

August 2023

Northern Saskatchewan Mineral Exploration Highlights

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Photo Credit:
Northern Saskatchewan
Stacey Dunn



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Northern Saskatchewan Mineral Exploration Highlights is a monthly publication featuring public information gleaned from company websites and news releases into one convenient package.

We have direct email circulation to over 465 companies and individuals involved in northern Saskatchewan mining, exploration services, education, and government as well as northern First Nations, towns, and villages.

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THE FRONT PAGE

NEWS

ONTARIO GOVERNMENT ANNOUNCES SUPPORT FOR NUCLEAR EXPANSION

World Nuclear News | world-nuclear-news.org

July 6, 2023

The province's government has announced it is starting pre-development work to build up to 4800 MWe of new nuclear capacity at Bruce Power's existing site, in what would be Canada's first large-scale nuclear build in more than 30 years.

Electricity demand in Ontario is rising for the first time since 2005, the government said. It has already implemented a plan to meet rising demand in the current decade, but Ontario's Independent Electricity System Operator (IESO) last year issued a report forecasting that the province could need to more than double its electricity generation capacity from today's 42,000 MWe to 88,000 MWe by 2050.

The IESO report recommended that Ontario begin planning, siting and environmental assessment work for long-lead assets, including nuclear power, as a "no regret" action towards meeting decarbonisation goals and increasing electricity demand driven by strong economic growth, electrification and population growth beyond 2030.

Bruce Power's eight existing Candu reactors already produce some 30% of Ontario's electricity, and the company said the site has space for "incremental infrastructure development". President and CEO Mike Rencheck said nuclear power had been the "stable backbone" of Ontario's electricity system for decades, and the long-term planning and consultation activities will determine how it can further contribute to Ontario's clean energy and economic development goals. The long-term planning and consultation activities will not impact the company's ongoing programme to secure the site's operation until 2064.

Minister of Energy Todd Smith said Ontario's "open for business approach" has led to "unprecedented" investments across the province. "With our plan already in place to meet demand this decade, we are starting the pre-development work to identify future generation options, including reliable, affordable and clean nuclear energy, that will power our province into the future," he said.

The process for approving and building new nuclear capacity could take a decade or longer, and federal approval is the first step in this process, the government said. The pre-development work will take several years to complete and will help evaluate the suitability of the site by examining the impacts of a new facility on the environment, the public and Indigenous communities, with significant public input and community consultations. It is also a prerequisite for the Canadian Nuclear Safety Commission's licensing process for a new large-scale reactor.

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NEWS

The Ministry of Energy said it is working with the IESO and Bruce Power on a contractual approach to address the costs associated with the pre-development work to minimise the impact on ratepayers and will also look for ways to use funds collected from the sale of clean energy credits through the Future Clean Electricity Fund to help reduce the costs for ratepayers.

Eighteen of Canada's 19 operating Candu reactors are in Ontario, where they provide around half the province's electricity. Although nuclear capacity played a key role in enabling the province to entirely phase out coal-fired electricity generation in 2014, plans for new large-scale reactors had been shelved in favour of projects by Bruce and Ontario Power Generation (OPG) to refurbish existing reactors to allow them to continue operating well beyond the middle of the century. The province is also - alongside Alberta, New Brunswick and Saskatchewan - pursuing a strategic plan to develop and deploy small modular reactors (SMRs), and OPG has begun site preparation for a grid-scale SMR at a site adjacent to its existing Darlington plant.

"Ontario's electricity system is already cleaner than California or Germany and the Bruce Power nuclear site was instrumental in helping to phase out coal and establishing Ontario's clean energy advantage," Dave Butters, president of the Association of Power Producers of Ontario, said. "Today's announcement to identify future generation options to meet rising electricity demand creates a tremendous option for the province both to meet our coming power needs, and support our transition to net-zero."

Bruce Power is located in the traditional and treaty territory of the Saugeen Ojibway Nation and the harvesting territories of the Métis Nation of Ontario and the Historic Saugeen Métis.

Researched and written by World Nuclear News

PERMITTING SUBMISSION MADE FOR NEW BRUNSWICK SMR

World Nuclear News | world-nuclear-news.org

July 7, 2023

NB Power, in partnership with ARC Clean Technology Canada Inc, has submitted an environmental impact assessment registration document and an application for a site preparation licence for an advanced small modular reactor (SMR) at the existing Point Lepreau nuclear site.

