



 **fermi uranium corp.**

**BUILDING TOWARD A SECURE AND  
SUSTAINABLE ENERGY FUTURE**

March 2024

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# CORPORATE TEAM

JB

## **JAMES BAUGHMAN**

### **CEO & President**

Former CEO of High Plains Uranium & former CEO of Cyclone Uranium.

Specialist in uranium exploration & development. Familiar with most uranium deposit types and locations in the Western United States.

QP (SME-RM).

JR

## **JOHN RYAN**

### **Executive Vice President**

Co-founder and/or principal of numerous start-up exploration and mining companies including Western Goldfields, U.S. Silver, High Plains Uranium, Bunker Hill Mining, Key Mining, Gold Express Mines, and others. Holds degrees in mining engineering and law.

HT

## **HELENTHOMAS**

### **Vice-President**

Nine years of diverse experience in base metal mineral exploration, permitting for exploration and mining companies, and environmental, social, and governance (ESG) due diligence.

**Fermi Uranium Corp. is an exploration company searching for Uranium and Rare Earth Elements**



## URANIUM

- Wyoming - The New Fork Project
- Idaho - The Ellis Project
- Colorado Uravan Belt - The Pitchfork Project and Burro, Jo Dandy, and Long Park Trends
- Utah Uravan Belt – La Sal and Buck Trends



## RARE EARTH ELEMENTS

Multiple Properties in Colorado

**The Company intends to build shareholder value through discovery of new sources of uranium and other critical metals**

- Under-explored uranium roll-front basins.
- Projections of existing, well-known, uranium ore trends in the prolific Uravan Belt.
- Discovery of new deposits of rare earth elements.

# WHY INVEST IN URANIUM?



## Growing Nuclear Demand

54 reactors are under construction worldwide and coming online within 6 years.



## Major Supply Disruption

The invasion of Ukraine by Russia has bifurcated the uranium market. This has led to a large jump in uranium demand from non-Russian sources.



## Investing Potential

**10%**

of Global electricity generation<sup>1</sup>

**20%**

of United States electricity generation<sup>1</sup>

**2<sup>nd</sup>**

largest source of global clean energy with almost Zero Carbon emissions<sup>1</sup>

**443**

reactors in operation across 33 countries<sup>2</sup>

**54**

reactors under construction in 19 countries<sup>2</sup>

<sup>1</sup> IEA

<sup>2</sup> World Nuclear Association "World Nuclear Power Reactors & Uranium Requirement" March 2021 to July 2021.

# JUST HOW MUCH BETTER IS NUCLEAR ENERGY?

Nuclear energy has high energy density. The amount of energy contained in a pellet of uranium fuel the size of a gummy bear is equivalent to 149 gallons of oil and 2,000 pounds of coal, and it could power a home for two and a half months.



**1**  
URANIUM  
PELLET



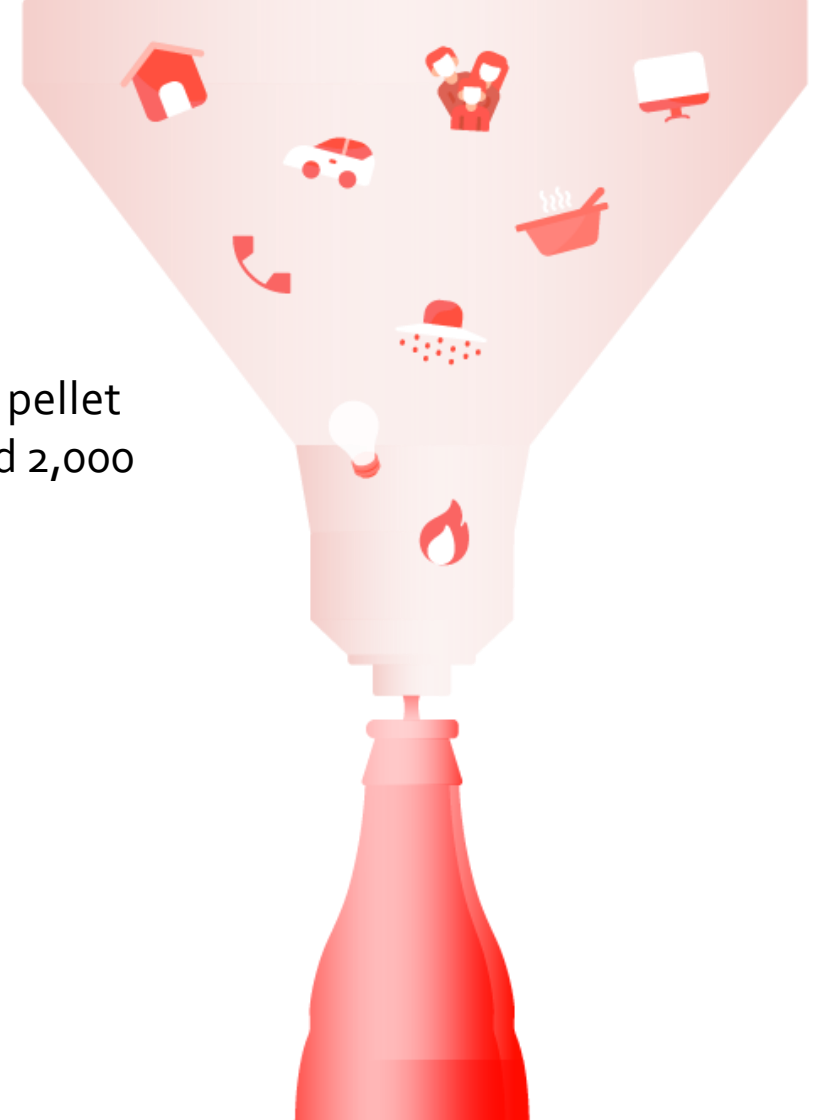
**1**  
TON OF COAL



**3**  
BARRELS  
OF OIL



**17,000 ft<sup>3</sup>**  
OF NATURAL  
GAS



## REDUCED WASTE

If your entire annual energy consumption was generated by nuclear power, the amount of waste it created would fit inside a Coke® bottle.

# NUCLEAR POWER IS MAKING MAJOR ADVANCES



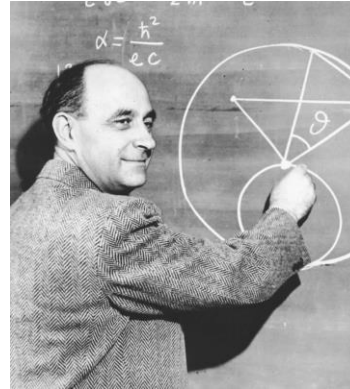
Nuclear Power will become a preferred choice for carbon emissions reductions.



New reactor designs and the advent of modular reactors have the potential to create nuclear power renaissance.



Modular designs with single-use reactors, coupled with a phased retirement of aged nuclear power plants should successfully address safety concerns and waste disposal issues.



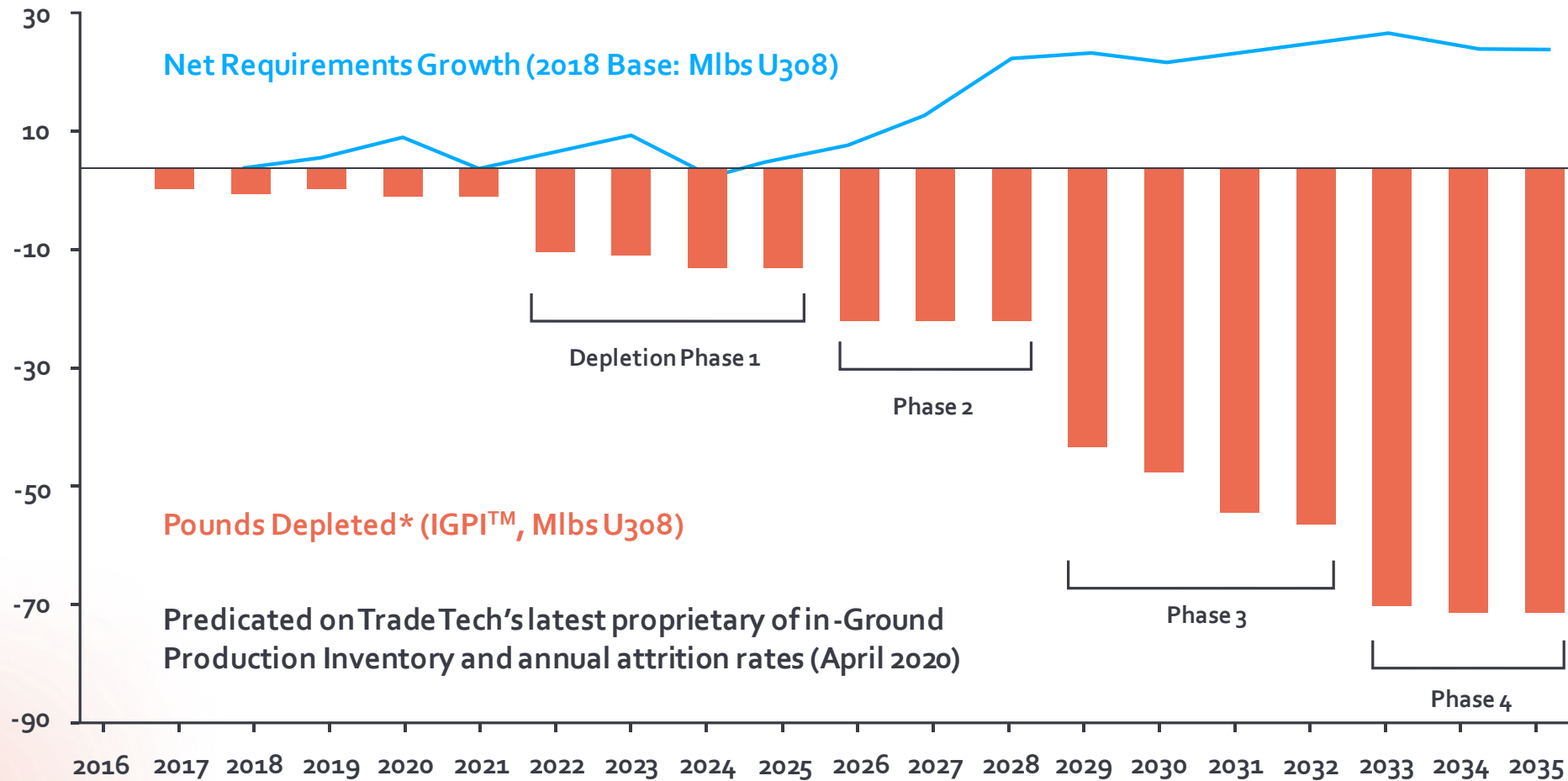
*The Company is named in honor of the Nobel-Prize-winning physicist Enrico Fermi, who is credited with the invention of the first nuclear reactor (the "Chicago Pile").*

