



NOBLE PLAINS
URANIUM CORP

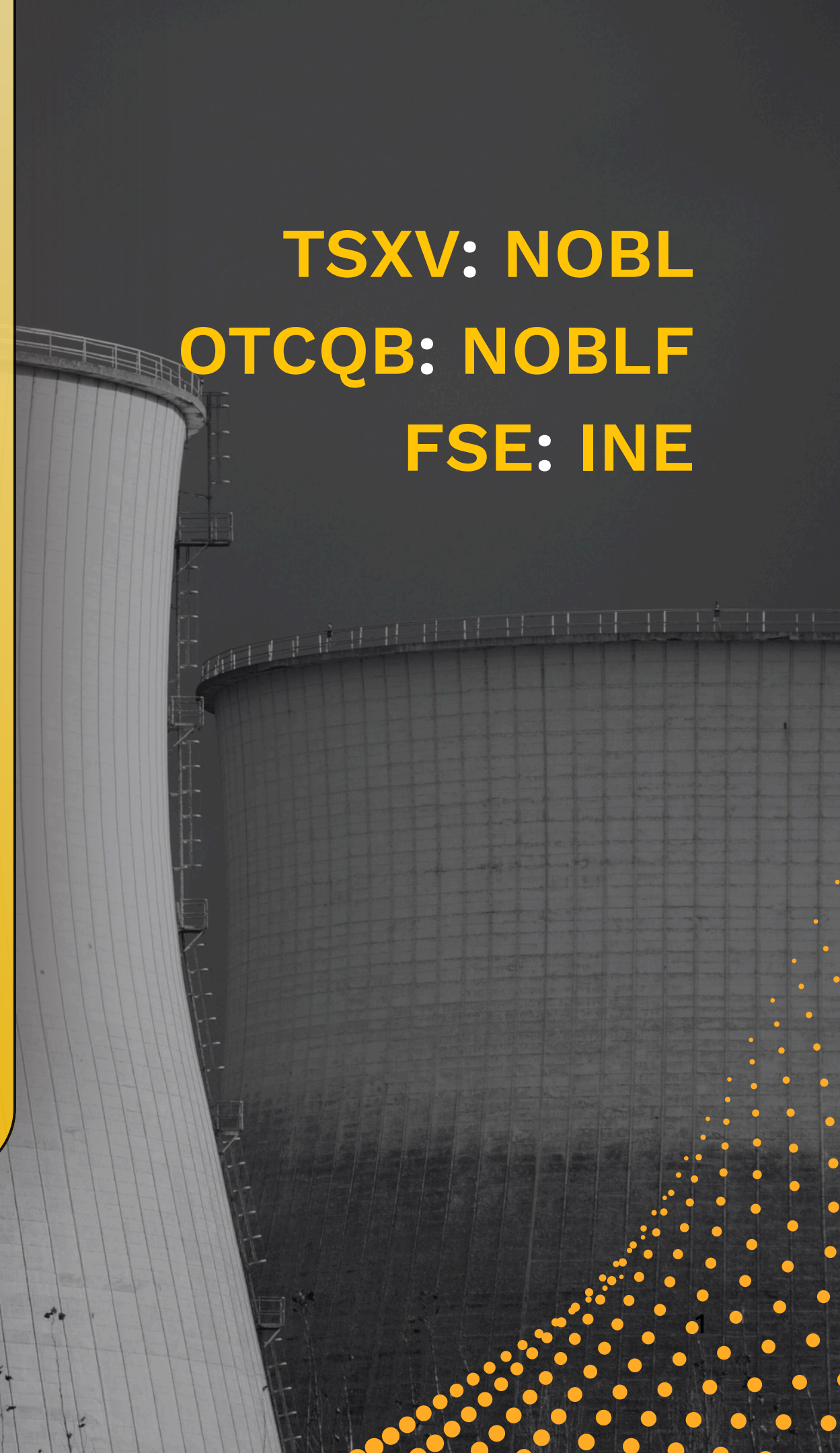
FUELING THE NUCLEAR RENAISSANCE FROM AMERICA'S URANIUM HEARTLAND

CORPORATE PRESENTATION

NOBLEPLAINS.COM

TSXV: NOBL
OTCQB: NOBLF
FSE: INE

**MAY
20
25**





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(Bradley Parkes, P.Geo., VP Exploration and Director of Noble Plains Uranium Corp., is the Qualified Person as defined in National Instrument 43-101, who has reviewed and approved the technical content of this presentation.)



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The forward-looking statements contained in this presentation are made as of the date hereof or the dates specifically referenced in this Presentation, where applicable. Except as required by law, the Corporation undertakes no obligation to update publicly or to revise any forward-looking statements that are contained or incorporated in this presentation. All forward-looking statements contained in this presentation are expressly qualified by this cautionary statement.



ABOUT NOBLE PLAINS URANIUM CORP.

