TERRA CLEAN ENERGY CORP.

CSE: TCEC • OTCQB: TCEFF • FSE: C9O0

Developing the Fraser Lakes B Uranium Deposit & Past Producing Mines in San Rafael Swell

CSE: TCEC | OTCQB: TCEFF | FSE: C9O0

NOVEMBER 2025 INVESTOR DECK

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The technical information in this presentation has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of Terra Clean Energy by C. Trevor Perkins, P.Geo, Vice President, Exploration for the Company, and a qualified person as defined by NI 43-101.

**Front Page: The historical resource is described in a technical report on the Falcon Point uranium project, Northern Saskatchewan, dated March 20, 2015, and filed on SEDAR by Skyharbour Resources Ltd. Terra is not treating the resource as current and has not completed sufficient work to classify the resource as a current mineral resource. While Terra is not treating the historical resource as current, it does believe the work conducted is reliable and the information may be of assistance to readers.*

Only microcap in the Athabasca Basin & San Rafael Swell with the ability to develop **shallow, near-surface uranium deposits**

"Pounds in the Ground" earn-in provides **path to an asset backed valuation**

Exceptional exploration **upside for discovery of additional deposits on the project ground**

Potential to increase size/pounds with more drilling

Higher-grade results indicate **potential to increase grade**

Fertile corridor along the Way Lake Conductor, **ideal for high-grade uranium mineralization**

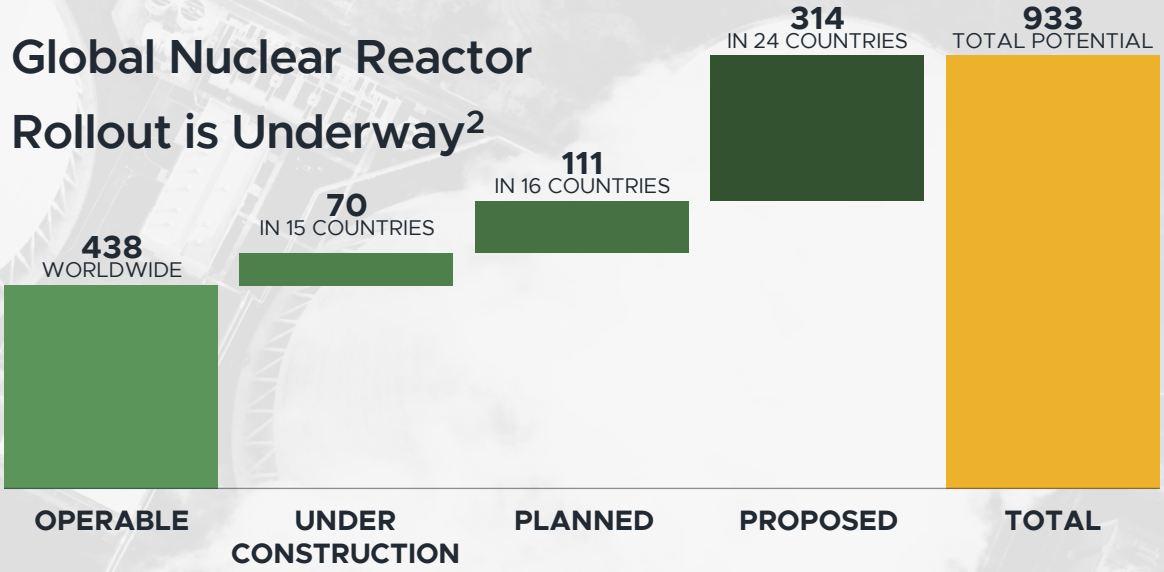
Management with relevant **uranium experience and significant discovery success**

Early-stage capital structure

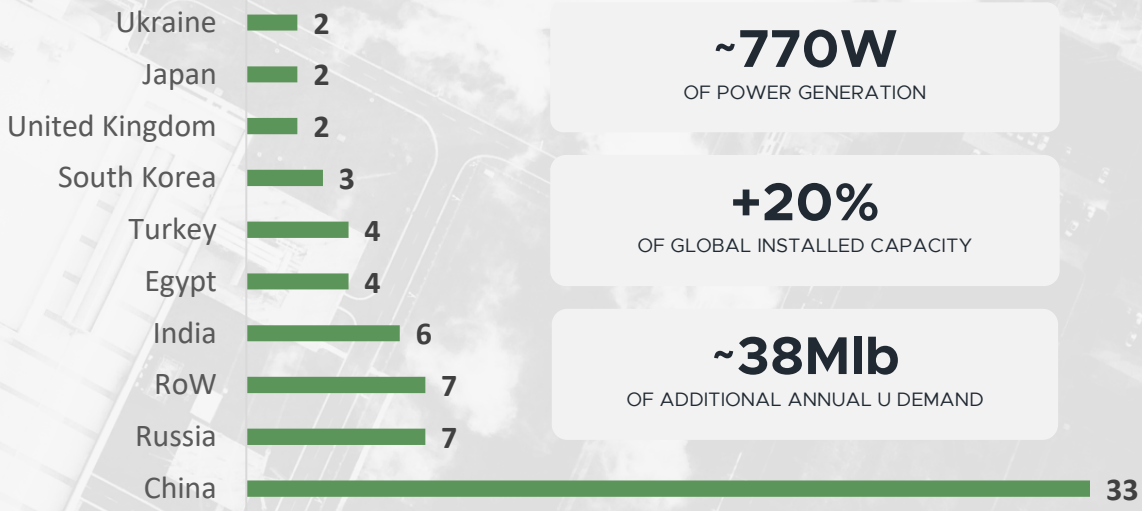
Global nuclear energy demand driven by the need for clean and reliable baseload power.

- Current demand for uranium is underpinned by existing global reactor fleet, reactors under construction and reactor life extensions & restarts in the US and elsewhere
- Significant incremental demand for nuclear energy:
  - **COP28 and COP29:** 31 countries, including the US, Canada, the UK and France, pledged to triple nuclear power capacity by 2050
  - **Trump's executive orders:** aimed at boosting the nuclear energy sector in the US with the goal of quadrupling the US nuclear fleet from ~100GW to 400GW by 2050 – implies an additional ~150Mlb of annual U_3O_8 demand out to 2050 (for the US alone)[1]
  - **Data centres and AI:** require significant clean & reliable baseload power

Global Nuclear Reactor Rollout is Underway[2]



70 Reactors Under Construction[2]



~770W
OF POWER GENERATION

+20%
OF GLOBAL INSTALLED CAPACITY

~38Mlb
OF ADDITIONAL ANNUAL U DEMAND

Source: 1. The White House, Presidential Actions, Executive Orders, 23 May 2025.2. World Nuclear Association (WNA) – 'Nuclear Power in the World Today' – 3 October 2025.3. Assumes annual uranium requirements of 500 klb per GW of reactor operating capacity.

Demand for uranium significantly exceeds primary production.

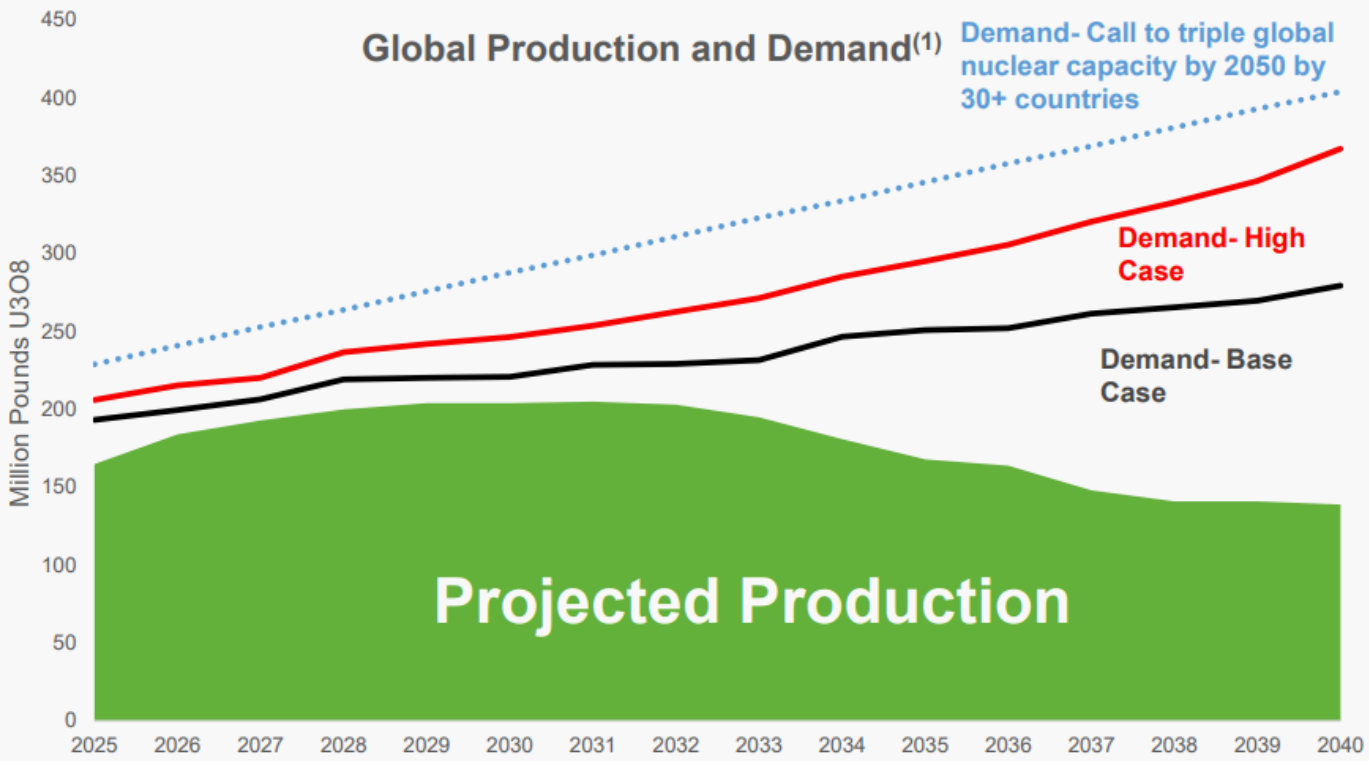
Growing demand coupled with underinvestment in uranium has led to a structural supply deficit that is projected to continue and widen through 2045.

