500	303



Hook Lake JV Cameco/Orano/Purepoint

Purepoint's **Spitfire** Deposit

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

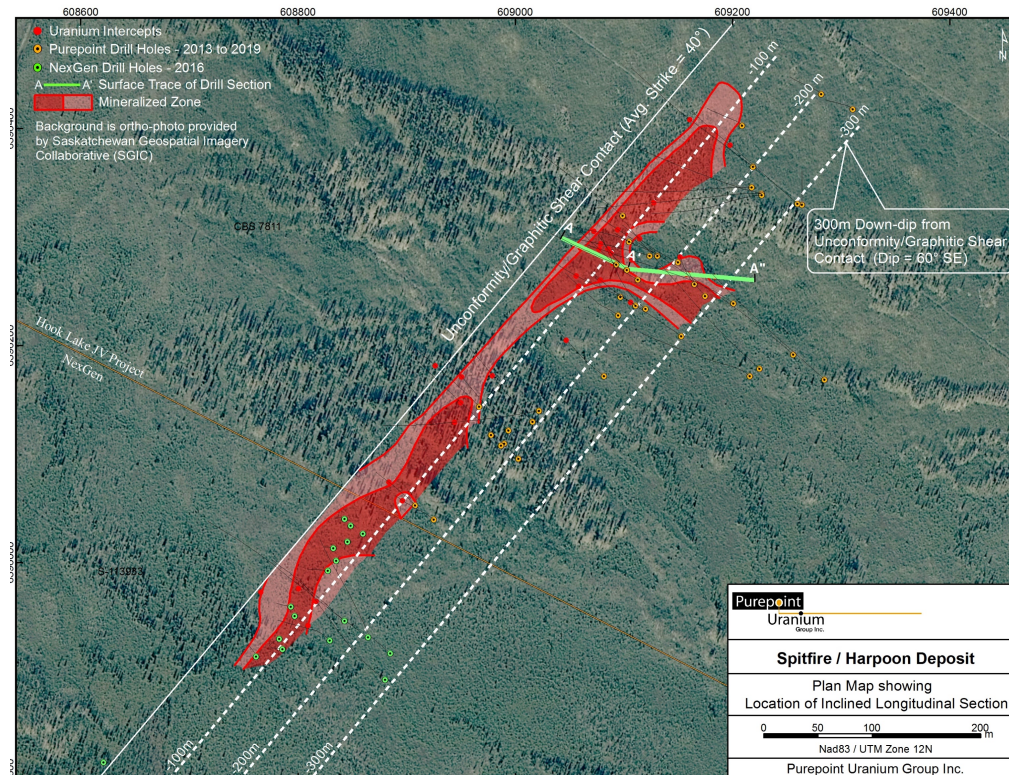
NexGen's **Arrow** Deposit

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

Fission's **Triple R** Deposit

- 2019 PFS
- Indicated Resource
- **102,360,000 lbs U_3O_8**
- Avg Grade **2.10% U_3O_8**