Noble Plains Uranium Corp. (TSXV: NOBL | OTCQB: NOBLF | FSE: INE) is focused on acquiring and advancing U.S.-based uranium projects amenable to In Situ Recovery (ISR)—the most capital-efficient and environmentally responsible method of extraction. We target historical and underexplored assets in supportive jurisdictions, with the objective of rapidly delineating NI 43-101-compliant resources.

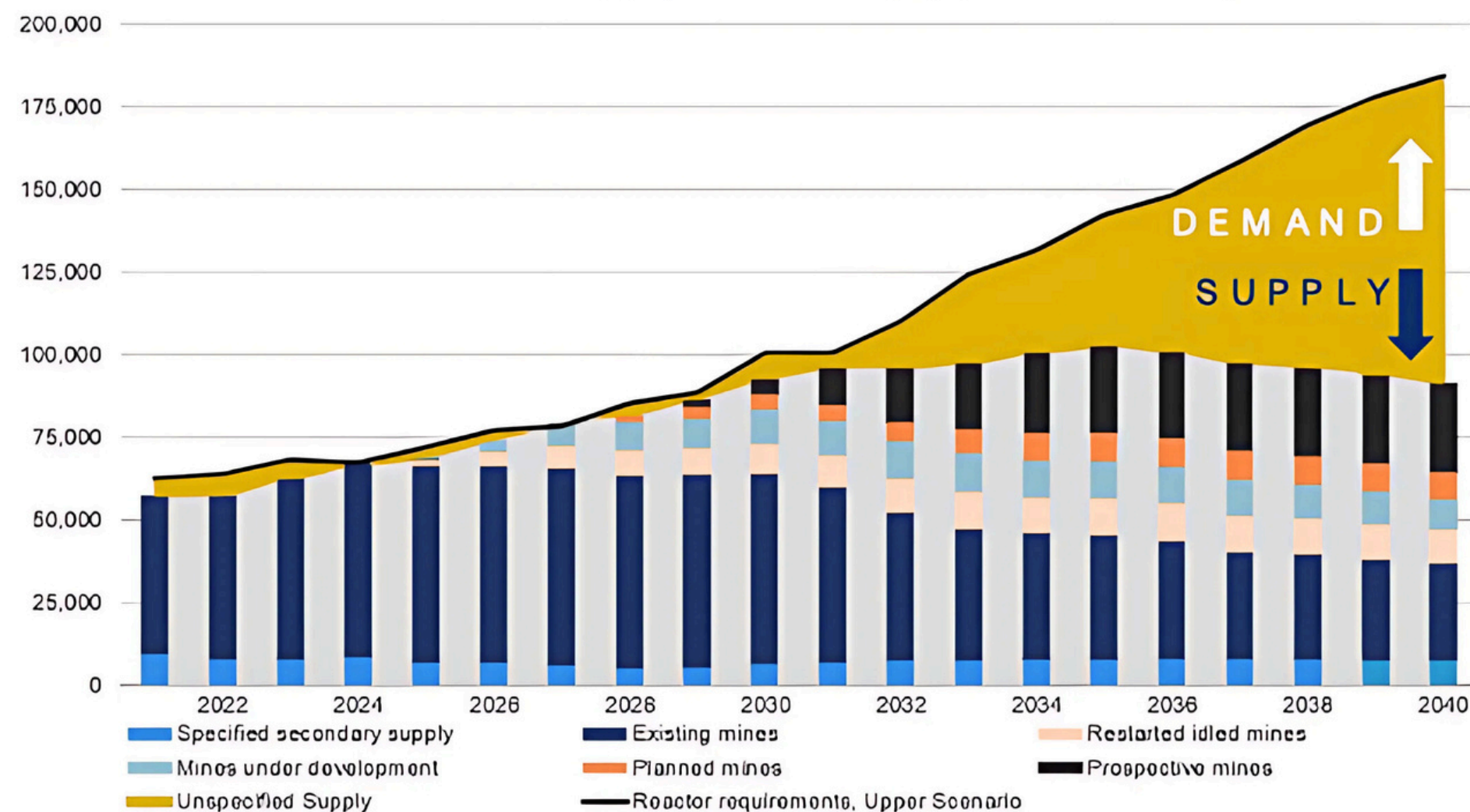
With U.S. energy policy accelerating domestic uranium demand and a global nuclear renaissance underway, Noble Plains is strategically positioned to benefit from a structurally rising uranium market. Through a disciplined and scalable exploration approach, we offer investors pure-leverage exposure to the uranium cycle.

Our strategy is simple: build an inventory of pounds in the ground, not mines—generating maximum leverage with minimal dilution.



WHY URANIUM?

