

October 2023

Northern Saskatchewan Mineral Exploration Highlights

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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.

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THE FRONT PAGE

NEWS

DENISON ANNOUNCES SIGNING OF LANDMARK SHARED PROSPERITY AGREEMENT WITH ENGLISH RIVER FIRST NATION

Denison Mines Corp. | newswire.ca
September 27, 2023

TORONTO, Sept. 27, 2023 /CNW/ - Denison Mines Corp. ("Denison" or the "Company") (TSX: DML) (NYSE American: DNN) is proud to announce the signing of a Shared Prosperity Agreement ("SPA") with English River First Nation ("ERFN") supporting the development and operation of Denison's Wheeler River Project in northern Saskatchewan (the 'Project'). The SPA received support from a substantial majority of ERFN Members who participated in a ratification vote on its key terms. [View PDF Version](#)

The signing of the SPA follows years of active engagement, including a four-month-long ERFN-led community consultation process ahead of the ratification vote, and represents a significant milestone in the history of both Denison's relationship with ERFN and the Project.

The SPA acknowledges that the Project is located within ERFN's Ancestral Lands and provides Denison with ERFN's consent to advance the Project. Additionally, the SPA outlines a shared recognition that ERFN is the Knowledge Keeper of the culture, ways, customs, and values of ERFN in relation to the environment and its Members and reflects ERFN's desire to prioritize sustainability. Amongst other key commitments, the SPA provides ERFN and its Members with (i) an important role in environmental monitoring and management, and (ii) benefits from community investment, business opportunities, employment and training opportunities, and financial compensation. Overall, the SPA describes a mutual commitment to maintain an open, respectful, and cooperative relationship between Denison and ERFN to ensure mutual prosperity as the development and operation of the Project progresses.

Acting Chief Jenny Wolverine stated, "On behalf of ERFN I would like to express my gratitude for the patience, diligence, and perseverance shown by all participants throughout the negotiation process. This agreement stands as a testament to meaningful collaboration and mutual respect. We worked hard to secure the best team to support ERFN through these negotiations. This included strong legal counsel to negotiate the agreement, scientists to help us understand the environmental impacts, and consultants to review the impacts and benefits of the Wheeler River project. Together we built a strong deal for the Nation. We are confident that based on the size of the project and current best practices we have one of the best agreements in the entire country. As a Nation, we are now turning our attention to building our capacity for employment and training, so we are ready for the Wheeler River project and the full implementation of this important partnership."

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Elder Isidore Campbell shared his pride in being a part of the negotiating team, "I felt very comfortable with the process. As an Elder, it was important to me that the entire process was honest. Denison has accommodated us to our expectations. The agreement puts our Nation in a good position; it's going to have a positive impact."

David Cates, President & CEO of Denison, stated "Guided by the principles of Denison's Indigenous Peoples Policy, we sought to develop an agreement with ERFN that could meaningfully contribute to advancing reconciliation with Indigenous peoples in Canada. To achieve this, we listened to the interests of the Nation and worked together to obtain a mutual appreciation of the impacts and benefits of the Project. We are very pleased to have earned the support of ERFN and to announce that we have reached an agreement where ERFN consents to the advancement of the Project.

We look forward to a long and mutually beneficial relationship with ERFN and extend our sincere gratitude to the leadership of ERFN, for their commitment to open dialogue and productive negotiations, as well as the ERFN Members that were meaningfully involved in the negotiation and ratification process."

URANIUM PRICES HIT DECADE HIGH

Mining Technology writer Alfie Shaw | mining-technology.com
September 13, 2023

Uranium scaled \$60 per pound last Friday, for the first time since 2011. Uranium prices have risen by 20% so far in 2023, according to the World Nuclear Association (WNA) biennial report. Demand for the metal has risen in recent times due to its application in nuclear energy production and the increasing popularity of nuclear as a renewable energy resource, even among sceptics. Uranium has outperformed the price rise of other metals so far this year.

The WNA has also predicted world reactor requirements for uranium will reach nearly 130,000 tonnes (t) in 2040, up from an estimated 65,650t in 2023. The capacity of operable nuclear plants is predicted to be 686GW by 2040, an upward revision from the 615GW the report estimated in 2021.

China is in large part driving the increase in demand for nuclear energy. In 2020, the nation overtook France to become the world's second-largest producer, with an operating capacity of 96GW, according to official data. It currently has 38 nuclear power reactors in operation and 19 under construction. The National Energy Administration, China's energy regulator, is expected to set the country's nuclear capacity target to 120–150 GW by 2030, up from 38GW in 2017. This has prompted the International Atomic Agency to describe China as "the world's fastest expanding nuclear power producer".