Projected Production Gap[1]

Cumulative – Base Demand and Production Case

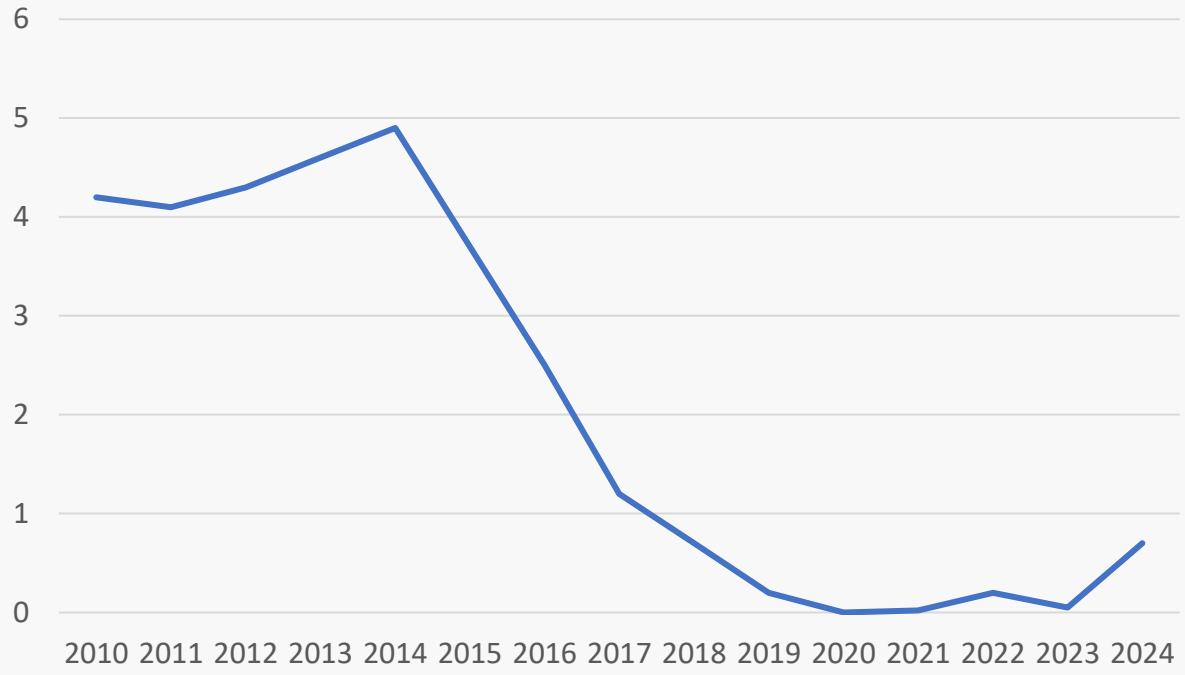
- 2025-2026**: 51 M lbs**
- 2025-2035: **355 M lbs**
- 2025-2040: **890 M lbs**
- 2025-2045: **1.75 B lbs**

US utilities are the world's largest consumer of uranium, with current demand of 47 M lbs/year[2]



Source: (1) UxC Market Outlook Q3 2025 (2) World Nuclear Association. (July 11, 2025: 18,137 tonnes U = 47.152 M lbs. U3O8) Note: U.S. origin unobligated U3O8 required to meet future U.S. Naval requirements are not reflected in these Demand projections."

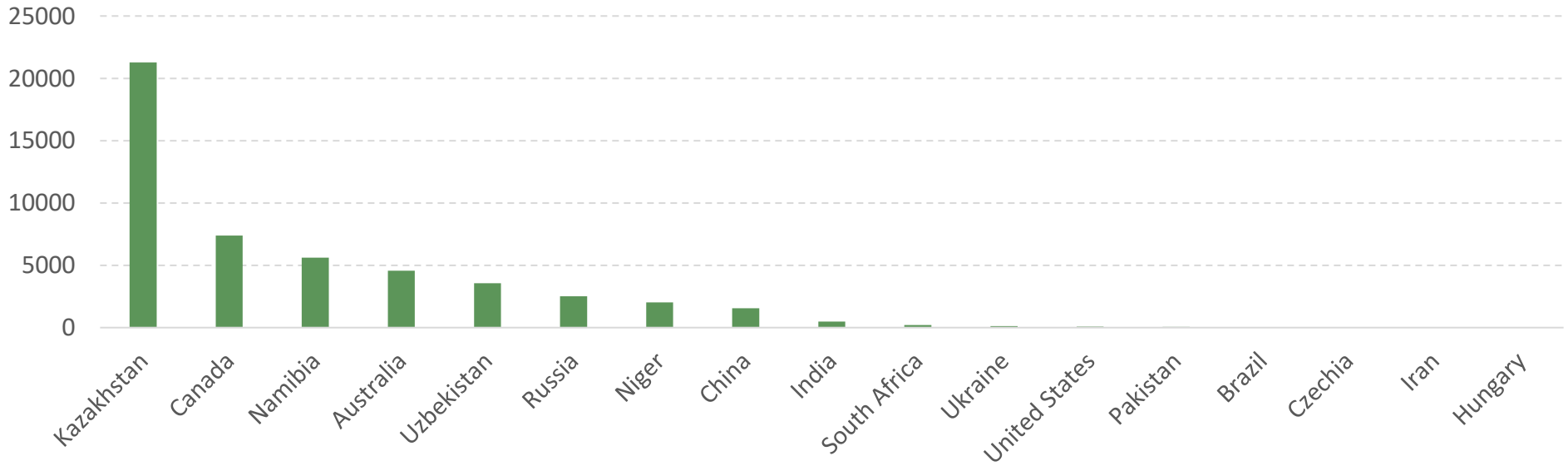
USA Mine Production of Uranium (M lbs U_3O_8)[1]



U.S. uranium mine production has collapsed over the past decade, leaving the country far behind global suppliers and increasingly reliant on foreign sources.

An Unpromising Start to America's Quest for Uranium Domination[2]

Uranium Production in 2022 (tonnes)

