

# Exploration 2022

## *Lighting Up the Basin*

November 2021

TSXV: PTU/ OTCQB: PTUUF

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

Q4 - 2021

# 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.

## Why Purepoint?

### To Date

- **Hook Lake** project in the Athabasca Basin's Patterson Uranium District
- **High-Grade Discoveries** already made on trend with this century's largest uranium discoveries (Fission/NexGen)
- **Funding/Exploration Partners** - Cameco & Orano

### Now

- One of the most advanced **portfolios** of 100%-owned projects in the Athabasca Basin
- A pipeline of **12 advanced** projects
- Easily **maintained** in anticipation of a U price revival

### Our Partners

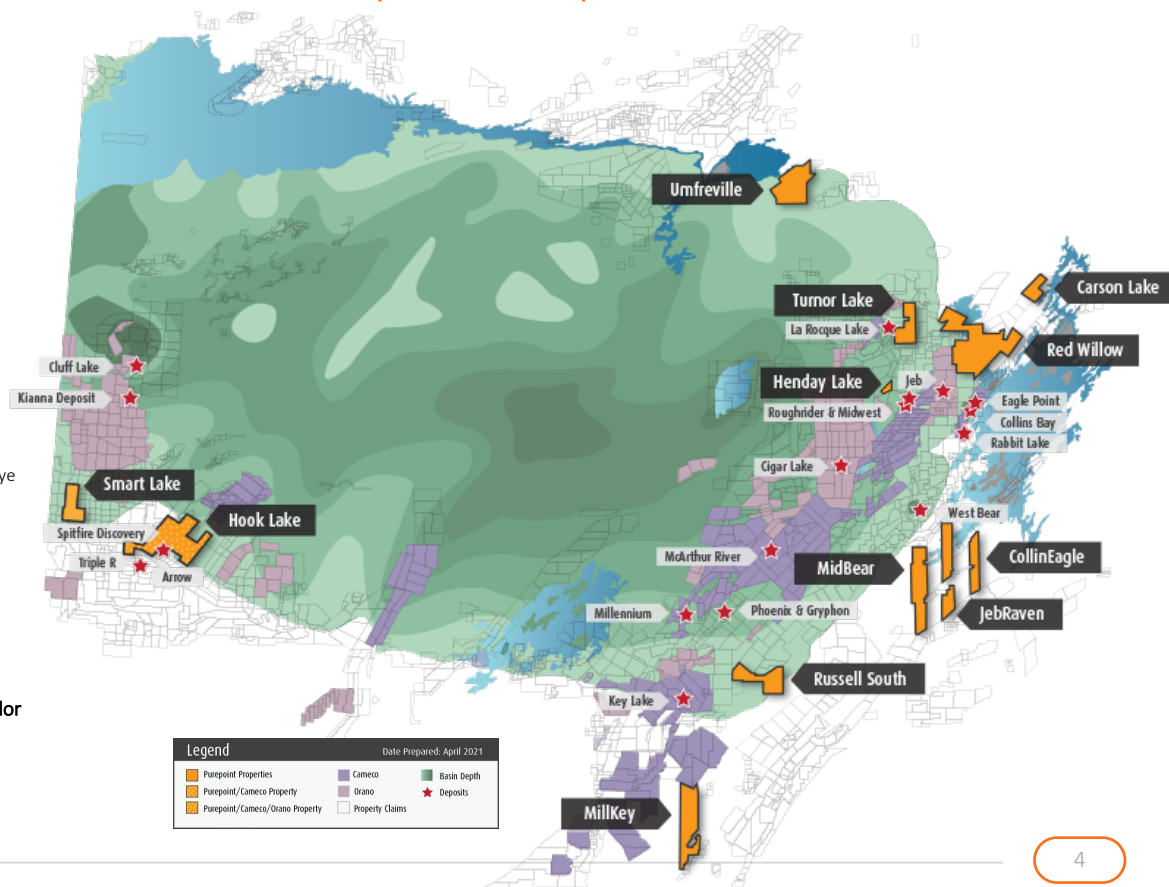


Actively advancing discoveries as we enter a new phase of the uranium price cycle

# Active Portfolio Across the Athabasca Basin

Priority Projects - Initial Discoveries Ready for Follow Up

1. Hook Lake JV Spitfire Deposit  
HK16-53 **23.95%**  $U_3O_8$  over 4.2 metres  
incl. **53.3%**  $U_3O_8$  over 1.3 metres
2. Red Willow Osprey Zone  
RW-19 **0.12%**  $U_3O_8$  over 4.0 metres; and  
RW-40 **0.47%** over 1.5 metres  
  
Geneva Zone  
RDW14-08 **0.68%**  $U_3O_8$  over 0.3 metres  
  
Radon Lake Zone  
RAD08-09 **0.04%**  $U_3O_8$  over 1.1 metres  
  
Targets not yet drill tested  
Topping Island, Lyon Lake, Dancing Lake, CBA, Golden Eye
3. Smart Lake JV First Drill Program  
SMT08-05 **0.02%**  $U_3O_8$  over 15.4 metres
4. Umfreville First Drill Program  
UNF21-01 **0.04%**  $U_3O_8$  over 0.8 metres
5. 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





# A “Major” Exploration Project



The Patterson Corridor is home to the largest uranium discoveries of this century, worldwide – NexGen’s Arrow Deposit & Fission’s Triple R Deposit



**Hook Lake Joint Venture**

The priority exploration project of two of the world’s largest suppliers of Uranium – Cameco Corp and Orano Canada