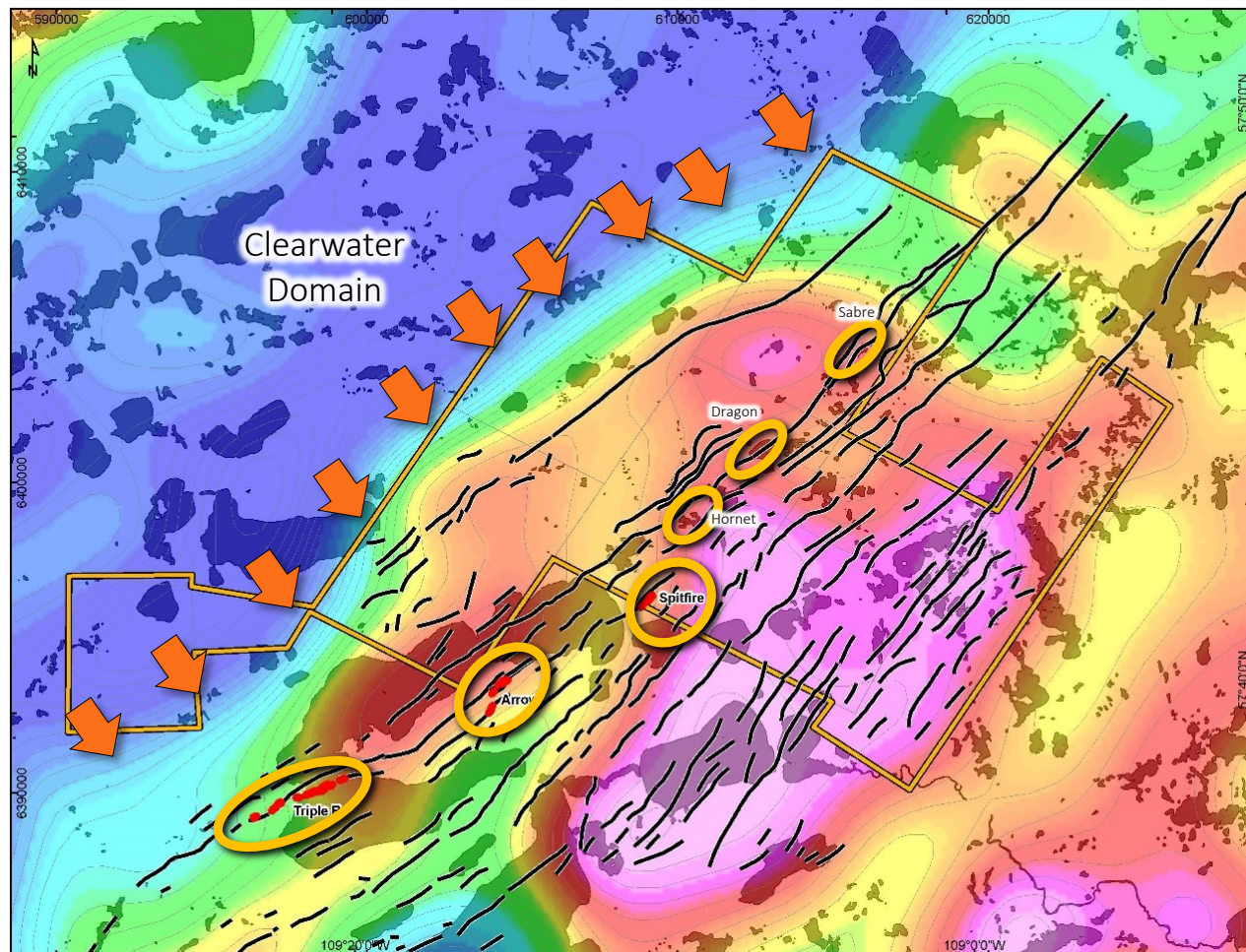


Significant Learnings

- Geological Setting
- Rock Type

Geological Survey of Canada*

- Heat from Clearwater Domain mobilized oxygenated uranium
- Mobilized uranium found long lived, reactivated faults
- Uranium precipitation occurred as oxygen left the fluids