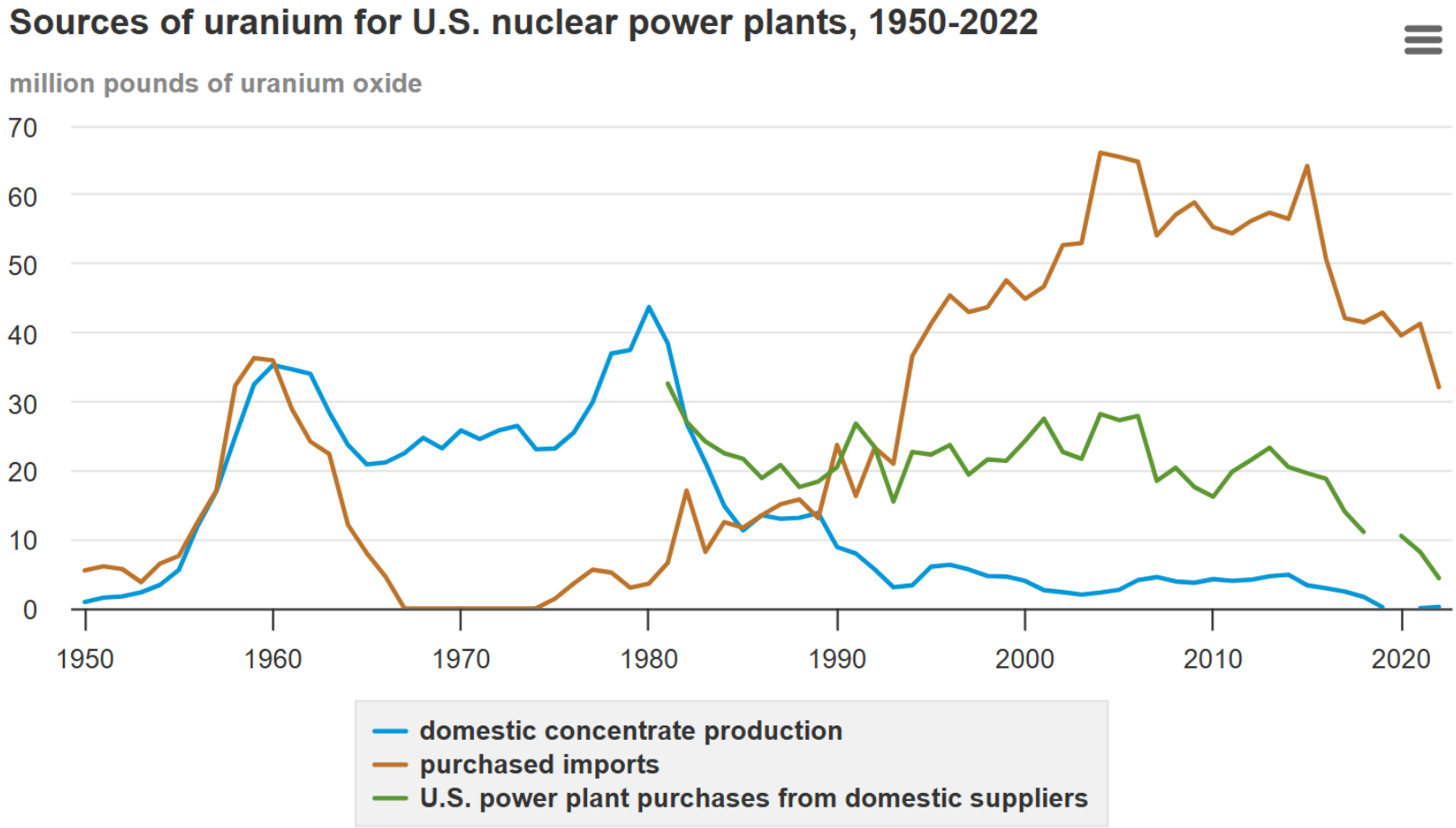


Source: 1. U.S. Energy Information Administration, Form EIA-851A, Domestic Uranium Production Report (2010–24) Note: W = Withheld data, 2. NUCLEAR ENERGY AGENCY / INTERNATIONAL ATOMIC ENERGY AGENCY

The United States imports most of the uranium it uses as fuel.

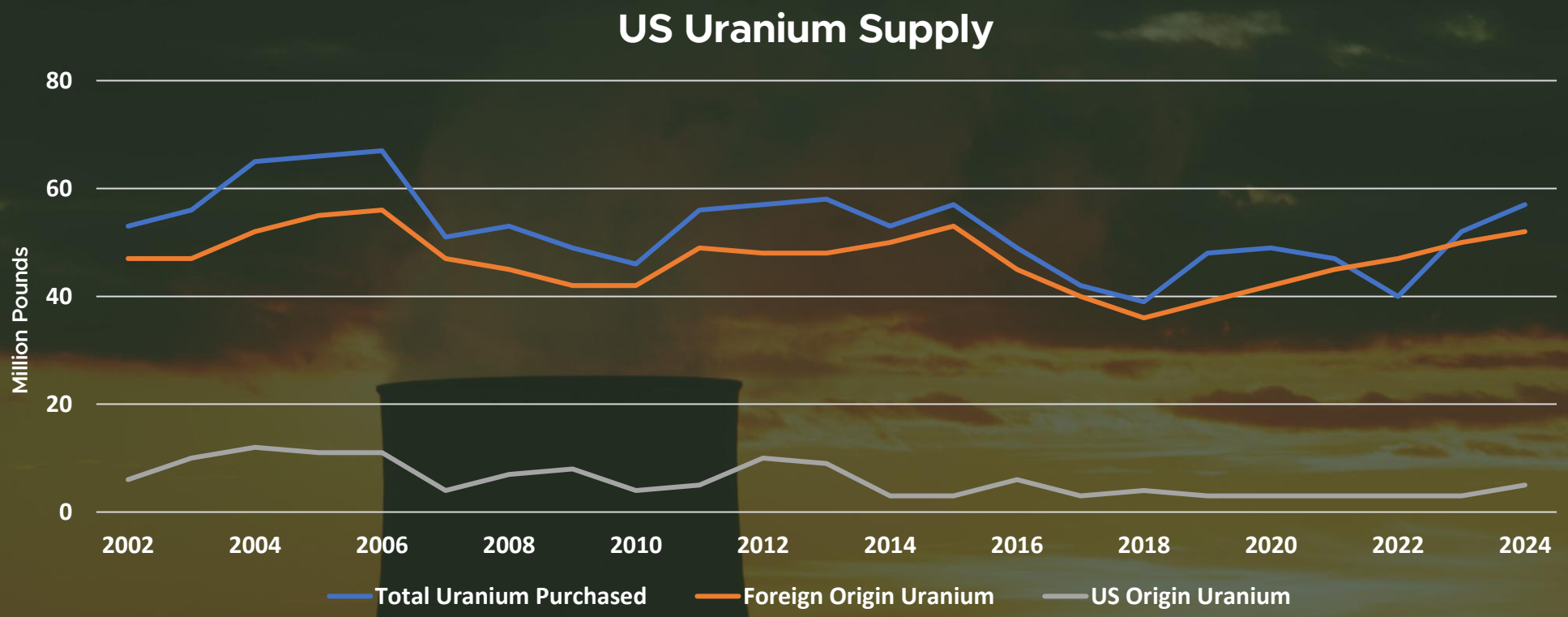
Uranium is the most-used fuel by nuclear power plants for nuclear fission. Uranium is a common metal found in rocks all over the world. Uranium occurs in combination with small amounts of other elements. Economically recoverable uranium reserves are located in the western United States, Australia, Canada, Central Asia, Africa, and South America.

Uranium production in the United States peaked in 1980, and uranium purchases by U.S. nuclear power plant operators from domestic suppliers peaked in 1981. Since 1992, the majority of uranium purchased by U.S. nuclear power plant operators was imported.



Source: U.S. Energy Information Administration, Monthly Energy Review, Table 8.2, June 2023Note: Data withheld for U.S. power plant purchases from domestic suppliers in 2019 and for domestic production in 2020 to avoid disclosure of individual company data.

Only 8% of US nuclear fuel originates domestically



Without a reliable domestic uranium supply, the U.S. nuclear power industry remains vulnerable.

The U.S. is heavily dependent on imported uranium — in 2024, over 90% of the uranium used in U.S. reactors was sourced from abroad. That reliance exposes America's nuclear fuel chain to geopolitical risk, supply shocks, price volatility, and disruptions from foreign policies or export restrictions. Boosting domestic uranium supply helps ensure a more secure and stable foundation for nuclear energy, reducing exposure to foreign leverage and supporting long-term energy independence.