*Fermi was a key scientist in the development of the atomic fission bomb as well as later fusion bombs. Fermi had great hope in the use of atomic power for peaceful uses.*

*In his later life, he said "What is less certain, and what we all fervently hope, is that man will soon grow sufficiently adult to make good use of the powers that he acquires over nature."*

# THE WORLD NEEDS NEW URANIUM MINES

Depletion of In-Ground Production Inventory (IGPI™)





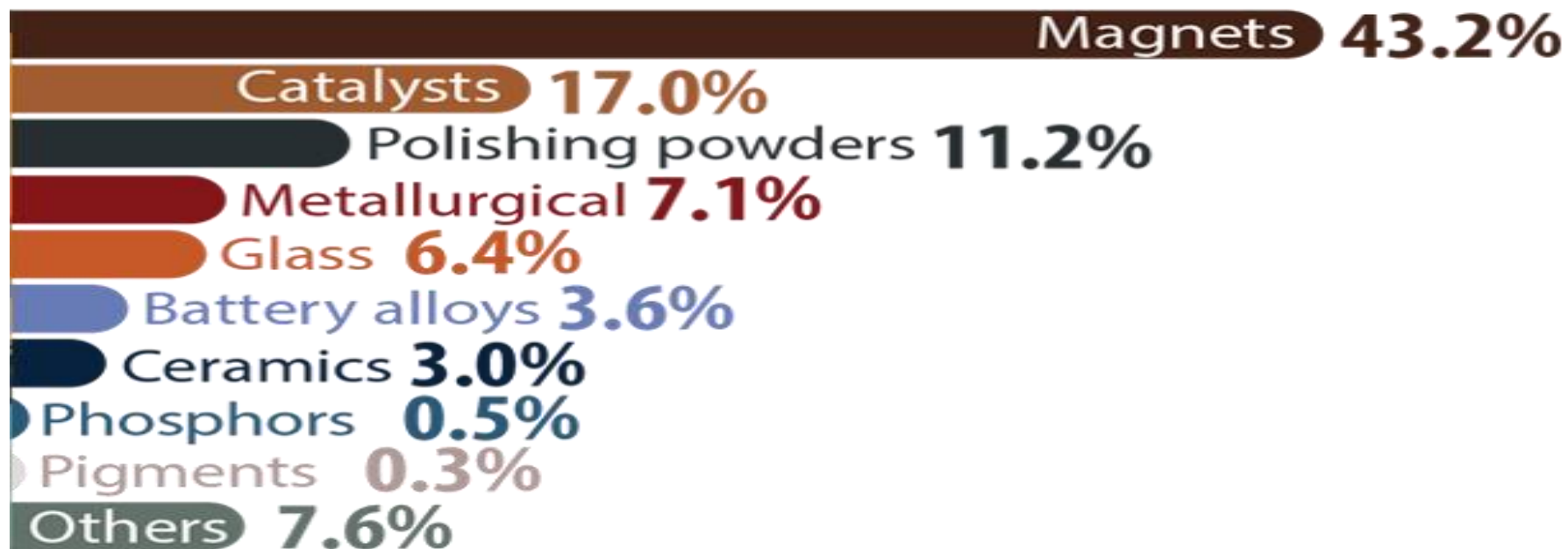
# WHY INVEST IN RARE EARTH ELEMENTS?

## Growing Rare Earth Element Demand

Global consumption of rare earth elements reached 164,000 tonnes of Total Rare Earth Oxides (TREO) in 2022 and is forecast to increase to 231,000 tonnes by 2032.<sup>1</sup>

## Critical Uses

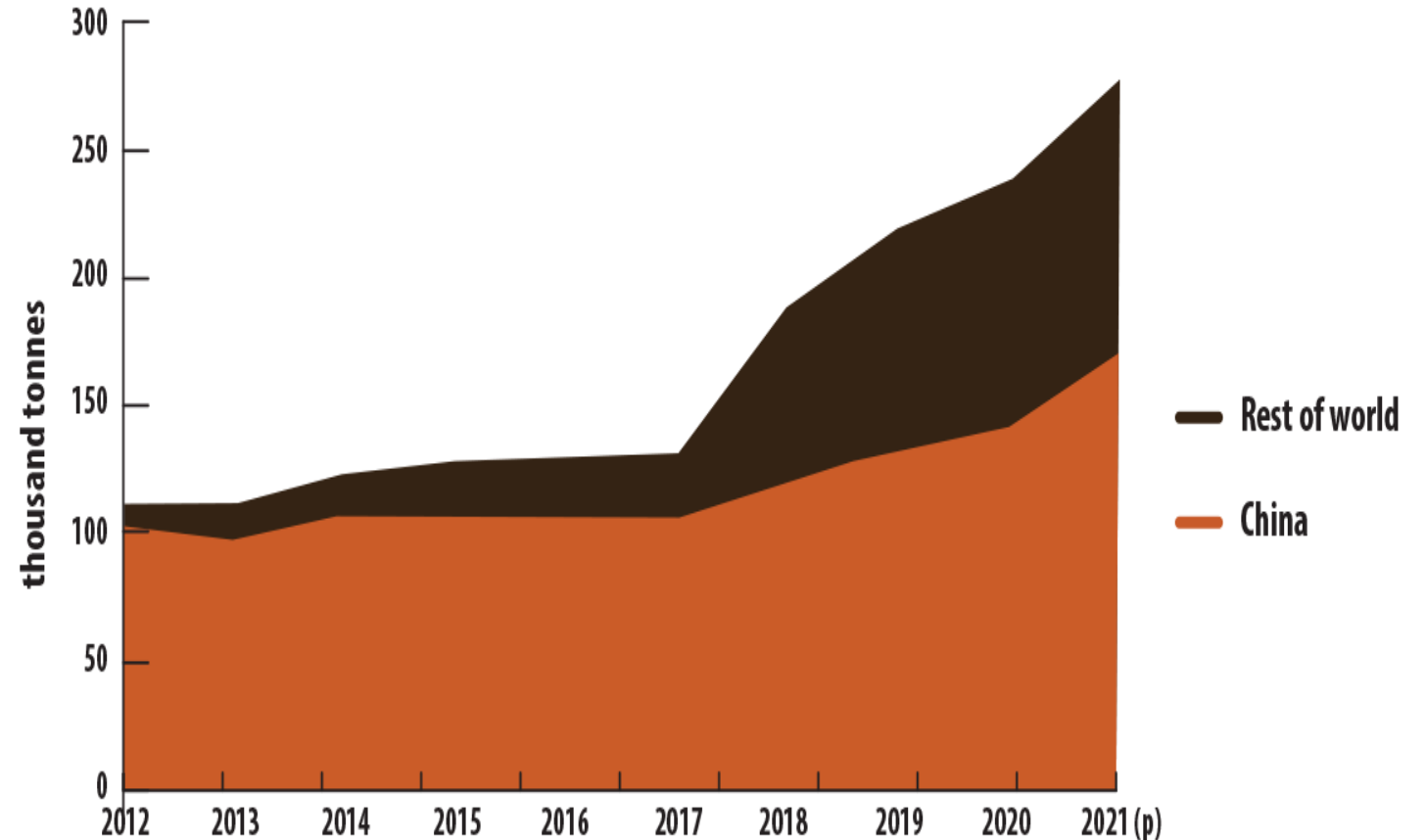
Rare earth elements are used in a variety of industrial applications, including electronics, clean energy, automotive, aerospace, and defense. Manufacturing permanent magnets is the single largest and most important end use for REE's, accounting for 43.2% of demand in 2021.<sup>1</sup>



