



**NORTHERN
KINGDOM**
— MINING —

SASKATCHEWAN'S
STRATEGIC HEAVY
MINERAL SANDS PROJECT

THE KINGDOM PROJECT

The future of critical metals



**POSSIBLE
WORLD-CLASS
RESOURCE BASE**

Extensive mineral diversity
with high-grade potential



**STRONG ECONOMIC
POTENTIAL**

Prospective multiple
revenue streams
from critical minerals



**STRATEGIC
ADVANTAGE**

Located in a top-tier
mining jurisdiction



**LARGE-SCALE
OPPORTUNITY**

with vast upside



THE MISSION

The Kingdom Project is positioned to become a key supplier of rare earth elements and titanium for domestic and global markets.

Our strategy focuses on **rapid development** to achieve production in record time, supported by the project's ability to **scale efficiently** to meet rising demand for these critical minerals. Located in Saskatchewan, the project benefits from a **highly supportive mining environment**, ensuring its successful and timely advancement.



PROJECT SUMMARY

The Kingdom Project, located in Saskatchewan, is a major heavy mineral sands property that hosts valuable minerals, including **monazite, ilmenite, rutile, zircon, garnet, quartz, tourmaline, sulfur, feldspar, sillimanite, kyanite, and andalusite**, and **lithium in illite clay**. Additionally, the project holds potential as a significant source of **gold, silver, chromium, scandium, and vanadium**, which have been recovered from various areas within the Mannville formation across Saskatchewan.

Situated within the Mannville Sand Formation, the deposit is estimated to contain **55 billion tonnes of mineable material**, potentially ranking it among the world's largest heavy mineral sands deposits.

The property benefits from excellent infrastructure, with easy access via highways and forest roads. Given the ore body's shallow, open-pit nature, the project is positioned for **rapid production**, immediate cash flow, and a quick return on investment.



**RARE EARTH
ELEMENTS**
High-demand
critical minerals



**TITANIUM
MINERALS**
Essential for
advanced industries



**HIGH-VALUE
MINERAL SUITE**
Diverse minerals
with strong upside



**RAPID
DEVELOPMENT**
Focused on speed
and execution



**STRONG
LOCAL SUPPORT**
Community cooperation
and local benefits



A WORLD-CLASS ASSET IN A TIER-1 JURISDICTION
POSITIONED TO DELIVER LONG-TERM VALUE AND SHAREHOLDER RETURNS



SASKATCHEWAN
TIER-1 JURISDICTION



EXCELLENT
INFRASTRUCTURE



LARGE-SCALE
POTENTIAL



STRONG
INVESTMENT
THESIS

DEMAND FOR STRATEGIC METALS



CLEAN ENERGY
TRANSITION



AI & ADVANCED
TECHNOLOGY



SUPPLY CHAIN
SECURITY



GEOPOLITICAL
PRESSURES

Global demand for strategic metals is accelerating, driven by several converging trends. The transition to **clean energy technologies**, such as electric vehicles and renewable energy infrastructure, requires vast quantities of these critical materials. At the same time, the rapid expansion of **AI data centers** and **advanced manufacturing** is further increasing consumption.

Heightened awareness of supply chain vulnerabilities, combined with intensifying **geopolitical pressures**, has amplified the urgency to secure reliable sources. Together, these forces are fueling an **unprecedented surge** in global demand for strategic metals.



ACCELERATING
GLOBAL DEMAND



SECURING RELIABLE
SOURCES



FUELING A SUSTAINABLE
FUTURE

A COMPELLING INVESTMENT OPPORTUNITY

The Kingdom Project offers exposure to a **large-scale, long-life** asset with **multiple high-value minerals**, located in a stable, **top-tier mining jurisdiction**. With strong fundamentals, favorable market dynamics and significant expansion potential, it is uniquely positioned to deliver **long-term value** for shareholders.



LONG-TERM
VALUE
CREATION



DIVERSIFIED
REVENUE
POTENTIAL



SIGNIFICANT
EXPANSION
UPSIDE



THE KINGDOM PROJECT IS WELL-POSITIONED TO CAPITALIZE ON THE
EXPLOSIVE GROWTH IN DEMAND FOR STRATEGIC METALS.



LOW-GRADE
DEPOSIT



DISTRICT-SCALE
POTENTIAL



STRONG ECONOMIC
OUTLOOK



CRITICAL FOR A
SUSTAINABLE FUTURE

THE KINGDOM PROJECT

The future of critical metals



The Kingdom Project, located in Saskatchewan, is a major heavy-mineral sands property that hosts valuable minerals, including monazite, ilmenite, rutile, zircon, garnet, quartz, tourmaline, sulfur, feldspar, sillimanite, kyanite, and andalusite, and lithium in illite clay.



Additionally, the project holds potential as a significant source of gold, silver, chromium, scandium, and vanadium, which have been recovered from various areas within the Mannville formation across Saskatchewan.



Situated within the Mannville Sand Formation, the deposit is estimated to contain potential mineable material, potentially ranking it among the world's largest heavy mineral sands deposits.



The property benefits from excellent infrastructure, with easy access via highways and forest roads.



Given the ore body's shallow, open-pit nature, the project is positioned for rapid production, immediate cash flow, and a quick return on investment.