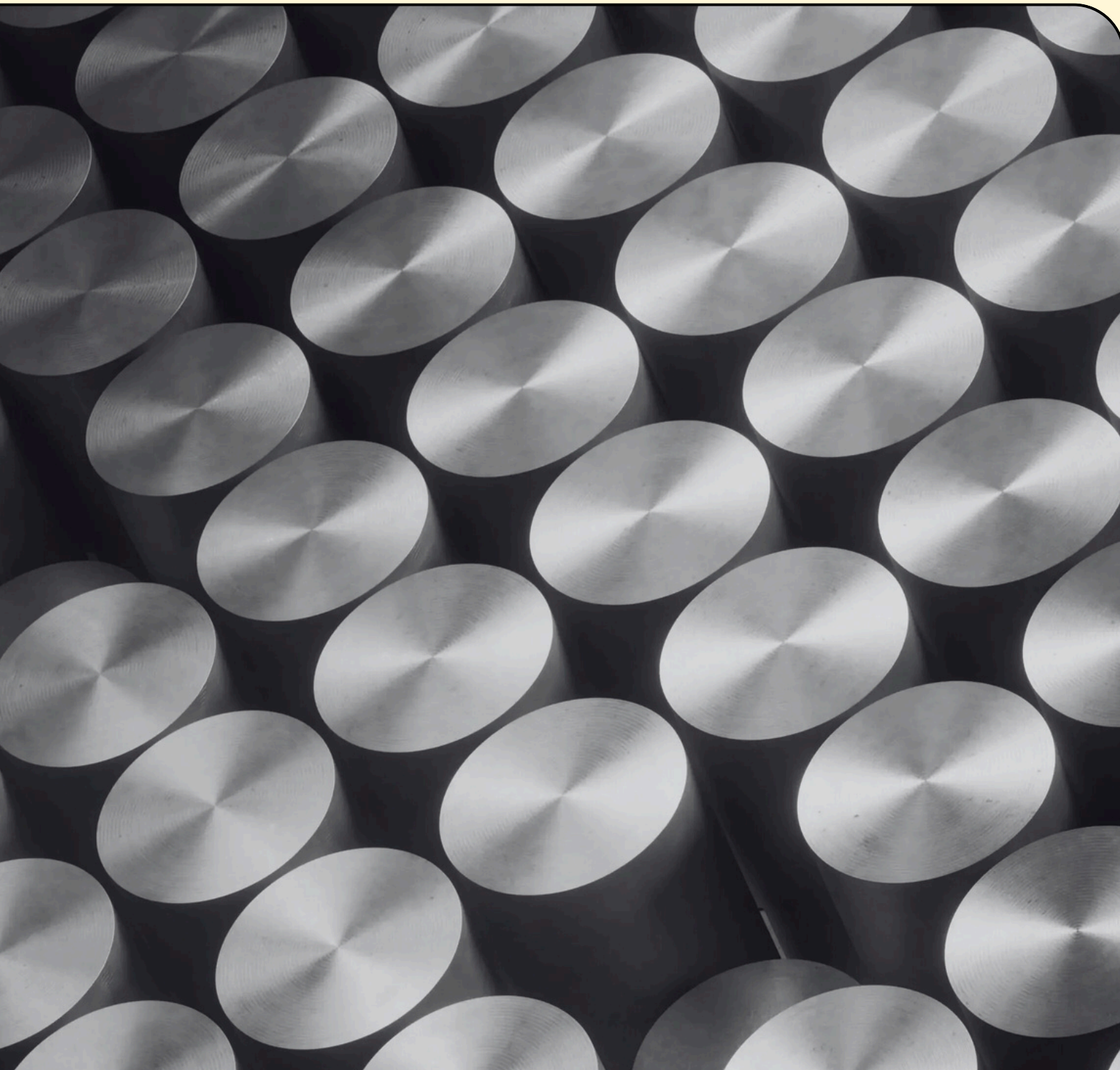
WNA Uranium Supply Demand (Upper Scenario)



- + Primary uranium mine supply is significantly trailing demand, with a cumulative forecasted supply shortfall of approximately **1.5 billion pounds by 2040**
- + The uranium market is currently facing an **annual ~50-60Mlb deficit and growing**
- + Demand for uranium is expected to rise **200% by 2040**
- + Creating a **~240Mlb annual deficit** that will continue to widen as growth is expected to triple by 2050



INVESTMENT OPPORTUNITY



+ Clear Mission:

- Evaluate and acquire overlooked uranium deposits that can be inexpensively upgraded to NI 43-101 compliant uranium resource
- Focus on uranium deposits ideal for in-situ recovery (ISR) for uranium extraction (capital efficient and most environmentally friendly process)

+ 1st Asset: Hot Property

- Strategic land position (5.75 square kilometres) in past producing Shirley Basin, Wyoming
- Proximity to past production (800m) and Ur-Energy's current resource, under construction (1.8 km)
- Initial drilling in 2024 defined two trends of thicker higher-grade mineralization – open ended north and south
- Follow up drilling fall 2025 building on geological model

+ Next Steps:

- Drilling fall 2025 at Hot Property
- Robust pipeline of additional projects being evaluated for acquisition

Starting from the ground up
Noble Plains' market cap ~\$4M
(55.4M shares, 23.5M warrants, 3.4M options)