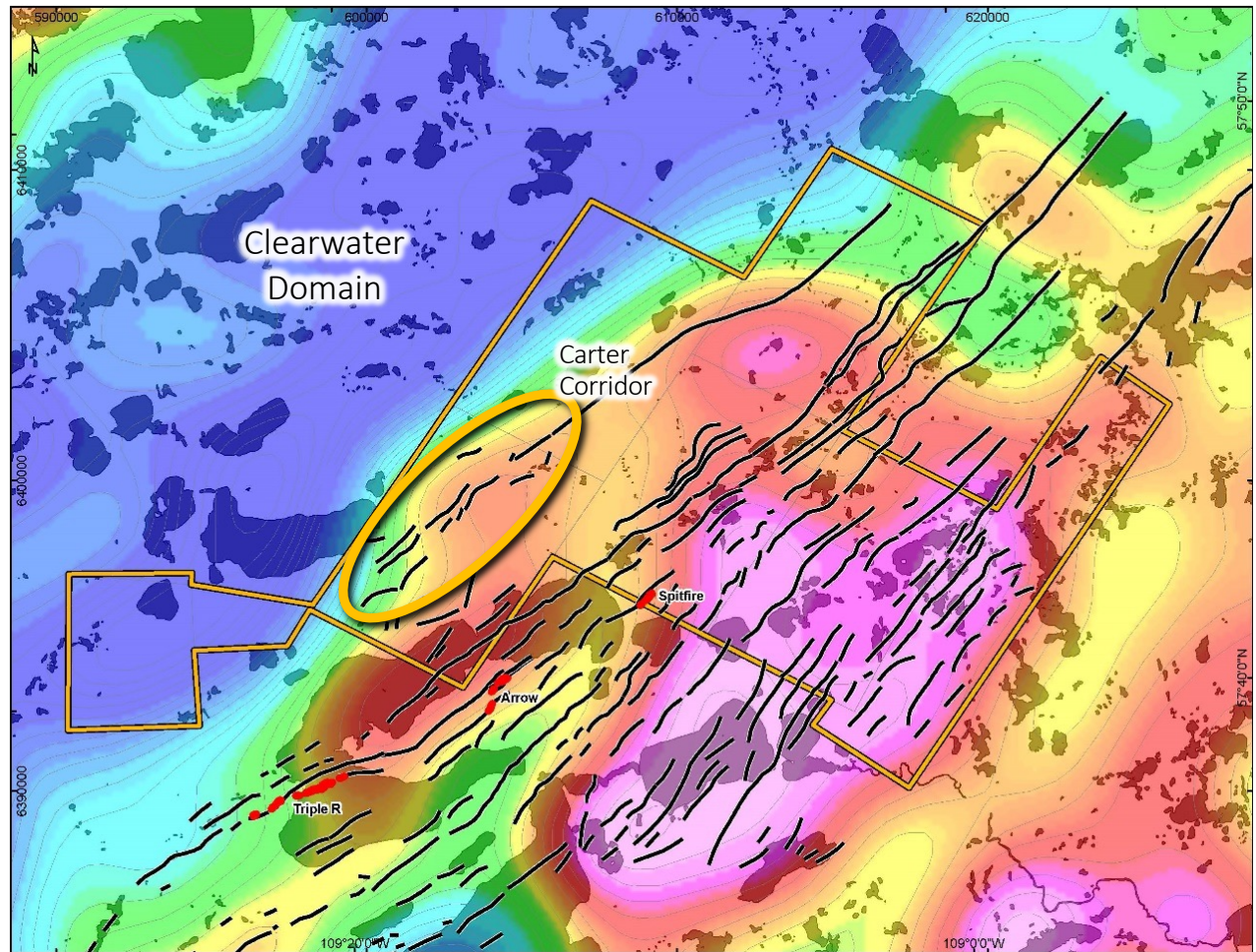
* - Potter, E.G., Tschirhart, V., Powell, J.W., Kelly, C.J., Rabiei, M., Johnstone, D., Craven, J.A., Davis, W.J., Pehrsson, S., Mount, S.M., Chi, G., and Bethune, K.M., 2020. Targeted Geoscience Initiative 5: Integrated multidisciplinary studies of unconformity-related uranium deposits from the Patterson Lake corridor, northern Saskatchewan; Geological Survey of Canada, Bulletin 615

Carter Corridor

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

2008 Purepoint Drilling

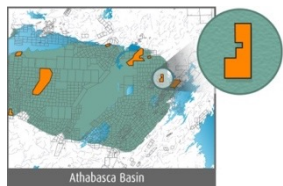
- Predates any Patterson discoveries
- Spikey radiation at 50 m beneath unconformity
- Significant alteration – evidence of a potential mineralization event



