Purepoint Uranium Group Inc.

A COMPELLING EXPLORATION ADVANTAGE

Fully funded drill programs currently underway

TSXV: PTU / OTCQB: PTUUF

Q4 - 2022

Forward Looking Statements

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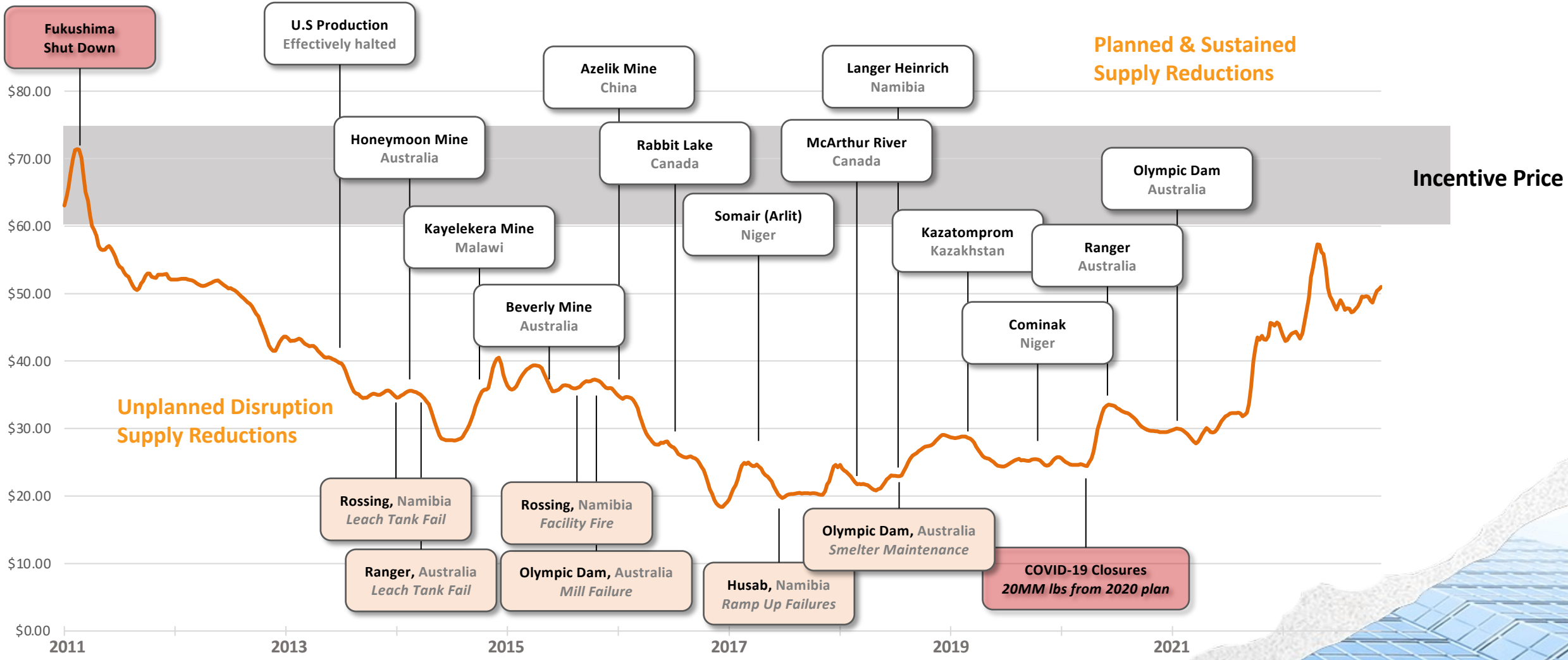
Qualified Person

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

THE URANIUM LANDSCAPE

Uranium Price Cycle



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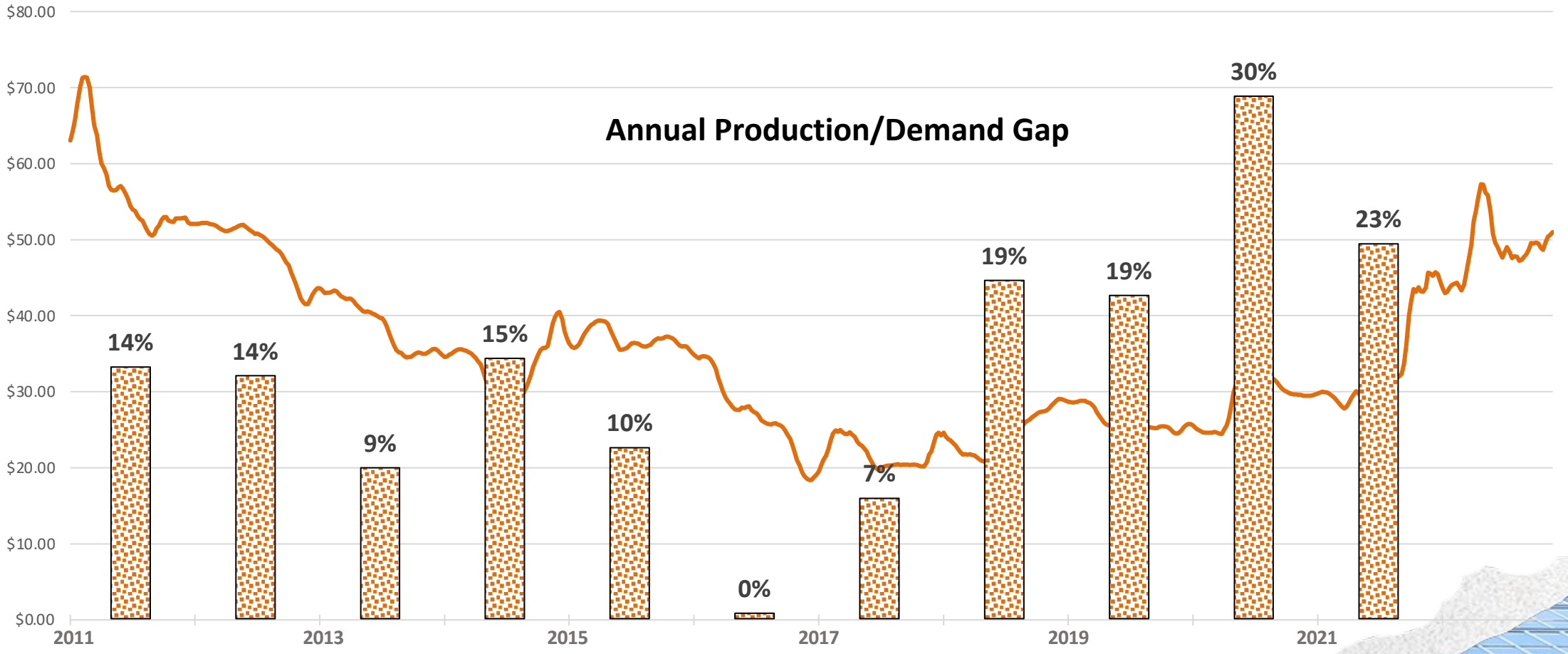