CAPITAL STRUCTURE

Capital Structure as at 16th May 2025

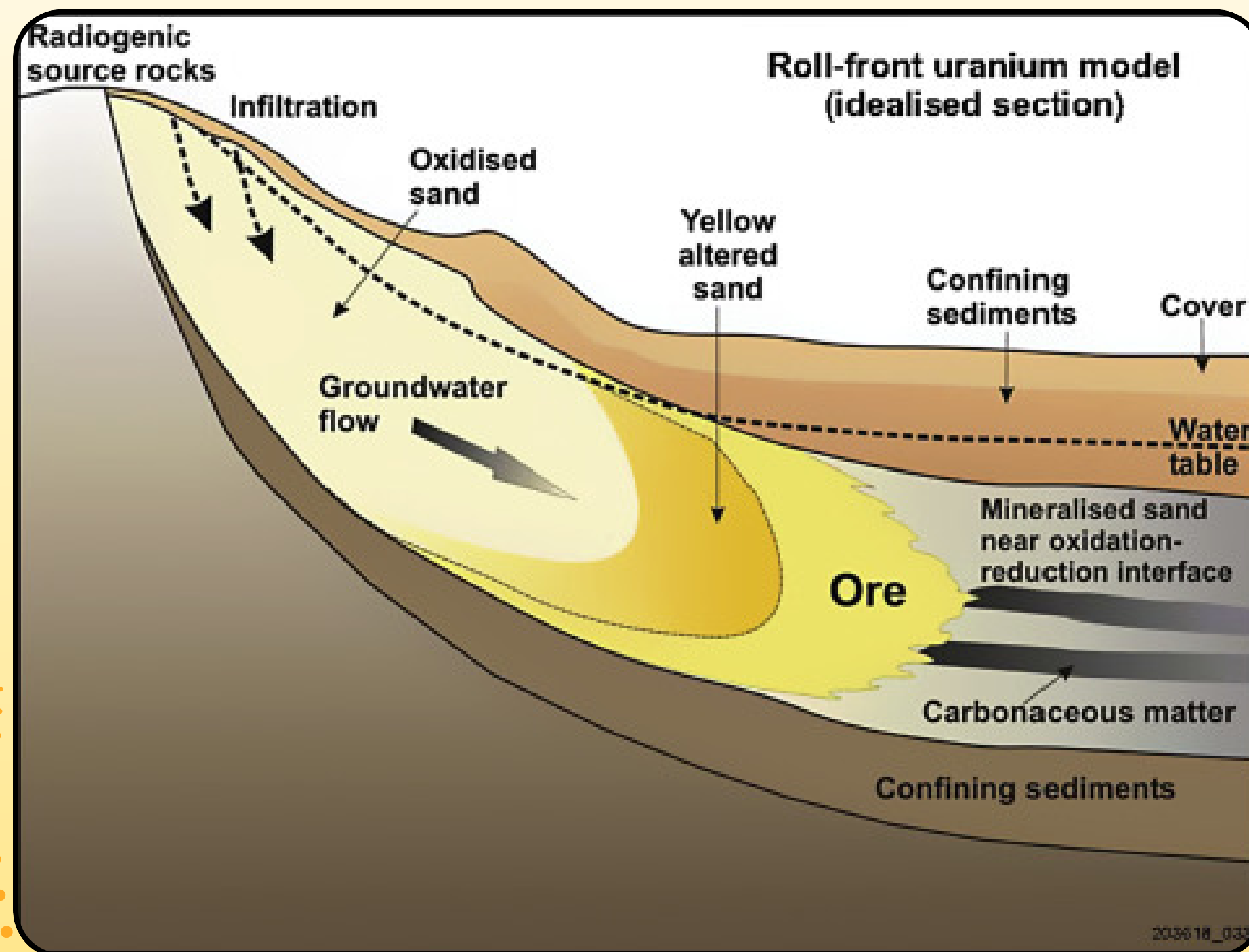
Security Type	# Outstanding	Notes
Common Shares	55,359,747	Basic shares issued and outstanding
Warrants	23,564,639	Strike price of \$0.10 expiring in 2027
Stock Options	3,430,000	Average strike price of \$0.096
Fully Diluted Total	82,354,386	Includes all warrants and options outstanding
Cash on Hand	\$1.0 million	As of May 2025; sufficient for near-term exploration
Fully Diluted Cash	\$4.0 million	Pro forma cash assuming all warrants and options are exercised

BENEFITS OF WYOMING FOR ISR URANIUM MINING

- +** Wyoming remains America's largest uranium producer and greatest uranium ore reserves averaging 0.065% U₃O₈
- +** Wyoming is an agreement state that provides a simple permitting process
- +** Friendly jurisdiction and public support
- +** Shallow mineralization
- +** ISR projects are small footprint/disturbance
- +** ISR projects are low Capex as compared to other mining methods