San Rafael West Project

Past Producing Mines in the San Rafael Swell

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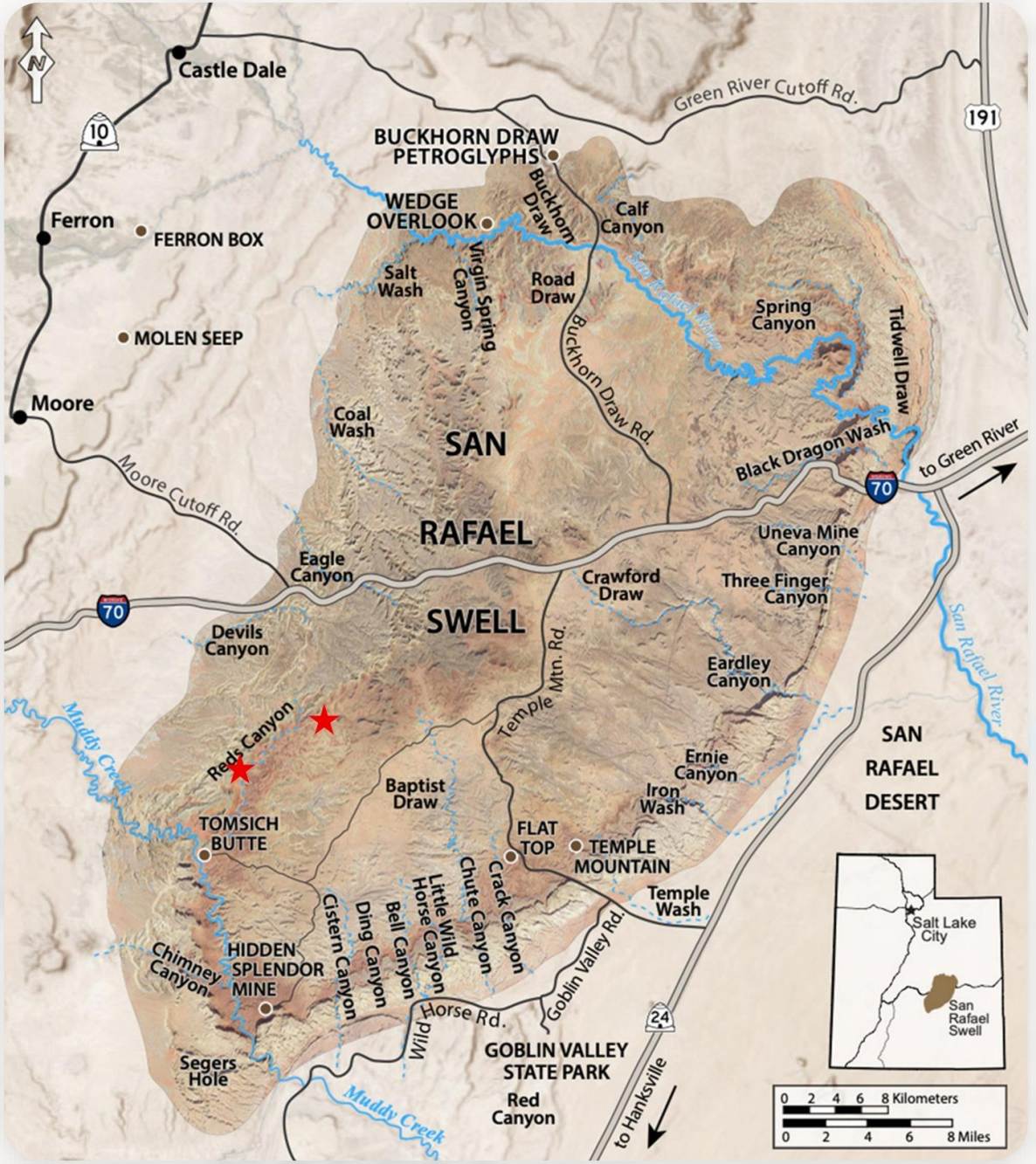
San Rafael Swell

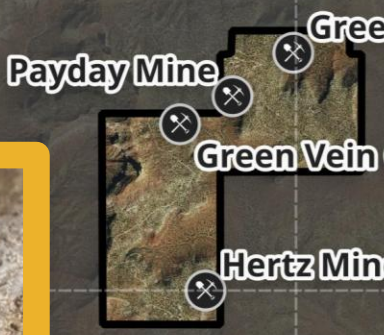
Terra has secured agreements to earn up to a 100% interest in two strategic claim groups (★) within the San Rafael Swell in Emery Country, Utah. This acquisition provides the Company with near-surface uranium exposure in a low-risk U.S. jurisdiction with strong infrastructure and government support.

The San Rafael Swell is a large, uplifted anticline in east-central Utah, part of the prolific Colorado Plateau uranium belt. Uranium within the San Rafael Swell was mined from the late 1940s through the 1970s, before operations ceased due to a market collapse rather than resource depletion. The district remains highly prospective, with multiple historic workings, adits, and shafts still visible.



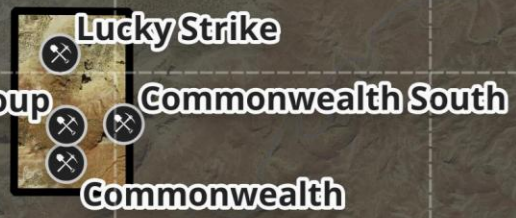
Project Highlights

- Two properties covering **nine past-producing uranium mines**
- Historic production of **several hundred thousand tons, grades up to 1% U_3O_8**
- **Surface uranium, vanadium, copper & cobalt with spectrometer readings up to 21,000 CPS (~0.22% U_3O_8)**
- **Excellent year-round access:** roads, power, and uranium mill within 75 miles
- **Staged earn-in** allows the company to optimize exploration programs
- Expands Terra's portfolio to include **two additional North American uranium assets**



Green Vein Mesa Property

Wheal Anne Property



Wheal Anne Property

The Wheal Anne Property covers approximately 130 hectares and includes the historic **Lucky Strike Mine** and associated uranium showings. This area represents a significant opportunity to expand on historic production with modern exploration tools.

- Includes the Lucky Strike Mine, discovered in 1949 with **historic production of 10,000+ tons @ 0.22% U_3O_8 and 0.09% V_2O_5**
- **Multiple additional uranium showings** within claim block

Green Vein Mesa Property

The Green Vein Mesa Claim Group covers approximately 300 hectares and hosts multiple historic uranium mines, including Payday, **Hertz**, and the Green Vein group. These mines were historically high-grade, with reported samples up to 1% U_3O_8.

- Approx 10km northeast of Wheal Anne
- Covers Payday, Hertz, and Green Vein Mines
- Reported local samples up to 1% U_3O_8
- Strong uranium mineralization in Chinle Formation

South Falcon East Project

Athabasca Basin, Saskatchewan

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Ideal Location Near World-Class Uranium Operations

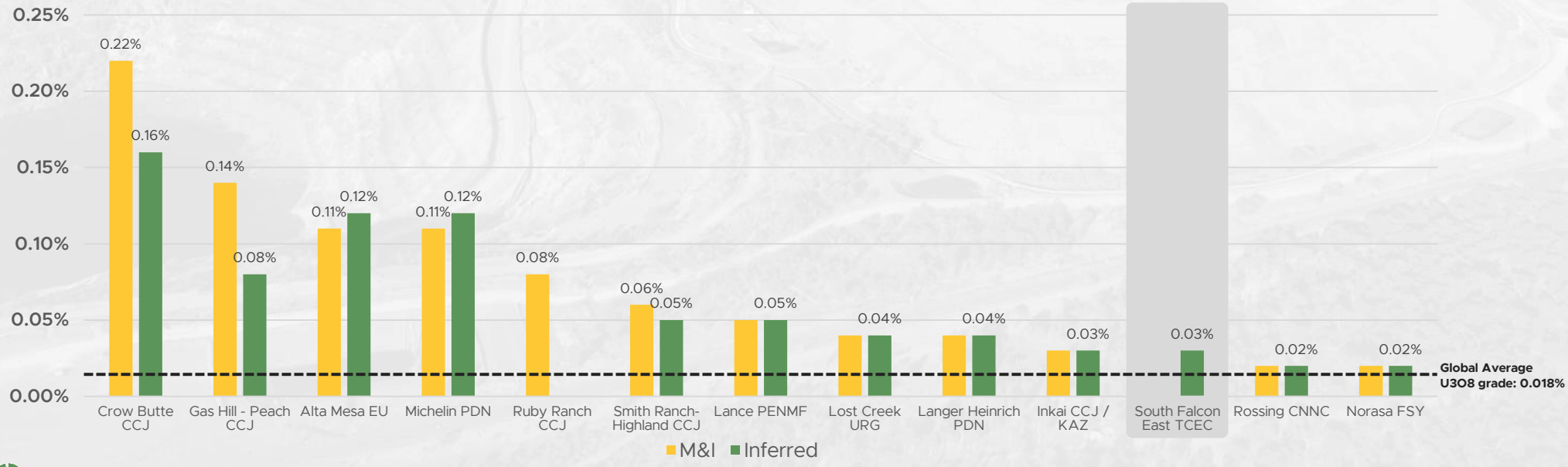
Athabasca Basin Area Companies	Market Caps (~$CDN)
Skyharbour Resources	$83M
Cameco	$23.8B
Denison	$2.1B
NexGen	$5.1B
Orano	$40B (est)
Uranium Energy	$2.5B US
Rio Tinto	$30B US
Terra Clean Energy	**<$5M**

Athabasca Basin Deposit Comparisons*

While the average grade of any deposit in the Athabasca Basin is ~2.0% U3O8, the average uranium grade of any deposit globally is considerably lower at an estimated 0.018% U3O8. The trade-off between lower grade and shallower depth can lead to a profitable mining operation if situated near the needed infrastructure.