COMPELLING EXPLORATION UPSIDE

Exploration discovery delivers the most dramatic inflection point in resource value

The uranium industry continues to deliver strong, long-term fundamentals

The availability of capital in the uranium sector is fueling aggressive project advancement

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

DEEP PORTFOLIO OF ADVANCED DRILL READY PROJECTS

12 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

DEEP PORTFOLIO OF ADVANCED DRILL READY PROJECTS

12 highly prospective projects

HOOK LAKE JV

Cameco | Orano | Purepoint

Joint Venture Breakdown

- Cameco: 39.5%
- Orano: 39.5%
- Purepoint: 21.0%

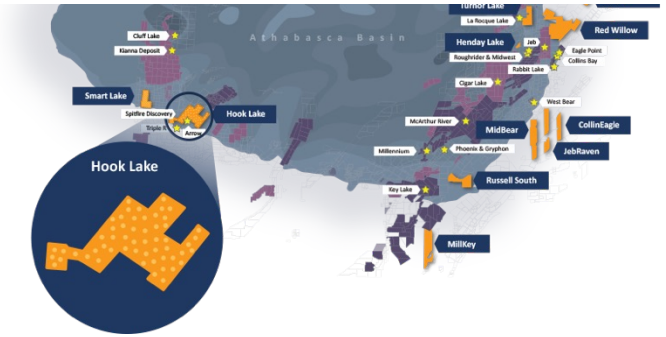
- As the operator, Purepoint earns a 10% management fee

Next Steps

- Drill program at the Carter Corridor
- Joint Venture partners to set budget for upcoming winter drill program by Mid-November 2022

HOOK LAKE JV

Cameco | Orano | Purepoint



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

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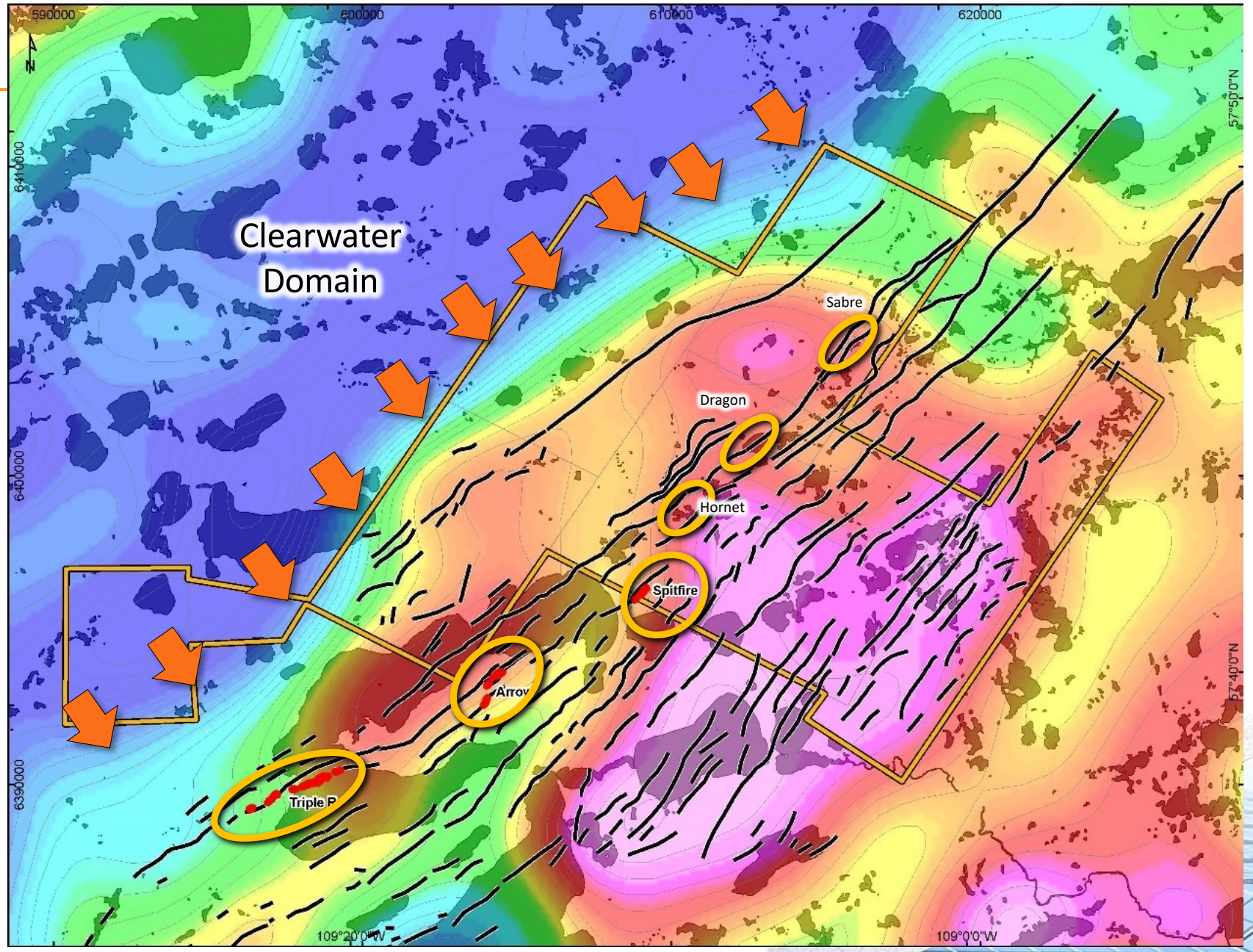
Significant Learnings