(1) [www.natural-resources.canada.ca/our-natural-resources/minerals-mining/minerals-metals-facts/rare-earth-elements-facts/20522](http://www.natural-resources.canada.ca/our-natural-resources/minerals-mining/minerals-metals-facts/rare-earth-elements-facts/20522)

## Possible Supply Disruptions of Rare Earth Metals Could Result From Changing Demand/Supply Conditions

**Western countries are vulnerable to supply shortages. China has been leading the world's rare earth industry since the 2000's. Based on various estimates, China is responsible for 55 percent to 70 percent of rare earth mining and up to 90 percent of processing. (1)**



(1) [www.china-briefing.com/news/china-merges-three-rare-earths-state-owned-entities-to-increase-pricing-power-and-efficiency](http://www.china-briefing.com/news/china-merges-three-rare-earths-state-owned-entities-to-increase-pricing-power-and-efficiency)



## Fermi is Positioned to Meet the Growing Demand for Critical Metals

ROLL-FRONT URANIUM TARGETS IN WYOMING AND IDAHO

CONVENTIONAL UNDERGROUND URANIUM & VANADIUM MINE PROJECTS IN COLORADO & UTAH

RARE EARTH ELEMENT PROJECTS IN THE WET MOUNTAINS AND POWDERHORN MOUNTAINS IN SW COLORADO



# WYOMING & IDAHO: THE EXPLORATION PATH TO GROWTH

The Wyoming and Idaho properties are targeted to become in-situ recovery projects

## POTENTIAL EXPLORATION AREAS

Information and projects are developed from historic data and reports, industry contacts, and from other uranium companies seeking to advance dormant assets.

## UNDER-EXPLORED ROLL-FRONT DEPOSITS

Many “roll-front” uranium districts in the USA have received very little drilling, despite the potential for discovering large resources of uranium.

## LOW DISCOVERY COSTS

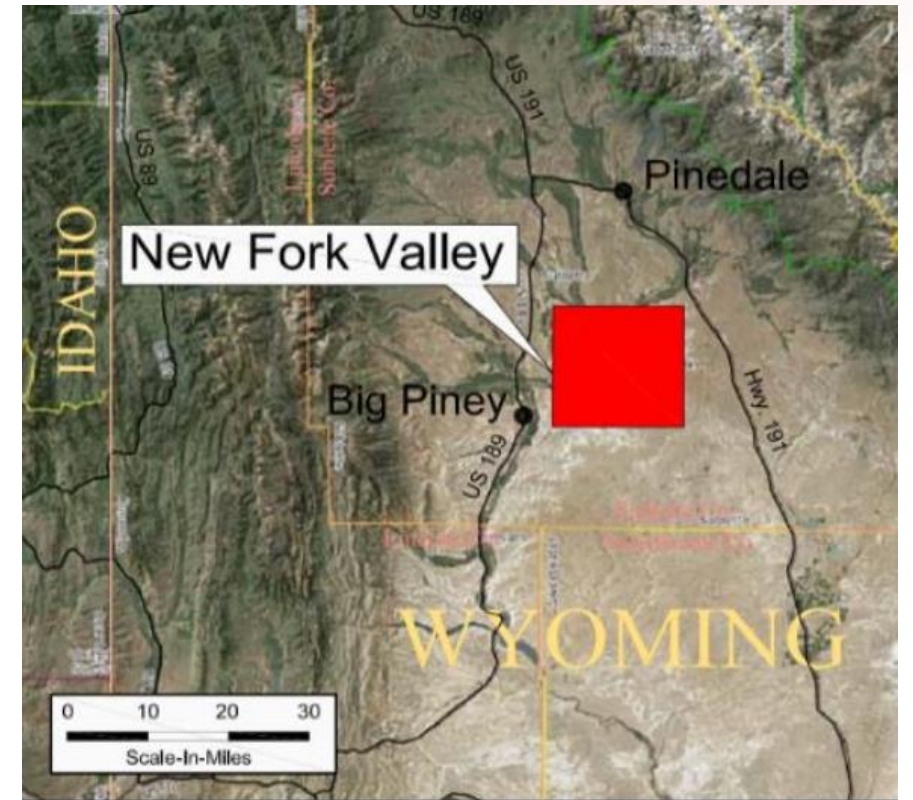
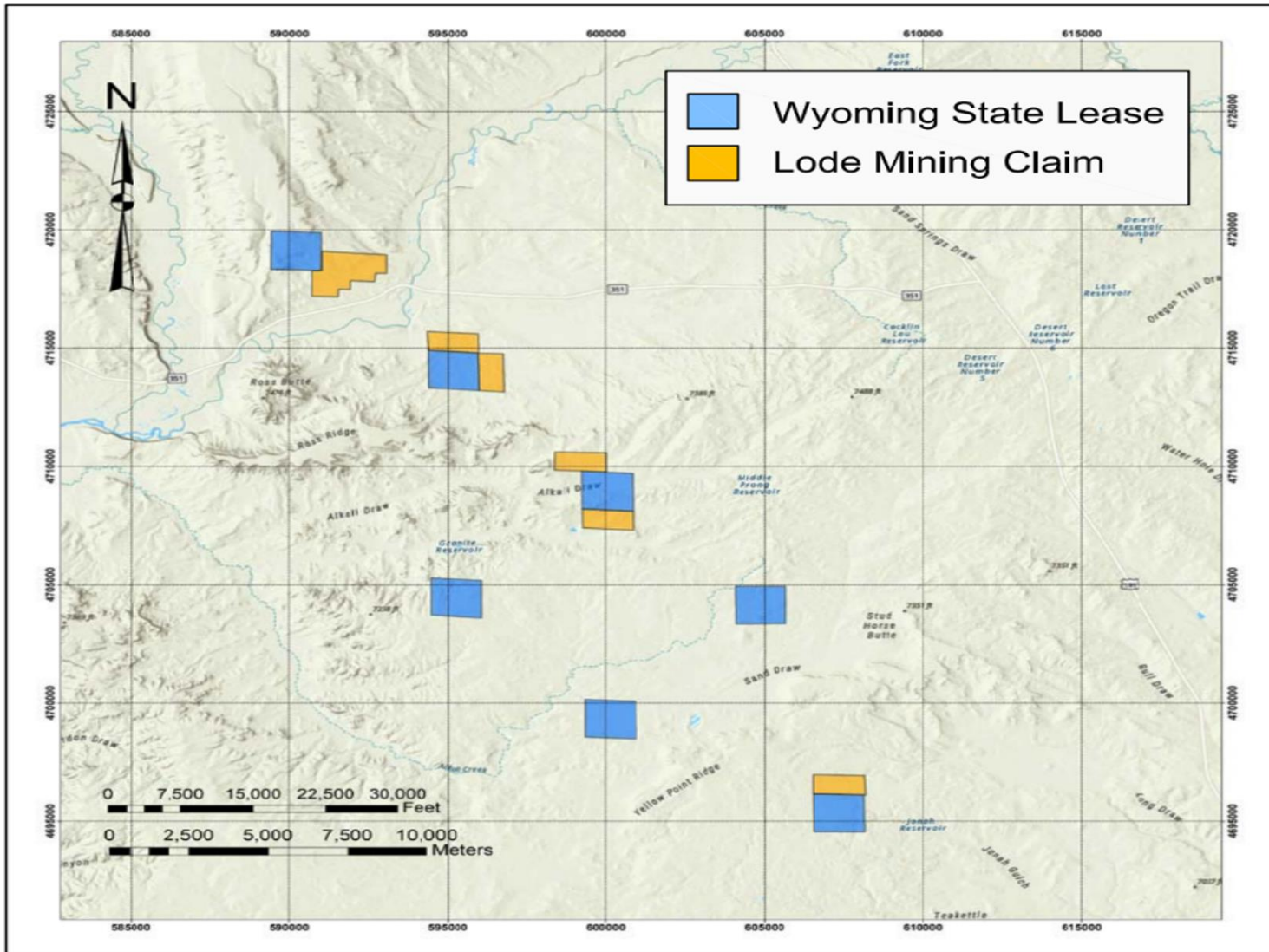
Uranium exploration is generally less expensive than exploring for other metals. Use of rotary drilling and down-the-hole probes lowers costs and reduces wait times on assays.

# WYOMING: NEW FORK PROJECT

- Fermi has ninety-eight unpatented claims and seven state mineral leases on roll-front uranium targets located in Wyoming.
- The current land package totals 6,440 acres.
- The target area is an under-explored tertiary basin in Wyoming with a high potential for hosting uranium resources.
- The area was drilled with wide-spaced, exploratory drillhole patterns in the 1970's.
- If economic uranium mineralization is discovered, these projects would be amenable for uranium recovery via low impact, in-situ recovery methods.
- The State of Wyoming is familiar with and has approved a number of in-situ recovery facilities across the state in recent years.