# Hook Lake

## 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%  $U_3O_8$**





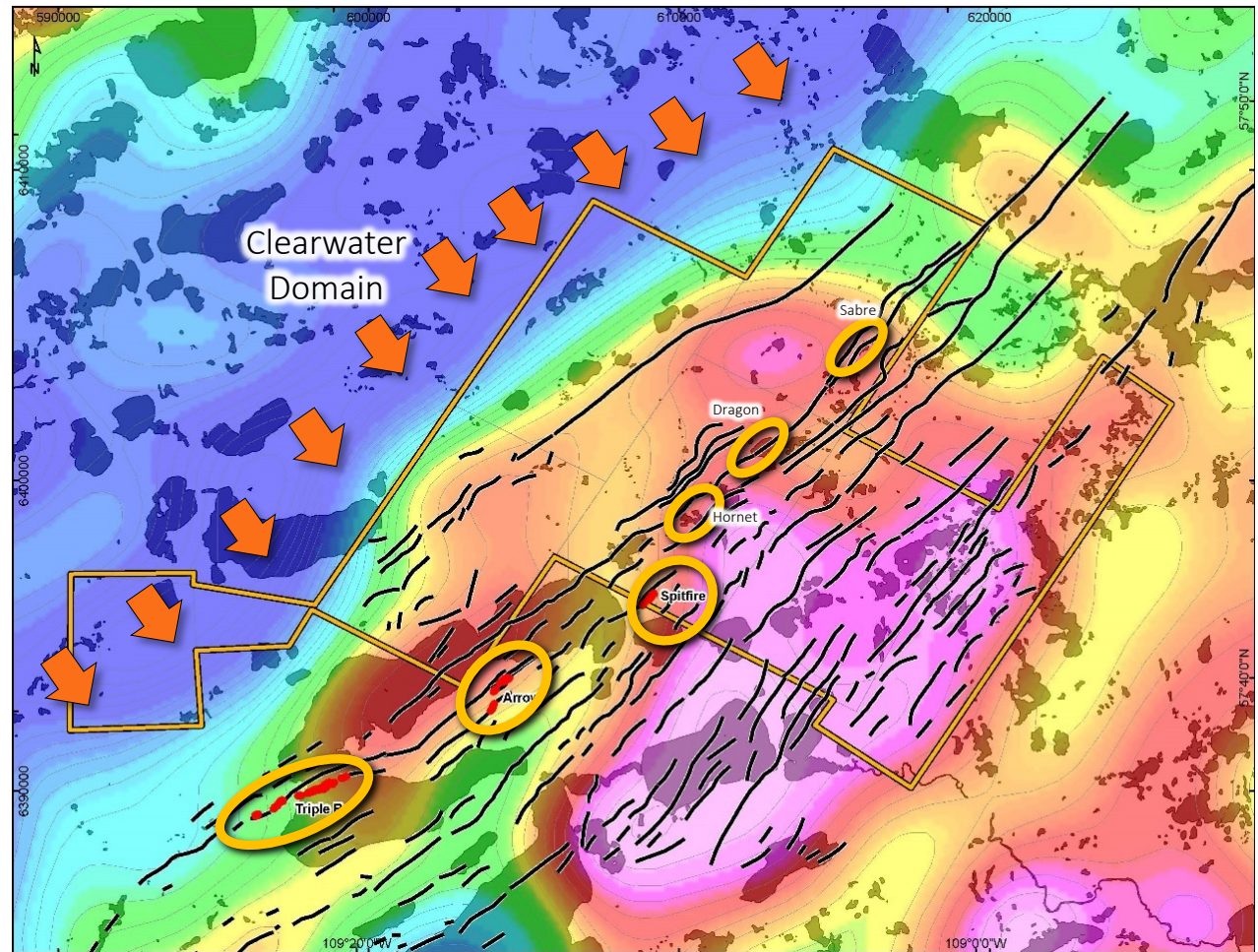
# Hook Lake & The Carter Corridor

## 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 began as oxygen left the fluids (approx. 50 m beneath the unconformity)