THE KINGDOM PROJECT
SASKATCHEWAN, CANADA
The future of critical metals



POTENTIAL MINEABLE MATERIAL

VALUABLE MINERALS



MONAZITE



ILMENITE



RUTILE



ZIRCON



GARNET



QUARTZ



TOURMALINE



SULFUR



FELDSPAR



SILLIMANITE



KYANITE



ANDALUSITE



LITHIUM
IN ILLITE CLAY

ADDITIONAL MINERAL POTENTIAL



GOLD



SILVER



CHROMIUM



SCANDIUM



VANADIUM



EXCELLENT INFRASTRUCTURE



SHALLOW, OPEN-PIT DEPOSIT
FOR EFFICIENT MINING



POSITIONED FOR RAPID PRODUCTION,
IMMEDIATE CASH FLOW, AND QUICK
RETURN ON INVESTMENT



These numbers are projected for conceptual use only



**SASKATCHEWAN'S
STRATEGIC HEAVY
MINERALS SANDS PROJECT**

DISTRICT SCALE. WORLD CLASS POTENTIAL.

Northern Kingdom Mining controls a vast land position in the heart of Saskatchewan's proven mineral sands belt, within the highly prospective Mannville Sand Formation.



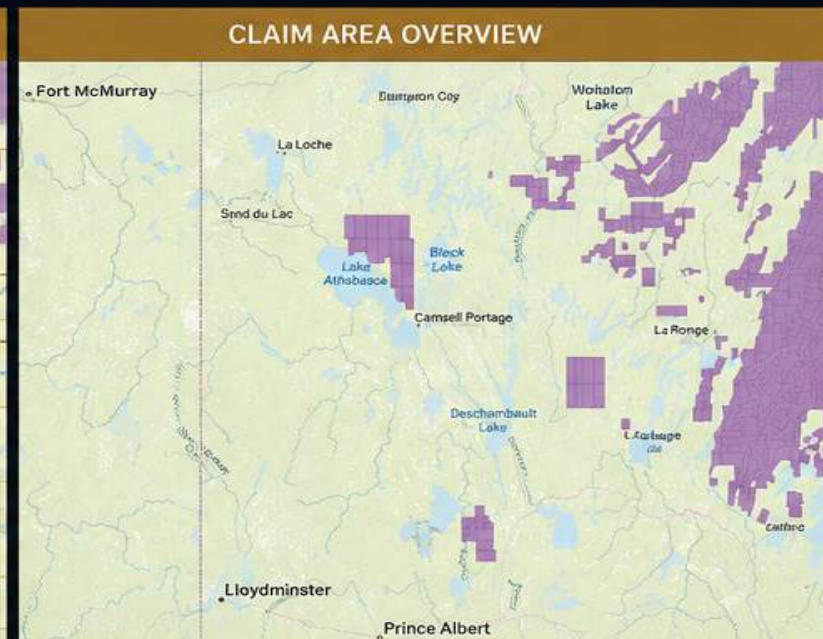
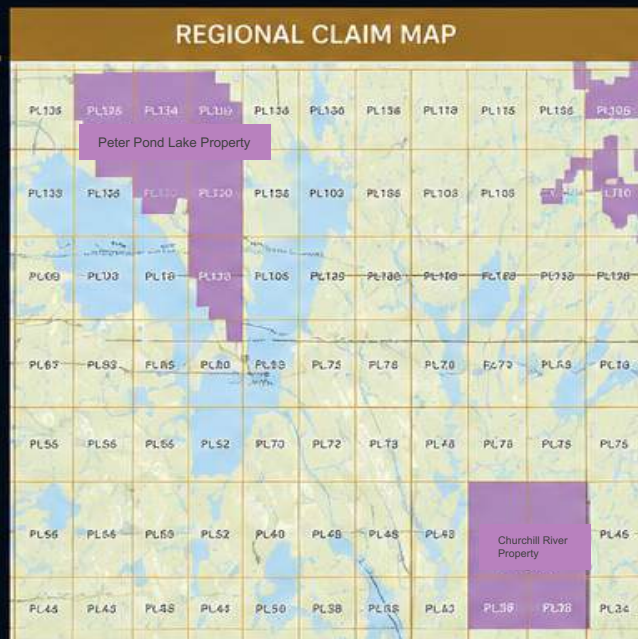
Over 105,000 hectares (260,000+ acres) of mineral rights
across two highly prospective regions.



Located in Saskatchewan, Canada – a top-tier mining jurisdiction with excellent infrastructure and access.



Extensive ground package with significant potential for discovery and long-term value creation.



CLAIM SIZE	HECTARES	ACRES
	105,312.5	260,232.45



Of highly prospective mineral claims



Of strategic land position



A premier mining jurisdiction



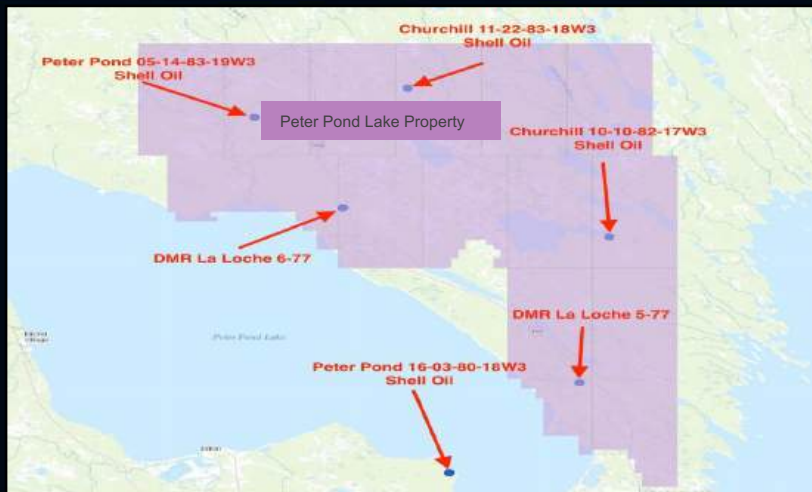
Via highways and established infrastructure





HISTORIC DRILLING BY SHELL OIL, AGIP, AND DMR DEMONSTRATES LONG-STANDING INDUSTRY INTEREST ACROSS NORTHERN KINGDOM MINING'S DISTRICT-SCALE LAND PACKAGE.

