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Canada

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Canada's Critical Minerals Project Showcase

September 2026 edition



Disclaimers:

The list of projects featured in the Showcase was developed in collaboration with provincial and territorial governments. Project profiles draw on publicly available information and reflect information available at the time of publication. Project information is current as of September 2026 and is subject to change as projects advance.

Inclusion in the Showcase does not constitute an endorsement by the Government of Canada, a financing commitment, an assessment of investment readiness or confirmation that regulatory approvals have been obtained. Inclusion should not be interpreted as evidence of support, approval or consent from any Indigenous community, government, or organization. Prospective investors and partners should conduct their own due diligence.

Maps are illustrative and not to scale; project locations are approximate.

Currency reported is in Canadian dollars unless otherwise specified.

Ce document est aussi disponible en français sous le titre *Vitrine de projets liés aux minéraux critiques au Canada*.

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Foreword from the Minister of Energy and Natural Resources

Canada has entered a new era of mining and critical minerals development, defined by speed, scale and purpose. Around the world, countries are seeking secure and reliable supplies of the minerals that underpin advanced manufacturing, clean energy, digital technologies and national defence. Canada is stepping up to meet that challenge and show we are a reliable supplier to customers at home and abroad by building secure supply chains, strengthening our economic sovereignty and leveraging our abundant mineral deposits to create new opportunities for Canadians.

Our approach is simple: responsibly develop our natural resource advantages and capture more value at home. We are advancing projects across the full value chain, from exploration and mining to processing, manufacturing and recycling. At the same time, we are working in partnership with Indigenous Peoples, supporting made-in-Canada innovation, and ensuring development is guided by strong environmental, social and governance standards that Canadians can be proud of.

Our government is also moving rapidly to create the world's best conditions for investment and growth. Through targeted investments, modernized project delivery, regulatory streamlining, and our efforts to build stronger partnerships with diverse countries, we are making sure Canadian mineral projects have the certainty and financing they need to move forward.

In an increasingly complex and competitive world, trust is a valuable commodity. Canada offers that trust, and the resources, stability, expertise and long-term vision we know investors need to allocate capital and build the critical minerals supply chains of the future. This showcase highlights some of the opportunities available across our country, and demonstrates why Canada is a partner of choice for investment, innovation and partnership.



The Honourable Tim Hodgson
Minister of Energy and Natural Resources

Canada's Value Proposition for Critical Minerals Investment

Canada has the resources, expertise and partnerships needed to build secure and resilient critical minerals supply chains.

Canada's critical minerals advantage spans a wide range of winning conditions from its abundant resources and skilled workforce to its competitive policy environment, funding instruments, strategic infrastructure, and strong relationships with Indigenous and global partners.

Canada offers significant deposits of the minerals essential to clean technologies, advanced manufacturing and national security, supported by internationally recognized expertise in mining, geoscience and engineering. Investors benefit from access to clean and reliable energy in many regions; strong environmental, labour and governance standards; and integrated transportation and trade links to major global markets. Canada also provides opportunities for meaningful Indigenous economic participation and partnership, as well as public programs that support research, infrastructure, project development and supply chain growth.

Together, these strengths position Canada as a secure, responsible and reliable partner in global critical minerals supply chains.



About the Showcase

The Showcase highlights critical minerals projects across Canada, increasing their visibility among potential investors, processors, manufacturers, customers, technology providers, Indigenous development corporations, governments and international partners.

It includes advanced critical minerals mining, processing and recycling projects. Exploration and mining projects were generally required to have a publicly available pre-feasibility study or feasibility study completed or updated since 2016. Publicly announced processing and recycling projects were assessed individually.

The project list was developed in collaboration with provincial and territorial governments. Profiles draw on information available from public sources as of September 2026 and are subject to change as projects advance.

The background of the page is a close-up photograph of a mineral specimen, likely a rock face, showing distinct horizontal layers and textures in shades of brown, tan, and dark grey. Overlaid on this image is a graphic consisting of two rows of three white-outlined hexagons each, arranged in a staggered pattern. A solid teal horizontal bar is positioned across the middle of these hexagons.

Projects

Aden – Greater Knappen

Project Description

Avanti's Greater Knappen consists of several project areas, each defined by its own subsurface structural features, and has identified key areas for helium exploration in Aden, southern Alberta. With the success of initial exploration wells, plans are in place to drill other mapped structures in this area.