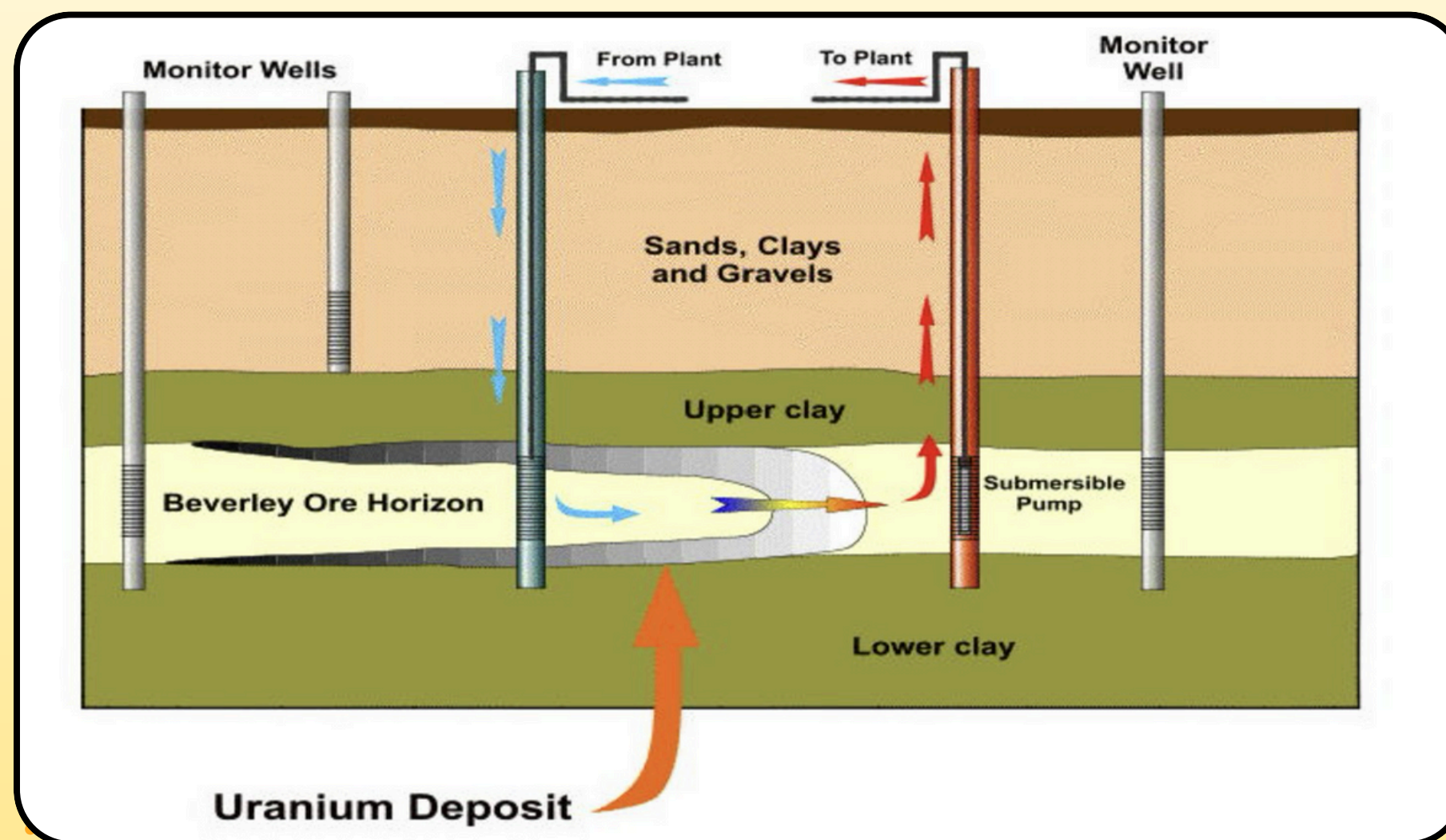


ROLL FRONT URANIUM DEPOSITS



- + Located in permeable sandstones which have an impermeable layer such as shale both above and below;
- + The sandstones are below the water table and may have a flat or roll front shape in cross section;
- + Formed through the lateral movement of groundwater bearing oxidised uranium minerals through the aquifer;
- + Precipitation of the minerals occurring when the oxygen content decreased, along oxidation-reduction (Redox Boundary);
- + Uranium minerals are usually uraninite (oxide) or coffinite (silicate) coatings on individual sand grains.