WESTERN PROJECT AREA – DRILL HOLE LOCATIONS



EASTERN PROJECT AREA – DRILL HOLE LOCATIONS



DRILL PROGRAM

Historical and recent drill holes confirm the prospective nature of the Mannville Sand Formation.



WIDE-RANGING EXPLORATION

Drill holes strategically positioned across both regions to test extensive mineralized systems.



MULTIPLE TARGETS

Multiple drill-confirmed targets with strong indications of heavy mineral sands potential.



EXCELLENT ACCESS

Accessible via highways and forest roads with established infrastructure nearby.



**OVER 105,000
HECTARES**

Of highly prospective mineral claims



**260,000+
ACRES**

Of strategic land position



**SASKATCHEWAN,
CANADA**

A premier mining jurisdiction

HISTORIC EXPLORATION COVERAGE

- Shell Oil
- AGIP
- DMR
- Multiple drill-confirmed targets



**105,312.5
HECTARES**



**260,232.45
ACRES**



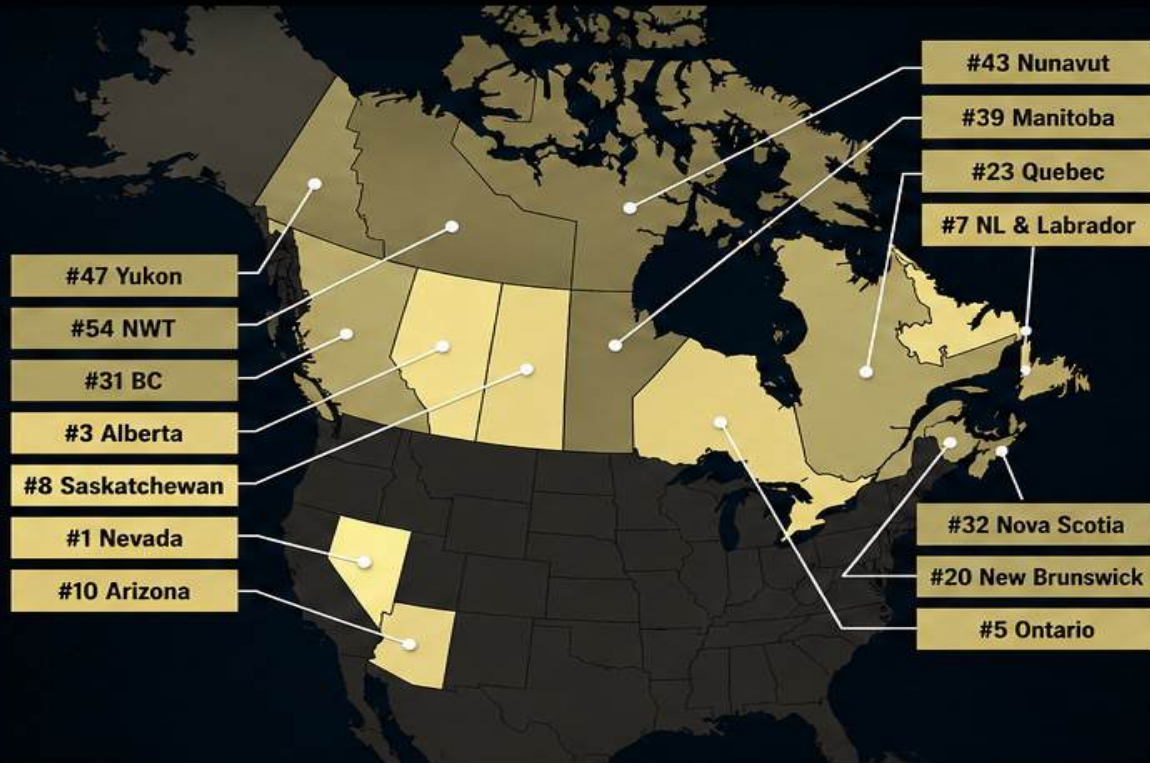
THESE HISTORIC DRILL PROGRAMS PROVIDE VALUABLE GEOLOGICAL DATA AND DEMONSTRATE THAT MAJOR INTERNATIONAL COMPANIES PREVIOUSLY RECOGNIZED THE EXPLORATION POTENTIAL OF THE MANNVILLE SAND FORMATION. **NORTHERN KINGDOM MINING IS LEVERAGING THIS HISTORICAL FOUNDATION TO ADVANCE ONE OF SASKATCHEWAN'S LARGEST STRATEGIC HEAVY MINERAL SANDS OPPORTUNITIES.**

FRASER INSTITUTE SURVEY OF MINING COMPANIES 2025

TOP MINING JURISDICTIONS FOR POLICY PERCEPTION

AB, ON, NL, and SK make the TOP 10 (of 68) of most attractive mining jurisdictions for policy

FRASER
INSTITUTE



Saskatchewan is the #8 jurisdiction in the World for Policy Perception in 2025.
Source: Fraser Institute Annual Survey of Mining Companies 2025.