Mineral	Value Chain Stage	Company Website
Helium	Mining extraction	avantihelium.com

Avanti Helium Corp.

OTCQB: ARGYF

TSXV: AVN



Baie-Comeau BAM Facility

Project Description

The Baie-Comeau project is Northern Graphite's planned battery anode material facility in Quebec, which will produce coated spherical purified graphite for North American electric vehicle battery anodes and energy storage markets. The project will leverage Northern Graphite's technology platform and graphite from its operating Lac-des-Îles mine and planned Bissett Creek mine to deliver scale, sustainability, and secure supply.

Minerals	Value Chain Stage	Company Website
Graphite, anode materials	Advanced materials and manufacturing	northerngraphite.com

Northern Graphite Corp.

FSE: ONG

OTCQB: NGPHF

TSXV: NGC



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Baptiste

Project Description

The Baptiste Nickel Project in central British Columbia is a proposed high-margin, long-life, large-scale, and low-carbon mine with the flexibility to produce either a high-grade concentrate (60% nickel) for direct feed into the stainless steel industry or further refining into battery-grade nickel sulphate, cobalt precipitate, and copper concentrate products for the battery material supply chain.

Minerals	Value Chain Stage	Company Website
Nickel, cobalt	Mining extraction	fpxnickel.com

FPX Nickel Corp.

OTCQX: FPOCF

TSXV: FPX



Battery Materials Park

Project Description

Electra's hydrometallurgical facility is the only facility of its kind in North America, with an existing refinery, infrastructure and permits. Its goal is to supply the electric vehicle market with cobalt sulphate, and it has an operating history of previously producing cobalt carbonate and nickel carbonate. Located in Ontario, Canada, it is in proximity to auto manufacturing centres.

Minerals	Value Chain Stage	Company Website
Battery materials, cobalt, lithium, nickel	Processing/refining	electrabmc.com

Electra Battery Materials Corp.

NASDAQ: ELBM

TSXV: ELBM



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Berg

Project Description

Surge Copper's fully owned Berg Copper Project hosts a large-scale copper-molybdenum-silver deposit in central British Columbia, within the Wet'suwet'en Yintah. It is supported by a pre-feasibility study and mineral reserve estimate that establish a development pathway for a long-life copper project with molybdenum, silver, and gold by-product production.

Minerals	Value Chain Stage	Company Website
Copper, molybdenum, silver	Mining extraction	surgecopper.com

Surge Copper Corp.

OTCQB: SRGXF

TSXV: SURG



Casino

Project Description

Western Copper and Gold is advancing the Casino Project, an advanced-stage copper-gold-molybdenum-silver deposit in the Yukon. The project will feature a dual-processing approach utilizing both conventional milling and heap leach facilities. Casino has completed a feasibility study and is advancing through environmental assessment.

Minerals	Value Chain Stage	Company Website
Copper, gold, molybdenum, silver	Mining extraction	westerncopperandgold.com

Western Copper and Gold Corp.

NYSE: WRN

TSX: WRN



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Clearwater Project

Project Description

The Clearwater Project, located between Red Deer and Calgary in Alberta, hosts a proven and probable mineral reserve with 1.29 million tonnes of lithium hydroxide monohydrate within the Bashaw District. This area has supportive long-standing infrastructure from existing conventional oil and gas operations. E3 Lithium plans to extract lithium from brines in the Leduc reservoir using its direct lithium extraction technology.

Mineral	Value Chain Stage	Company Website
Lithium	Processing/refining	e3lithium.ca

E3 Lithium Ltd.

FSE: OW3

OTCQX: EEMMF

TSXV: ETL



Crawford and Processing Facilities

Project Description

The Crawford Nickel Project in Ontario is a proposed mine located in the world's second-largest nickel resource and reserve that would produce high-quality, low-carbon nickel essential for clean industrial materials, batteries and green steel. The development of a nickel processing facility for the stainless steel and electric vehicle markets, and a stainless steel and alloy production facility, is also proposed.

Minerals	Value Chain Stages	Company Website
Nickel, chromium, cobalt, iron, palladium, platinum	Mining extraction and processing/refining	canadanickel.com

Canada Nickel Company Inc.