NB Power, operator of the existing Candu plant at Point Lepreau, recently published a strategic plan which highlights the need to phase out coal by 2030 and achieve net-zero electricity supply by 2035, while maintaining energy security.

THE FRONT PAGE

NEWS

The governments of Ontario, Saskatchewan, New Brunswick and Alberta in 2022 released a joint strategic plan setting out a path for developing and deploying SMRs. Deployment of ARC Clean Technology Canada Inc's ARC-100 100 MWe sodium-cooled fast reactor in New Brunswick, with a fully operational unit at the Point Lepreau site by 2029, is a key objective of Stream 2 of that plan, and the submission of the environmental impact assessment registration document to the Department of Environment and Local Government and an application for a Licence to Prepare Site to the Canadian Nuclear Safety Commission (CNSC) mark an important milestone for the project, the partners said.

"To transition to a cost-effective, clean and secure energy supply, we are exploring new ways of delivering energy to customers. Small modular reactors are part of the solution to reach our target of being net-zero by 2035 and ensure that we are meeting the needs of New Brunswickers today and into the future," NB Power President and CEO Lori Clark said.

"The milestone achieved today demonstrates that ARC and NB Power continue to be industry leaders in the development and deployment of advanced nuclear technology in Canada," said Bill Labbe, president and CEO of ARC Clean Technology Canada, Inc. "We have an unprecedented opportunity to grow the low-carbon economy of the future, and ARC looks forward to the open and transparent public licensing processes that are now beginning."

The ARC-100 is currently undergoing the second phase of the CNSC's pre-licensing Vendor Design Review process, having completed the first phase in 2019.

NB Power said it expects to develop strategic partnerships to support the construction and operation of the SMR.

Deployment of SMR technology has also been envisaged in northern New Brunswick, where the Belledune Port Authority has said an ARC-100 providing energy for hydrogen production and other industries could be in operation by 2030-2035.

THE FRONT PAGE

NEWS

FORAN AND PETER BALLANTYNE CREE NATION SIGN LANDMARK COLLABORATION AGREEMENT

Foran Mining Corp | foranmining.com
July 17, 2023

Vancouver, BC (July 17, 2023) - Foran Mining Corporation (TSX: FOM) (OTCQX: FMCXF) (“Foran” or the “Company”) and Peter Ballantyne Cree Nation (“PBCN”) are proud to announce the signing of a landmark Collaboration Agreement (the “Agreement”) between PBCN and Foran’s wholly-owned subsidiary, McIlvenna Bay Operating Ltd. (“MBO”). This pioneering partnership is a testament to a profound alignment of interests, encapsulating shared aspirations and deep respect for cultural heritage. This agreement embeds a commitment to sustainable growth and future prosperity, underpinned by principles of mutual respect and a dedication to fostering longevity across generations.

Conceived through a collaborative endeavor, this agreement strategically emphasizes education, paving the way for comprehensive upliftment of the PBCN community. By facilitating diverse training avenues, it aims to stimulate employment and business opportunities for PBCN members. Beyond these pillars, the agreement extends thoughtfully designed financial and economic benefits to further empower the PBCN community.

Dan Myerson, Foran’s Executive Chairman & CEO, commented “I am both excited and profoundly moved to announce this landmark Agreement with PBCN. This partnership is the result of truly listening to the local communities and responding with an unparalleled agreement that reflects these discussions. It speaks to our dedication to empowering the PBCN community, with a strong commitment to providing PBCN members with training and job opportunities and PBCN businesses with contracting opportunities. We believe that in order for a company to succeed over the long run, it must build deep and meaningful relationships with local rightsholders and stakeholders and prioritize those groups’ needs. This agreement with PBCN is not just about what we can achieve today, but what we can build for tomorrow. It’s more than a partnership; it’s a commitment to shared growth, prosperity, and a legacy of success for generations to come.”