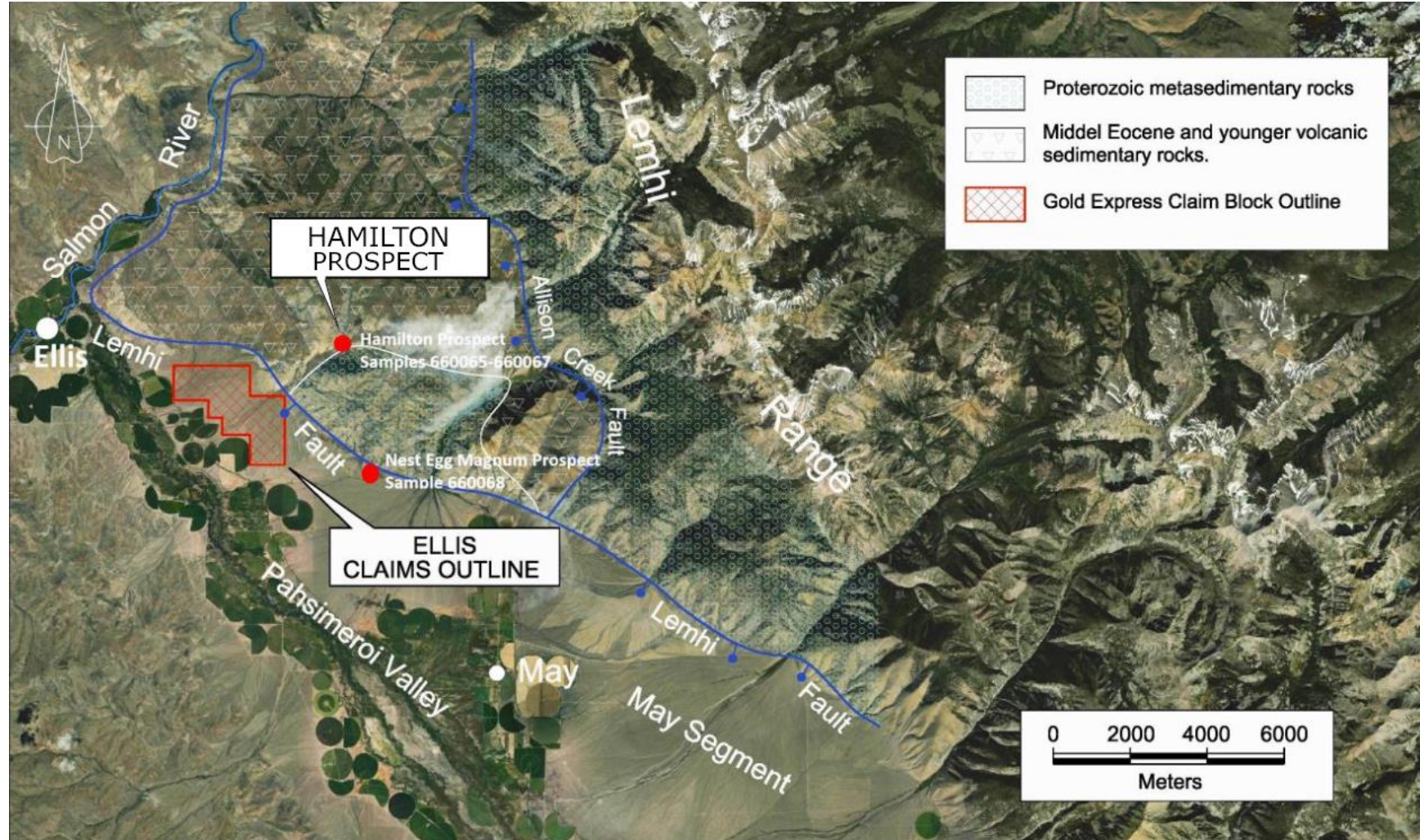
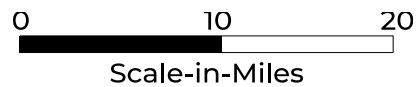
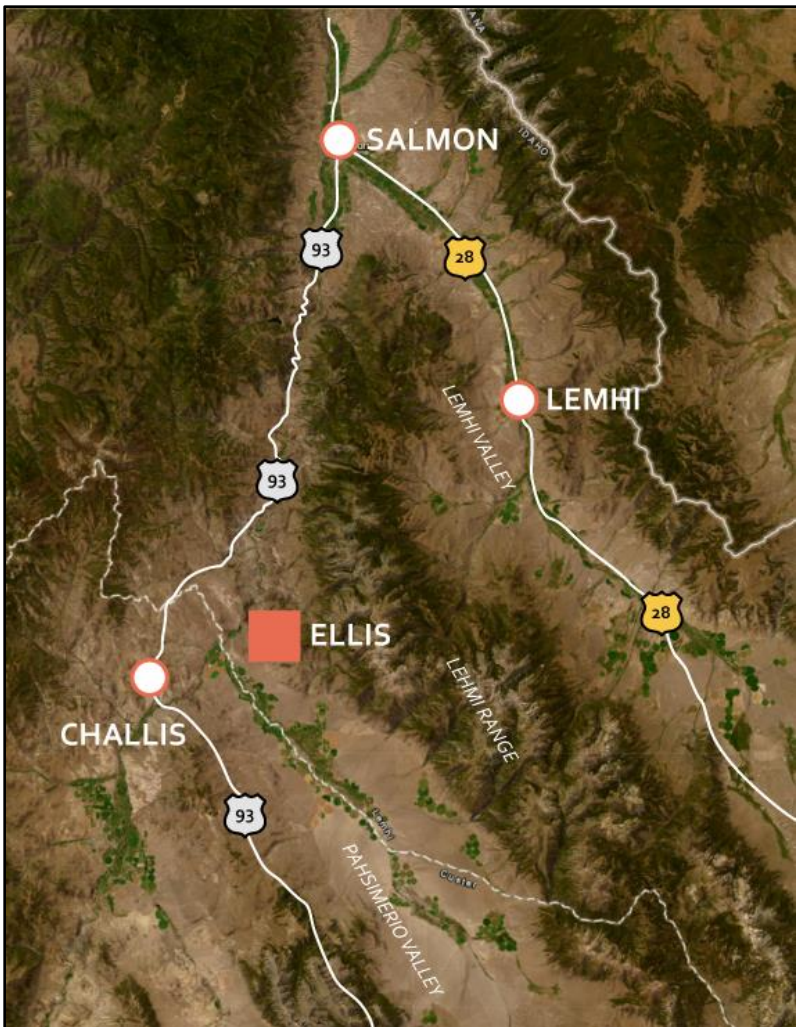


# NEW FORK LAND POSITION



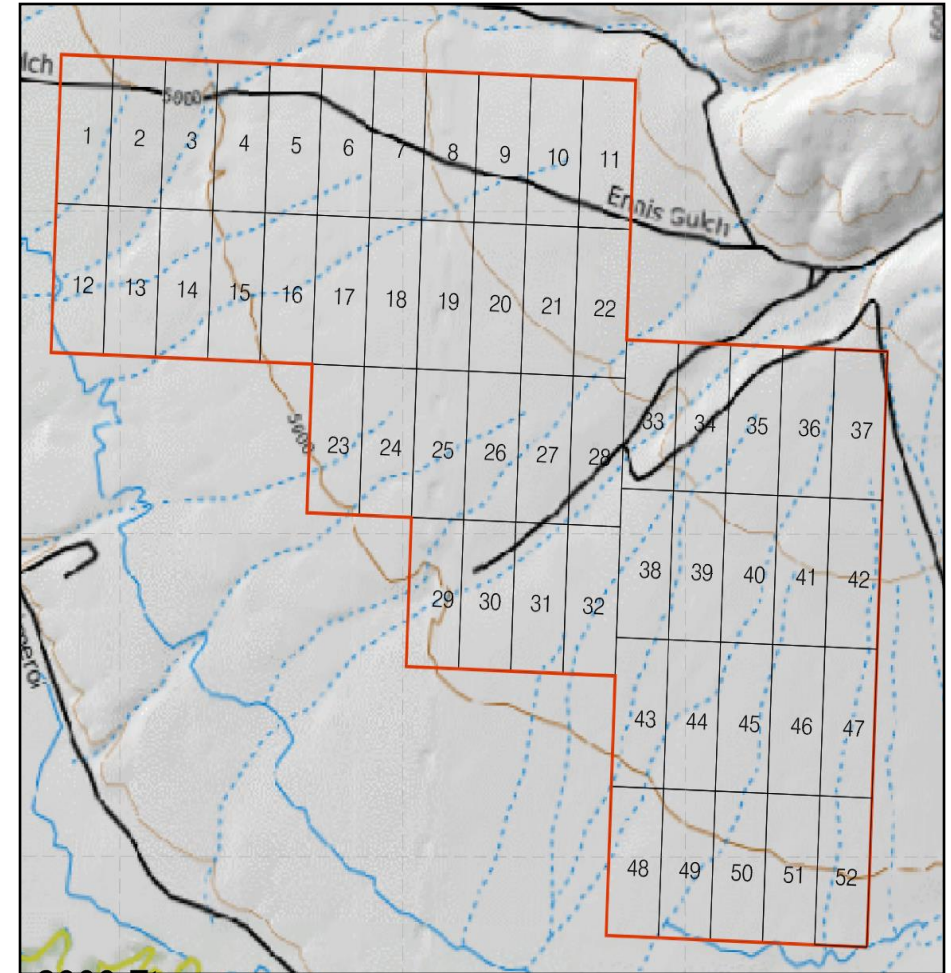
**New Fork Project**  
Location Map  
Sublette County, Wyoming

# IDAHO: ELLIS PROPERTY LOCATION AND LAND POSITION



# ELLIS URANIUM PROJECT DESCRIPTION

- Fermi has fifty-two unpatented mining claims totaling 1,074 acres in a uranium-bearing tertiary basin.
- Uranium occurs as basal-type occurrences in channel-filling deposits of carbonaceous arkose and mudstone.
- The target area is 100% Bureau of Land Management supervised ground.
- Regional historic drilling indicated the presence of uranium roll-front occurrences.
- The geology of the area is conducive to roll-front uranium deposits. Extraction via in-situ recovery methods would be cost effective.