OTCQX: CNIKF

TSXV: CNC



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Crean Hill and Shakespeare

Project Description

Crean Hill is a past-producing mine being advanced for redevelopment, located in the nickel mining district of Sudbury, Ontario. The project is being evaluated alongside Shakespeare, a past-producing, feasibility stage nickel-copper-platinum group metal project located 70 km south-west of Sudbury. Shakespeare is accessible by road from the nearby Trans-Canada Highway, and both are within distance of milling and smelting capacity in the city.

Minerals	Value Chain Stage	Company Website
Nickel, copper, palladium, platinum	Mining extraction	magnamining.com

Magna Mining Inc.

FSE: 8YD

OTCQX: MGMNF

TSX: NICU



Cyclic Materials Recycling Plant

Project Description

The Cyclic Materials Recycling Plant is a rare earth recycling and processing facility that recovers rare earth materials from end-of-life products and manufacturing scrap. Using proprietary magnet separation, refining, and metallization technologies, the facility processes recovered materials into high-purity rare earth oxides and rare earth metals.

Mineral	Value Chain Stage	Company Website
Rare earth elements	Recycling and circular economy	cyclicmaterials.earth

Cyclic Materials Inc.



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Dumont

Project Description

The Dumont Project is one of the largest undeveloped nickel sulfide deposits in the world. The project is fully permitted. Located 25 km west of Amos, Quebec, in the municipalities of Launay and Trécesson, this large-scale project includes an open-pit mine and processing facilities, with a planned mine life of more than 30 years.

Minerals	Value Chain Stage	Company Website
Nickel, cobalt, iron, palladium, platinum	Mining extraction	dumontnickel.com/en

Dumont Nickel LP



Galaxy

Project Description

The Galaxy Project is a hard rock lithium development located in the James Bay region of Quebec. Designed with sustainability in mind, the project will use renewable energy and draw on spodumene expertise from Rio Tinto's Mt Cattlin operation in Australia. Once operational, Galaxy is expected to produce up to 40,000 metric tons of lithium carbonate equivalent in spodumene concentrate annually.

Mineral	Value Chain Stage	Company Website
Lithium	Mining extraction	riotinto.com/en/can

Rio Tinto Group

ASX: RIO

LSE: RIO

NYSE: RIO



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Gallium Pilot Plant

Project Description

After extracting first gallium with its partner Indium Corporation in May 2025, Rio Tinto will start construction of a pilot plant at its Complexe Jonquière in Saguenay, Quebec, to validate the technology in an industrial environment. The plant is expected to be operational in 2027. A demonstration plant with a capacity of up to 4 tonnes of gallium per year is also planned.

Mineral	Value Chain Stage	Company Website
Gallium	Processing/refining	riotinto.com/en/can

Rio Tinto Group

ASX: RIO

LSE: RIO

NYSE: RIO



Georgia Lake and Refinery

Project Description

The Georgia Lake lithium project is located in the Thunder Bay District of Ontario, with access to rail, a highway, and a port. The extracted ore will be concentrated on-site, yielding a high-grade spodumene concentrate for refinement into battery-grade lithium. A planned lithium converter in Red Rock, Ontario is designed to produce up to 32,000 tonnes of lithium carbonate equivalent per year and will benefit from established infrastructure; transportation links; and clean, reliable power.

Mineral	Value Chain Stages	Company Website
Lithium	Mining extraction and processing/refining	rocktechlithium.com

Rock Tech Lithium Inc.

FSE: RCK

OTCQX: RCKTF

TSXV: RCK



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Glenbain and Fox Areas

Project Description

Helium Evolution is advancing a large-scale helium development platform in southern Saskatchewan, with approximately 5.5 million acres of prospective land and a clear path toward exploration, development and future production.

Mineral	Value Chain Stage	Company Website
Helium	Mining extraction	heliumevolution.ca

Helium Evolution Inc.

OTCQB: HEEVF

TSXV: HEVI



Helium Liquefaction Plant

Project Description

North American Helium is developing a new Helium Hub in North America with both gas and liquid helium capability in Saskatchewan. The company has several production facilities on-stream and expects to grow capacity further.

Mineral	Value Chain Stage	Company Website
Helium	Processing/refining	nahelium.com

North American Helium Inc.