“Our Creator granted us the inherent right to determine our own destiny. Part of realizing our destiny is restoring prosperity to our people. This agreement ensures that our Nation and our members can develop an economic base which provides prosperity and self-reliance while recognizing that we are stewards of our traditional lands”, said Karen Bird, Chief of PBCN. “The financial benefits from the McIlvenna Bay project will make an important contribution to improving the quality of life of our members. The employment and contracting opportunities will provide sustainable and transferable careers and business opportunities for both individual PBCN Members and PBCN Businesses. While it has taken a significant amount of effort by both parties to achieve the partnership we have today, it will endure through the life of the mine. PBCN will continue to take an active role, both in collaboration with Foran, through the MBO PBCN Environment Committee, and independently through our own community-led monitoring programs.” Foran and PBCN would like to express their gratitude for the patience, diligence, and perseverance shown by all participants throughout the negotiation process. This agreement stands as a testament to the power of collaboration and mutual respect.

SASKATCHEWAN HAS THE CRITICAL MINERALS TO FUEL AND FEED THE WORLD

Financial Times | ft.com

Saskatchewan has 23 of the 31 critical minerals Canada has identified as essential for global economic security, a growing population and a low-carbon future

With growing demand for the metals and minerals needed to transition to a clean energy economy, and increased focus on sustainable supply chains, companies are increasing exploration for critical minerals. Environmental, social and governance (ESG) considerations are increasingly on the minds of investors, who are seeking geopolitically safe jurisdictions that offer a skilled workforce and supportive governments.

Saskatchewan is already a producer of three critical minerals – potash, uranium, and helium. In fact, it is the world’s largest producer of potash, a leading global producer of uranium, and Canada’s largest producer of helium.

The province also holds significant potential to be a sustainable supplier of many other minerals essential for everyday life and modern technologies. The Canadian government has identified 31 critical minerals essential for global economic security, a growing population, and a low-carbon future. Saskatchewan is home to 23 of those minerals, which include lithium, cobalt, copper, nickel, zinc, and rare earth elements (REE) such as cerium, lanthanum, praseodymium and neodymium.

“These are exciting times for mineral exploration in our province, as our world-class mining sector continues to innovate, grow and diversify,” says Energy and Resources Minister Bronwyn Eyre.

Saskatchewan also has significant REE potential, with numerous under-explored occurrences, in a host of geological settings. One notable area of exploration is the Appia Rare Earths & Uranium Corp Alces Lake project. To bolster the industry, the province is funding a CA\$31m first-of-its-kind REE processing facility in the city of Saskatoon. The facility will act as a catalyst to stimulate the resource sector across Canada and in the province, providing the early-stage supply chain needed to generate cash flow, investment and industrial growth of the sector.

Saskatchewan is also positioned to become a leading producer of lithium. Lithium production in Saskatchewan would be different than long-established producers elsewhere in the world, as commercial production uses new brine extraction processes. Prairie Lithium Corp. has developed specialised technology to extract lithium within minutes from Saskatchewan mineral brines. In September 2021, the company drilled a well dedicated to lithium extraction, the first targeted lithium well in provincial history.

Saskatchewan is also incentivizing the development of helium. Canada currently has the world's fifth-largest helium resources with significant underground reserves found in the province. The Government of Saskatchewan released their Helium Action Plan in November 2021, which aims to secure 10 per cent of the global helium market by 2030. Saskatchewan is already home to North American Helium, Canada's largest purification facility. The province's unique geology enables extraction of helium from dedicated wells that yield high concentrations while generating low greenhouse gas emissions. The next steps for the Government of Saskatchewan are to continue supporting upstream development, and work with companies and investors to create a fully integrated helium liquefaction hub in the province.

Saskatchewan continues to be one of the best jurisdictions in the world for resource development. The Fraser Institute ranks the province as the most attractive jurisdiction in Canada for mining investment and the third highest globally. In 2022, Saskatchewan opened an international trade and investment office in London to facilitate critical mineral exploration and development investment opportunities for companies based in the UK and other European countries.



Southwestern Athabasca (SWA)



ATHA Energy announces this it has signed a definitive agreement with **Stallion Discoveries Corp**
Highlights include

- the agreement gives Stallion Discoveries the option to acquire 70% interest in 47 mineral claims covering 547,524 acres in the Athabasca Basin



F3 Uranium announces scintillometer results from four holes of the ongoing 30-hole summer drill program at the **JR Zone** on the **Patterson Lake North ("PLN")** Property, including 2 high grade intercepts in mineralized intervals that are both within 11m of the **Athabasca Unconformity**

Highlights include

- **PLN23-073** (line 060s): 11.5 m mineralization 215.5m - 232.0m, including 0.70m mineralization of >10,000 cps radioactivity between 225.00m - 225.70m including 0.50m off-scale radioactivity (> 65,535 cps) between 225.00m and 225.50m
- **PLN23-074** (line 075S): 15.0m mineralization from 225.0m - 240.0m, including 0.20m of mineralization >10,000 cps between 228.15 and 228.35m



Fission announces the appointment of **Kanan Sarioglu , P.Geo.**, as Vice President of Exploration "VP Exploration", replacing Ray Ashley.