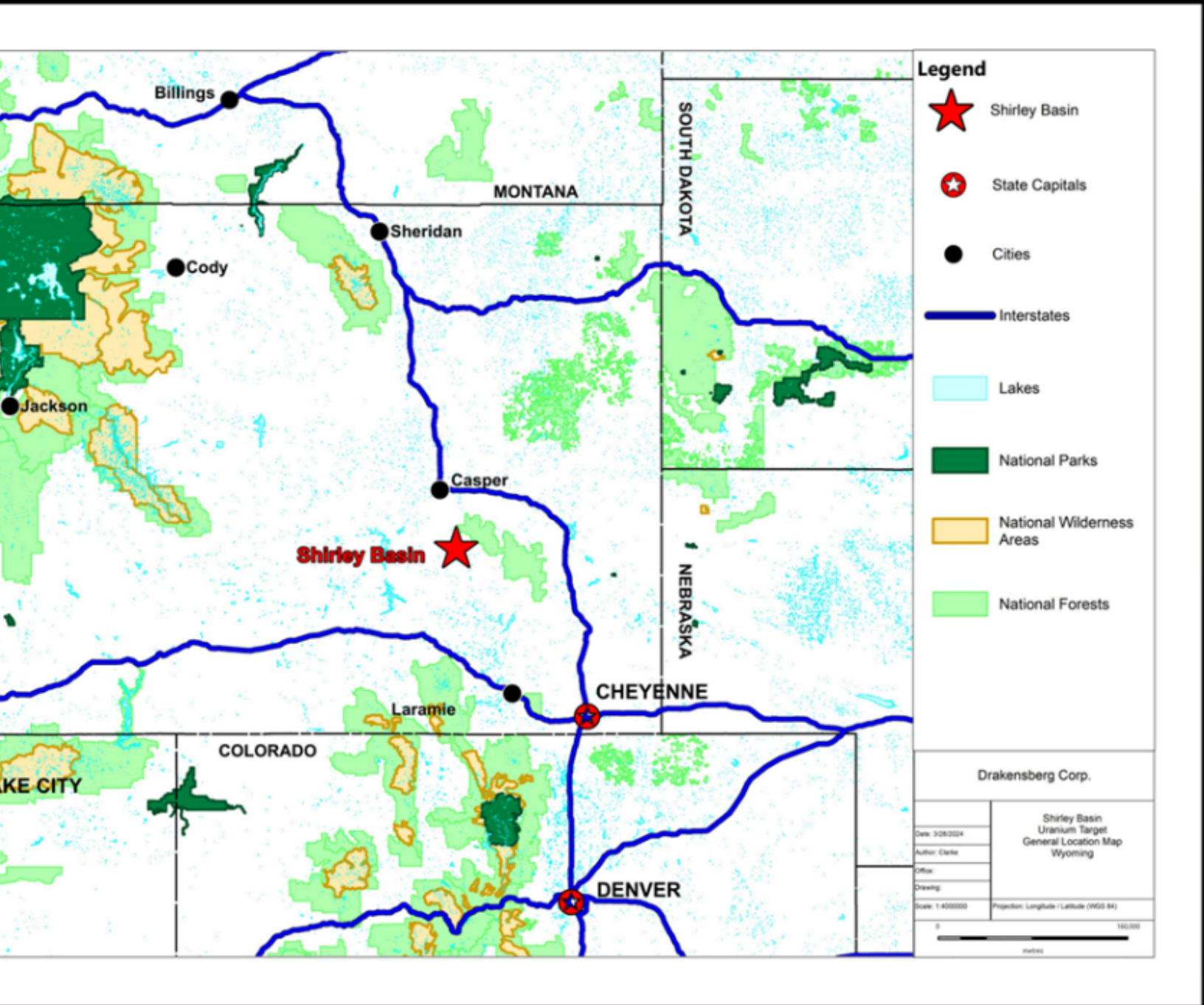
INSITU RECOVERY URANIUM PROCESS



Source: <https://world-nuclear.org/information-library/Nuclear-Fuel-Cycle/Mining-of-Uranium/In-Situ-Leach-Mining-of-Uranium>

- + Drill a series of injection wells and uptake wells
- + Pump a solution into the target formation (sandstone for example) that oxidizes the uranium to make it mobile
- + The uranium is dissolved in the solution
- + The pregnant solution (pumped solution + uranium) are then pumped to the surface
- + The uranium is removed from the pregnant solution at the surface

SHIRLEY BASIN, WYOMING, USA



1

One of Wyoming's five uranium basins (Powder River, Northern Black Hills, Gas Hills, Little Mountain and Shirley Basins).

2

Shirely Basin produced 51 million pounds of U3O8 from 1960 to 1992 at an average grade of 0.22% U3O8.

3

Underground mining began in 1959 but in 1964 converted to in-situ recovery (ISR).

4

Two reclaimed open pits lie 0.8 kilometres (0.5 mile) from the Noble Plains property.

5

Camp resurgence with new 8.8Mlb resource and current mine under construction (Ur-Energy).