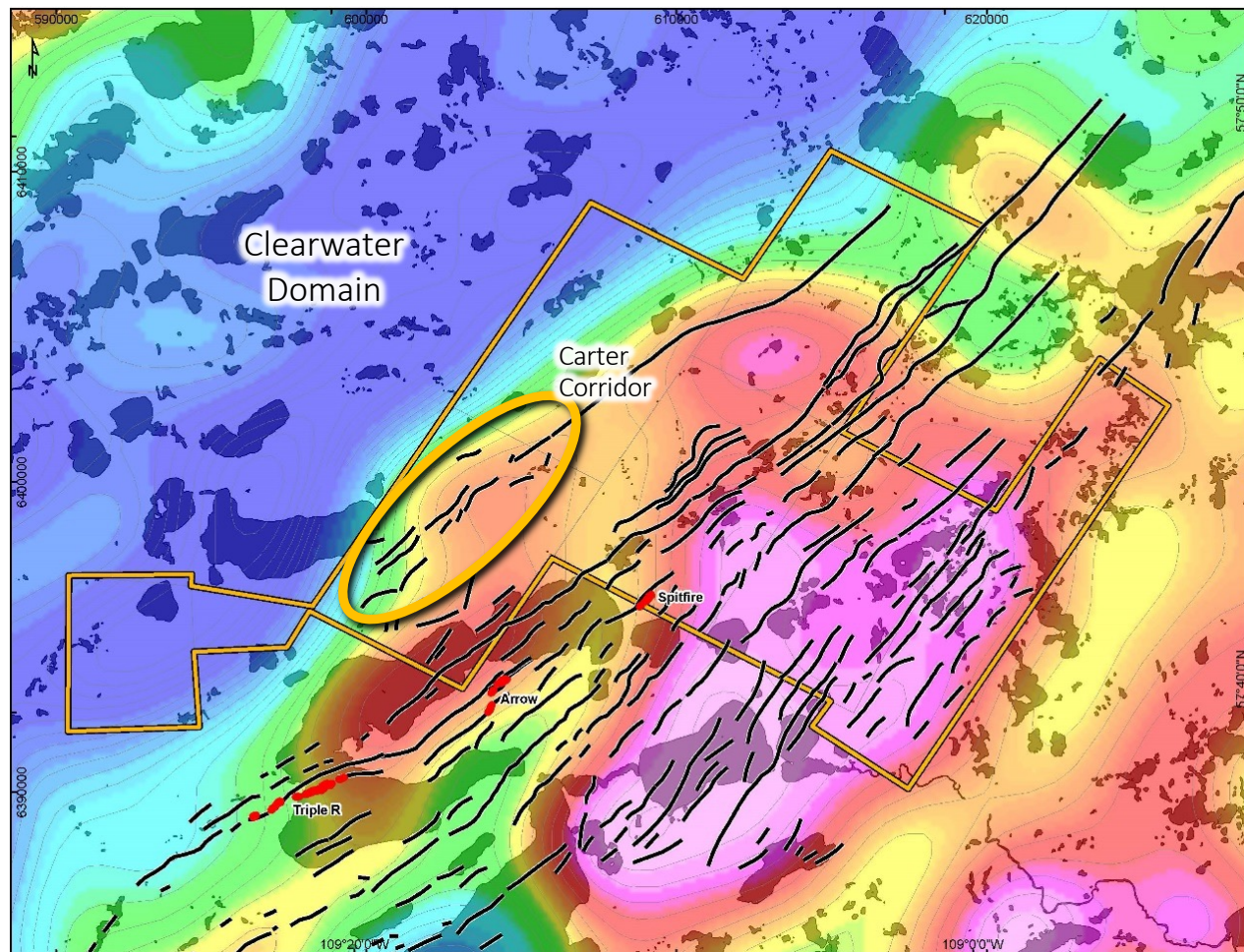
# Hook Lake & The Carter Corridor

## Carter Corridor

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

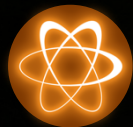
## 2008 Purepoint Drilling

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





# 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



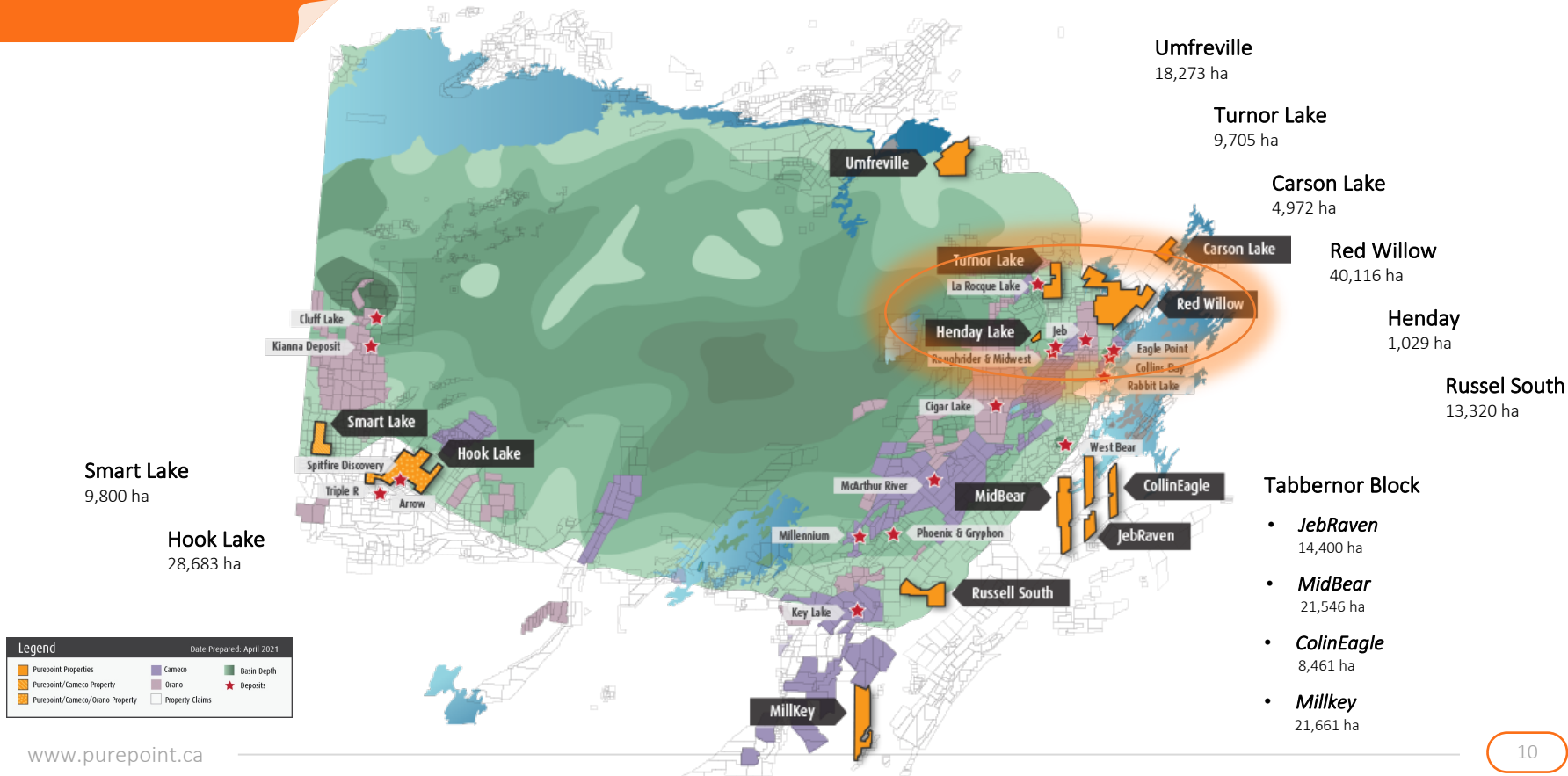
- Hook Lake Project
- Smart Lake Project