Purepoint Uranium Group Inc.

Purepoint shares plans to advance drill ready projects in the Athabasca Basin including its **Smart Lake** and **Hook Lake** projects

Highlights include

- Drilling at **Hook Lake** (Q1 – 2024)
- Geophysics at **Smart Lake** (2024)
- Geophysical and mapping at **Tabbemor** Project (Summer 2023)
- Field work and drilling at **Red Willow** (Sep-Nov 2023)
- Drilling at **Carson** (Sep - Nov 2023)



Skyharbour announces that it has acquired by staking seven new prospective uranium exploration claims in Northern Saskatchewan

Highlights include

- Skyharbour's total land package increases to 518,302 ha (1,215,941 ac) across 24 projects
- **CBX Project**: additional five new contiguous claims totalling 6,804 ha linking the Company's former **CBX** and **Snow** projects
- **Karin Project**: one additional claim totalling 5,882 ha
- **914W Project**: new project totalling 1,260 ha



Stallion Discoveries announces the signing of definitive agreement with **ATHA Energy Corp**

Highlights include

- the agreement gives Stallion Discoveries the option to acquire 70% interest in 47 mineral claims covering 547,524 acres in the Athabasca Basin
- Should the option be exercised, Stallion Discoveries would hold an aggregate of 715,450 acres, which would form the largest contiguous land package in the **Western Athabasca Basin**



VALOR RESOURCES

Valor announces the sale of its Peruvian copper projects, allowing it to focus on its uranium and rare earth assets in the Athabasca Basin including its newly acquired **Beatty River Heavy Rare Earth/Uranium** project

Highlights include

- Acquired by staking the addition of the **Beatty River Heavy Rare Earth/Uranium** project (located 25 m south-west of its **Cluff Lake Uranium** Project); assays up to 8.75% TREO1 with up to 1.15% Dy2O3 reported from trenching and surface sampling by previous explorers. First field program schedule to commence in late 2023 to validate historical exploration results
- Drill planning underway at the **Hidden Bay Uranium** Project, located just 20 km south-southwest of the historic Rabbit Lake Mine
- Drill targets at **Hidden Bay** comprise radon-in-soil anomalies, partly coincident with gravity anomalies and located close to the Athabasca unconformity, with potential for both basement-hosted and Athabasca sandstone-hosted uranium deposits
- Drilling being planned for Q1 2024 at **Hidden Bay**



92 Energy announces three new uranium exploration projects acquired through competitive staking in the Athabasca Basin. 92 Energy also announces new drilling program to start at **Gemini** uranium discovery

Highlights include

- Acquired the **Murphy** Project which consists of three non-contiguous claim blocks located in the eastern Athabasca Basin, approximately 15 km southwest of **IsoEnergy's Hurricane** uranium deposit. Also acquired the **Cable** and **Snowbird** Projects which are located near the south-central margin of the Athabasca Basin and overlie two major structural trends, the **Cable Bay Shear Zone** and **Snowbird Tectonic Zone**, respectively.
- Drilling at **Gemini** will follow-up high-grade intersections grading up to 9.66% U₃O₈ and uranium mineralisation 280m north of discovery area where **GEM23-053** returned 0.5m of 0.14% U₃O₈, associated with intense hydrothermal alteration and structural disruption
- Planning for the **Gemini** summer 2023 drill program was completed, with drilling set to commence in early August 2023.
- Drilling will follow up on mineralisation discovered during the **Gemini** winter 2023 drilling campaign, including the high-grade uranium mineralisation at the **Gemini Uranium Discovery**



Baselode Energy provides an update of the diamond drilling program on the **ACKIO** high-grade uranium zone as part of the larger program for the Hook project