The Uravan Belt in Colorado and Utah has historically produced uranium and vanadium ore, which has been mined using conventional underground mining methods.

## CAPITALIZING ON KNOWN URANIUM ORE CHANNELS

The major ore channels in the Uravan have been identified. Explored but unmined segments of these channels remain, and lateral extensions represent opportunities for future exploration.

## PARTNERING WITH ESTABLISHED OPERATORS

A number of established operators and producers own developed properties in the Uravan Belt. This suggests opportunities for joint ventures or buyouts.

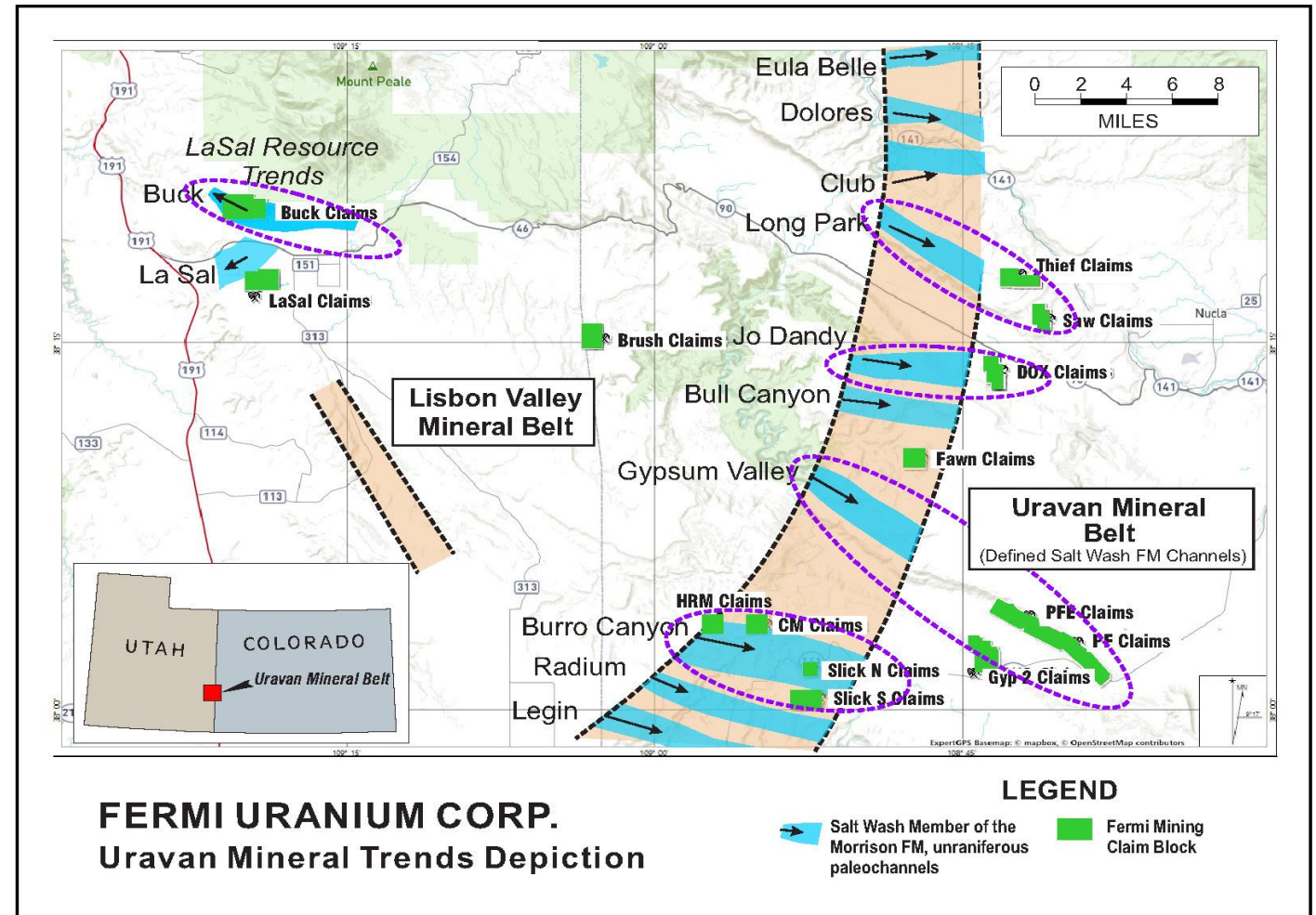
## LEVERAGING NEARBY MILLING FACILITIES

Potential milling facilities exist that could process Uravan-produced ore, thus shortening the timeline to production.

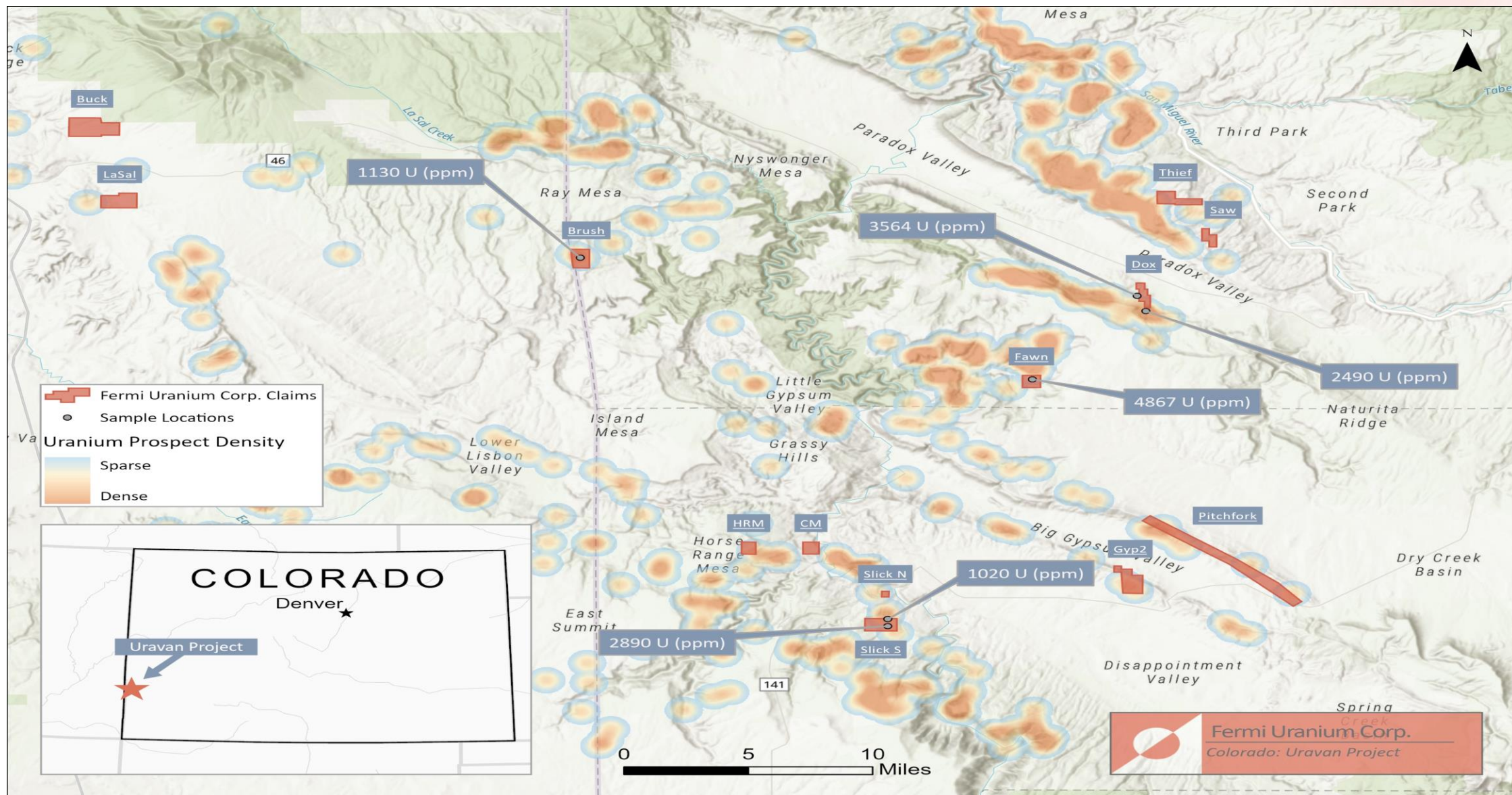
# FERMI MINERAL CLAIMS IN THE URAVAN ARE STRATEGICALLY LOCATED

Our claim areas are aligned with past-producing ore channels

- The historic Uravan area of Colorado and Utah has provided uranium and vanadium for the United States for many decades.
- Uravan ore deposits typically contain 4 pounds of uranium and 26 pounds of vanadium per ton.
- Fermi has located and staked unpatented mining claims in and around historic mines, as well as on extensions of known ore channels.
- Fermi has acquired a mineral lease on the Pitchfork Mine, a past producing mine in the Uravan Belt.
- Future Uravan acquisitions or deals represent further growth opportunities.