## 100% Owned

- 153,483 hectares in 10 projects in the eastern Athabasca Basin
- Turnor Lake, Red Willow, Umfreville and Henday drill ready
- Resources in place

# Portfolio of Projects in the Athabasca Basin

182,261 hectares covering all stages of the exploration cycle



# Aggressive Exploration Work Underway

## Exploration Pipeline

High Level Plan subject to change based on seasonal weather conditions

Project	Q4 2021	Q1 2022	Q2 2022	Q3 2022
Henday Lake	Currently Drilling (up to 2,500 m)	Results available		
Red Willow		Drilling (up to 6,000 m)	Results available	
Turnor Lake				Drilling (up to 5,000 m)
Hook Lake		<b>Carter Corridor</b> Drill Target Definition	Propose Next Steps	
Tabbemor Block, Russell S.		Drill Target Definition - Various geophysical surveys		

- All drilling permit applications either granted or expected prior to year end
- Drill and staffing resources secured and contracted

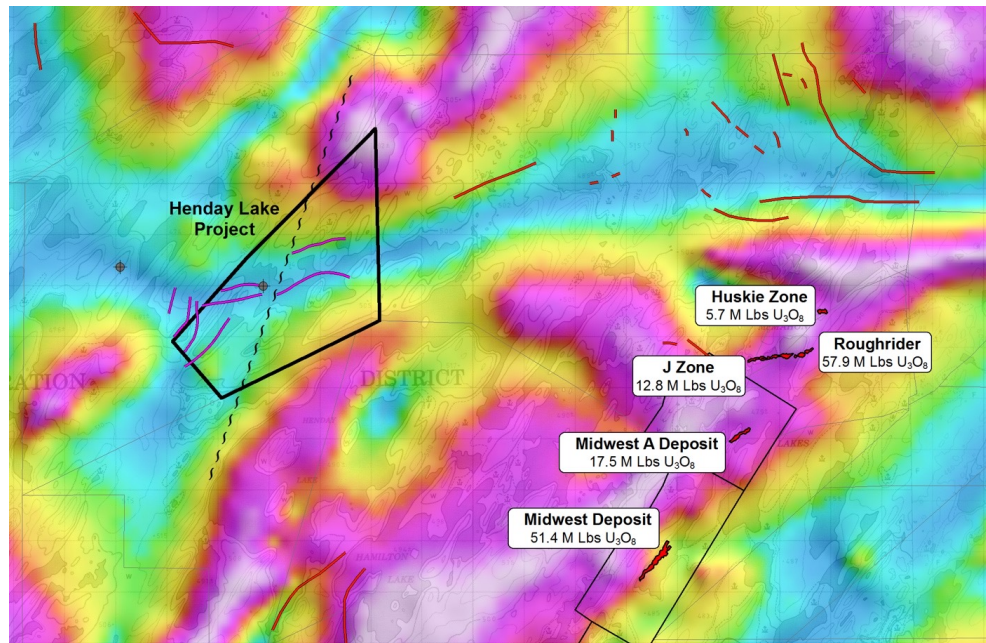
Henday  
100% owned

# Henday

Untested Target Among Numerous Discoveries

## Description:

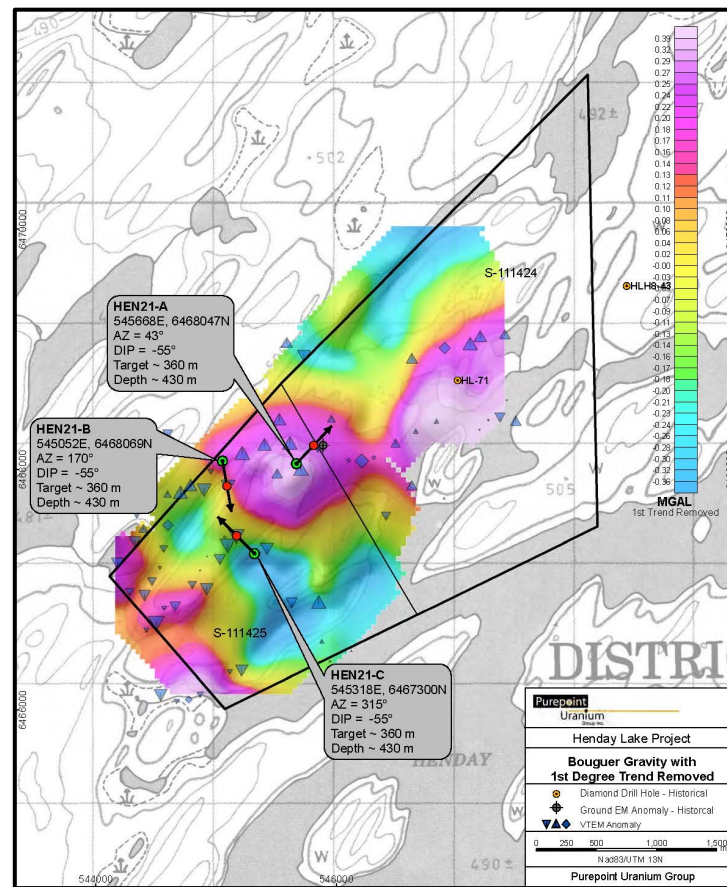
- During 2010, Purepoint conducted an airborne magnetic and electromagnetic survey and completed an initial interpretation
- Electromagnetic conductors are on trend with an interpreted East-West alteration corridor which hosts neighbouring Denison's J-Zone/Huskie Zone as well as Rio Tinto's Roughrider Deposit
- Henday interpreted to host 7.5 km of EM conductors whereas historic conductors only totaled 2.9 km