- 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

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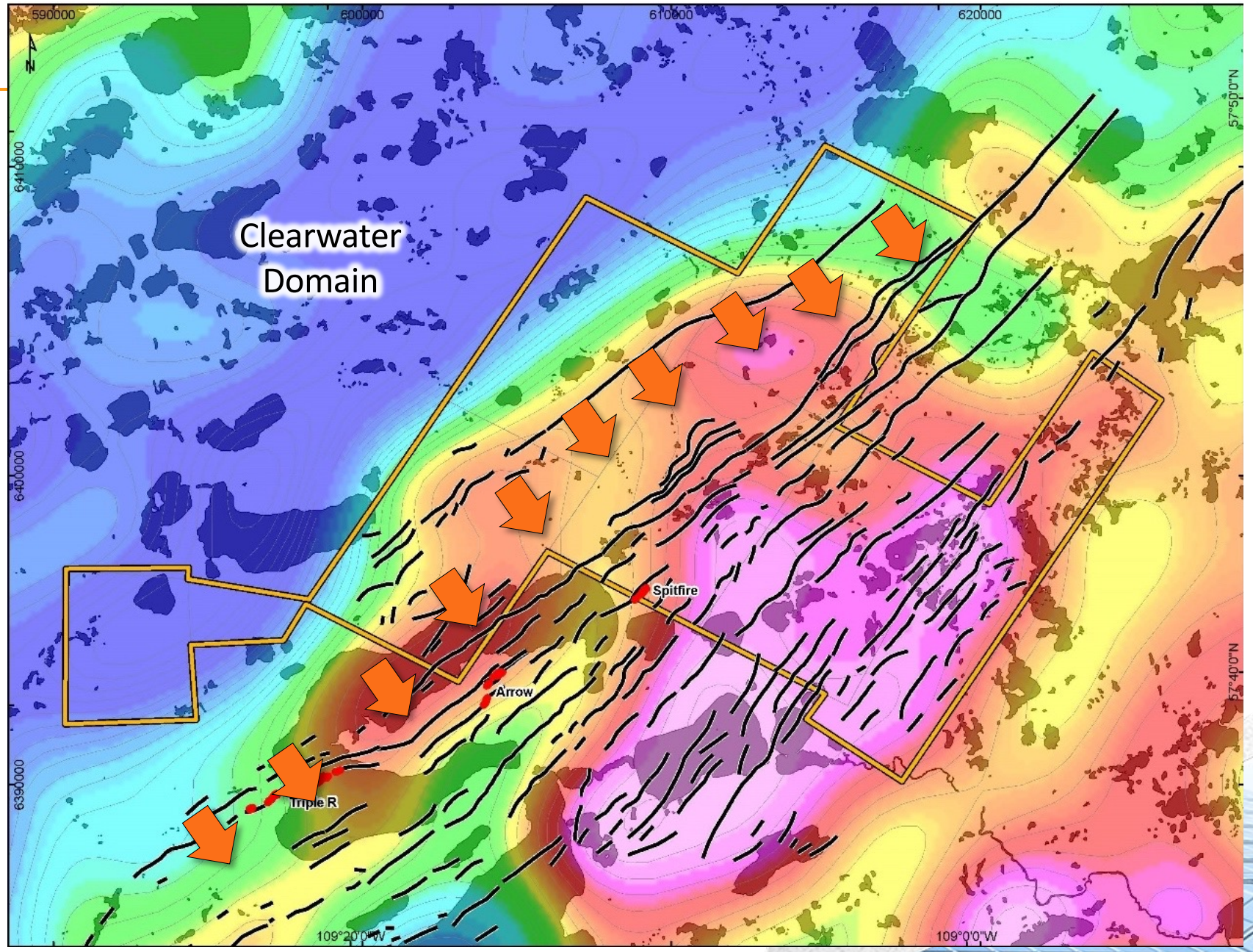