HOT PROPERTY

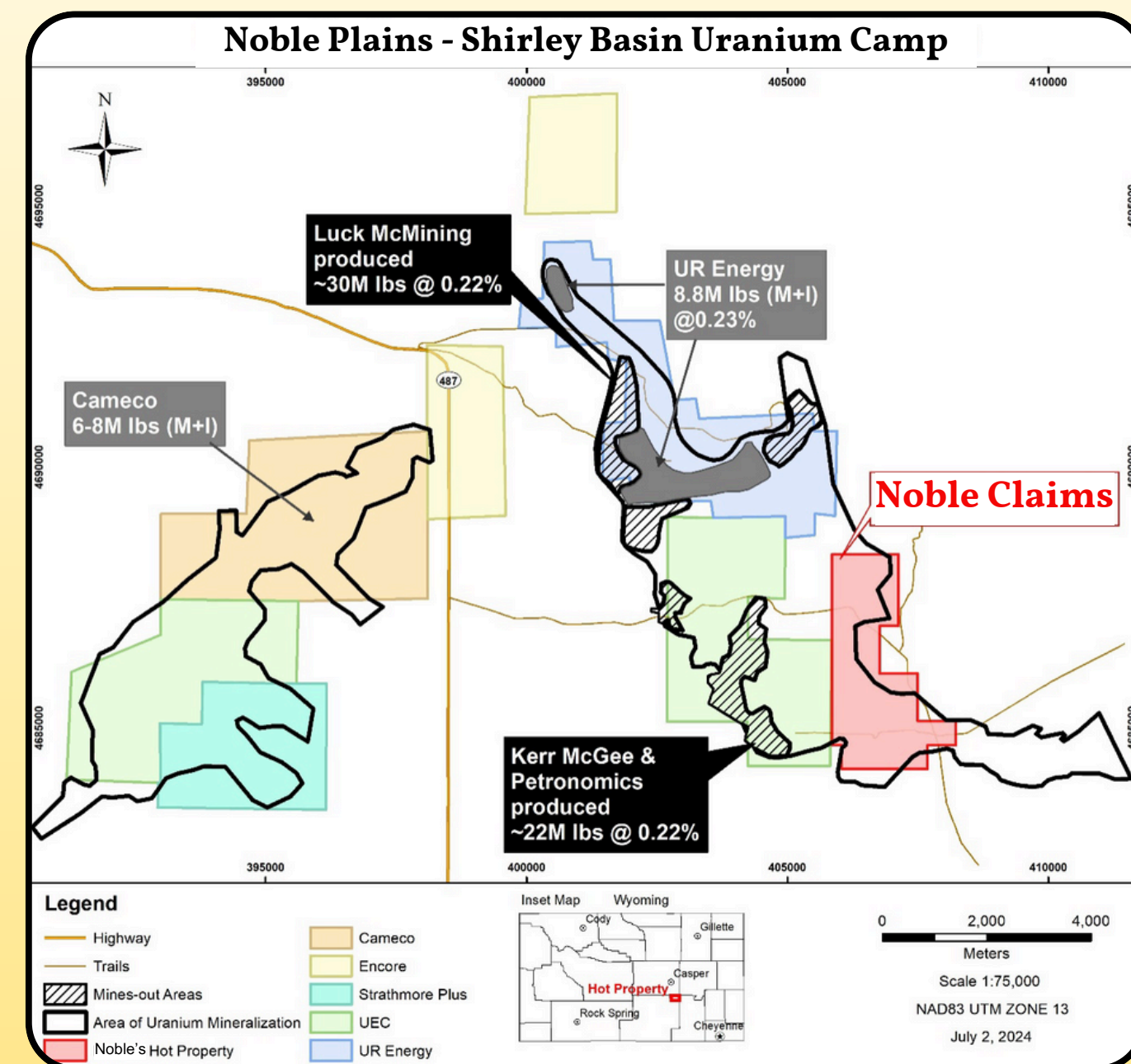
– SHIRLEY BASIN, WYOMING, USA

The Shirley Basin is covered by six players – Uranium Energy Corp., Ur-Energy, Cameco, enCore, Strathmore Plus and Noble Plains.