Highlights include

- 1,019 cps (as measured with handheld RS-125 Gamma Ray Spectrometer/Scintillometer) over 35.75 m starting at 36 m beneath surface in **AK23-095**
- Five drill holes with greater than 20 metres of elevated radioactivity
- 15 drill holes (3,214 metres) completed to date
- The program continues to drill; 10,000 metres of diamond drilling are planned and budgeted for the **ACKIO/Hook** 2023 summer program



Basin announces that it has acquired through staking two claims which have been added to the **Geikie Uranium** Project

Highlights include

- Two claims for a total area of 11.87 km² added to the project area bringing the total **Geikie** project area to over 351 km²
- Claims are adjacent to current maiden exploration drilling program and contain continuations to the current drilling targets
- **Geotech** contracted to expand existing Versatile Time Domain Electromagnetic data coverage to include new claim area
- Drilling is currently underway at **Geikie** with an initial 2,000 metres for 8 drill holes



CanAlaska reports assay results have been received from the 2023 winter drill program completed by the **Moon Lake South Joint Venture** ("MLSJV")

Highlights include

- MLSJV is 75% owned and operated by **Denison Mines Corp.** and CanAlaska holds a 25% ownership
- Geochemical assay results returned a high-grade intersection grading 2.46% U₃O₈ over 8.0 metres
- includes 3.71% U₃O₈ over 4.5 metres in drill hole **MS-23-10A**
- MLSJV has doubled the 2023 exploration budget with the approval of a newly planned supplemental drill program that will test for extensions of the high-grade uranium mineralization intersected this winter

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Purepoint shares plans to advance drill ready projects in the Athabasca Basin including its **Tabbernor**, **Red Willow**, and **Carson** projects

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- Drilling at **Hook Lake** (Q1 – 2024)
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Terra announces initial findings at maiden drill program at its **Parker** Project

Highlights include

- Diamond drill hole **PK23-DD-01A** intersected 1.5m of elevated radioactivity (>400 counts per second cps) with a high of 2,000 cps at the unconformity
- A fault structure with pyrite and silica was intersected 30m below the basement unconformity.
- This is the maiden diamond drill hole for **T92**, the first in the **Parker Lake** Project area and the first within this 25 km zone of ZTEM basement conductors on this section of the **Cable Bay Shear Zone**. This is the first of 5 targets along this zone to be tested
- The core has been sampled and sent for geochemical analysis, with results expected in August
- Further work is planned for the next few months including Ambient Noise Tomography (ANT) surveys and reconnaissance sampling and mapping, reprocessing all layers of geophysical data (gravity, magnetics and EM)
- The **Parker** Project is approximately 50km west of **Cigar Lake** and 50km north-west of **McArthur River**

River



Trench Metals announces the interpretation results obtained the Sentinel-2 visible/near infrared [VNIR] and shortwave [SWIR] satellite study conducted over the company's **Higginson Lake Uranium Project**

Highlights include

- Zone 1: strong correlation between the observed radioactive deposits, historical data, and the satellite imagery further validates the potential of Zone 1
- Zone 2: satellite study highlights the strong relationship between Zone 2 and uranium mineralization, providing compelling evidence for further exploration
- Zone 3: encompasses the **Higginson U-3c** Lake showing, reinforcing the presence of uranium mineralization within this specific geological unit
- These large-scale trends identified will serve as a guide for the 2023 exploration team



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- Drilling being planned for Q1 2024 at **Hidden Bay**



La Ronge, Flin Flon (LAF)



Fathom announces that it has acquired an additional claim through staking. Fathom also announces identification of new zones of conductivity along **Strike** NE and SW of the historic **Gochager Lake deposit**

Highlights include

- **New Disposition** acquired through direct staking adds 3,060 ha to the contiguous land package at **Gochager Lake** (now totalling 22,620 ha)
- The TDEM survey at **Strike** covered approximately 1km² and defined a moderate-strength zone of conductivity directly over top of the historic **Gochager Lake deposit**. This conductive trend extends both to the SW and to the NE of the deposit area
- In addition, newly identified zones of conductivity occur to the north, north-northeast, and eastsoutheast of the **Gochager Lake deposit** area
- The second phase of BHEM surveys utilized multiple loop configurations to change coupling angles for each hole surveyed and to ultimately better image the conductivity zones recognized in the first phase of BHEM. Both BHEM programs have identified at least 4 separate conductive zones in the area of Fathom's Q1-2023 drilling, with several lying outside the historical **Gochager Lake deposit**