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Highland Valley Copper Mine Life Extension

Project Description

Highland Valley Copper (HVC) is a copper and molybdenum operation located in south-central British Columbia. HVC produces both copper and molybdenum concentrate through autogenous and semi-autogenous grinding and flotation. Teck's HVC Mine Life Extension is a brownfield expansion, extending mine life from 2028 out to 2046. Average copper production is estimated to be 132,000 tonnes per year over the Life Of Mine.

Minerals	Value Chain Stage	Company Website
Copper, gold, molybdenum, silver	Mining extraction	teck.com

Teck Resources Ltd.

NYSE: TECK
TSX: TECK.A, TECK.B



Iron Bear

Project Description

The Iron Bear Project is located near the Newfoundland and Labrador—Quebec border. Iron Bear properties are within 25 km of an open-access heavy-haul railway, which is directly connected to the Sept-Îles and Pointe-Noire iron ore export ports, with Maiden Probable Ore Reserve of 3.3 Bt at 29.1% Fe supporting 23 Mtpa of high-grade iron ore production for 44 years Life Of Mine and mineral resource of 13.6 billion tonnes containing 30.03 % Fe Mineral Resource Estimate.

Mineral	Value Chain Stage	Company Website
High purity iron ore	Mining extraction	ironbearresources.com

Iron Bear Resources Ltd.

ASX: IBR



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Kamistiatusset (or Kami)

Project Description

Located southwest of Wabush and Labrador City, in the Labrador Trough, Kami is a high-purity iron ore mining project. The Kami Project aims to build mining and processing facilities to produce “direct reduction” quality iron ore for low-emission steelmaking.

Mineral	Value Chain Stage	Company Website
High purity iron ore	Mining extraction	championiron.com

Champion Iron Ltd.

ASX: CIA
OTCQX: CIAFF
TSX: CIA



Kearney and Refinery

Project Description

The Kearney Mine is a prior-producing natural graphite mine. By leveraging a fully permitted mine with existing infrastructure, it is expected to deliver a commercial scale graphite production outside China. A downstream anode facility in southern Ontario is also planned.

Minerals	Value Chain Stages	Company Website
Graphite, anode materials	Mining extraction and processing/refining	globalbatterymaterials.com

Global Battery Materials Corp.

FSE: REZ
OTCQB: REZZF
TSXV: GBML



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Knappen

Project Description

The Knappen Helium Project is located in southeastern Alberta near the Alberta-Montana border. The project produces helium from deep Paleozoic reservoirs associated with basement-controlled geological structures.

Mineral	Value Chain Stage	Company Website
Helium	Mining extraction	thorres.com

Thor Resources Ltd.



KSM

Project Description

Seabridge Gold's Kerr-Sulphurets-Mitchell is a proposed gold, copper, silver, and molybdenum project located 65 km northwest of Stewart, in the mineral-rich area, commonly referred to as the Golden Triangle of British Columbia. The project has received environmental assessment approvals, with an approved mine life of over 50 years.

Minerals	Value Chain Stage	Company Website
Copper, gold, molybdenum, silver	Mining extraction	seabridgegold.com

Seabridge Gold Inc.

NYSE: SA

TSX: SEA



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Kutcho

Project Description

Kutcho is a proposed copper-zinc project located approximately 120 km east of Dease Lake in northern British Columbia. The property includes existing site infrastructure such as an airstrip, road access, and a field camp.

Minerals	Value Chain Stage	Company Website
Copper, gold, lead, silver, zinc	Mining extraction	kutcho.ca

Kutcho Copper Corp.

OTC: KCCFF

TSXV: KC



Lac Knife

Project Description

The Lac Knife Project is a wholly owned graphite deposit located in northeastern Quebec. The project hosts a crystalline flake graphite deposit and has been the subject of feasibility studies for potential development as a graphite concentrate producer.

Minerals	Value Chain Stage	Company Website
Graphite, anode materials	Mining extraction	focusgraphite.com

Focus Graphite Inc.

FSE: FKCO

OTCQB: FCSMF

TSXV: FMS



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Lake Superior Plant

Project Description

The Lake Superior Lithium Project is a proposed lithium hydroxide processing facility in Thunder Bay, Ontario and benefits from existing infrastructure, including rail and deep-water port. The facility is intended to process lithium concentrates from multiple lithium concentrate types into battery-grade lithium hydroxide.