Deposit	Owner	Location	P&P		M&I		Inferred	
			lbs	% U3O8	lbs	% U3O8	lbs	% U3O8
Rabbit Lake	CCJ	Athabasca	-	-	38.6	0.95%	33.7	0.62%
Kintyre	CCJ	Australia	-	-	53.5	0.62%	6.0	0.53%
Crow Butte	CCJ	Nebraska	-	-	13.9	0.22%	1.8	0.16%
Gas Hills-Peach	CCJ	Wyoming	-	-	13.3	0.14%	6.0	0.08%
Alta Mesa	EU	Texas	-	-	3.4	0.11%	16.8	0.12%
Ruby Ranch	CCJ	Wyoming	-	-	4.1	0.08%	0.2	0.14%
Michelin	PDN	Labrador	-	-	105.6	0.09%	22.1	0.09%
Smith Ranch-Highland	CCJ	Wyoming	-	-	24.9	0.06%	7.7	0.05%
Lance	PENMF	Wyoming	-	-	16.2	0.05%	41.7	0.05%
Lost Creek	URG	Wyoming	-	-	12.7	0.04%	6.1	0.04%
Langer Heinrich	PDN	Namibia	83.8	0.04%	119.7	0.04%	0.4	0.04%
Inkai	KAP/CCJ	Kazakhstan	261.7	0.04%	89.1	0.03%	23.9	0.03%
South Falcon East	**TCEC**	**Athabasca**	**-**	**-**	**-**	**-**	**6.9**	**0.03%**
Rossing	CNNC	Namibia	N/A	0.03%	N/A	0.02%	N/A	0.02%
Norasa	FSY	Namibia	90.7	0.02%	115	0.02%	11.0	0.02%

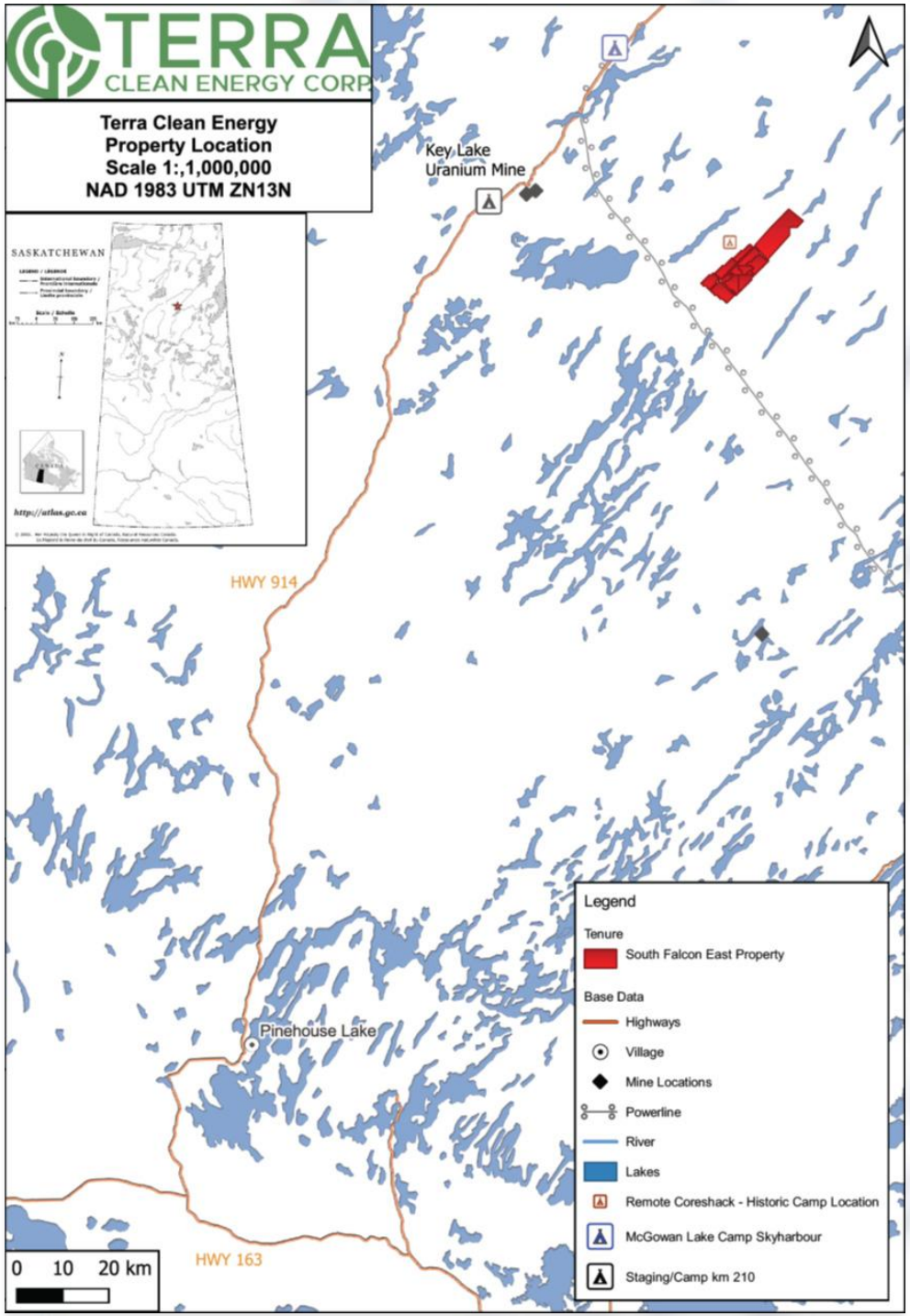
Uranium Mine Grades & Resources



Source: HoldCo Markets – Research Spotlight, August 22, 2024

Property Overview

- Fraser Lakes B Uranium Deposit
- 50 km east of the Key Lake Mill
- 18 km outside the Athabasca Basin margin
- 18 claims totaling 12,234 Ha
- Power line 10 km from the property



Historical Resource

In March of 2015, Skyharbour updated the historical NI 43-101 mineral resource estimate* for the Fraser Lakes Zone B deposit at the south end of the property:

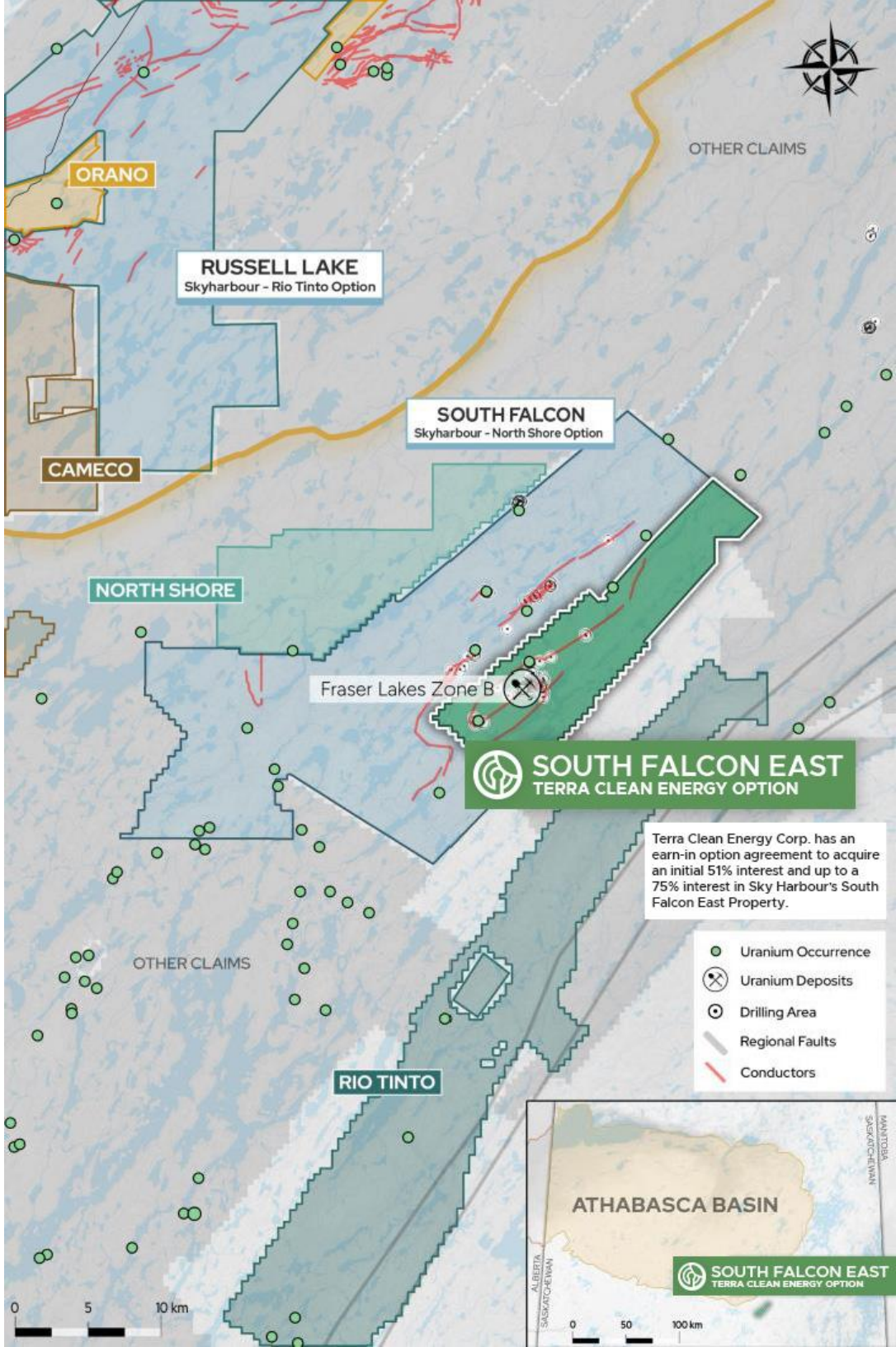
- **6,960,681 pounds U3O8** inferred at average grade of .03% U3O8 and **5,339,219 pounds ThO2** inferred at average grade of .023% ThO2 within 10,354,926 tonnes (cutoff grade of .01% U3O8)