Hot Property

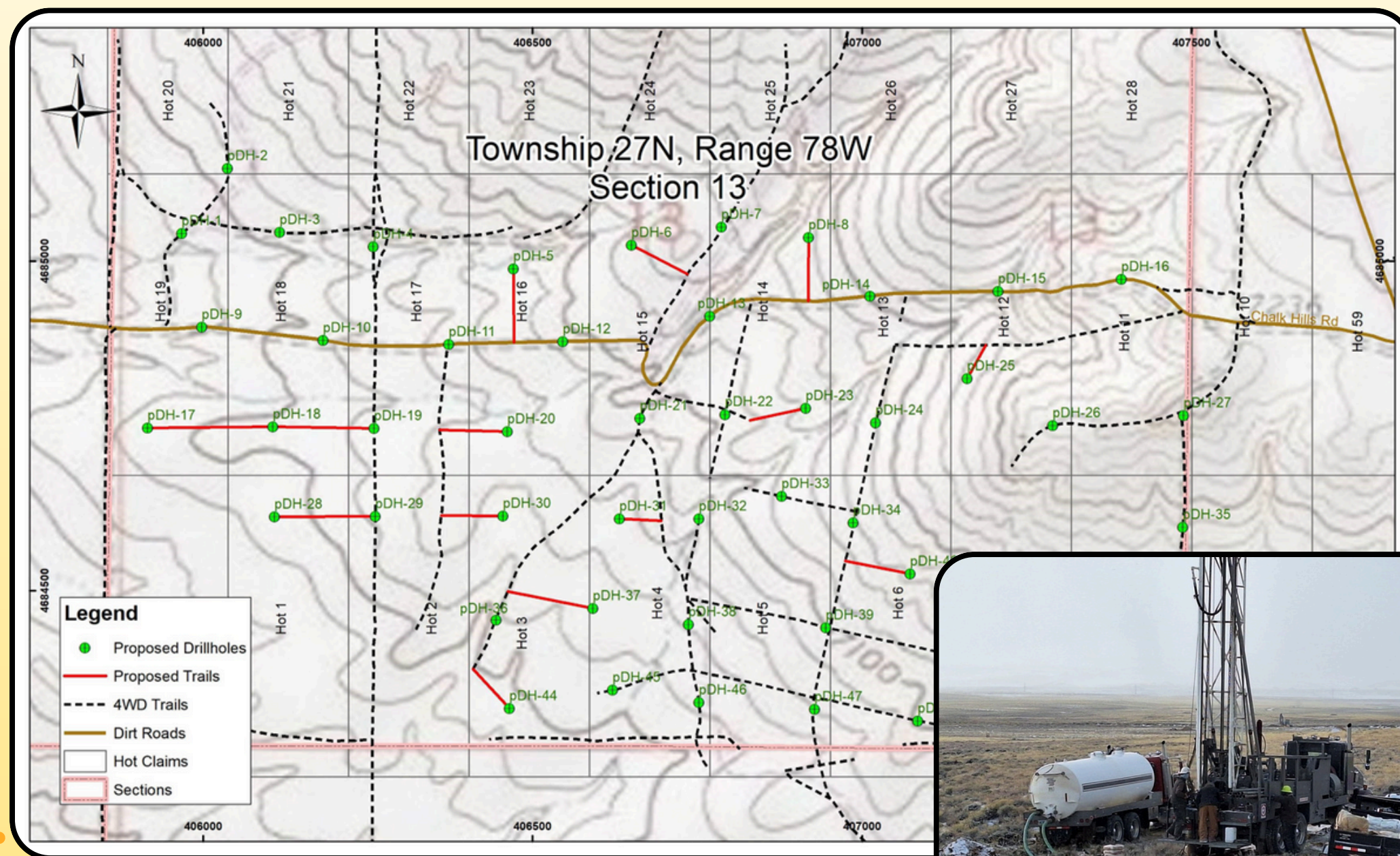
- 48 vertical holes completed with average depths of 53.3m (175 ft)
- Broad spaced drilling pattern covered 0.5 square mile
- 40 holes encountered 133 intercepts of uranium mineralization 0.91-7.92m (3-26 ft) thick grading over 0.01% eU3O8
- Drilling successfully identified 2 areas (open to the north and south) of thicker and higher-grade mineralization to focus infill and expansion drilling





SHIRLEY BASIN PROJECT

WINTER DRILLING CAMPAIGN COMPLETED



- + 48 vertical holes completed
- + Noble Plains' holes were spaced roughly every 160 metres (525 ft) apart and typically only 55m (180 ft) deep
- + Forty holes encountered 133 intercepts of uranium mineralization 0.91-7.92m (3-26 ft) thick grading **at or over 0.01% eU3O8**
- + Typically having 3-4 zones per hole

OUR MANAGEMENT TEAM



PAUL S. COWLEY, P. GEO.

CEO & DIRECTOR

- 45+ years of global exploration experience with leadership roles at BHP Minerals and numerous junior mining companies.
- Credited with multiple gold deposit discoveries, including 8Moz of gold in Canada's Arctic and significant resource expansions at Carlin Vanadium, J&L, and Wolverine.



BRADLEY PARKES, FCSI, P.GEO.

VP EXPLORATION AND DIRECTOR

- Experienced geologist and capital markets professional, with a background in petroleum geology, energy law, and over \$100M raised for early-stage resource companies.



DREW ZIMMERMAN, CFA

PRESIDENT

- 14+ years of experience in public and commodity markets.
- Former investment advisor turned portfolio manager.
- CFA charterholder with a B.Com in International Business from the University of Victoria.



REBECCA MORIARTY

CFO & CORP SECRETARY

- Chartered Accountant since 2002, with over two decades of experience in the resource sector.
- 11 years with PwC, specializing exclusively in auditing and advising resource companies.



DIRECTORS & ADVISORS

D.T. BRIAN DOHERTY

Director

Veteran petroleum geologist with 40+ years of experience, leading exploration and operations across Western Canada with a proven track record of growth and multi-disciplinary expertise.

DR. DAVID DREISINGER

Metallurgical Advisor

Professor and Hydrometallurgy Chair at UBC, co-inventor on 24 U.S. patents and author of 300+ technical papers on metals extraction, separation, and recovery.

LORNE WARNER, P.GEO.

Director

Professional geologist with 30+ years of global exploration success, credited with discoveries including the Falea uranium deposit in Mali—acquired by Denison Mines in 2013 through Rockgate Capital.

DR. GARY KORDOSKY

Metallurgical Advisor

World-renowned solvent extraction expert with 21 U.S. patents, 40+ published papers, and global SX plant start-up experience across five continents.

MARINO J. SVEINSON

Director

Partner at Pulver Crawford Munroe LLP, advising employers—particularly in the mining, energy, and oil & gas sectors—on labour, employment, and workplace legal matters.

KIM W. MEASOR

Business Consultant

Founder and executive with deep experience in mining and energy project finance, M&A, and early-stage development, including roles in Lumina Gold, Dia-Met Minerals, and major gas discoveries on Vancouver Island.



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