Forum Energy Metals announces that it has commenced a ground electromagnetic and magnetic survey on its **Still Nickel** Project

Highlights include

- **Still Nickel** Project located 35km northwest of La Ronge, Saskatchewan
- The central area of the property identified anomalous soil geochemistry which is to be surveyed by a ground geophysical survey. A total of 24 line kilometres of Max-Min (HLEM) survey and 14.8 line kilometres of GPS walking magnetometer survey are planned to cover the area of interest
- Results are expected in September and are intended to identify drill targets



Foran announces signing of landmark Collaboration Agreement between **Peter Ballantyne Cree Nation** and Foran's wholly-owned subsidiary, **Mcllvenna Bay Operating Ltd.**



Hudbay announces the signing of MOU with **Marubeni Corporation**

Highlights include

- establishes the framework for a multi-year partnership focused on the discovery of new deposits within trucking distance of Hudbay's existing processing facilities in Flin Flon
- partnership provides **Marubeni, Copper Mining Dept.** exploration access to the Flin Flon Greenstone belt



Appia announces it has completed the first phase of its 2023 drill program at the **Magnet Ridge Zone**

Highlights include

- Drilling at the southern extension of **Magnet Ridge** ended as of June 24, 2023, with 11 drill holes completed for a total of 1,223 metres. Five of the drill holes hit significant mineralization intersections up to 19.00 m core intersection width, with two of these drill holes hitting multiple intersections, similar to nearby drill holes from the 2022 program
- The mineralization ends abruptly due to a east-northeast cross-structure (i.e., a fault that is interpreted from geophysics/DDH observations to offset the mineralization vertically down dip)
- The drill has now moved to the newly discovered **Jesse Zone**, and is now at pad collar 1 to drill the first holes
- Split core samples are ready for shipment to the SRC Geo-Analytical Lab in Saskatoon for geo-chemical assaying



F3 Uranium announces that the **Hearty Bay** fall 2022 and winter 2023 till sampling and prospecting programs resulted in the discovery of two linear dispersal patterns of uranium in subglacial till on **Isle Brochet**, and six new radioactive boulders

Highlights include

- discovered radioactive boulders assayed up to 4.23% U3O8
- program aimed to determine the source area for previously identified **Isle Brochet** uriferous boulders (with assay values up to 8.23%); interpreted to have been glacially entrained from the Athabasca Basin boundary and transported onto the island



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COMMODITIES AT A GLANCE

URANIUM

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- program aimed to determine the source area for previously identified **Isle Brochet** uriferous boulders (with assay values up to 8.23%); interpreted to have been glacially entrained from the Athabasca Basin boundary and transported onto the island

Fission Uranium Corp announces the appointment of **Kanan Sarioglu , P.Geo.**, as Vice President of Exploration "VP Exploration", replacing Ray Ashley.

Purepoint Uranium Group Inc shares plans to advance drill ready projects in the Athabasca Basin

Highlights include

- Drilling at **Hook Lake** (Q1 – 2024)
- Geophysics at **Smart Lake** (2024)
- Geophysical and mapping at **Tabbernor** Project (Summer 2023)
- Field work and drilling at **Red Willow** (Sep-Nov 2023)
- Drilling at **Carson** (Sep - Nov 2023)

COMMODITIES AT A GLANCE

Skyharbour Resources Ltd announces that it has acquired by staking seven new prospective uranium exploration claims in Northern Saskatchewan

Highlights include

- Skyharbour's total land package increases to 518,302 ha (1,215,941 ac) across 24 projects
- **CBX Project**: additional five new contiguous claims totalling 6,804 ha linking the Company's former **CBX** and **Snow** projects
- **Karin Project**: one additional claim totalling 5,882 ha
- **914W Project**: new project totalling 1,260 ha

Stallion Discoveries Corp announces the signing of definitive agreement with **ATHA Energy Corp**

Highlights include

- the agreement gives Stallion Discoveries the option to acquire 70% interest in 47 mineral claims covering 547,524 acres in the Athabasca Basin
- Should the option be exercised, Stallion Discoveries would hold an aggregate of 715,450 acres, which would form the largest contiguous land package in the **Western Athabasca Basin**

Terra Uranium Ltd announces initial findings at maiden drill program at its **Parker Project**