## Current Program (ongoing):

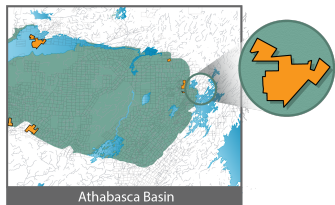
- Five (5) initial diamond drill holes at an average depth of approximately 450 to 500 metres each
- Targeted electromagnetic conductors lie within an east-west-trending magnetic low, considered to represent pelitic basement rocks, a typical host rock for economic uranium mineralization
- Program to run until early December 2021



Red Willow  
100% owned

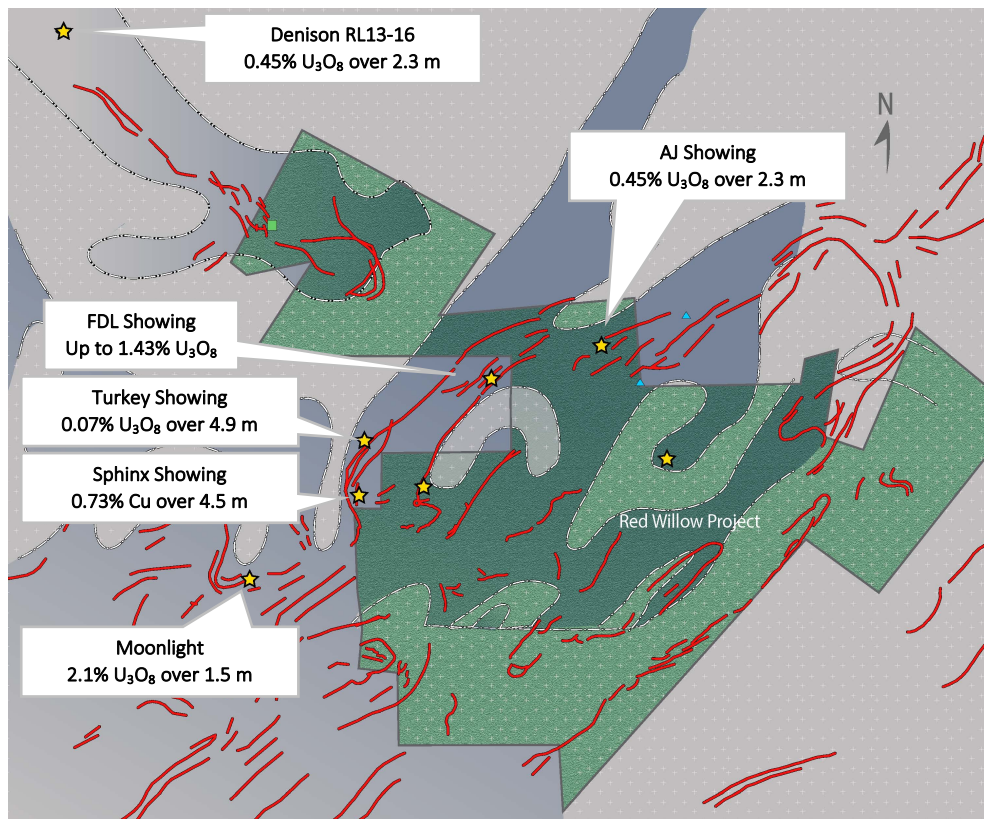
# Red Willow

A Host of Ready Targets



## Description:

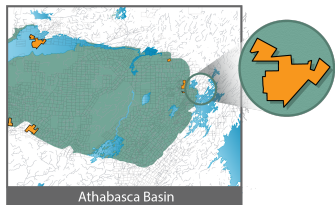
- 22 mineral claims having a total area of 40,116 hectares
- 100% Owned
- 2022 Drill Program:
  - *Priority targets*
  - Osprey Zone
  - Geneva/Radon Lake