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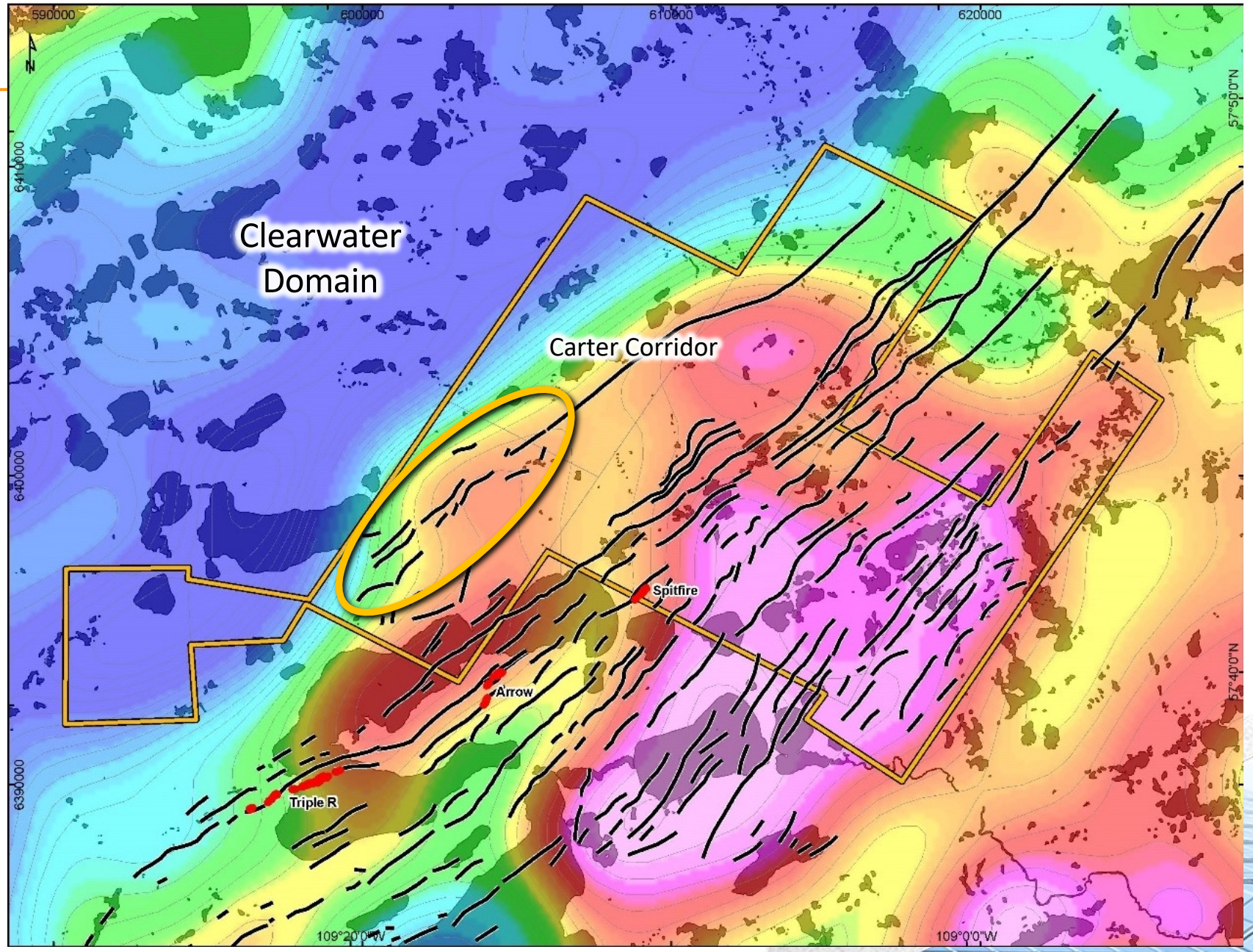
Carter Corridor

- 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



100% OWNED RED WILLOW PROJECT

A host of ready targets

Description

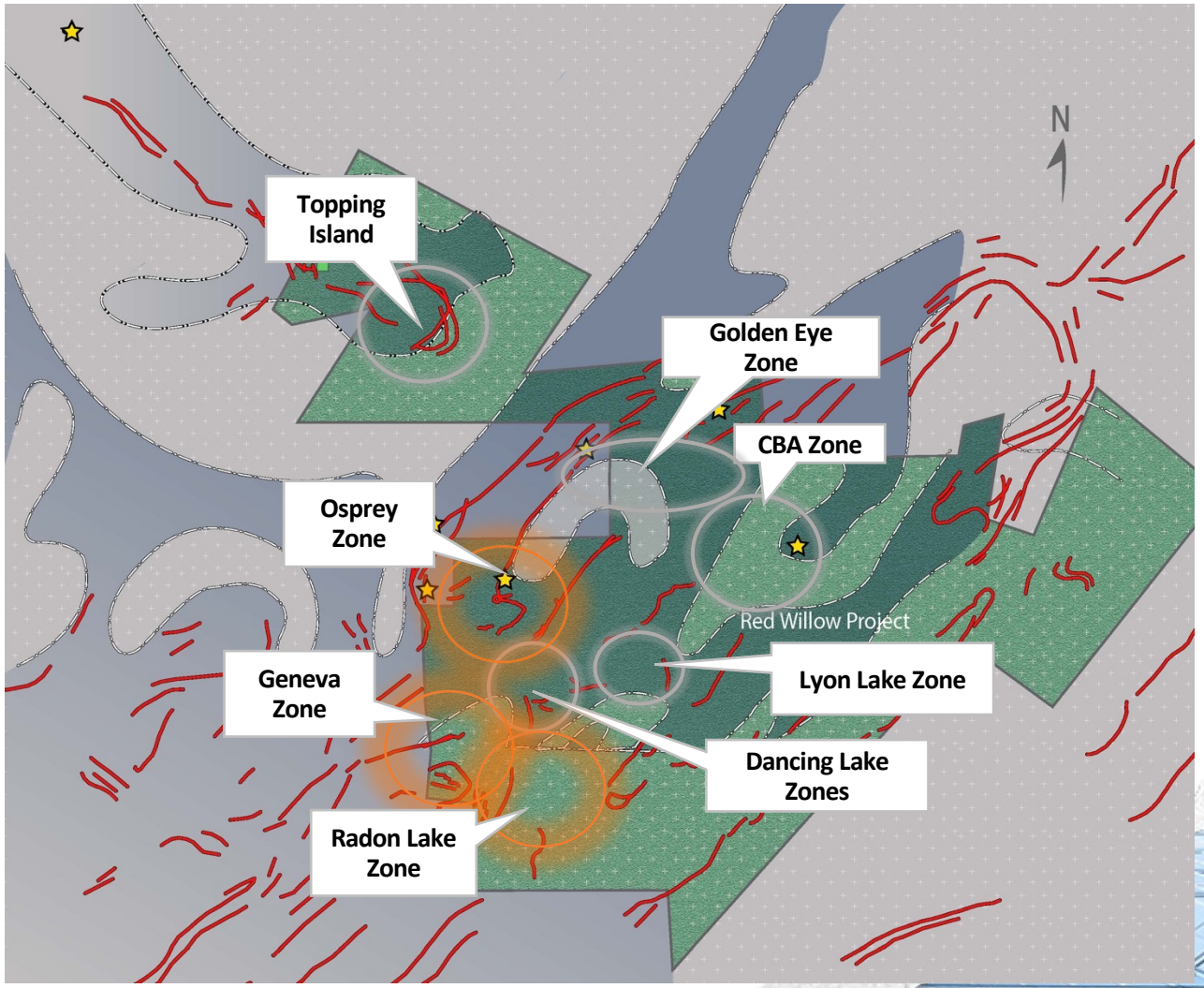
- 22 mineral claims for a total of 40,116 hectares
- 100% owned
- 2022 winter drill program intersected uranium mineralization along 1.2 km at the Osprey zone