Highlights include

- Diamond drill hole **PK23-DD-01A** intersected 1.5m of elevated radioactivity (>400 counts per second cps) with a high of 2,000 cps at the unconformity
- A fault structure with pyrite and silica was intersected 30m below the basement unconformity.
- This is the maiden diamond drill hole for **T92**, the first in the **Parker Lake** Project area and the first within this 25 km zone of ZTEM basement conductors on this section of the **Cable Bay Shear Zone**. This is the first of 5 targets along this zone to be tested
- The core has been sampled and sent for geochemical analysis, with results expected in August
- Further work is planned for the next few months including Ambient Noise Tomography (ANT) surveys and reconnaissance sampling and mapping, reprocessing all layers of geophysical data (gravity, magnetics and EM)
- The **Parker Project** is approximately 50km west of **Cigar Lake** and 50km north-west of **McArthur Rive**

Traction Uranium Corp announces that the **Hearty Bay** fall 2022 and winter 2023 till sampling and prospecting programs resulted in the discovery of two linear dispersal patterns of uranium in sub-glacial till on **Isle Brochet**, and six new radioactive boulders

Highlights include

- discovered radioactive boulders assayed up to 4.23% U3O8
- program aimed to determine the source area for previously identified **Isle Brochet** uriferous boulders (with assay values up to 8.23%); interpreted to have been glacially entrained from the Athabasca Basin boundary and transported onto the island

COMMODITIES AT A GLANCE

Trench Metals Corp announces the interpretation results obtained the Sentinel-2 visible/near infrared [VNIR] and shortwave [SWIR] satellite study conducted over the company's **Higginson Lake Uranium Project**

Highlights include

- Zone 1: strong correlation between the observed radioactive deposits, historical data, and the satellite imagery further validates the potential of Zone 1
- Zone 2: satellite study highlights the strong relationship between Zone 2 and uranium mineralization, providing compelling evidence for further exploration
- Zone 3: encompasses the **Higginson U-3c** Lake showing, reinforcing the presence of uranium mineralization within this specific geological unit
- These large-scale trends identified will serve as a guide for the 2023 exploration team

Valor Resources Ltd announces the sale of its Peruvian copper projects, allowing it to focus on its uranium and rare earth assets in the Athabasca Basin

Highlights include

- Acquired by staking the addition of the **Beatty River Heavy Rare Earth/Uranium** project (located 25 m south-west of its **Cluff Lake Uranium Project**); assays up to 8.75% TREO1 with up to 1.15% Dy2O3 reported from trenching and surface sampling by previous explorers. First field program schedule to commence in late 2023 to validate historical exploration results
- Drill planning underway at the **Hidden Bay Uranium Project**, located just 20 km south-southwest of the historic Rabbit Lake Mine
- Drill targets at **Hidden Bay** comprise radon-in-soil anomalies, partly coincident with gravity anomalies and located close to the Athabasca unconformity, with potential for both basement-hosted and Athabasca sandstone-hosted uranium deposits
- Drilling being planned for Q1 2024 at **Hidden Bay**

BASE METALS

Fathom Nickel Inc announces that it has acquired an additional claim through staking. Fathom also announces identification of new zones of conductivity along **Strike** NE and SW of the historic **Gochager Lake deposit**

Highlights include

- New Disposition acquired through direct staking adds 3,060 ha to the contiguous land package at Gochager Lake (now totalling 22,620 ha)
- The TDEM survey at **Strike** covered approximately 1km² and defined a moderate-strength zone of conductivity directly over top of the historic **Gochager Lake deposit**. This conductive trend extends both to the SW and to the NE of the deposit area
- In addition, newly identified zones of conductivity occur to the north, north-northeast, and eastsoutheast of the **Gochager Lake deposit** area

Foran Mining Corp announces signing of landmark Collaboration Agreement between **Peter Balfantyne Cree Nation** and Foran's wholly-owned subsidiary, **McIlvenna Bay Operating Ltd.**

COMMODITIES AT A GLANCE

Forum Energy Metals Corp announces that it has commenced a ground electromagnetic and magnetic survey on its **Still Nickel** Project

Highlights include

- **Still Nickel** Project located 35km northwest of La Ronge, Saskatchewan
- The central area of the property identified anomalous soil geochemistry which is to be surveyed by a ground geophysical survey. A total of 24 line kilometres of Max-Min (HLEM) survey and 14.8 line kilometres of GPS walking magnetometer survey are planned to cover the area of interest
- Results are expected in September and are intended to identify drill targets