GLOBAL INVESTMENT ATTRACTIVENESS RANKINGS



NEVADA
United States



ONTARIO
Canada



SASKATCHEWAN
Canada

Ranked #6 Globally

Australia has 2 jurisdictions in the global Top 10
Western Australia remains a global capital destination



Low political risk and transparent regulations



Attractive tax and royalty structure



World-class mineral potential

Key Insights

USA | Canada | Australia

1	 Nevada, USA	6	 Western Australia, Australia
2	 Ontario, Canada	7	 Botswana
3	 Saskatchewan, Canada	8	 Norway
4	 South Australia, Australia	9	 Sweden
5	 Arizona, USA	10	 Saudi Arabia

Key Insight

North America and Australia dominate the Top 10

@MaruryuHill

1) Nevada (USA):

1) Nevada Gold Mines Complex (Barrick / Newmont JV)

2024 Production
1.65 Moz Au
1.54–1.70 Moz Au

• Largest gold mining complex in the world

2) Round Mountain Mine (Kinross Gold)

~300–350 koz
Annual Production Range

• One of Nevada's longest-running open pit gold operations

Saskatchewan is the #3 in the World for investment attractiveness in 2025. Source: Fraser Institute Annual Survey of Mining Companies 2025.

GLOBAL LITHIUM METAL MARKETS



Commodity analysts at Goldman Sachs, UBS, Citigroup, and Bernstein now anticipate a sharp resurgence in lithium demand following the electric-vehicle boom-and-bust cycle. This time, the growth driver isn't EV batteries, it's the rapid expansion of grid-scale energy storage systems, which are emerging as the next central pillar of demand for the metal.



In a new 2026 outlook, UBS analyst Josh Reed told clients that his mining team expects **copper, aluminum, and lithium to outperform**, benefiting from tight supply, the energy transition, and increased AI and defense-related demand.



Earlier in the week, UBS analyst Marcus Zhang added that demand for battery storage systems is likely to push lithium prices significantly higher between 2026 and 2028, potentially **by as much as 150% above prior forecasts**.



RIISING DEMAND

Driven by grid-scale energy storage expansion



SUPPLY TIGHTNESS

Limited new supply supports higher lithium prices



NEW DEMAND DRIVERS

AI growth and defense needs add incremental demand



PRICE OUTLOOK

Lithium prices expected to rise significantly 2026–2028



“The next phase of lithium demand is being driven by energy storage, which is becoming a foundational part of the global energy system.” – UBS Global Research

GLOBAL LITHIUM DEMAND SURGE

ELON MUSK ON GRID-SCALE ENERGY STORAGE

“

“Just by adding stationary batteries to the grid, we could double the electricity production in the United States.”

— **Elon Musk**

@ElonClipsX

POWER GENERATION CONTEXT



U.S. generating capacity is approximately **1 terawatt**



Grid-scale battery deployment could dramatically increase effective utilization



Energy storage is becoming a critical pillar of future energy infrastructure

ENERGY STORAGE DRIVING DEMAND GROWTH



Energy Storage expected to account for **44%** of global lithium demand growth in 2025



Nearly **30%** of total lithium demand linked to energy storage systems



Battery Energy Storage Systems (BESS) projected to grow **faster than EV demand** in 2026



GRID-SCALE ENERGY STORAGE IS EMERGING AS ONE OF THE LARGEST NEW SOURCES OF LITHIUM DEMAND, CREATING A POWERFUL GROWTH CATALYST ALONGSIDE ELECTRIC VEHICLES, AI INFRASTRUCTURE, AND GLOBAL ELECTRIFICATION.

LITHIUM MARKET OUTLOOK 2026–2027



DECEMBER 2025

Lithium Carbonate Futures:

CNY 94,000/tonne

Highest level in **18 months**



2027 OUTLOOK

Major producers forecast:

~30%

increase in lithium demand

December 2025, Wood Mackenzie and other leading analysts project sustained long-term growth in lithium demand, supported by both the electric vehicle sector and broader energy-transition needs. Battery Energy Storage Systems (BESS) are emerging as a major catalyst, with demand expected to grow even faster than EV demand in 2026, potentially reshaping the market outlook, according to reports from Mining.com and CarbonCredits.com.

Lithium carbonate futures in China climbed above **CNY 94,000 per tonne** in December, the highest level in **18 months**, driven by improving expectations for battery infrastructure demand. By 2027, compensation mechanisms supporting lithium-intensive energy storage systems are expected to play a dominant role in the market. In response, major producers now forecast that lithium demand will **increase by roughly 30% in 2027**.

SOURCES:

- Elon Clips X
- Wood Mackenzie
- Mining.com
- CarbonCredits.com

ENERGY STORAGE APPLICATIONS OF STRATEGIC METALS

3

Li

Lithium
6.94

Lithium is the cornerstone of modern energy storage, enabling efficient, reliable, and scalable solutions for a **cleaner, more resilient energy future**.



Strategic metals like lithium, nickel, cobalt, and manganese are essential for delivering the **performance, safety, and longevity** required by advanced energy storage systems.

KEY ENERGY STORAGE APPLICATIONS



ELECTRIC VEHICLES (EVs):

Lithium-ion batteries (LiBs) remain the leading energy storage technology for EVs, offering high energy density, long lifespan, and rapid charging. Rising EV adoption is a major driver of surging lithium demand.