Next Steps

- Fall 2022 drill program underway
- 3,500m of drilling across 10 holes at the Osprey zone

100% OWNED RED WILLOW

~10km SW of Orano's JEB Mine & ~10km S of Cameco's Eagle Point Mine



Description:

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

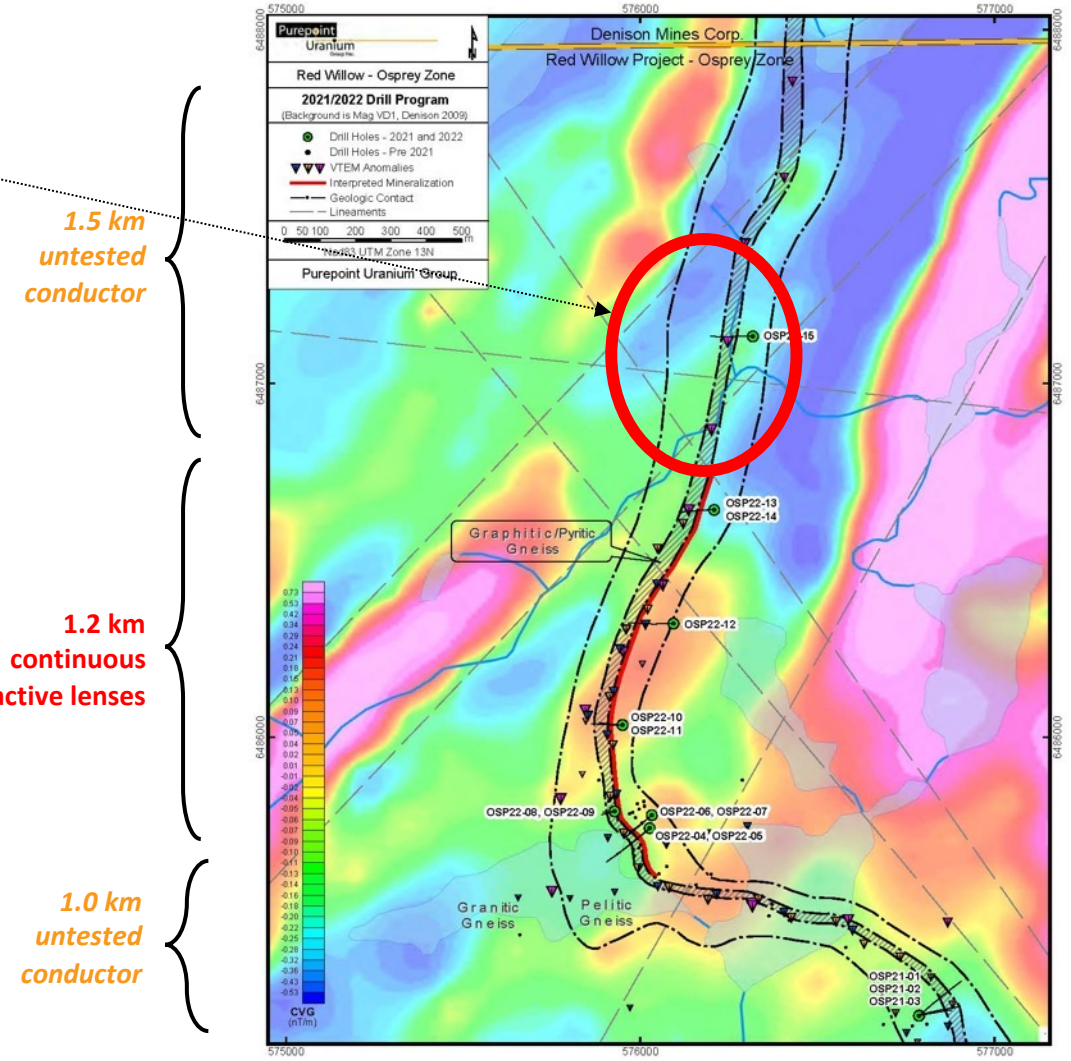
RED WILLOW – OSPREY ZONE

Expanding the discovery

Priority follow up on last hole OSP22-15 which encountered numerous structures with hematite alteration and silicification