Mineral	Value Chain Stage	Company Website
Lithium	Processing/refining	avalonadvancedmaterials.com

Avalon Advanced Materials Inc.

OTCQB: AVLNF

TSX: AVL



Lithium Refinery

Project Description

The Lithium Refinery is a commercial lithium refining facility located in Delta, British Columbia. Opened in April 2026, the facility uses Mangrove Lithium's electrochemical refining technology to convert lithium feedstocks into battery-grade lithium materials.

Mineral	Value Chain Stage	Company Website
Lithium	Processing/refining	mangrovelithium.com

Mangrove Lithium Inc.



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Manyberries Project

Project Description

The Manyberries Project is a helium exploration and development project located in southeastern Alberta. In 2023, Global Helium drilled and completed two exploratory wells on the Manyberries helium trend.

Mineral	Value Chain Stage	Company Website
Helium	Mining extraction	globalhelium.com

Global Helium Corp.



Marathon

Project Description

The Marathon Project is a proposed copper-palladium deposit in Northwestern Ontario. The project has received the key federal and provincial permits; and construction is expected to begin in late 2026, subject to final financing arrangements.

Minerals	Value Chain Stage	Company Website
Palladium, copper, gold, platinum, silver	Mining extraction	genmining.com

Generation Mining Ltd.

OTCQB: GENMF

TSX: GENM



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Matawinie with Battery Plant

Project Description

The Matawinie Project is a graphite mining and concentrator operation located 120 km north of Montréal, Quebec. Following the final investment decision in May 2026, construction of the project is underway. With an estimated 25 year mine life, the operation is designed to produce up to 106 ktpy of graphite concentrate. A portion of the mine's production is expected to supply the planned 13 ktpy Bécancour Battery Material Plant, an advanced manufacturing facility to produce active anode material, targeting a final investment decision in the second half of 2026.

Minerals	Value Chain Stages	Company Website
Graphite, anode materials	Mining extraction and processing/refining	nmg.com

Nouveau Monde Graphite Inc.

NYSE: NMG

TSX: NOU



McIlvenna Bay

Project Description

The McIlvenna Bay Project is an underground copper-zinc-gold-silver mine located in east-central Saskatchewan. The operation produced its first copper concentrate in June 2026, followed by its first zinc concentrate in July 2026. The project is expected to achieve commercial production in the third quarter of 2026.

Minerals	Value Chain Stage	Company Website
Copper, gold, silver, zinc	Mining extraction	eldoradogold.com

Eldorado Gold Corp.

NYSE: EGO

TSX: ELD



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Moblan

Project Description

The Moblan Project, held 60% by Elevra Lithium and 40% by Investissement Québec, is located on the territory of Eeyou-Istchee in the James Bay region of northern Quebec. The Project is being advanced for the production of lithium concentrate and is intended to supply the North American battery market.

Mineral	Value Chain Stage	Company Website
Lithium	Mining extraction	elevra.com

Elevra Lithium Ltd.

ASX: ELV

NASDAQ: ELVR



Nemaska Lithium Project with Whabouchi

Project Description

The Nemaska Lithium Project is a lithium hydroxide development project in Quebec that includes the Whabouchi spodumene mine in the Eeyou-Istchee James Bay region and the Bécancour lithium hydroxide conversion facility in Bécancour. The project is designed to produce lithium concentrate from the Whabouchi mine and process it into lithium hydroxide at the Bécancour facility. Together, the mine and conversion facility form an integrated lithium production and processing operation.

Mineral	Value Chain Stages	Company Website
Lithium	Mining extraction and processing/refining	riotinto.com/en/can

Rio Tinto Group

ASX: RIO

LSE: RIO

NYSE: RIO



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North American Lithium (expansion)

Project Description

North American Lithium is a lithium mining and processing operation located in Quebec's Abitibi-Temiscamingue region. The operations include an open-pit mine and spodumene concentrator, and produces lithium concentrate. Development activities for the expansion project commenced in June 2026, which is intended to increase production capacity at the site.

Mineral	Value Chain Stage	Company Website
Lithium	Mining extraction	elevra.com

Elevra Lithium Ltd.