GRID-SCALE STORAGE:

LiBs play a crucial role in stabilizing power grids by storing surplus energy from intermittent renewable sources such as solar and wind. This ensures a consistent energy supply during peak demand or low renewable output.



BEHIND-THE-METER STORAGE:

Installed in homes and businesses, these systems store electricity for later use, enhancing energy independence and reducing electricity costs.

POWERING A SUSTAINABLE ENERGY FUTURE



RAPID GROWTH

Global battery demand is projected to grow over 30% annually through 2030.



ENERGY SECURITY

Energy storage enhances grid reliability, reduces outages, and supports energy independence.



CLEANER FUTURE

Enabling greater renewable integration and accelerating the transition to a low-carbon economy.

STRATEGIC METALS POWERING NEXT-GENERATION BATTERIES



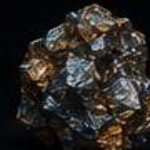
LITHIUM (Li)

Enables high energy density and long cycle life.



NICKEL (Ni)

Increases energy density and overall capacity.



COBALT (Co)

Enhances stability, safety, and battery lifespan.



MANGANESE (Mn)

Improves structural stability and thermal performance.



ENERGY STORAGE IS THE FOUNDATION OF A RELIABLE, AFFORDABLE, AND SUSTAINABLE ENERGY FUTURE.

STRATEGIC METALS. POWERING TOMORROW.



ELECTRIFYING
TRANSPORTATION



INTEGRATING
RENEWABLES



STABILIZING
THE GRID



EMPOWERING HOMES
& BUSINESSES



BUILDING A
CLEANER FUTURE

MILITARY APPLICATIONS OF STRATEGIC METALS

Titanium is a vital material in the aerospace industry due to its high strength-to-weight ratio, corrosion resistance, and ability to withstand high temperatures.

ITS PRIMARY APPLICATIONS INCLUDE:



AIRFRAME STRUCTURES:

Providing structural integrity.



ENGINE PARTS:

Withstanding extreme heat.



LANDING GEAR:

Offering strength and durability.



FASTENERS:

Ensuring secure connections.



TITANIUM'S UNIQUE PROPERTIES MAKE IT
INDISPENSABLE FOR AEROSPACE COMPONENTS
REQUIRING BOTH STRENGTH AND LIGHT WEIGHT.



AEROSPACE
SUPERIORITY



DEFENSE
READINESS

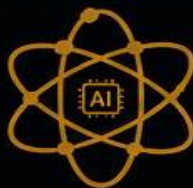


STRATEGIC
ADVANTAGE



NATIONAL
SECURITY

AI APPLICATIONS OF STRATEGIC METALS



Rare Earth Elements (REEs), including **neodymium, dysprosium, and praseodymium**, are foundational to modern digital infrastructure. These elements are crucial in the creation of powerful magnets used in cooling fans and hard drives, as well as in sophisticated components for servers and networking equipment. Therefore, REEs are essential for the hardware that underpins our digital world.

POWERING THE DIGITAL INFRASTRUCTURE OF THE AI REVOLUTION



FOUNDATIONAL TO MODERN DIGITAL INFRASTRUCTURE



COOLING FANS

REE magnets power high-efficiency fans that keep critical systems cool.



HARD DRIVES

REEs enable powerful magnets that drive high-performance data storage.



SERVERS & DATA CENTERS

REEs are used in precision components that ensure reliable, efficient operation.



NETWORKING EQUIPMENT

Essential for high-speed connectivity and advanced communication systems.

KEY RARE EARTH ELEMENTS DRIVING AI INFRASTRUCTURE



NEODYMIUM (Nd)

Critical for high-strength magnets used in motors, fans, and hard drives.
Enables compact, powerful, and efficient systems.



DYSPROSIUM (Dy)

Enhances heat resistance and magnetic performance in high-temperature applications.
Essential for reliability and efficiency.

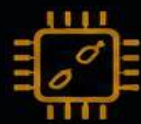


PRASEODYMIUM (Pr)

Improves magnet strength and stability.
Key for advanced components in motors, lasers, and networking equipment.



REEs are irreplaceable due to their unique magnetic, optical, and electronic properties, **which are essential for energy efficiency and high performance.**



AI PERFORMANCE

Powering faster processing and smarter systems



ENERGY EFFICIENCY

Enabling efficient cooling and reduced power consumption



SCALABILITY

Supporting the growth of data centers and AI workloads



SUPPLY SECURITY

Critical for secure, resilient digital infrastructure



STRATEGIC IMPORTANCE

A cornerstone of national security and technological leadership

ALLOYING APPLICATIONS OF STRATEGIC METALS

21 21
Sc
Scandium
44.96

Scandium is utilized in alloying applications primarily for its ability to **enhance the strength and durability of materials**, especially when alloyed **with aluminum**.



The resulting scandium-aluminum alloys are **lightweight and strong**, making them ideal for high-performance military hardware.



This includes applications in aircraft, armored vehicles, and weapons systems, where these properties are crucial for **enhanced performance and protection**.

SCANDIUM-ALUMINUM ALLOYS: LIGHTER. STRONGER. MISSION CRITICAL.