# URAVAN MINERAL CLAIMS - RECENT SAMPLING HIGHLIGHTS



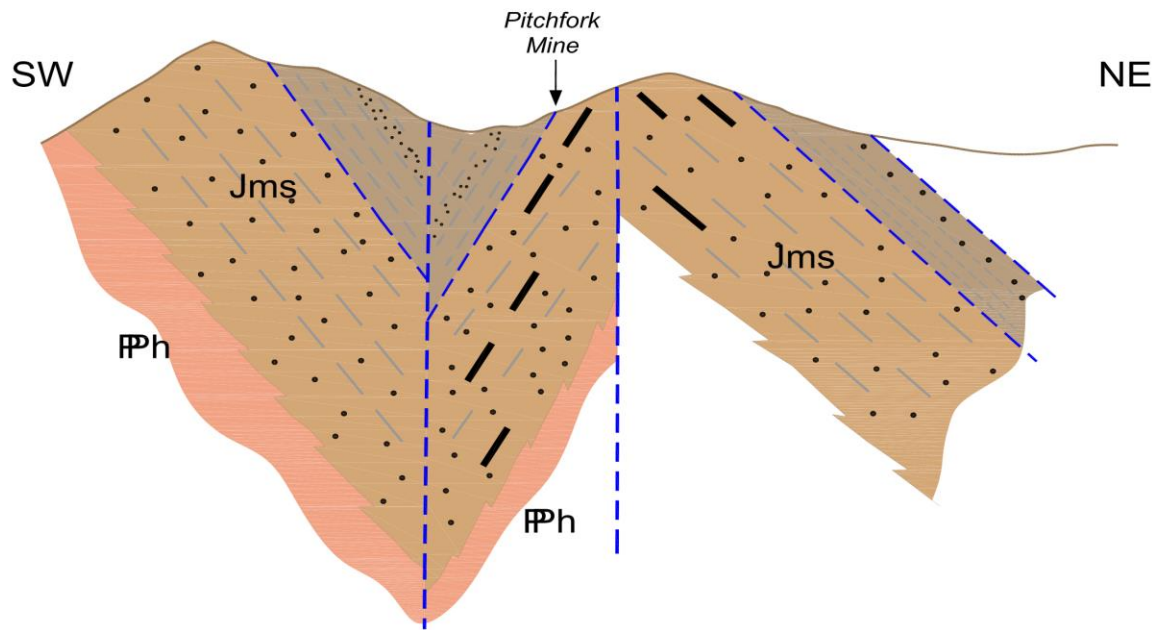


# HIGHLIGHTS OF THE URAVAN PITCHFORK PROJECT

- Located in the Uravan Belt on the NW Flank of the Big Gypsum Valley in San Miguel County, Colorado.
- Previous mining in the 1970's was about 20,000 tons.
- Based on past drilling there exists a resource of 70,000 tons containing 248,750 pounds of uranium and 1,343,250 pounds of vanadium.
- The Company intends to verify this existing resource and expand upon it.

# A UNIQUE CHARACTERISTIC OF THE PITCHFORK MINE REPRESENTS A SIGNIFICANT MINING OPPORTUNITY

## CROSS SECTION – PITCHFORK MINE

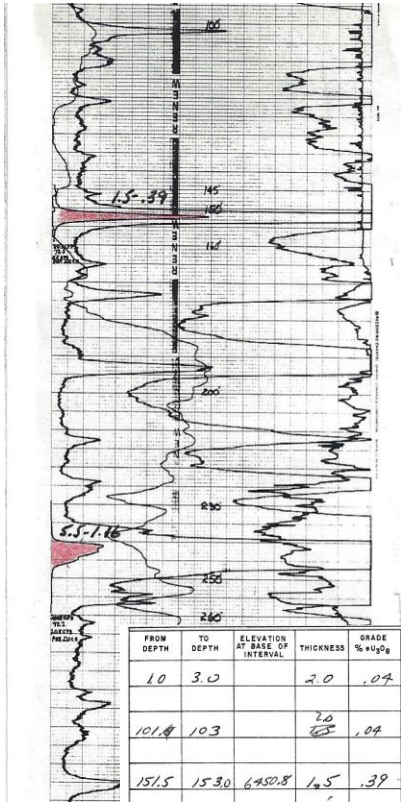


Pitchfork Mine Area Generalized Cross Section

## CROSS SECTION – PITCHFORK MINE

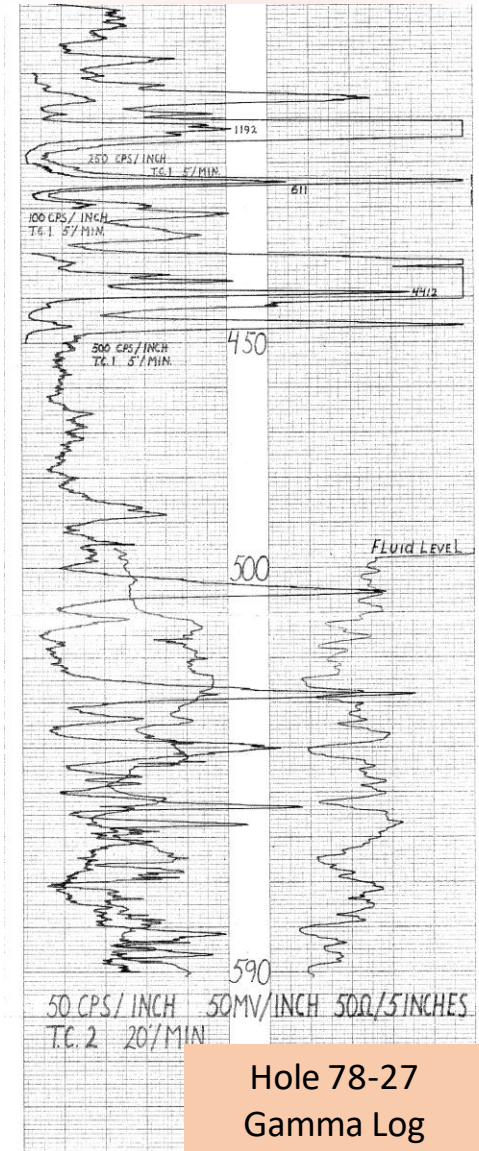
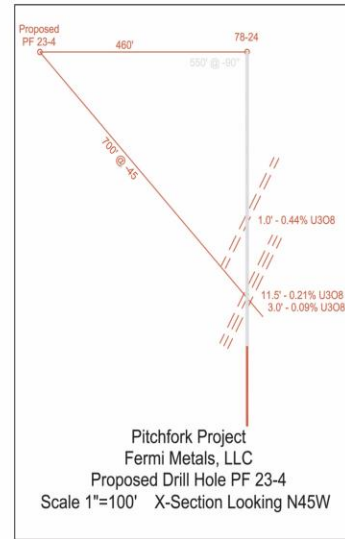
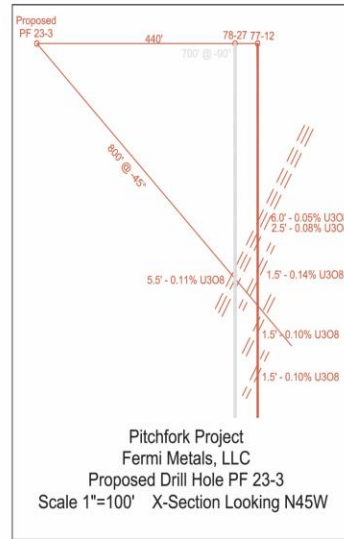
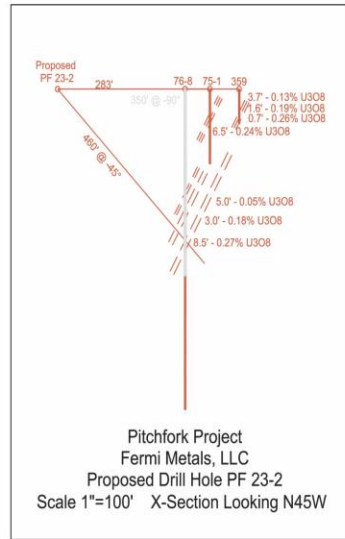
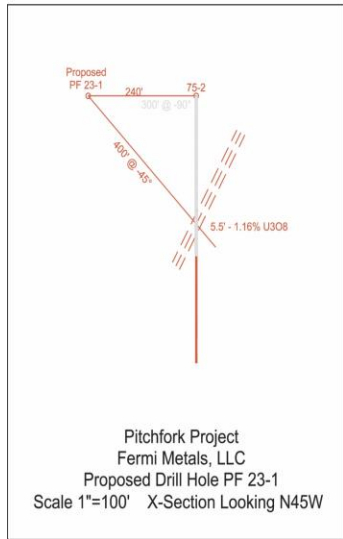
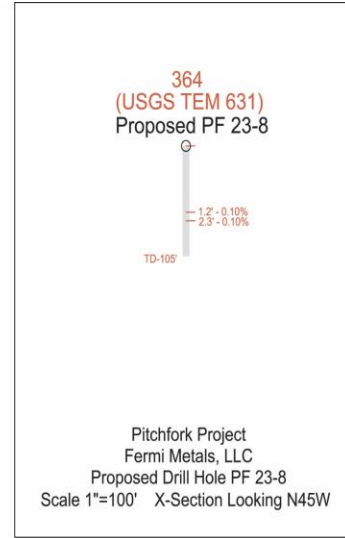
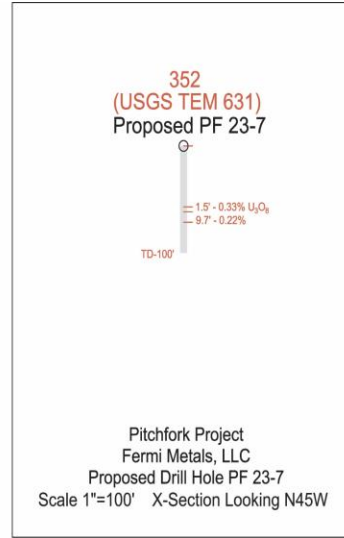
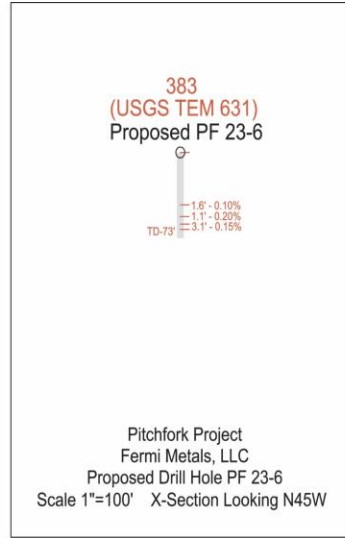
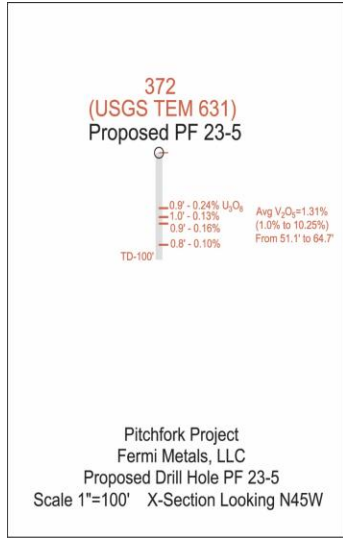
- The Pitchfork Mine is a past producer and has existing development tunnels and shafts.
- Once existing historic resources are confirmed, the Pitchfork Mine could begin permitting for production.
- Uravan ore bodies are typically flat-lying beds that are 3 to 6 feet thick and are mined horizontally.
- Due to faulting, the Pitchfork beds are rotated and sub-vertical, which allow for a more economical mining method.