Turnor Lake
100% owned

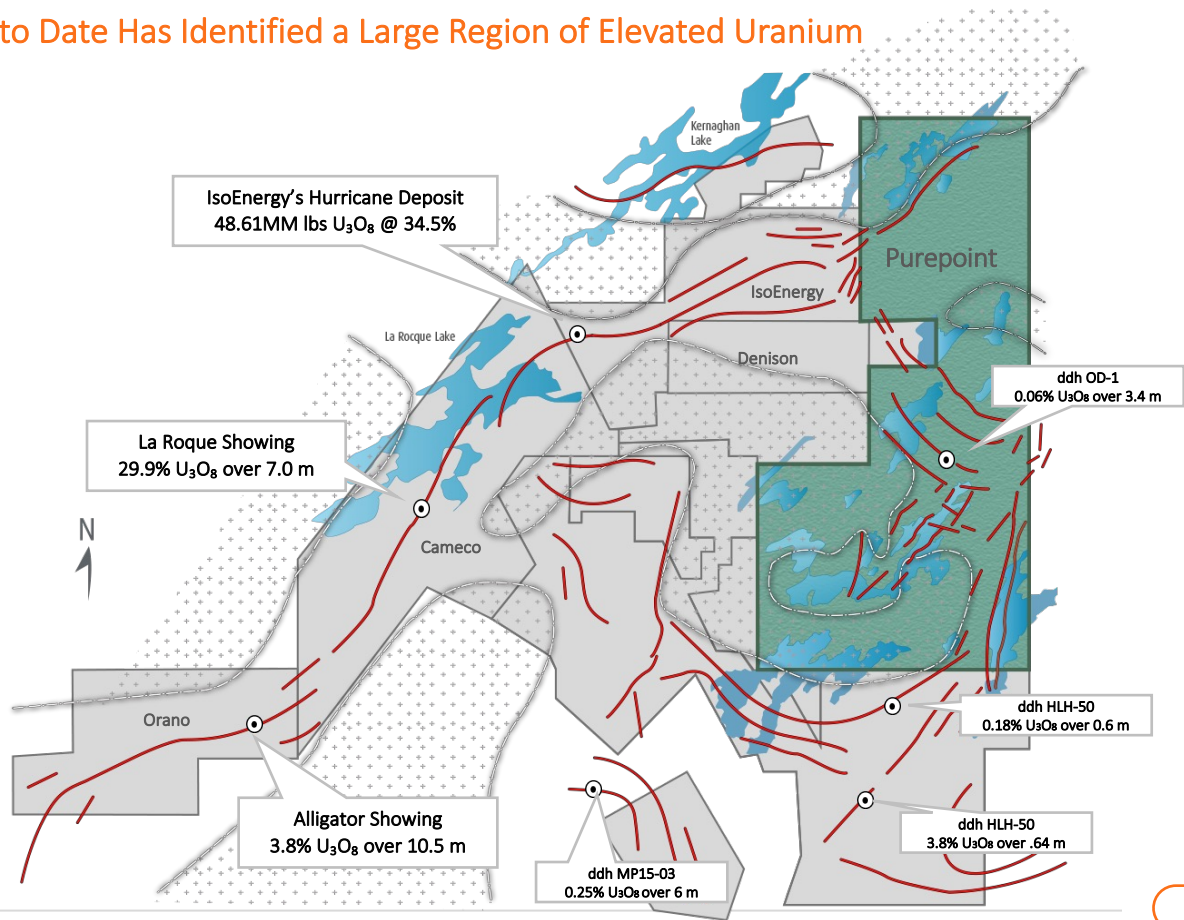
Turnor Lake

Drilling to Date Has Identified a Large Region of Elevated Uranium



Description:

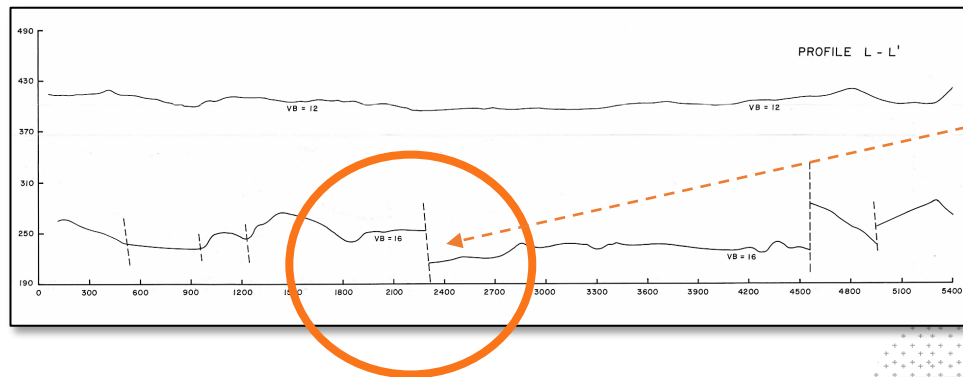
- 9,706 hectares situated in the eastern plane of the Athabasca Basin
- 100% Owned
- Assessment held until: August 2031