Red Willow  
100% owned

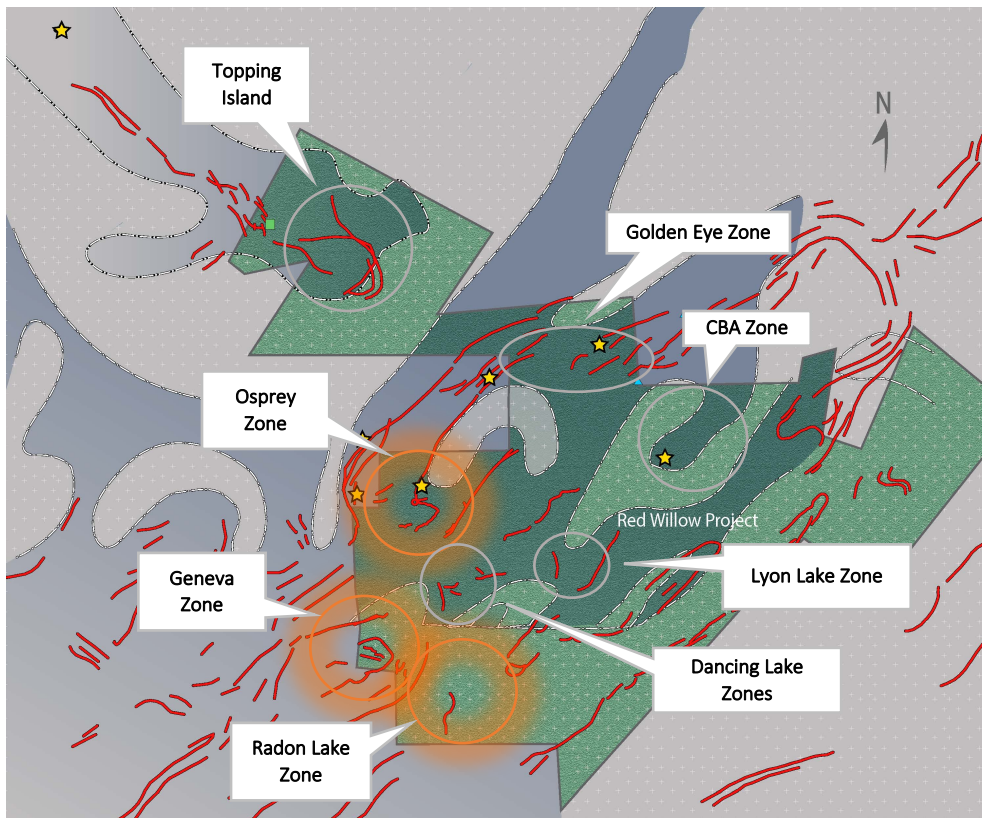
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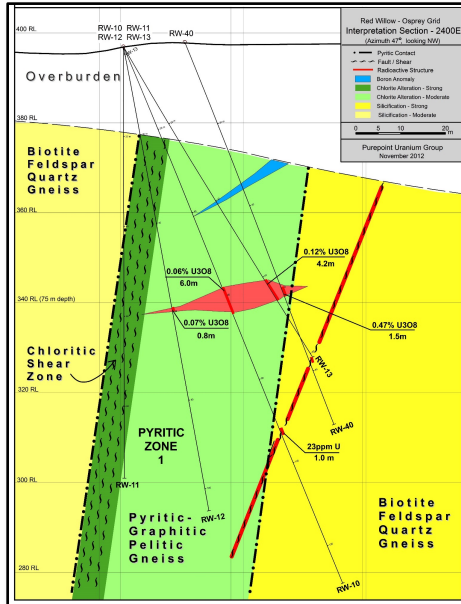




Red Willow  
100% owned

# Osprey Zone

Expanding the Discovery

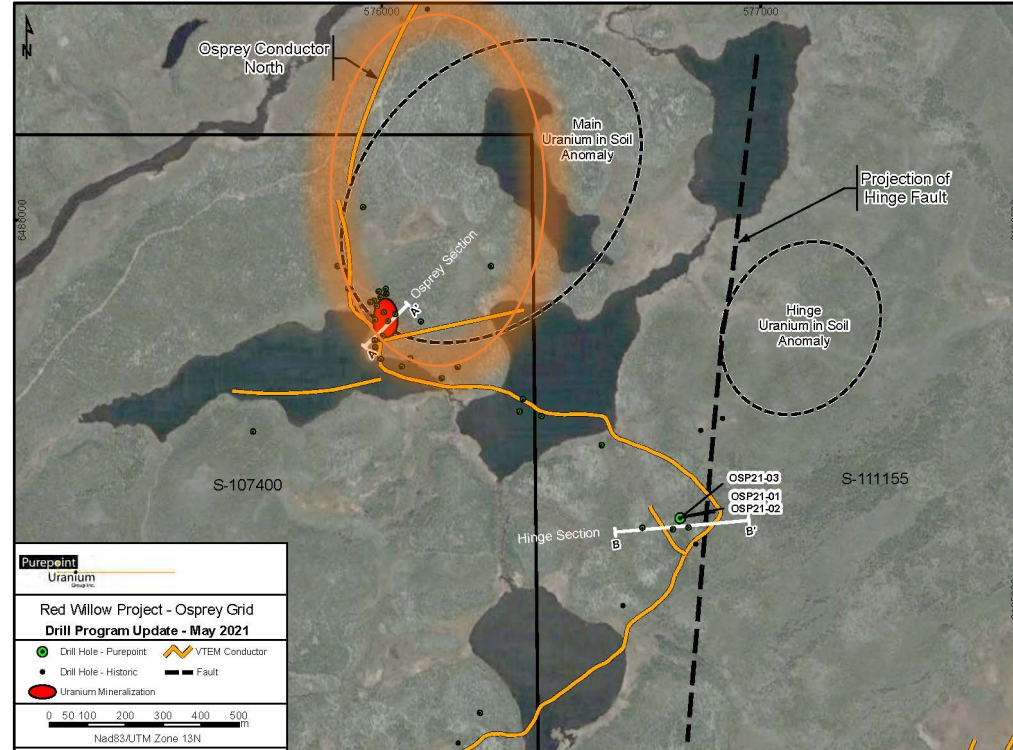


## Focus:

- Osprey mineralization remains wide open to the East
- Area covered by large uranium in soil anomaly
- Osprey conductor untested for several km to the north