# INITIAL DRILL HOLES PLANNED FOR PITCHFORK MINE & HISTORIC DATA FROM 1970's EXPLORATION



FROM DEPTH	TO DEPTH	ELEVATION AT BASE OF INTERVAL	THICKNESS	GRADE % U <sub>3</sub> O <sub>8</sub>
10	3.0		2.0	.04
101.4	103		2.0	.04
151.5	153.0	6450.8	1.5	.39
172	174		2.5	.02
197	195		3.0	.04
236	240.5		4.5	.02
240.5	246.0	6357.8	5.5	1.16
246	257		11.0	.02
			1.0	.02
			25.0	.01

**Hole 75-2  
Gamma Log  
and Summary**



# COLORADO: RARE EARTH PROJECT

## FERMI HAS ACQUIRED STRATEGIC CLAIM PACKAGES THAT MAY CONTAIN RARE EARTH ELEMENTS

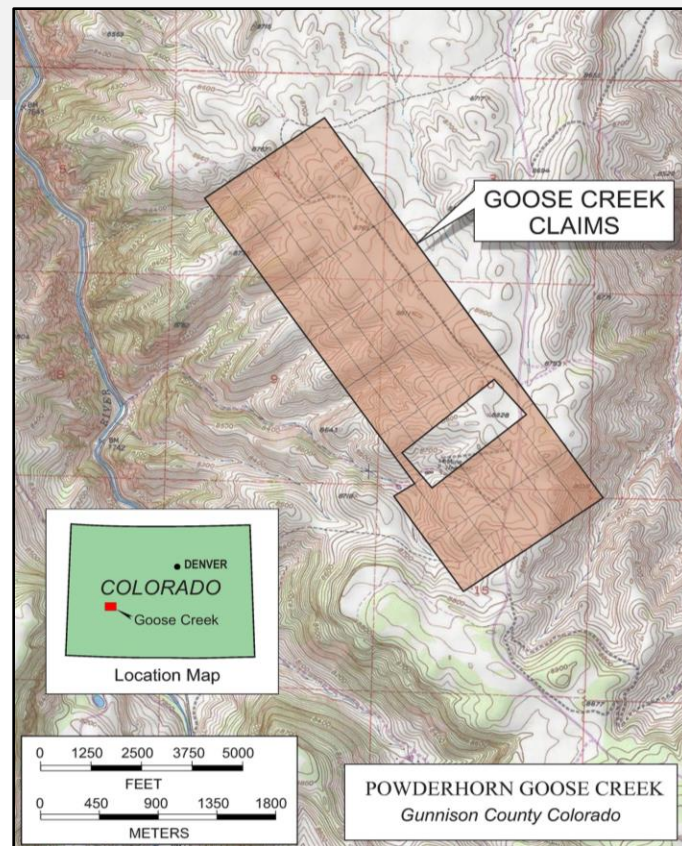
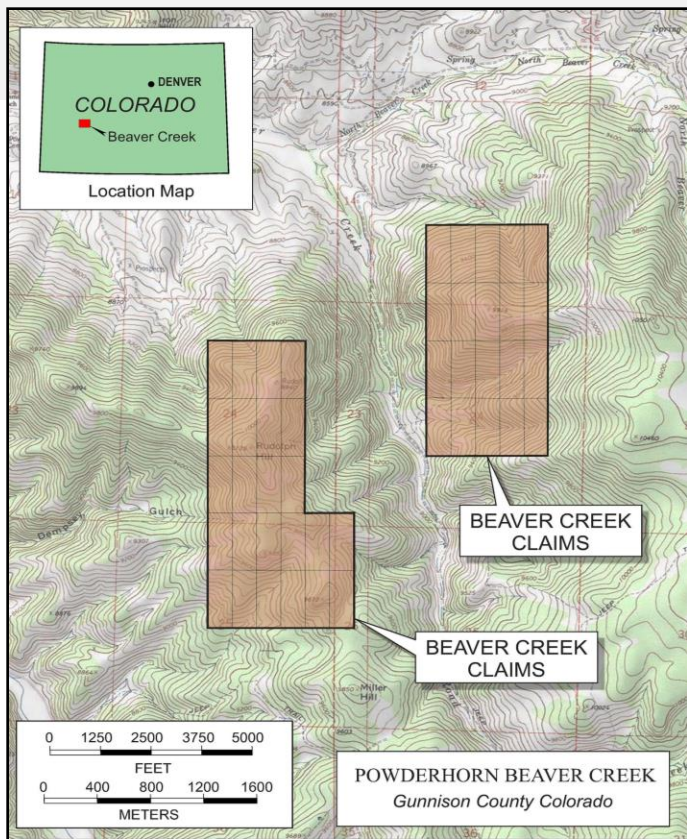
- Claims located in the Wet Mountains of Fremont County (47 claims totaling 971 acres).
- Claims located in the Powderhorn Mountains of Gunnison County (94 claims totaling 1942 acres).
- Both project areas were explored for thorium and uranium in the 1950's. These minerals often occur in conjunction with rare earth minerals.
- Currently the U.S.G.S., along with the Colorado Geological Survey, is conducting a surface mapping and sampling program as well as flying airborne geophysics over the region. Fermi will have access to this data.
- The Powderhorn claims were previously explored by sampling outcrops of veins and by drilling. Fermi has recently obtained much of this historical data.

- Field work on the claims will consist of mapping and sampling identified carbonatite veins, as well as utilizing U.S.G.S. and C.G.S. data to locate additional targets for drilling.
- Fermi believes that both areas hold the potential to host economic rare earth deposits that would be mined either by open-pit or underground mining methods.