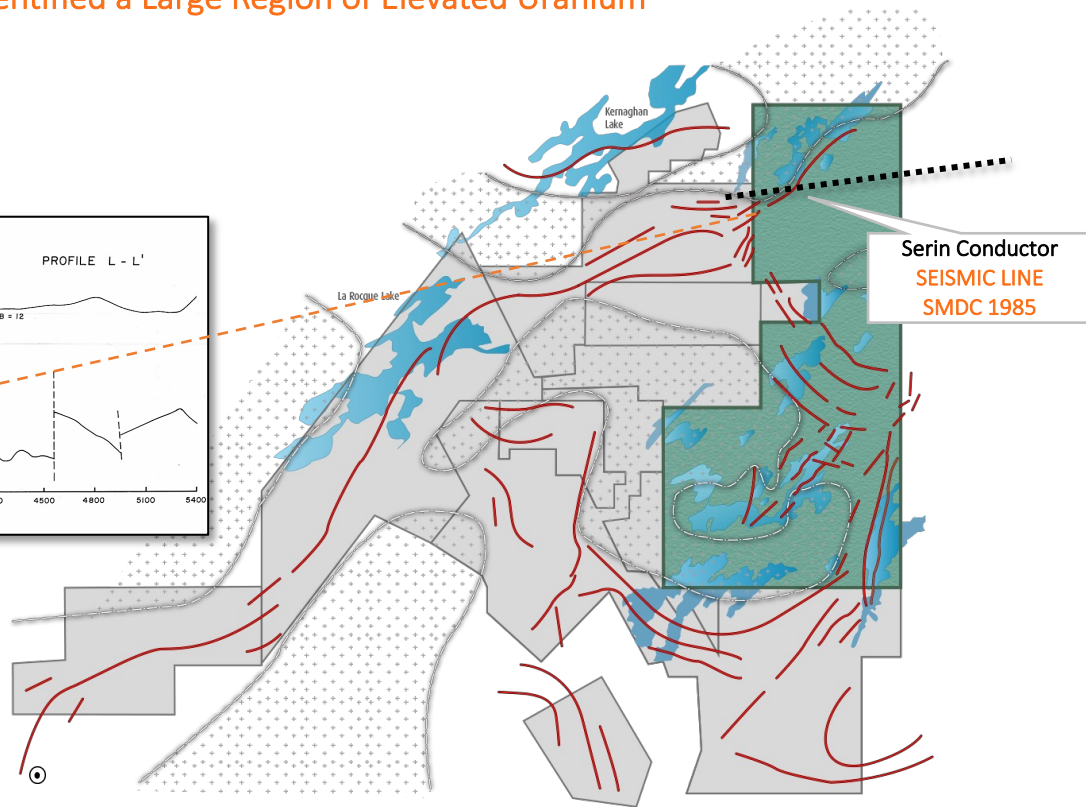
Turnor Lake
100% owned

Turnor Lake

Drilling to Date Has Identified a Large Region of Elevated Uranium



Seismic survey interpreted a 150m fault
at the Serin Conductor
(setting similar to MacArthur River Deposit)



Aggressive Exploration Work Underway

Exploration Pipeline

High Level Plan subject to change based on seasonal weather conditions

Project	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Red Willow	Drilling Completed (2,088m in 12 holes)	1.2 km of continuous radioactivity discovered and reported		Fall drill program <i>Osprey follow-up</i>
Turnor Lake				Fall drill program
Hook Lake		ZTEM survey at Carter Corridor	Approve winter drill program	
Carson Lake and Russell South		Airborne gravity survey		
Tabbemor Block (Millkey, JebRaven, MidBear & CollinEagle)			Airborne EM survey	

Drill and staffing resources secured and contracted

Key Investment Points

Why Uranium

- Upward swing in U prices reflect the tightening of supply
- Numerous economic and political pressures are forcing utilities to secure long term contracts
- U prices must improve by 25-50% to reach incentive levels

Why Purepoint

- Red Willow and Hook Lake represent two of the most prospective opportunities in the Athabasca Basin
- PTU is fully funded to carry out extensive exploration across its entire portfolio this year
- PTU provides a non-volatile, proxy for uranium exploration equities

Contact

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Highly Qualified Leadership Team

With Decades of Experience in the 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.



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.



Scott Frostad, BSc, MSc, 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

Allan Beach, BA, LLB - Director

- 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.