SCANDIUM-ALUMINUM ALLOY BENEFITS



LIGHTWEIGHT
Reduces overall weight for greater speed and efficiency



HIGH STRENGTH
Enhances strength and load-bearing capability



SUPERIOR DURABILITY
Improves resistance to fatigue, corrosion, and wear



ENHANCED PERFORMANCE
Delivers mission-critical reliability in extreme conditions

CRITICAL FOR HIGH-PERFORMANCE MILITARY HARDWARE

AIRCRAFT

Lightweight structures improve speed, agility, and fuel efficiency.



ARMORED VEHICLES

Stronger, lighter armor enhances protection while maintaining mobility.



WEAPONS SYSTEMS

Improved strength and durability ensure superior reliability and accuracy.



WHY SCANDIUM MATTERS

Even in trace amounts, scandium significantly enhances alloy performance, enabling the next generation of military technology to be **faster, stronger, and more resilient**.



SCANDIUM ALLOYING TECHNOLOGY DELIVERS A STRATEGIC ADVANTAGE THROUGH LIGHTWEIGHT STRENGTH, ENHANCED PROTECTION, AND SUPERIOR PERFORMANCE IN THE MOST DEMANDING ENVIRONMENTS.



MISSION
ADVANTAGE



ENHANCED
PROTECTION



LIGHTER.
STRONGER.
FASTER.



ESSENTIAL FOR
NATIONAL
SECURITY

NUCLEAR ENERGY APPLICATION OF STRATEGIC METALS



Zirconium, particularly in alloy form, is a critical material in nuclear energy due to its **low neutron absorption cross-section** and **high thermal stability**.

ITS PRIMARY APPLICATION:



CLADDING FOR FUEL RODS

Zirconium alloy cladding encases uranium fuel pellets in nuclear reactors.

- Prevents corrosion from coolant
- Maintains structural integrity at high temperatures
- Ensures efficient neutron transmission

WHY ZIRCONIUM IS ESSENTIAL:



LOW NEUTRON ABSORPTION

Allows more neutrons to sustain the nuclear chain reaction efficiently.



HIGH THERMAL STABILITY

Maintains strength and performance under extreme reactor temperatures.



CORROSION RESISTANCE

Resists oxidation and corrosion in high-pressure water and steam environments.



PROVEN RELIABILITY

Used in reactors worldwide for decades with an exceptional safety record.

POWERING A CLEANER, SAFER FUTURE



ZIRCONIUM ALLOY FUEL ROD CLADDING



Zirconium Alloy Tubes



Fuel Rod Assembly



Fuel Rod with
Zirconium Cladding



THE RESULT:

Zirconium's unique properties make it essential for the **safe and efficient operation** of nuclear reactors.

ENABLING THE FUTURE OF NUCLEAR ENERGY



ENERGY SECURITY

Supports reliable, baseload power for growing global demand.



LOW CARBON FUTURE

Critical to clean energy solutions and decarbonization goals.



SAFETY BY DESIGN

Zirconium cladding is a cornerstone of reactor safety systems.



GROWING DEMAND

Global nuclear expansion increases strategic metal requirements.



STRATEGIC IMPORTANCE

Securing critical minerals for nuclear energy independence and resilience.

NUCLEAR INDUSTRY APPLICATIONS

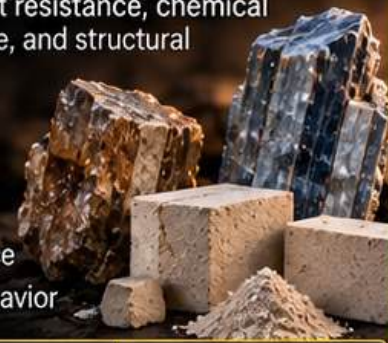
- Mullite-based refractory linings for reactors, furnaces, and high-temperature process units
- Fuel-handling systems, ladles, crucibles, and transfer lines
- Heat exchangers and steam generators in corrosive high-temperature zones
- Containment and shielding components requiring heat and radiation stability
- Technical ceramics, electrical insulators, and element supports for nuclear instrumentation
- Dimensional stability and shrinkage control in critical thermal barriers



WHY THESE MINERALS MATTER IN NUCLEAR SETTINGS

Andalusite, sillimanite, and kyanite are Al_2SiO_5 polymorphs that convert to mullite and silica when calcined, creating refractory ceramics valued for heat resistance, chemical durability, thermal shock resistance, and structural stability in extreme environments.

- Al_2SiO_5 polymorphs
- Convert to mullite + silica
- High thermal stability
- Chemical & corrosion resistance
- Radiation-tolerant ceramic behavior



1,250–1,650°C
conversion range

Mullite + SiO_2

**Extreme thermal
shock resistance**



MULLITE REFRACTORIES: HIGH-TEMPERATURE LININGS & COMPONENTS



TECHNICAL CERAMICS: INSULATION, STABILITY & SHRINKAGE CONTROL

NORTH AMERICA DEMAND SNAPSHOT

178,600 t

U.S. kyanite
production in 2024

44,100 t

Apparent
consumption in 2024

2031+

Stable to modest
growth outlook

KEY INDUSTRIAL USES



Refractories



Abrasives



Ceramics



Foundry

TAKEAWAY: ANDALUSITE, SILLIMANITE, AND KYANITE ARE STRATEGIC FEEDSTOCKS FOR MULLITE-BASED REFRACTORIES AND TECHNICAL CERAMICS THAT HELP NUCLEAR SYSTEMS RESIST HEAT, CORROSION, THERMAL SHOCK, AND RADIATION-INTENSIVE OPERATING CONDITIONS.