ASX: ELV
NASDAQ: ELVR



Onaping Depth

Project Description

The Onaping Depth Project is a nickel-copper mine development project located below the former Craig Mine in Onaping, Ontario as part of Glencore's Sudbury Integrated Nickel Operations. Development of the underground mine has included completion of major shaft and underground infrastructure. When completed, Onaping Depth will provide Sudbury Integrated Nickel Operations with a new source of high-grade nickel ore beyond 2040.

Minerals	Value Chain Stage	Company Website
Nickel, cobalt, copper, gold, palladium, platinum, rhodium, silver	Mining extraction	glencore.com

Glencore Canada Corp.

LSE: GLEN
OTCQX: GLNCY



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PAK Lithium Project

Project Description

The PAK Lithium Project consists of integrated lithium production and processing operations and is located in northwestern Ontario at Pakeagama Lake. The project includes a proposed open-pit mine and concentrator that would produce spodumene from the PAK deposit. A proposed lithium conversion facility is also planned in Thunder Bay, Ontario, which would process spodumene concentrate from the PAK Project and potentially other sources into battery-grade lithium chemicals.

Mineral	Value Chain Stages	Company Website
Lithium	Mining extraction and processing/refining	frontierlithium.com

Frontier Lithium Inc.

FSE: HL2

OTCQB: LITOF

TSXV: FL



Patterson Lake South

Project Description

The Patterson Lake South Project is a uranium development project located in Saskatchewan's Athabasca Basin. The project is centred on the Triple R deposit and includes a proposed uranium mine and mill.

Mineral	Value Chain Stage	Company Website
Uranium	Mining extraction	paladinenergy.com

Paladin Energy Ltd.

ASX: PDN

OTCQX: PALAF

TSX: PDN



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Pine Point

Project Description

The Pine Point Project is a zinc-lead development project located in the Northwest Territories on the site of the former Pine Point Mine. The project is a brownfield development and benefits from existing infrastructure, including road access, electrical infrastructure, and historical mine haul roads.

Minerals	Value Chain Stage	Company Website
Zinc, lead	Mining extraction	pinepointmining.com

Pine Point Mining Ltd.

FSE: 0B51

OTCQX: OMZNF

TSX: OM



Prairie Lithium

Project Description

The Prairie Lithium Project is a lithium brine development project located in southeastern Saskatchewan. The project is permitted for its first phase of production and is in construction with key infrastructure already in place, including production wells, power, and a commercial-scale direct lithium extraction facility.

Mineral	Value Chain Stage	Company Website
Lithium	Processing/refining	prairielithium.com

Prairie Lithium Ltd.

ASX: PL9

OTC: PLIXF



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RapidSX™

Project Description

The RapidSX™ Project is a rare earth element separation and processing technology development project based in Kingston, Ontario. In collaboration with Kingston Process Metallurgy Inc., Ucore Rare Metals is advancing the commercialization of the technology for the separation and purification of rare earth elements and other critical metals, with potential application in future commercial processing facilities.

Mineral	Value Chain Stage	Company Website
Rare earth elements	Processing/refining	ucore.com



Ucore Rare Metals Inc.

OTCQX: UURAF

TSXV: UCU

Red Chris

Project Description

The Red Chris Project is a copper-gold mining operation located in northwestern British Columbia and owned through a joint venture between Newmont and Imperial Metals and includes the planned development of an underground block cave mine. A pre-feasibility study for the underground expansion was completed in 2021.

Minerals	Value Chain Stage	Company Website
Copper, gold, silver	Mining extraction	newmont.com



Newmont Corp.

ASX: NEM

NYSE: NEM

PNGX: NEM

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Regen

Project Description

The Regen Project is a synthetic graphite recovery and processing project located in Welland, Ontario. The project is based on a reserve of previously extracted, processed, and banked synthetic graphite from legacy industrial sites and is intended to supply battery and industrial markets.

Minerals	Value Chain Stage	Company Website
Graphite, anode materials	Recycling and circular economy	regenresource.com

Regen Resource Recovery Corp.



Rio Tinto Fer et Titane Scandium Plant

Project Description

The Rio Tinto Fer et Titane Scandium Plant Project is an operating commercial-scale demonstration facility at Rio Tinto Fer et Titane's metallurgical complex in Sorel-Tracy, Quebec, that produces high-purity scandium oxide by recovering scandium from titanium dioxide production streams. The resulting scandium oxide is used in aluminum-scandium alloys, solid oxide fuel cells, 3D printing, and other industrial applications.