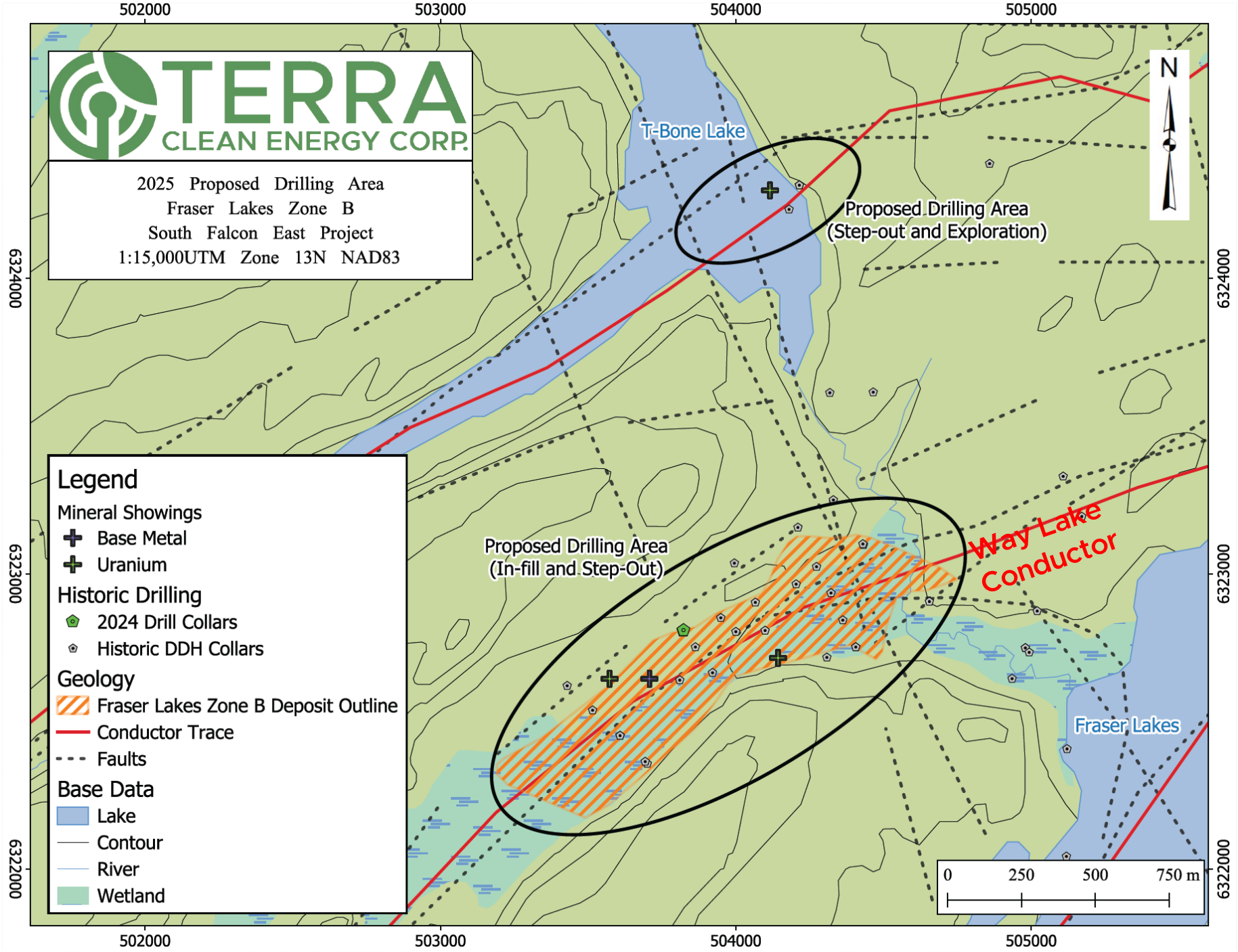
Fraser Lakes B Uranium Deposit*

Cut-off Grade	Tonnes	U_3O_8	
% U_3O_8		Grade (%)	Lbs
0.01%	10,354,926	**0.030**	**6,960,681**
0.02%	7,247,689	0.037	5,948,018
0.03%	4,248,266	0.046	4,275,145
0.04%	2,212,182	**0.056**	**2,744,506**

"The exploration potential of the Fraser Lakes target area is considered exceptional, including the historical resource expansion potential of the current deposit at Zone B."

**The historical resource is described in a technical report on the Falcon Point uranium project, Northern Saskatchewan, dated March 20, 2015, and filed on SEDAR by Skyharbour Resources Ltd. Terra is not treating the resource as current and has not completed sufficient work to classify the resource as a current mineral resource. While Terra is not treating the historical resource as current, it does believe the work conducted is reliable and the information may be of assistance to readers.*

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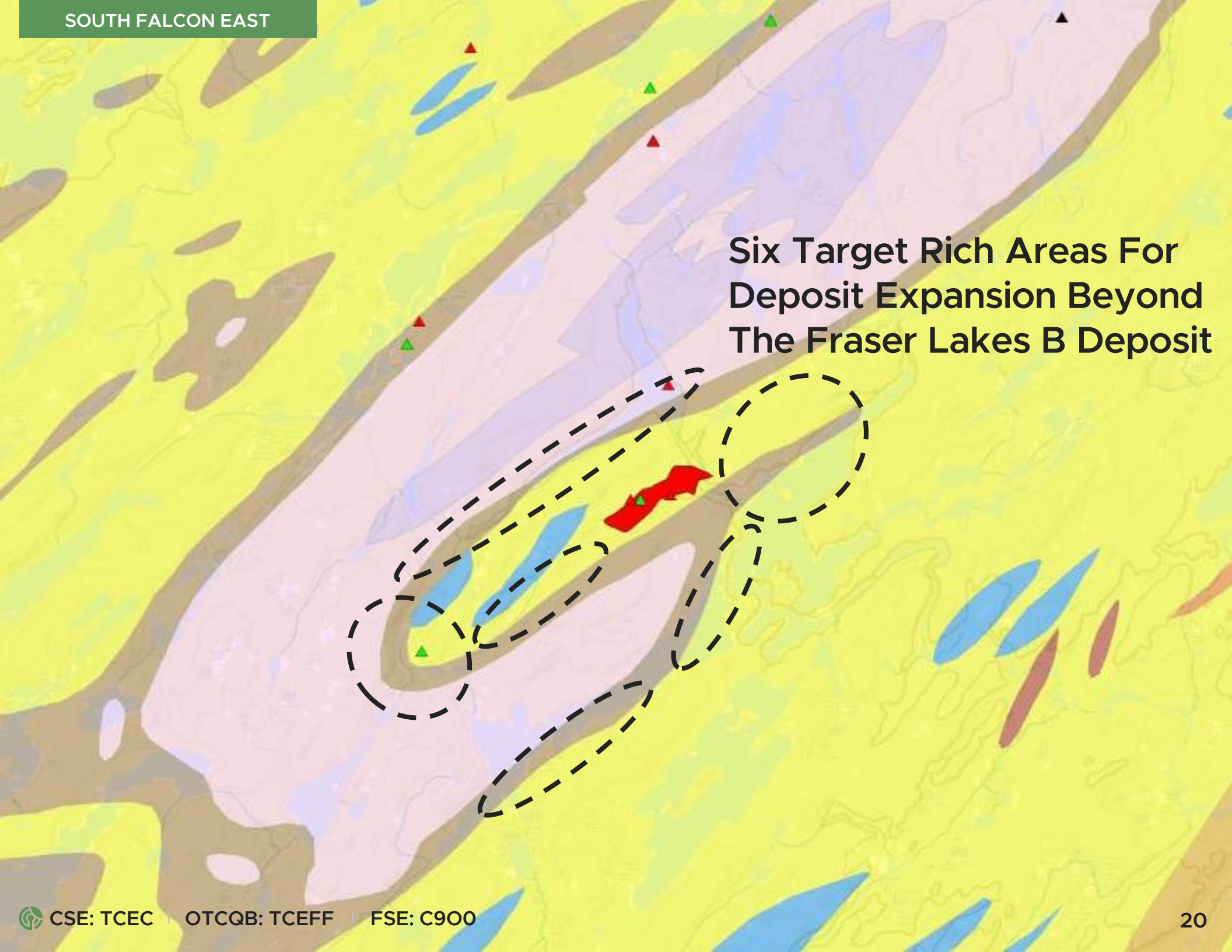
2025 Proposed Drilling Area
Fraser Lakes Zone B
South Falcon East Project
1:15,000UTM Zone 13N NAD83
T-Bone Lake
Proposed Drilling Area
(Step-out and Exploration)
Proposed Drilling Area
(In-fill and Step-Out)
Way Lake
Conductor
Fraser Lakes
N
Legend
Mineral Showings
Base Metal
Uranium
Historic Drilling
2024 Drill Collars
Historic DDH Collars
Geology
Fraser Lakes Zone B Deposit Outline
Conductor Trace
Faults
Base Data
Lake
Contour
River
Wetland
0 250 500 750 m
502000
503000
504000
505000
6324000
6323000
6322000