NUCLEAR INDUSTRY APPLICATIONS

- Reactor component cleaning
- Fuel-handling equipment surface preparation
- Water-treatment and condensate filtration
- Precision waterjet cutting with minimal heat damage
- Anti-slip safety surfaces in industrial facilities



WHY GARNET MATTERS IN NUCLEAR SETTINGS

Hard • Dense • Inert • Recyclable • Low-dust

A premium industrial mineral used where safety, contamination control, precision, durability, and environmental performance matter.



7–7.5 Mohs

3.56–4.32 density



WATERJET CUTTING: PRECISION FABRICATION & MAINTENANCE



FILTRATION MEDIA: INDUSTRIAL & NUCLEAR WATER SYSTEMS

NORTH AMERICA DEMAND OUTLOOK

\$320–446M

North American
garnet market value
in 2024–2025

4.8–5.8%

Projected CAGR
through the
2030s

>65%

U.S. share of
North American
demand

PRIMARY INDUSTRIAL APPLICATIONS



Waterjet
cutting



Abrasive
blasting



Filtration
media



Safety
surfaces

TAKEAWAY: GARNET IS WELL SUITED TO NUCLEAR INDUSTRY APPLICATIONS WHERE CLEANER ABRASIVES, PRECISION CUTTING, FILTRATION, AND FACILITY SAFETY ARE PRIORITIES.

NUCLEAR INDUSTRY APPLICATIONS

- Advanced radiation shielding concrete
- Neutron attenuation from boron-rich composition
- Gamma-ray shielding when combined in ToGa concrete
- Thermal stability in reactor environments up to 400°C
- Pyroelectric neutron generators for compact neutron sources
- Gamma-ray energy harvesting & self-powered sensors
- Nuclear waste vitrification tracing & borosilicate research



WHY TOURMALINE MATTERS IN NUCLEAR SETTINGS

- Pyroelectric
- Piezoelectric
- Boron-rich
- Thermally stable

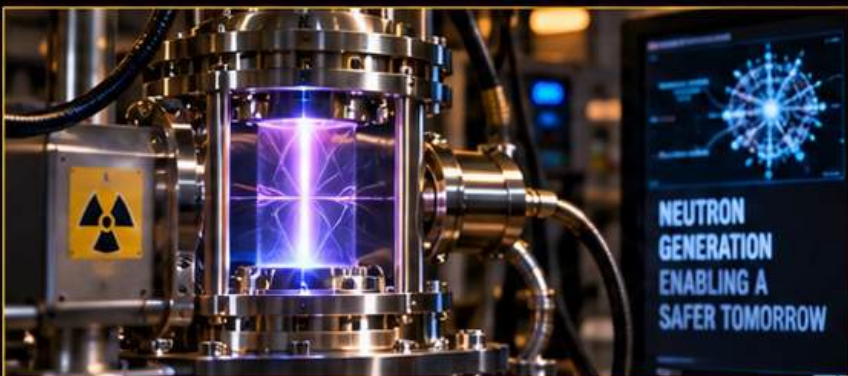


Tourmaline's electrical, thermal, and chemical behavior makes it valuable for neutron control, sensing, shielding, and nuclear materials research.

Mohs 7-7.5

9-11% B₂O₃

Stable borosilicate structure



PYROELECTRIC NEUTRON GENERATION: COMPACT NEUTRON SOURCES FOR ANALYSIS & SECURITY



BORON-RICH MATERIALS: SHIELDING, VITRIFICATION & LONG-TERM NUCLEAR SAFETY

NORTH AMERICA DEMAND SNAPSHOT

~USD 92M

Approx. 2025
North American
demand

Growing

Stable regional
demand outlook

2031+

Expansion
supported by
technology trends

KEY NON-NUCLEAR INDUSTRIAL USES



Electronics



Textiles



Environmental
systems



Wellness /
consumer

TAKEAWAY: TOURMALINE STANDS OUT FOR NUCLEAR APPLICATIONS BECAUSE ITS PYROELECTRIC AND BORON-RICH NATURE SUPPORTS NEUTRON GENERATION, SHIELDING, SENSING, AND ADVANCED MATERIALS RESEARCH.



**NORTHERN
KINGDOM**
MINING

SASKATCHEWAN'S
STRATEGIC HEAVY
MINERALS SANDS PROJECT

SASKATCHEWAN RESEARCH COUNCILS (SRC's) RARE EARTH MANUFACTURING PLANT

Northern Kingdom Mining will negotiate for a U.S. operating license for the Saskatchewan Research Council's (SRC) rare-earth solvent extraction plant—**North America's first fully integrated, commercial-demonstration rare-earth processing facility**, located in Saskatoon. The plant uses SRC's proprietary, AI-automated solvent-extraction cells, designed and manufactured in-house, to separate rare-earth elements into specific mixtures for downstream processing. Initiated in 2020, the project is expected to become **operational in 2026**. Securing this operating license would enable Northern Kingdom Mining to strengthen domestic supply chains by establishing a U.S.-based source of rare-earth metal extraction and reducing reliance on foreign suppliers.

SRC SASKATCHEWAN
RESEARCH COUNCIL

**RARE EARTH
PROCESSING
FACILITY**

SASKATOON, SASKATCHEWAN
CANADA



INITIATED
2020

EXPECTED TO BE
OPERATIONAL
2026



KEY FEATURES OF THE PLANT AND ITS SOLVENT EXTRACTION CELLS



PROPRIETARY TECHNOLOGY

SRC developed its own commercial-scale solvent extraction cells, which are the first of their kind in North America.