Mineral	Value Chain Stage	Company Website
Scandium	Recycling and circular economy	riotinto.com/en/can

Rio Tinto Group

ASX: RIO

LSE: RIO

NYSE: RIO



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Rook I

Project Description

The Rook I Project is a uranium mine and mill development project located in the western Athabasca Basin in northern Saskatchewan. The project includes an underground uranium mine and mill and is permitted to produce up to 30 million pounds of triuranium octoxide (U₃O₈) annually.

Mineral	Value Chain Stage	Company Website
Uranium	Mining extraction	nexgenenergy.ca

NexGen Energy Ltd.

ASX: NXG

NYSE: NXE

TSX: NXE



Rose

Project Description

The Rose Project is a lithium-tantalum project located in northern Quebec, on the territory of Eeyou Istchee James Bay. The project includes a proposed open-pit mine and ore processing facility to produce lithium and tantalum concentrates. Critical Elements Lithium has obtained permits for the project and is advancing engineering and development activities.

Minerals	Value Chain Stage	Company Website
Lithium, tantalum	Mining extraction	cecorp.ca

Critical Elements Lithium Corp.

FSE: F12

OTCQX: CRECF

TSXV: CRE



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Saint-Hubert Recycling Facility

Project Description

The Saint-Hubert Recycling Facility is a rare earth magnet demonstration plant located in Saint-Hubert, Quebec. The facility is designed to process 1.5 tonnes of magnet waste daily, including end-of-life magnets, production scraps, and machining waste. The project is intended to recover rare earth oxides and other materials from recycled magnet feedstock and is currently under construction.

Mineral	Value Chain Stage	Company Website
Rare earth elements	Recycling and circular economy	geomega.ca

Geomega Resources Inc.

OTCQB: GOMRF

TSXV: GMA



Scotia Mine

Project Description

The Scotia Mine Project is a zinc-lead mining project located near Halifax, Nova Scotia, with an existing zinc mine, mill, and supporting infrastructure. The site benefits from year-round access to transportation corridors, including nearby airport and port facilities. The project is currently undergoing permitting and development activities related to a proposed restart of mining operations.

Minerals	Value Chain Stage	Company Website
Zinc, lead	Mining extraction	edmresources.com

EDM Resources Inc.

FSE: P3Z

OTC: EDMFF

TSXV: EDM



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Seymour Project and Refinery

Project Description

The Seymour Project and Refinery is a proposed integrated lithium mining and processing development in northwestern Ontario. The project includes the Seymour project, a hard-rock lithium deposit near Armstrong, Ontario, and a proposed lithium hydroxide conversion facility in Thunder Bay, Ontario. The company's Western Hub mine and concentrator at Root Bay will also serve as additional feed for the Lithium Hydroxide Facility.

Mineral	Value Chain Stages	Company Website
Lithium	Mining extraction and processing/refining	greentm.com.au

Green Technology Metals Ltd.

ASX: GT1
OTCQX: GTMLF



Shaakichiuwaanaan

Project Description

The Shaakichiuwaanaan Project is a lithium, cesium, and tantalum development project located on the territory of Eeyou Istchee in the James Bay region of northern Quebec. The project includes a proposed hybrid open-pit and underground mine, ore processing and water treatment facilities, and associated infrastructure. It is currently undergoing provincial and federal environmental assessments, with feasibility and engineering studies continuing in support of project development.

Minerals	Value Chain Stage	Company Website
Lithium, cesium, tantalum	Mining extraction	pmet.ca

PMET Resources Inc.

ASX: PMT
FSE: R9GA
OTCQX: PMETF
TSX: PMET



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Strange Lake and Separation Plant

Project Description

The Strange Lake and Separation Plant Project is a rare earth elements development project located near Lac Brisson in Nunavik (northern Quebec), Inuit Nunangat. The project includes a proposed project open-pit mine and a concentration plant at the Strange Lake deposit, as well as a rare earth separation plant in Sept-Îles, Quebec. The project is undergoing environmental assessment, engineering, and feasibility study activities.