## Objective:

- Determine if Osprey opens to a larger expanded deposit





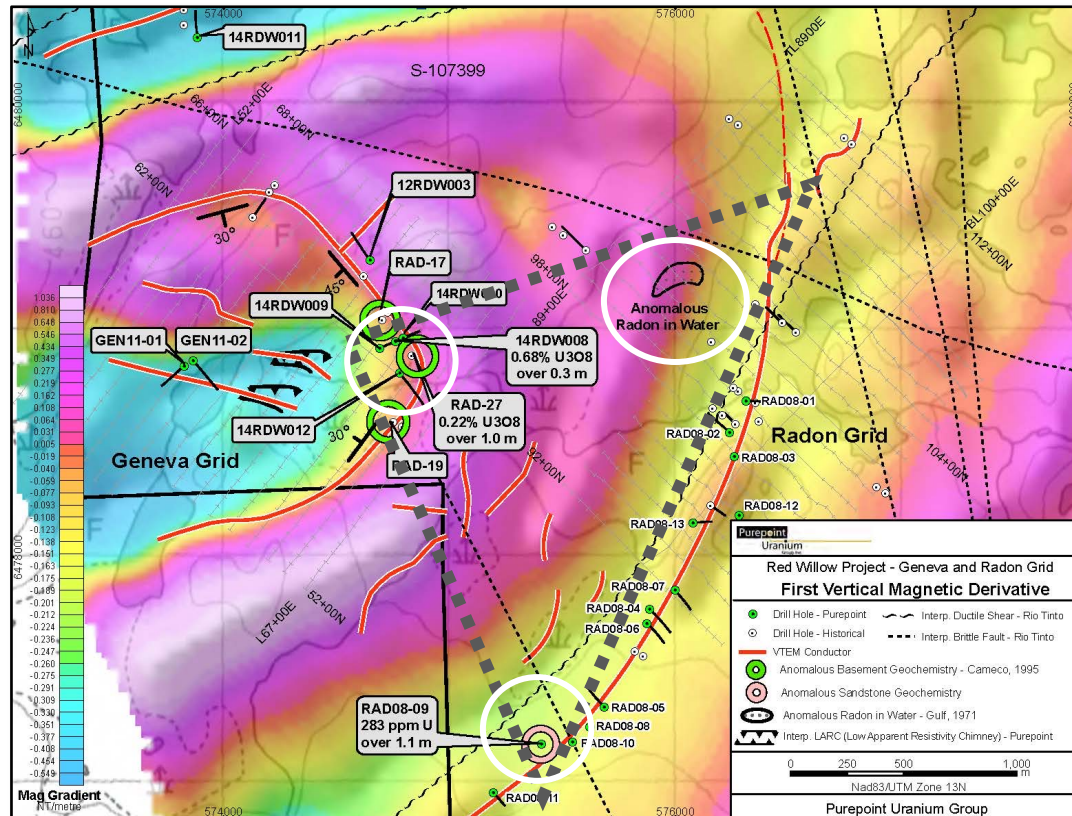
Red Willow  
100% owned

# Geneva/Radon Zones

## Testing for Basement Hosted Deposits

### Opportunity for discovery:

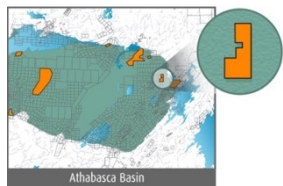
- Historic drilling did not test for basement style deposits.
- Prospective area represented by a triangular region cornered by:
  - ✓ RAD-27, **0.22% U<sub>3</sub>O<sub>8</sub>** over 1.0m;
  - ✓ RAD08-09, **283 ppm U<sub>3</sub>O<sub>8</sub>** over 1.0m; and
  - ✓ Radon Lake, host to the **highest radon in water** anomalies in the eastern Basin