Six Target Rich Areas For Deposit Expansion Beyond The Fraser Lakes B Deposit

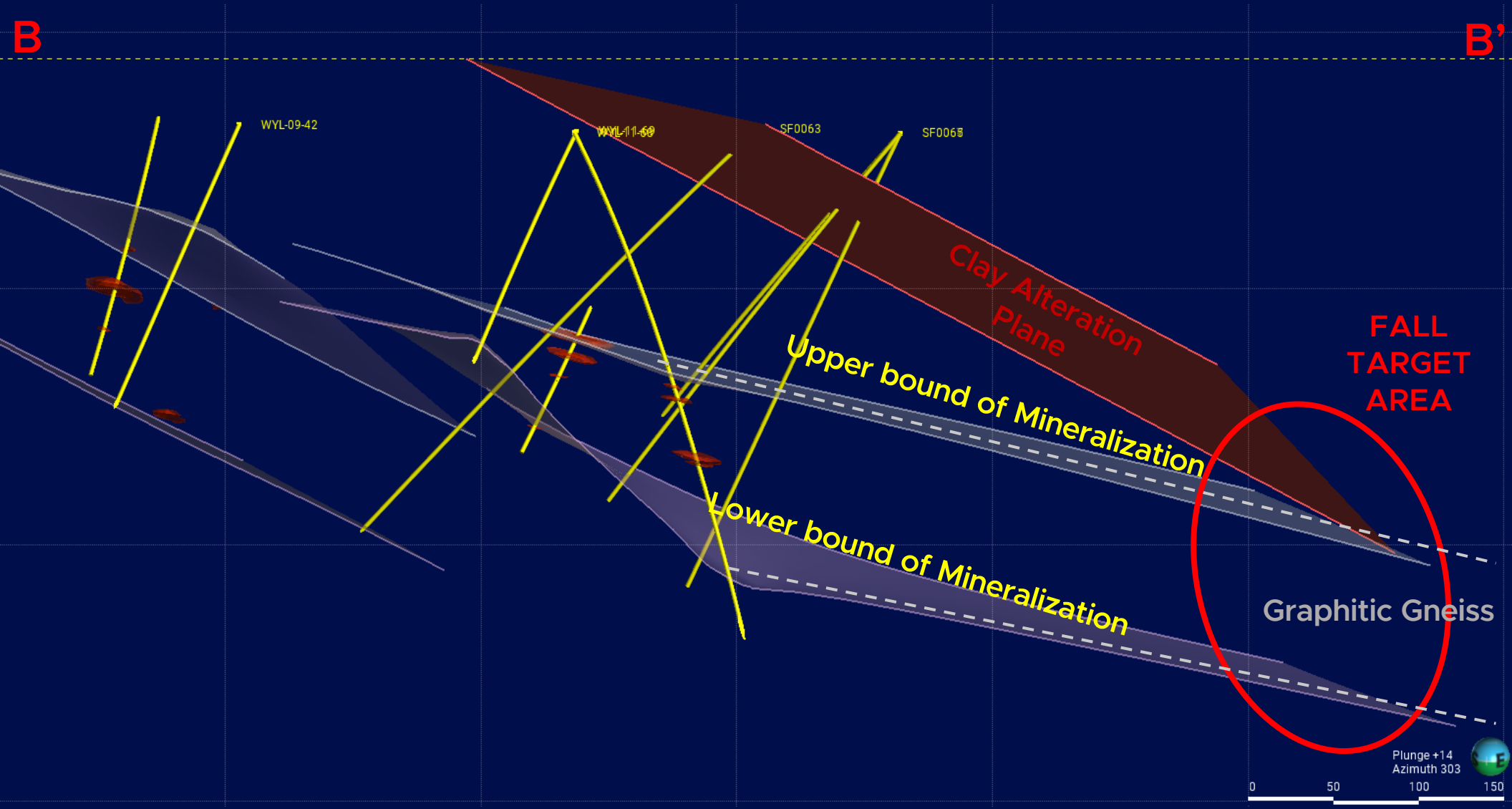


2025 Winter Drill Program

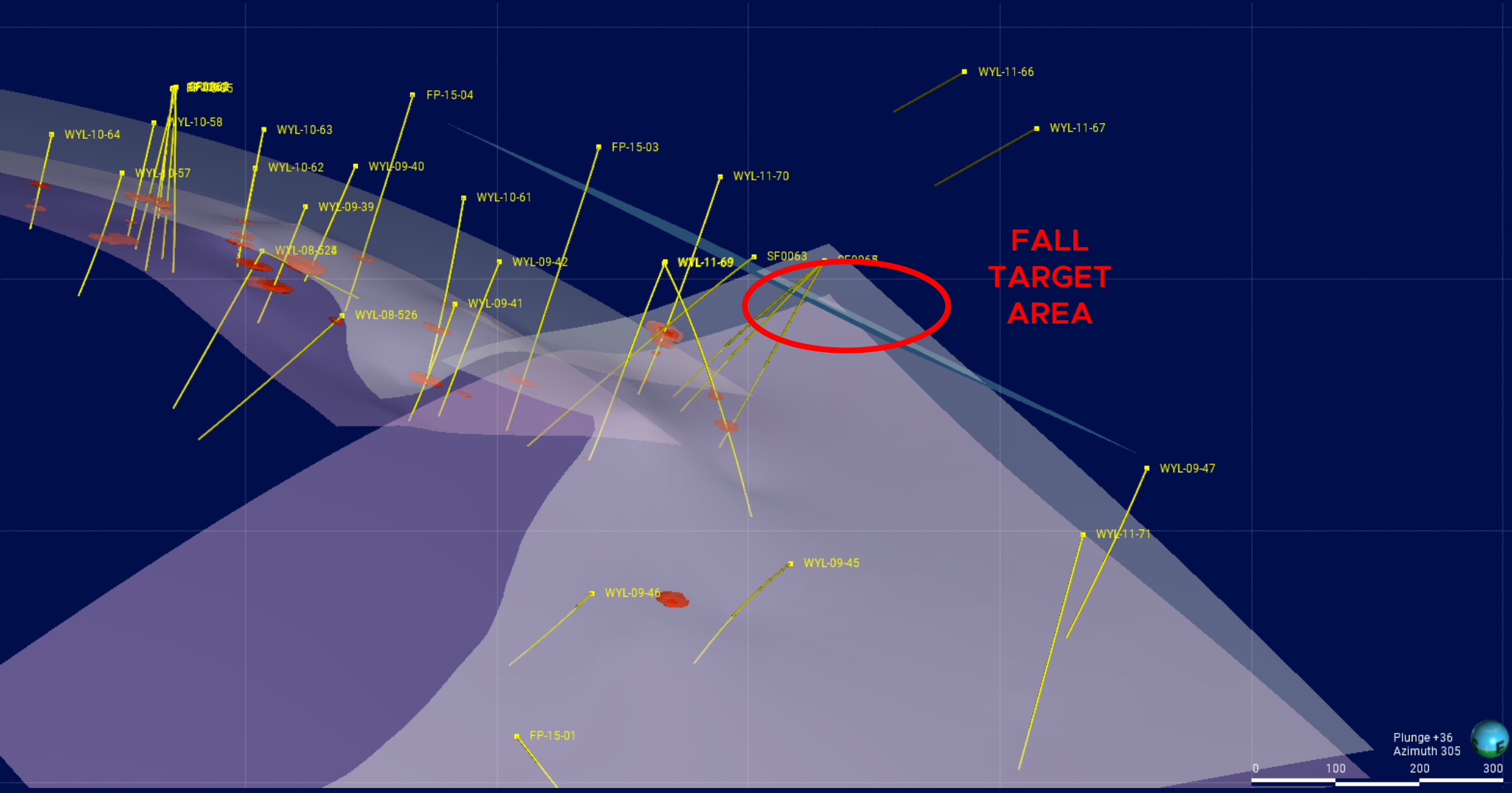
Hole Number	Zone	Azimuth (Deg)	Dip (Deg)	Start Date	Finish Date	Proposed Length (m)	Actual Total Depth (m)	Status	Notes
SF0061	Fraser Lakes B	135	-65	2025-02-22	2025-02-25	250	209	Completed	Follow-up hole on SF0059.
SF0062	Fraser Lakes B	150	-56	2025-02-25	2025-02-27	200	200	Completed	Testing lateral extent of FP-15-05 and SF0061
SF0063	Fraser Lakes B	220	-47	2025-02-28	2025-03-05	400	393	Completed	Testing North-South structure and historic drilling
SF0064	T Bone Lake	318	-55	2025-03-07	2025-03-09	250	239	Completed	Testing shallow clay alteration returned from 2015.
SF0065	Fraser Lakes B	215	-51	2025-03-10	2025-03-14	275	282	Completed	
SF0066	Fraser Lakes B	215	-65	2025-03-14	2025-03-16	300	302	Completed	Step-back targeting upper fault and clay alteration from SF0063
SF0067	Fraser Lakes B	230	-50	2025-03-17	2025-03-20	300	302	Completed	
						Total (m):	**1,927**		