Mineral	Value Chain Stages	Company Website
Rare earth elements	Mining extraction and processing/refining	torngatmetals.com

Torngat Metals Ltd.



Troilus

Project Description

The Troilus Project is a large-scale gold-copper development project in central Quebec, located on the site of the former Troilus Mine. The Project is being advanced as a conventional open-pit operation with a 50,000-tonne-per-day processing rate and a mine life of more than 22 years, supported by substantial existing infrastructure. Basic engineering is complete, with detailed engineering, permitting, procurement and project financing advancing in parallel. Pending receipt of required final approvals, Troilus expects to begin construction in 2027, with production targeted for 2029.

Minerals	Value Chain Stage	Company Website
Copper, gold	Mining extraction	troilusmining.com

Troilus Mining Corp.

FSE: CM5

OTCQX: CHXMF

TSX: TLG



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Turnagain

Project Description

The Turnagain Project is a nickel-cobalt development project located in north-central British Columbia. The project includes a proposed conventional open-pit mine and processing facilities and contains nickel, cobalt, platinum and palladium. A pre-feasibility study was completed in 2023.

Minerals	Value Chain Stage	Company Website
Nickel, cobalt, palladium, platinum	Mining extraction	gigametals.com

Giga Metals Corp.

FSE: BRR2

OTCQB: GIGGF

TSXV: GIGA



Via TWO

Project Description

The Via TWO Project is a synthetic graphite production facility proposed for St. Thomas, Ontario. The facility is designed to produce synthetic graphite for use in lithium-ion batteries and other industrial applications. Vianode plans to use its graphite production technology at the facility, which is intended to supply North American battery and manufacturing supply chains. Ground preparation and site development activities are underway.

Minerals	Value Chain Stage	Company Website
Graphite, anode materials	Advanced materials and manufacturing	vianode.com

Vianode Canada Inc.



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Voisey's Bay (expansion)

Project Description

The Voisey's Bay Operation is a nickel, copper and cobalt mining operation located in Northern Labrador. The operation entered production in 2005 and includes a concentrator that produces nickel-copper-cobalt and copper concentrates. Today's operations include two underground mines as well as surface mining. Recent exploration programs at Voisey's Bay have extended mine life to approximately 2039, with orebodies remaining open at depth.

Minerals	Value Chain Stage	Company Website
Nickel, cobalt, copper	Mining extraction	vale.com

Vale Canada Ltd.

B3: VALE3

NYSE: VALE



Wheeler River

Project Description

The Wheeler River Project is a uranium development project located in the eastern Athabasca Basin of northern Saskatchewan. The project hosts the Phoenix and Gryphon uranium deposits and includes a proposed in situ recovery (ISR) uranium mining operation at Phoenix and a proposed underground mining operation at Gryphon. In 2026, Denison made its final investment decision for the Phoenix ISR portion of the project.

Mineral	Value Chain Stage	Company Website
Uranium	Mining extraction	denisonmines.com

Denison Mines Corp.

NYSE: DNN

TSX: DML



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Wicheeda

Project Description

The Wicheeda Project is a rare earth elements development project located northeast of Prince George, British Columbia. The project includes a proposed open-pit mine and processing facilities to produce rare earth concentrates and mixed rare earth carbonate products. A pre-feasibility study was completed in 2025.

Mineral	Value Chain Stage	Company Website
Rare earth elements	Mining extraction	defensemetals.com

Defense Metals Corp.

FSE: 35D
OTCQB: DFMTF
TSXV: DEFN



Worsley

Project Description

The Worsley Project is a helium exploration and development project located in northern Alberta. The project includes a helium-bearing gas well, associated infrastructure, and proposed helium processing facilities.

Mineral	Value Chain Stage	Company Website
Helium	Mining extraction	firsthelium.com

First Helium Inc.

OTC: FHELF
TSXV: HELI



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Yellowhead

Project Description

The Yellowhead Project is a proposed copper mining project located in the Thompson-Nicola region of British Columbia with average life of mine production of 178 million lb copper/year. The project includes a proposed open-pit mine with a 25-year mine life, mill, transmission line, and rail load-out facility.

Minerals	Value Chain Stage	Company Website
Copper, gold, silver	Mining extraction	trekormetals.com

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Trekor Metals Ltd.

LSE: TKO
NYSE: TGB
TSX: TKO