IN-HOUSE FABRICATION

The cells are manufactured at an SRC facility in Saskatoon using locally sourced PVC.



AI AND AUTOMATION

The cells are automated with proprietary artificial intelligence and machine learning algorithms to optimize efficiency, production, and product recovery.



SEPARATION PROCESS

The solvent extraction process separates rare earth elements into three streams: medium- and heavy-REEs, lanthanum/cerium carbonate, and neodymium/praseodymium, which are then sent to the metal smelting unit.



INDUSTRY IMPACT

The facility is intended to boost the rare-earth industry in Saskatchewan and the United States, making North America one of the few jurisdictions with this level of processing capacity.



OPERATIONAL STATUS

The facility is under construction and is expected to be fully operational in 2026.



FULL-SCALE DEMONSTRATION

The project serves as a fully integrated, commercial demonstration facility. Northern Kingdom Mining plans to build on this foundation by expanding to full commercial rare-earth processing within the United States.



SECURING THIS OPERATING LICENSE WILL ENABLE NORTHERN KINGDOM MINING TO STRENGTHEN DOMESTIC SUPPLY CHAINS AND **LEAD THE WAY IN NORTH AMERICAN RARE-EARTH PRODUCTION.**



THE KINGDOM PROJECT — BUDGET OUTLINE

Initial Budget			Amount (CAD)	Budgeted Amount (CAD)
	22 holes / 75m	1650m	\$1,000/m	\$1,650,000.00
	Line work / (Pads)	22 drill and bulk sample pads	\$50,000	\$1,100,000.00
	22 Bulk Samples 5 tonne	22	\$50,000	\$1,100,000.00
	Transport to Hatch Ltd.			\$110,000.00
	Metallurgy	22	\$68,000	\$1,500,000.00
	Reports Hatch / Stantec / Assessments / 43-101 + SK 1300			\$750,000.00
Total				\$6,210,000.00
20% contingency G & A				\$1,242,000.00
TOTAL				\$7,452,000.00



NEW PLACEMENT ISSUANCE

Category Share Issuance	Common Class A Shares	Amount (CAD)	Dollars Raised (CAD)
Flow - Through 100%	50,000,000	\$0.15	\$7,500,000.00
Non Flow - Through	15,000,000	\$0.12	\$1,800,000.00
TOTAL	65,000,000	—	\$9,300,000.00



TOTAL CAPITAL TO BE RAISED

\$9,300,000 CAD

TO FULLY FUND THE KINGDOM PROJECT BUDGET OUTLINE

BOARD OF DIRECTORS & SHARE STRUCTURE

NORTHERN KINGDOM MINING – THE KINGDOM PROJECT



BOARD OF DIRECTORS & MANAGEMENT

EXECUTIVE MANAGEMENT



Todd D. Montgomery
(Founder)

CEO, COO
& Director



Scott Evans

President
& Director



**NORTHERN
KINGDOM**
— MINING INC. —



SHARE STRUCTURE

TRITON
URANIUM CORP.

100%



**NORTHERN KINGDOM
MINING INC.**

IS 100% SUBSIDIARY OF
TRITON URANIUM CORP.

POSITIONED FOR SCALABLE GROWTH
& STRATEGIC DEVELOPMENT

CONTACT INFORMATION

NORTHERN KINGDOM MINING – THE KINGDOM PROJECT

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KINGDOM**
— MINING INC. —

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& STRATEGIC DEVELOPMENT**

CAUTIONARY STATEMENT REGARDING NON-COMPLIANT POTENTIAL RESOURCE ESTIMATES

The mineral resource estimates referenced in this summary are *speculative in nature* and do not comply with the current requirements of National Instrument 43-101 (“NI 43-101”). A qualified person has not completed sufficient work to verify or classify these potential estimates as current mineral resources or mineral reserves. These potential estimates were prepared using methodologies and assumptions that differ from those required by NI 43-101 and may include categories of mineralization that are too speculative to support economic considerations. Investors are cautioned that no preliminary economic assessment (“PEA”) based on these estimates has been completed, and there is no certainty that any PEA, feasibility study, or other economic analysis will ever be realized. The estimates are provided for illustrative and reference purposes only. Additional drilling, sampling, and technical work conducted under the supervision of a qualified person would be required to upgrade or verify these estimates in accordance with NI 43-101. Until such work is completed, these speculative estimates should not be relied upon when evaluating the company’s mineral projects or potential economic viability.

LEGAL DISCLAIMER

The statements within this information summary may contain forward-looking information including expectations of future production, operating costs, commodity prices, administrative costs, commodity price risk management activity, acquisitions and dispositions, capital spending, access to credit facilities, income taxes, regulatory changes, and other components of cash flow and earnings. The reader is cautioned that assumptions used in the preparation of such information may prove to be incorrect. Events or circumstances may cause actual results to differ materially from those predicted, a result of numerous known and unknown risks, uncertainties, and other factors, many of which are beyond the control of the company. These risks include, but are not limited to, the risks associated with the mining industry, commodity prices and exchange rate changes. Industry related risks could include, but are not limited to, operational risks in exploration, development and production, delays or changes in plans, risks associated to the uncertainty of reserve estimates, health and safety risks and the uncertainty of estimates and projections of production, costs and expenses. The reader is cautioned not to place undue reliance on this forward-looking information.



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THANK YOU

— FOR YOUR TIME AND CONSIDERATION —

*We appreciate your interest in Northern Kingdom Mining Inc.
and The Kingdom Project.*



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