Hole Number	From (m)	To (m)	Width (m)	Peak CPS	U (ppm)	U3O8 (wt%)
OSP22-04	70.4	71.2	0.8	8,830	95	0.01
	78.5	79.4	0.9		53	0.01
	152.3	152.7	0.4		77	0.01
OSP22-05	54.2	54.9	0.7	N/A	85	0.01
OSP22-06	75.7	79.6	3.6	33,070	55	0.01
	86.8	93.0	6.2		684	0.08
Including	*89.9*	*90.8*	*0.9*		*3,990*	*0.47*
OSP22-07	121.0	121.3	0.3	2,070	73	0.01
	122.5	123.5	1.0		75	0.01
OSP22-08	141.9	142.2	0.3	950	79	0.01
OSP22-09				290	<50	
OSP22-10	72.8	74.3	1.5	1,160	75	0.01
	78.9	81.0	2.1		86	0.01
	105.0	105.3	0.3		76	0.01
OSP22-11	140.9	141.5	0.6	670	92	0.01
OSP22-12	148.6	155.0	6.4	6,367	159	0.02
OSP22-13	*80.0*	*80.5*	*0.5*	8,002	*2,260*	*0.27*
OSP22-14				1,140	<50	
OSP22-15				303	<50	

Samples returning > 50 ppm U; Background considered < 10 ppm U



100% OWNED TURNOR LAKE PROJECT

Drilling to date has identified a large region of elevated uranium

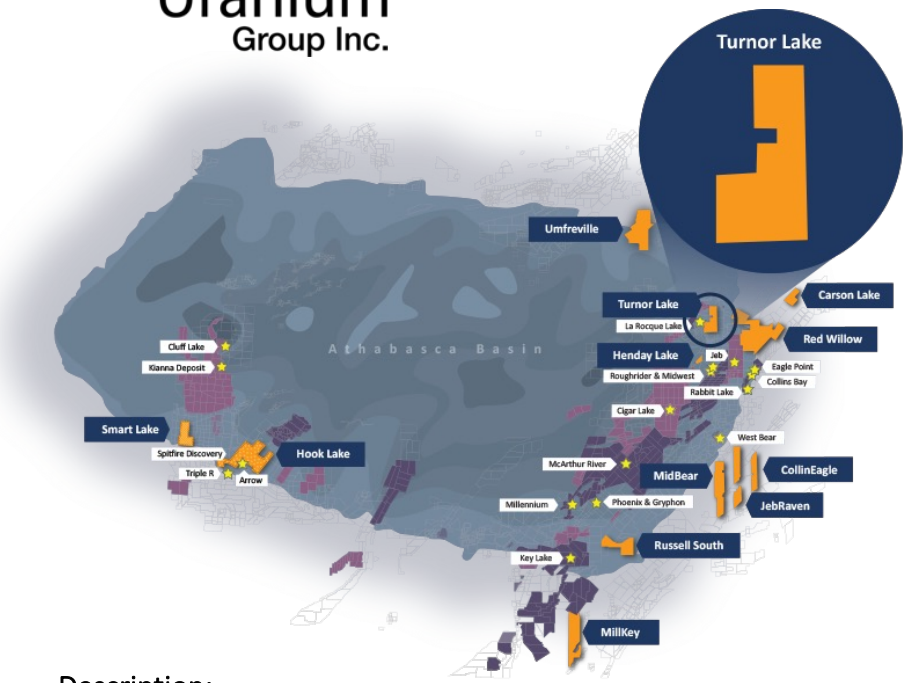
Description

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

Next Steps

- Fall 2022 Drill Program at the Serin Conductor

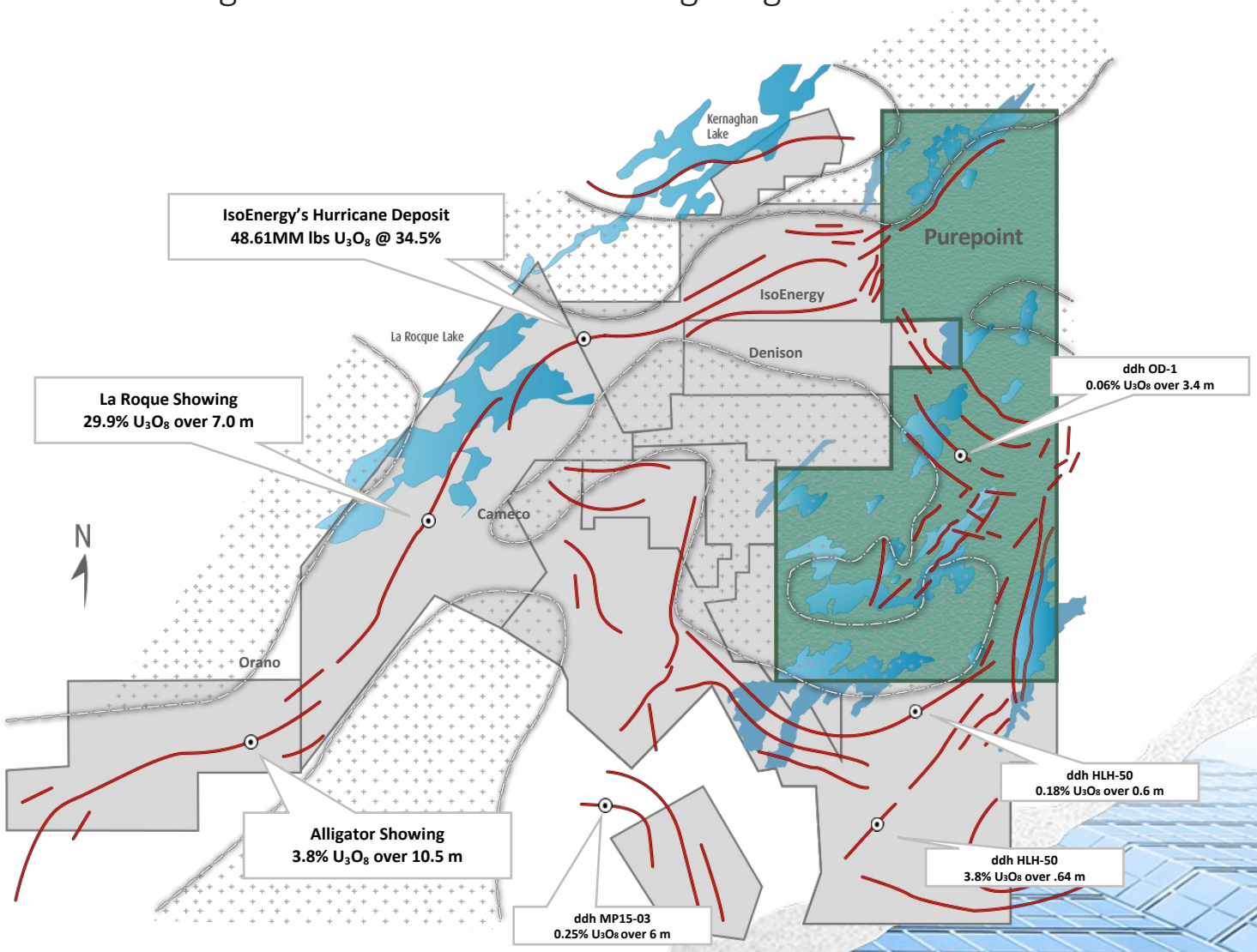
100% OWNED TURNOR LAKE PROJECT



Description:

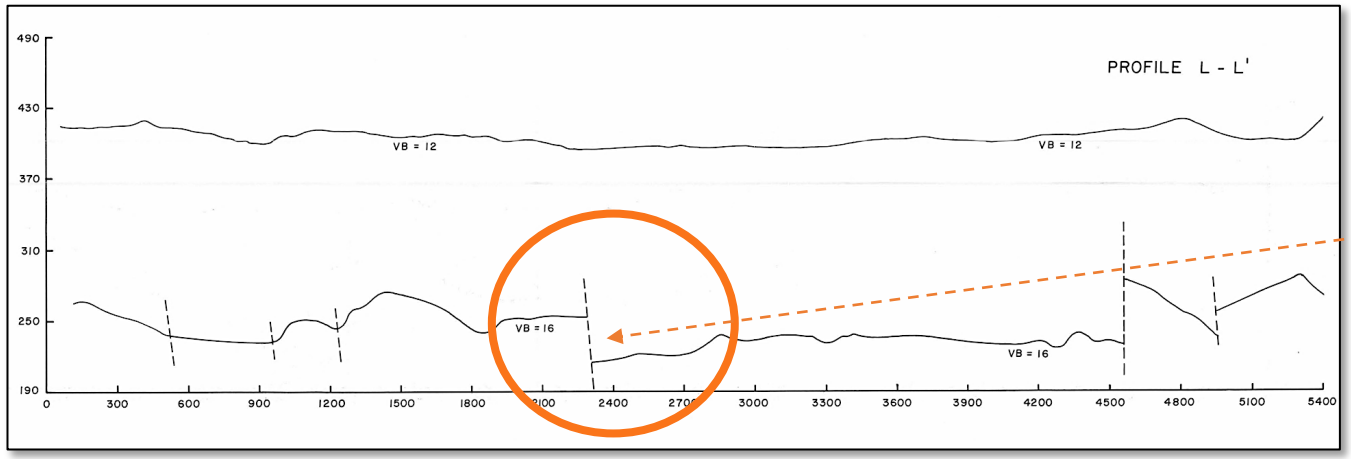
- 9,706 hectares situated in the eastern plane of the Athabasca Basin
- 100% Owned
- Assessment held until: August 2031

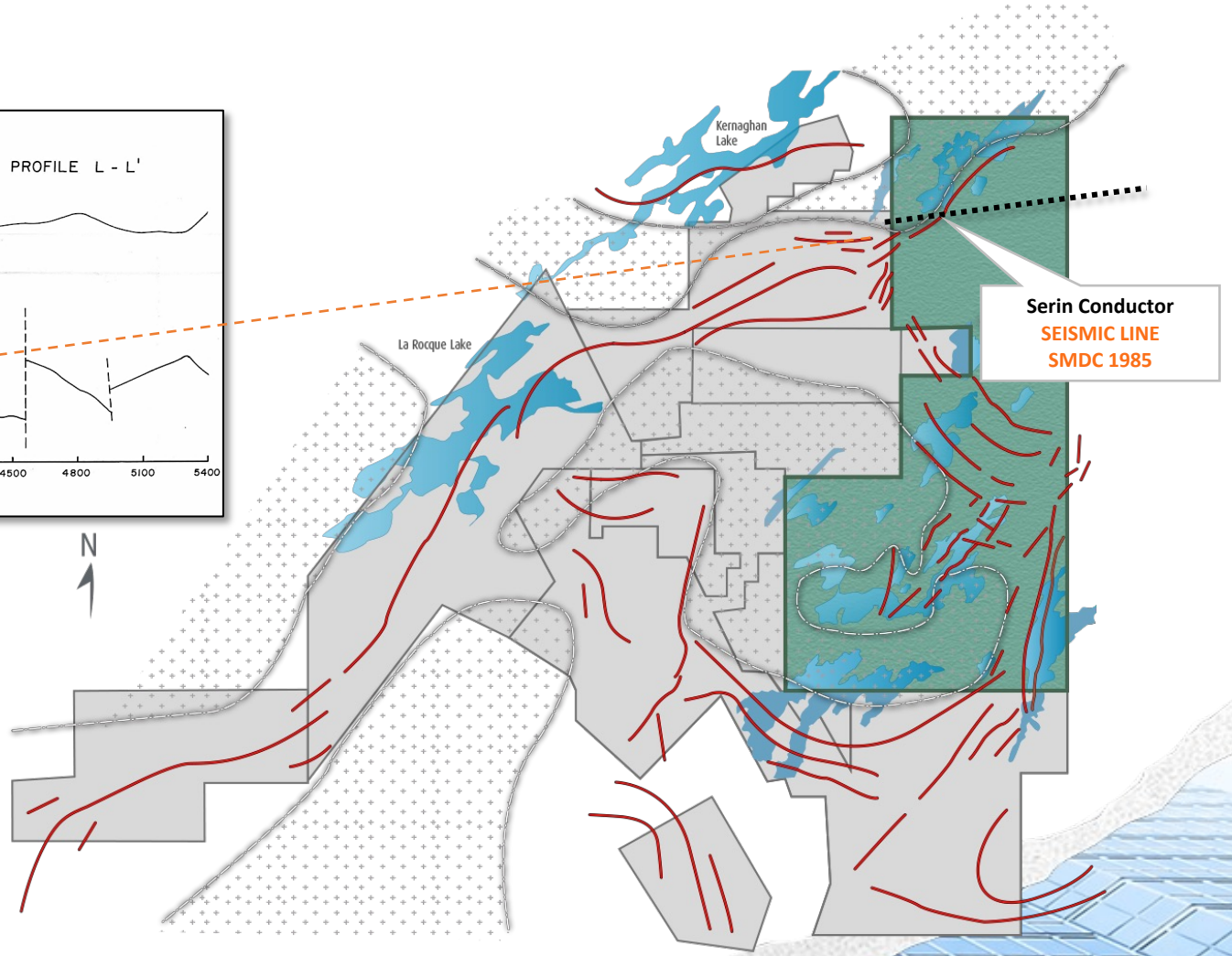
Drilling to date has identified a large region of elevated uranium