Turnor Lake  
100% owned

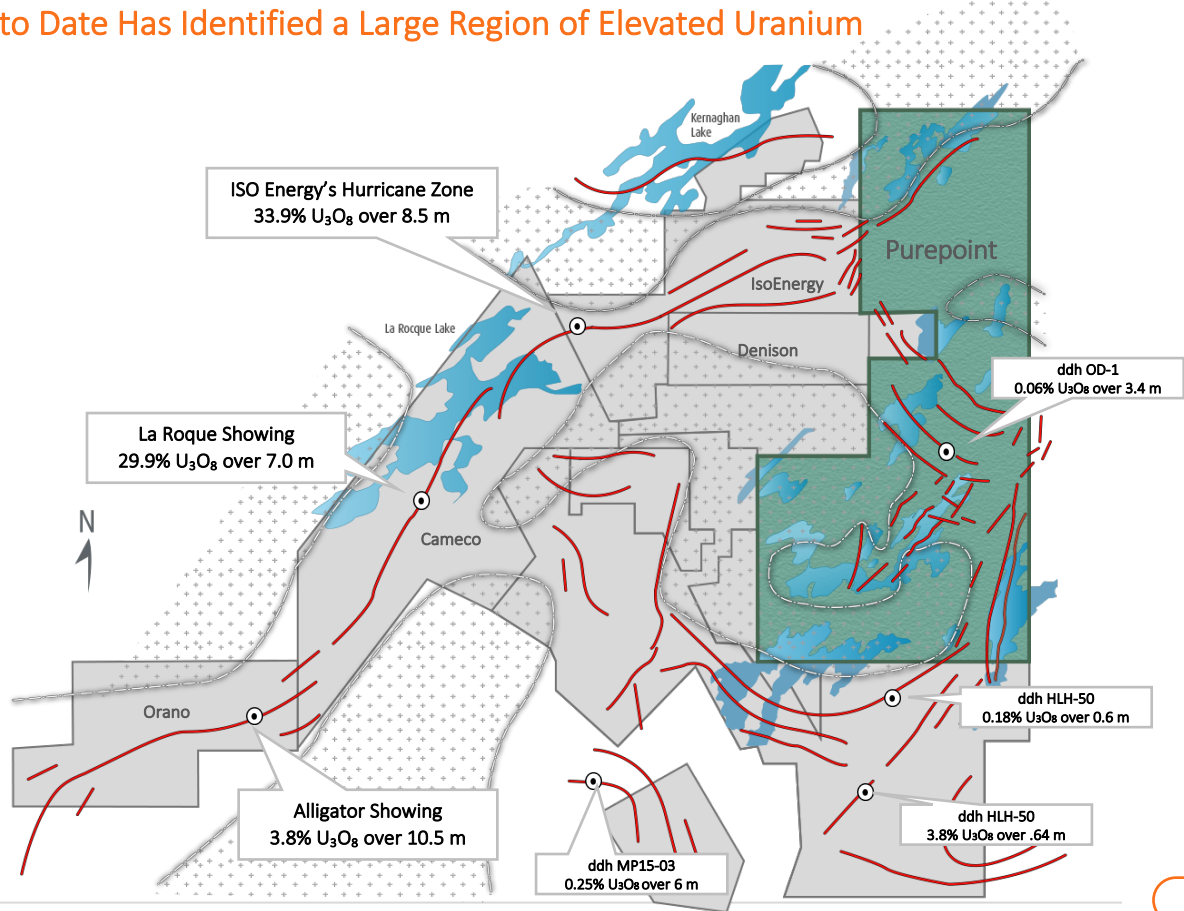
# Turnor Lake

Drilling to Date Has Identified a Large Region of Elevated Uranium



## Description:

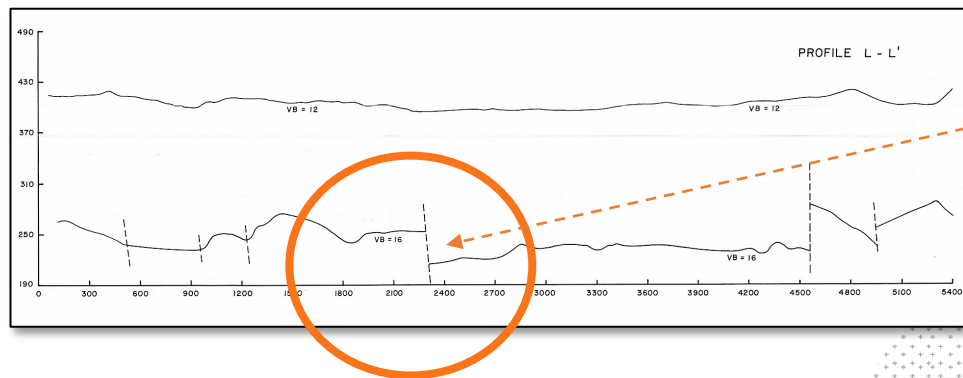
- 9,706 hectares situated in the eastern plane of the Athabasca Basin
- 100% Owned
- Assessment held until: August 2031



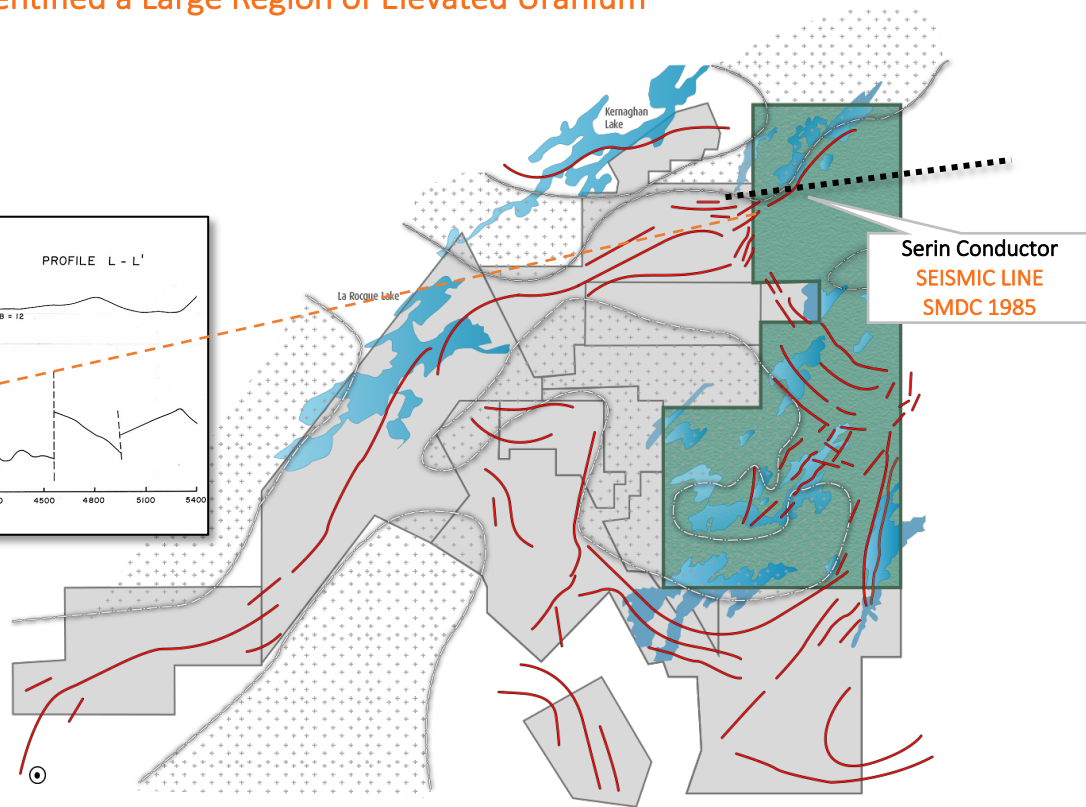
Turnor Lake  
100% owned

# Turnor Lake

Drilling to Date Has Identified a Large Region of Elevated Uranium



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



# 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, 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

**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.



# Capital Structure



## TSX Venture: PTU/ OTCQB: PTUUF

Market Capitalization (as of October 31, 2021)	\$43.21mm
52 Week Range	\$0.195 - \$0.035
Shares Outstanding	332.42 mm
Options (@\$0.09 weighted avg.)	23.99 mm
Warrants (@\$0.11 weighted avg.)	79.81 mm
Shares Fully Diluted	436.22 mm
Insider Ownership	~4.5%
Institutional Ownership	~27%
Cash on Hand	~\$4.0 million

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