# LOCATIONS OF RARE EARTH MINERAL PROJECTS



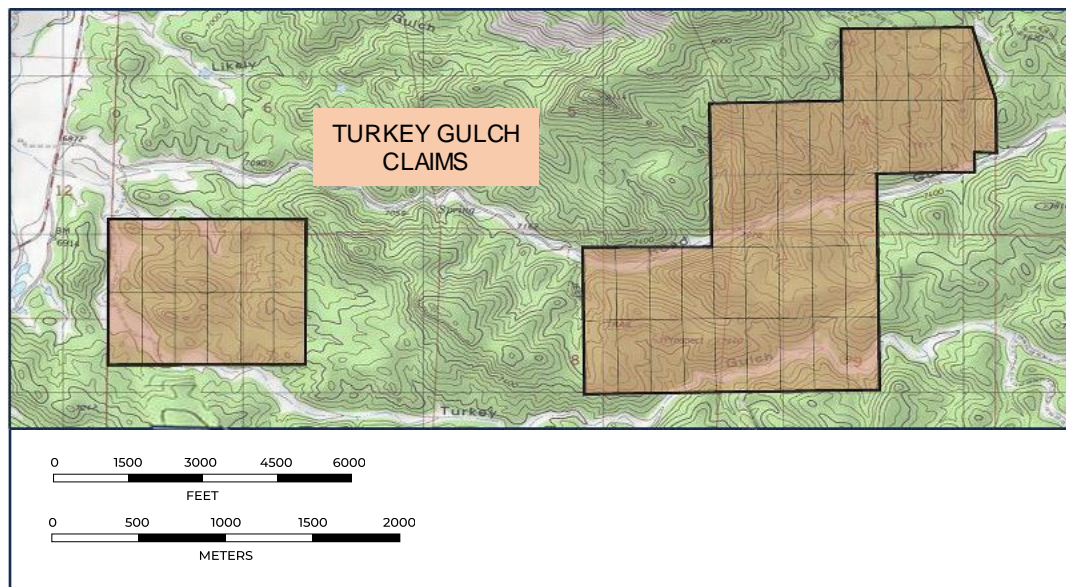
**POWDERHORN PROPERTIES – 94 CLAIMS  
(FIRST-PASS SAMPLING AND ASSAYING IN PROGRESS)**





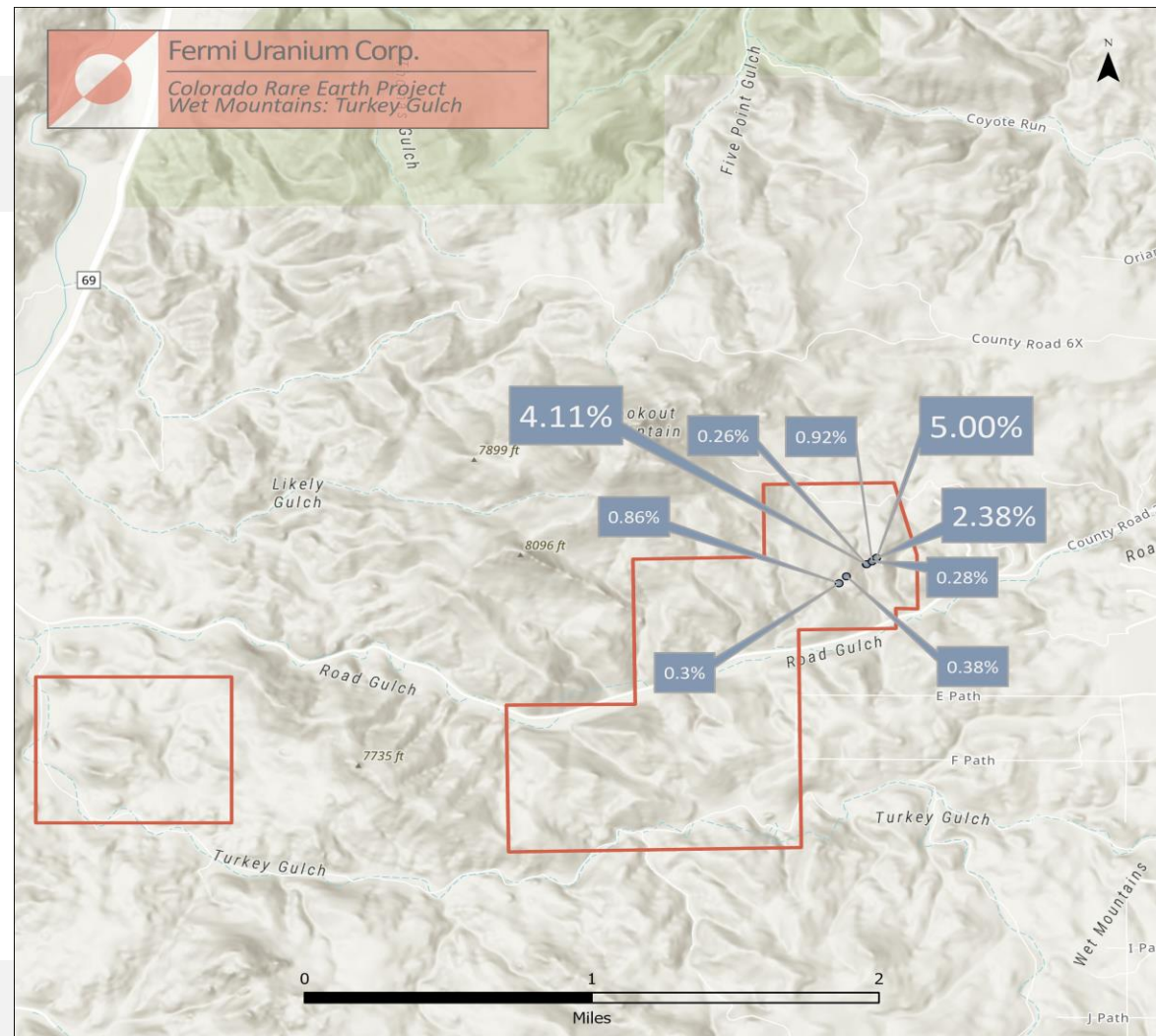
# LOCATIONS OF RARE EARTH MINERAL PROJECTS

## WET MOUNTAINS PROPERTIES – 47 CLAIMS



WET MOUNTAINS  
Fremont County Colorado

## WET MOUNTAINS PROPERTIES – 36 CLAIMS (FIRST-PASS SAMPLING AND ASSAYING REPORTS)



## CAPITAL STRUCTURE & CURRENT OFFERING

- Fermi is a recently-formed Delaware corporation
- Shares Issued and Outstanding: 23,700,000
- Major Holders:
  - Gold Express Mines, Inc.: 6,000,000
  - Founders/Insiders: 3,700,000
- Proposed Offering: 6,666,667 Units at \$.30
  - *(one common share + one-half of a five-year warrant at \$0.45)*
- Pre-money valuation (fully diluted): \$7.1MM
- Post-money valuation: \$9.1MM

## USE OF PROCEEDS

New Fork Valley (WY)	\$560,000
Ellis Project (ID)	\$80,000
Pitchfork (Uravan)	\$480,000
REE Project (CO)	\$145,000
Accounting	\$55,000
Legal	\$45,000
G&A	\$230,000
Debt Repayment	\$100,000
Offering Expenses	\$275,000
Working Capital	\$30,000
<b>Grand Total</b>	<b>\$2,000,000</b>

**Note:** The Company intends to IPO in 2024-25 depending on exploration results, uranium and rare earth market conditions, and the overall financial and IPO outlook.

# RECAP: GOALS AND OBJECTIVES OF THE COMPANY

- Raise sufficient initial capital to execute drilling programs to explore the Company projects.
- Work toward a listing on NASDAQ or NYSE-MKT.
- Form strategic industry alliances to identify potential partnerships and formulate advantageous deals.
- Establish and implement timely communications with key stakeholders and community leaders.
- Benchmark the minerals industry to identify and use ESG best practices at our projects.
- Work toward establishing Fermi as a bona-fide *domestic* supplier of critical materials that will enable green technology and energy production.
- Build a reputation as a responsibly-led, innovative company with resilience and high investment potential.



 FOR MORE INFORMATION:

JOHN RYAN

CEO & PRESIDENT

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**THANK YOU FOR VIEWING THE FERMI URANIUM PRESENTATION!**

# TWENTY-FOUR MONTH WORK PROGRAMS

## WYOMING - NEW FORK PROJECT

Project Consulting	\$90,000
Mag-VLF Survey	\$160,000
Field Work	\$50,000
Bonding	\$50,000
Open Hole Rotary Drilling	\$500,000
Diamond Drilling	\$100,000
Assays	\$15,000
Claim Fees & New Claims	\$150,000
Maiden Resource Calc.	\$75,000
Travel	\$30,000

**Total: \$1,220,000**

## IDAHO - ELLIS PROJECT

Project Consulting	\$35,000
Mag-VLF Survey	\$160,000
Claim Fees	\$18,000
Travel	\$7,500

**Total: \$220,500**



# TWENTY-FOUR MONTH WORK PROGRAMS

## COLORADO – PITCHFORK

Project Consulting	\$90,000
Field Work	\$60,000
Bonding	\$50,000
Open Hole Rotary Drilling	\$450,000
Diamond Drilling	\$100,000
Assays	\$12,000
Claim Fees / Lease Payment	\$98,000
Maiden Resource Calc.	\$75,000
Travel	\$25,000

**Total: \$960,000**

## COLORADO – RARE EARTH PROJECTS

Project Consulting	\$75,000
Mag-VLF Survey	\$40,000
Sampling	\$40,000
Bonding	\$35,000
Drilling	\$340,000
Assays	\$25,000
Claim Fees	\$20,000
Travel	\$15,000

**Total: \$590,000**