TURNOR LAKE

Serin Conductor to be drill tested





Seismic survey interpreted a 150m fault at the Serin Conductor

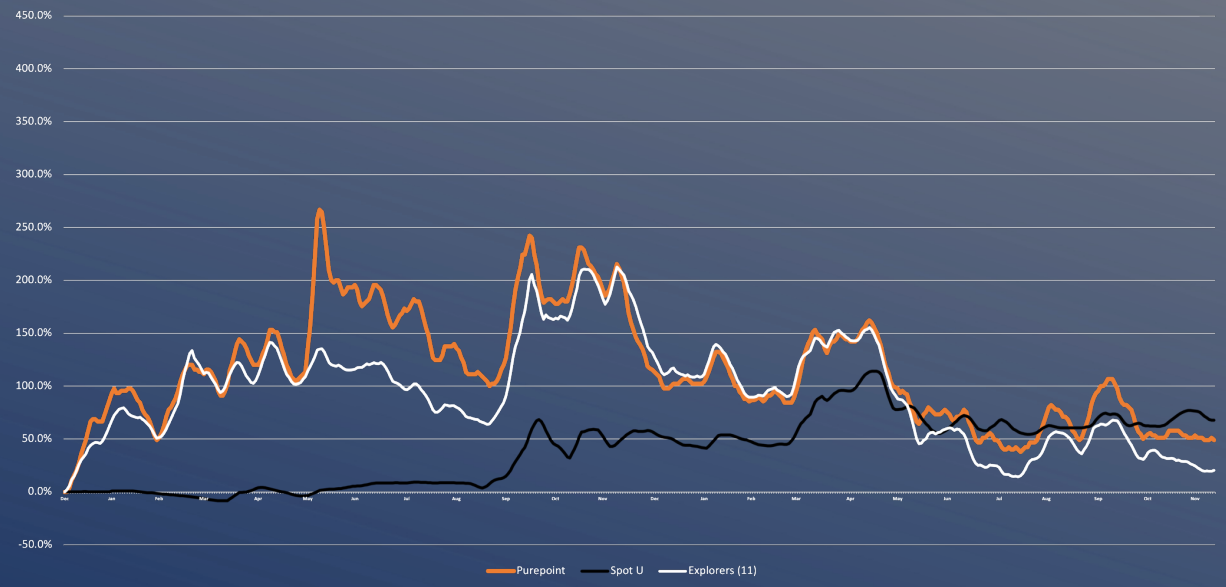
(setting similar to MacArthur River Deposit)

CAPITAL STRUCTURE

Fully funded for upcoming exploration schedule

Share Price Change Since Dec 1, 2020

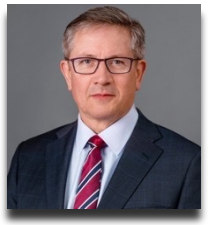
(5 Day Rolling Average)



TSX Venture: PTU/ OTCQB: PTUUF	
Market Capitalization ($Cdn as of Nov 15, 2022)	$25.8 mm
52 Week Range	$0.13 - $0.06
Shares Outstanding	368.89 mm
Options (@$0.09 weighted avg.)	32.55 mm
Warrants (@$0.13 weighted avg.)	118.96 mm
Shares Fully Diluted	520.40 mm
Insider Ownership	~4.5%
Institutional Ownership	~27%
Cash on Hand	~$3.00 million

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.

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.

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.

COMPELLING EXPLORATION UPSIDE

Exploration discovery delivers the most dramatic inflection point in resource value

Fully Funded Drilling Programs Underway

- Drilling at Red Willow – September/October 2022
- Drilling at Turnor Lake – November 2022
- Drilling at Hook Lake JV with Cameco & Orano – January 2023
- Follow-up drilling at Red Willow/Turnor Lake – January 2023

Carefully Assembled Athabasca Basin Portfolio

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

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