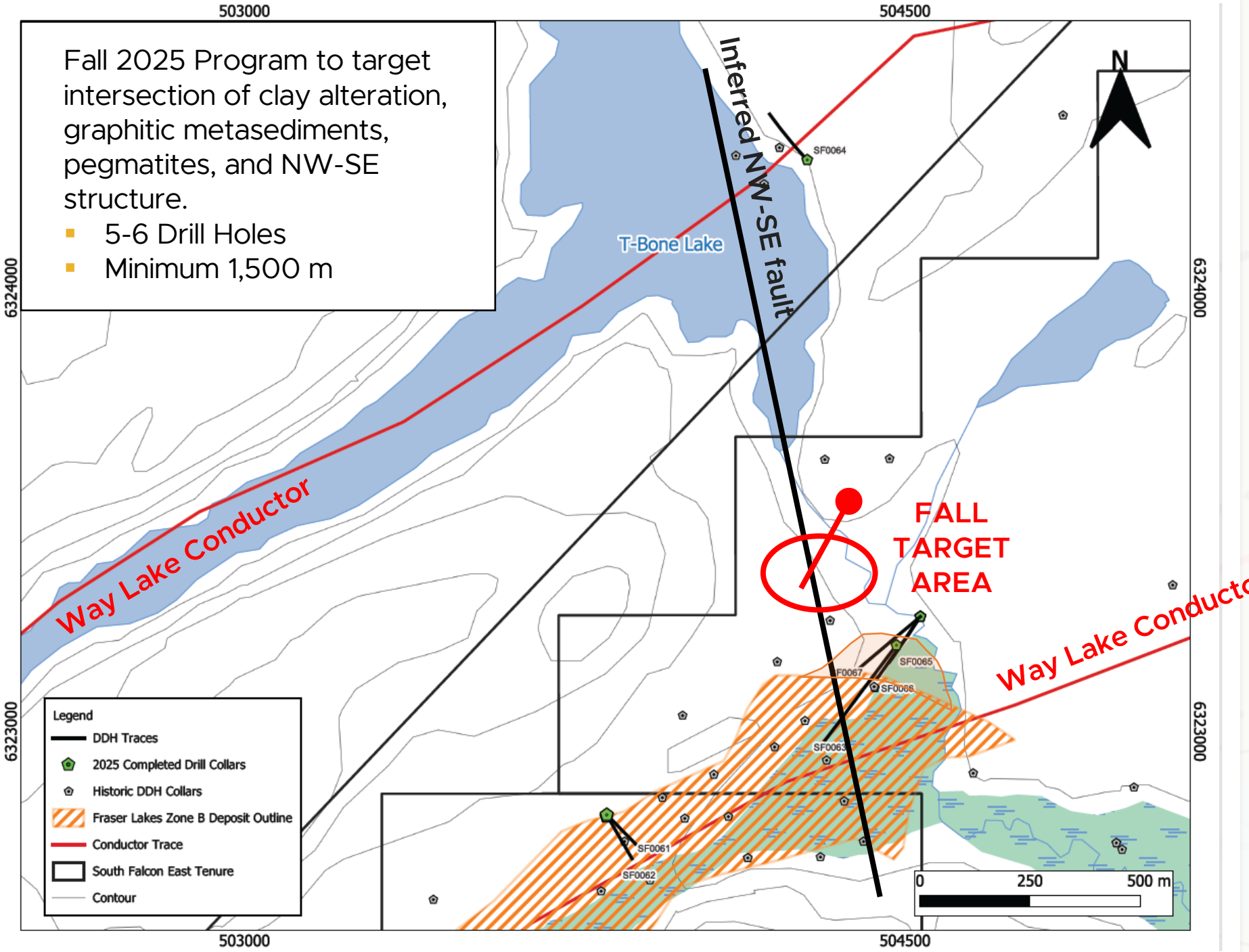
- Seven drill holes for 1,927 m
- Six holes with Uranium mineralization
- Four holes with widest intervals and highest grades seen on the property, with the trend still open to the Northwest - **an exciting setup for Fall drilling**

Cross Section Looking Northwest



3D Model Looking Northwest




Fall 2025 Program to target intersection of clay alteration, graphitic metasediments, pegmatites, and NW-SE structure.
5-6 Drill Holes
Minimum 1,500 m
503000
504500
6324000
6323000
N
Inferred NW-SE fault
T-Bone Lake
Way Lake Conductor
FALL TARGET AREA
Way Lake Conductor
SF0064
SF0065
F0067
SF0066
SF0063
SF0061
SF0062
Legend
DDH Traces
2025 Completed Drill Collars
Historic DDH Collars
Fraser Lakes Zone B Deposit Outline
Conductor Trace
South Falcon East Tenure
Contour
0
250
500 m

Greg Cameron
CEO, President & Director

Mr. Cameron has extensive experience and knowledge in business development, strategy, acquisitions and divestitures as well as corporate restructurings. He is a former Senior Investment Banker and held senior positions at leading Canadian and International Investment Banks including Canaccord Genuity, Orion Securities and Macquarie. He currently is the Managing Director of Colby Capital Limited, a private merchant bank in Toronto. Mr. Cameron has over two decades of high-level experience in the capital markets, serving on numerous public and private company boards from startups to seasoned public companies.

C. Trevor Perkins P.Geo
Vice President, Exploration

Mr. Perkins is a Professional Geologist with wide-ranging experience in planning and executing mineral exploration programs and managing exploration teams. He brings a proven track record in uranium exploration that includes significant results. He works with Director Alex Klenman as the VP, Exploration of Azincourt Energy Corp., a TSX Venture listed explorer developing the East Preston Uranium Project, located in the southwestern Athabasca Basin, Saskatchewan.

Alex Klenman
Director

Mr. Klenman is an experienced junior mining executive whose career spans over 30 years in the private and public sectors. He has over a decade of uranium-specific experience in the capital markets including consulting roles with Forum Uranium and others, and subsequently as CEO and director of Azincourt Energy Corp, a position he has held since 2017. During his tenure at Azincourt he has raised more than $18 million for grassroots uranium exploration in the Basin and has been successful in establishing relationships with institutional investors and funds across Canada, the USA, Australia, and Europe.

Tony Wonnacott
Director

Tony Wonnacott is a corporate securities lawyer based in Toronto, Ontario with over 25 years of experience. He is a member of the Law Society of Upper Canada and holds a B.Comm. (cum laude) from Saint Mary's University and an LL.B. from Dalhousie University. As a consultant, officer and director of several companies, Mr. Wonnacott has been involved with the successful listings of private companies, the outright sale of a company for approximately $750 million and capital raisings in excess of $1 billion.

Brian Shine
CFO

Mr. Shine specializes in providing financial reporting, corporate finance, auditing, corporate strategy, risk management and other accounting and consulting services to both public and private companies in various industries. Mr. Shine holds the professional designation of chartered professional accountant (CPA) in British Columbia. Mr. Shine boasts extensive experience spanning approximately 15 years, serving in roles ranging from consultant to auditor, controller, and CFO.

Jordan Trimble B.Sc., CFA
Technical Advisor

Through his career Mr. Trimble has founded and helped manage several public and private companies having worked in the resource industry in various roles specializing in management, corporate finance and strategy, shareholder communications, business development and capital raising. He is a frequent speaker at resource and mining conferences globally. Jordan Trimble is the President and Chief Executive Officer as well as a Director of Skyharbour Resources Ltd.

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TCEC	TCEFF	C9O0

SHARES OUTSTANDING	WARRANTS	OPTIONS & RSUS
57,431,993	31,923,090	2,762,500

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