Hudbay Minerals Inc announces the signing of MOU with **Marubeni Corporation**

Highlights include

- establishes the framework for a multi-year partnership focused on the discovery of new deposits within trucking distance of Hudbay's existing processing facilities in Flin Flon
- partnership provides **Marubeni, Copper Mining Dept.** exploration access to the Flin Flon Greenstone belt

RARE EARTH ELEMENTS (REEs)

TREO=Total Rare Earth

Oxides=Ce2O3+Dy2O3+Er2O3+Eu2O3+Gd2O3+Ho2O3+La2O3+Nd2O3+Pr6O11+Sm2O3+Tb4O7+Yb2O3

Appia Rare Earths and Uranium Corp announces it has completed the first phase of its 2023 drill program at the **Magnet Ridge Zone**

Highlights include

- Drilling at the southern extension of **Magnet Ridge** ended as of June 24, 2023, with 11 drill holes completed for a total of 1,223 metres. Five of the drill holes hit significant mineralization intersections up to 19.00 m core intersection width, with two of these drill holes hitting multiple intersections, similar to nearby drill holes from the 2022 program
- The mineralization ends abruptly due to a east-northeast cross-structure (i.e., a fault that is interpreted from geophysics/DDH observations to offset the mineralization vertically down dip)
- The drill has now moved to the newly discovered **Jesse Zone**, and is now at pad collar 1 to drill the first holes.
- Split core samples are ready for shipment to the SRC Geo-Analytical Lab in Saskatoon for geochemical assaying.

COMMODITIES AT A GLANCE

Valor Resources Inc announces the sale of its Peruvian copper projects, allowing it to focus on its uranium and rare earth assets in the Athabasca Basin including its newly acquired **Beatty River Heavy Rare Earth/Uranium** project

Highlights include

- Acquired by staking the addition of the **Beatty River Heavy Rare Earth/Uranium** project (located 25 m south-west of its **Cluff Lake Uranium** Project); assays up to 8.75% TREO1 with up to 1.15% Dy2O3 reported from trenching and surface sampling by previous explorers. First field program schedule to commence in late 2023 to validate historical exploration results

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- **Vass Lake** is a copper-zinc-gold VMS terrane consisting of 7 claims totaling 2,435 ha
 - ◆ only 20 km Northwest of Flin Flon & 7 km North of Highway 106
 - ◆ Kisseynew domain gneisses - high grade equivalents of the Flin Flon belt?
 - ◆ semi-massive pyrite, pyrrhotite, chalcopyrite, sphalerite traced for 775 meters
 - ◆ drilling in 1967 returned 7.3m of 0.54% Cu including 0.95% Cu over 1.5m
 - ◆ BHP-Utah Mines Ltd. drilling intersected a 17.9m wide alteration zone with 0.40% Cu & 0.12% Zn over 10.14m including 0.83% Cu & 0.49 g/t Au over 1.02m
 - ◆ recent DPEM survey rated a 'very strong' conductor deeper than any previous drilling
- **Hamell Lake** is a copper-zinc-gold VMS terrane consisting of 5 claims totaling 1,975 ha
 - ◆ only 6 km Northwest of Flin Flon, highway and powerline run through the property
- **Glifford Bay** is a copper-zinc-gold VMS terrane consisting of 7 claims totaling 3,966 ha
 - ◆ Schotts Lake Cu-Zn deposit 24 Mlbs Cu & 53 Mlbs Zn 3 km to the East
 - ◆ drilled by BHP-Utah Mines, 0.44% Cu over 2.5m & 1.07% Cu over 0.61m
- **Welk Lake** is an 'orogenic' style gold terrane consisting of 14 claims totaling 3,909 ha
 - ◆ 44 km North of La Ronge, highway and powerline run through the property
 - ◆ located in the Southern La Ronge domain - host to several former producers
 - ◆ sandwiched between the Bartlett Lake Fault & the McLennan Lake Thrust Fault
 - ◆ North Lake Deposit 484,000 ounces gold indicated and inferred 3.8 km to East
 - ◆ Contact Lake former producer 190,000 ounces gold is 3 km to Southeast
 - ◆ four prospective gold zones actively being explored within the property

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