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Construction of small modular reactors (SMRs) has also contributed to the price rise of uranium. SMRs are smaller than traditional nuclear power plants with a power capacity of up to 300MW but take less time and money to build.

Russia is a leader in the field with two floating SMR reactors entering commercial operation in 2020. The WNA predicts the capacity of SMRs globally will reach 31GW by 2040.

ALBERTA FUNDS SMR DEPLOYMENT STUDY

World Nuclear News | world-nuclear-news.org

September 21, 2023

The bitumen in Alberta's oil sands represent one of the world's largest proven oil reserves, but must be mined or heated underground using steam. SMRs could potentially supply non-emitting process heat and power to oil sands operations - which are typically in off-grid locations - in the years to come.

The funds from Alberta's Technology Innovation and Emissions Reduction Fund will be provided via Emissions Reduction Alberta to support a CAD26.7 million enabling study by Calgary-based Cenovus Energy, taking a more in-depth look at how SMRs could be used, and what information would be needed to pursue regulatory approval in the future. It will build on an early-stage feasibility study on the use of SMRs in steam-assisted gravity drainage operations in oil sands which was prepared by Hatch Ltd for Alberta Innovates, Cenovus and TC Energy and published in August.

Alberta joined the provinces of New Brunswick, Ontario and Saskatchewan as a signatory to a Memorandum of Understanding to collaborate on SMR development in 2021 and has more recently signed memorandums of understanding with several SMR developers including ARC Clean Technology, X-Energy and the Korea Atomic Energy Research Institute.

"A few years ago, the idea of expanding nuclear energy use was on the back burner - that is no longer the case," said Rebecca Schulz, Alberta's Minister of Environment and Protected Areas. "In Alberta, small modular nuclear reactors have the potential to supply heat and power to the oil sands, simultaneously reducing emissions and supporting Alberta's energy future. This funding is the foundation for that promising future."

Emissions Reduction Alberta CEO Justin Riemer said SMRs have "great potential" to supply non-emitting energy in many different applications. "Further studies like this are needed to see if the technology is suitable for those industrial applications. If so, it could be transformational for the in-situ oil sands sector and other sectors in Alberta," he said.

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The adoption of SMR technology in Alberta - which does not currently have any nuclear generating capacity - would require an extensive regulatory and engagement process, but the province said it is "currently working to ensure the regulatory framework is in place and ready should private industry pursue this technology."

A working group on emissions reductions set up by the government of Alberta and the Canadian federal government has agreed to commence the development of a regulatory framework for SMR technology. The Canadian Nuclear Safety Commission regulates all stages of life of nuclear power plants in Canada.

Researched and written by World Nuclear News



Cosa announces the expansion of its **Ursa Project** and the acquisition of the 100% owned **Polaris** and **Eclipse** uranium exploration properties

Highlights include:

- **Ursa** expanded to **60,599 ha** with two new claims totaling **3530 ha**
- **Polaris** covers **3290 ha** and 9km of prospective magnetic low zones near the SWA
- **Eclipse** covers **1622 ha** in the Eastern Athabasca Basin with thin sandstone cover



F3 Uranium announces results from thirteen holes of the ongoing summer drill program on the **Paterson Lake North (PLN) Property**

Highlights include:

- **PLN23-090 (line 120S):** 14.0m composite mineralization from 231.5m – 248.5m including 0.50m off-scale radioactivity (>65,535 cps) between 240.0m and 240.5m
- **PLN23-097 (line 045S):** 11.0m mineralization from 212.5m – 223.5m, including 2.69m composite mineralization of >10,000 cps radioactivity between 215.65m – 224.24m including 0.25m off-scale radioactivity (>65,535 cps) between 219.75m and 220.0m
- **PLN23-093 (line 3450S), A1B Shear Zone:** 75.0m cumulative core loss in Athabasca Sandstone between 140.0m and 287.0m. Approximately 100m up-dip of the **A1B Main Shear** projection to the unconformity. Indicative of large scale sandstone dissolution due to intense alteration above the projected A1B shear zone
- **PLN23-095 (line 2610S), A1B Shear Zone:** 0.5m radioactivity of 300 cps from 610.0m to 610.5m. First occurrence of anomalous radioactivity, approximately 100m past the main **A1B Shear Zone** within the 50m wide **A1B Shear Zone** complex



Kiplin Metals announces that it has entered into an agreement with **Lloyd Lake Uranium Corp.** to acquire **Lloyd Lake Uranium Project**.

Highlights include:

- **Lloyd Lake Uranium Project** spans 6,177 ha and is located 27 km S of the Southern boundary of the Athabasca Basin
- the key exploration zones is an 8km corridor characterized by magnetic low which aligns with a structural break, a locale where anomalous radioactivity has been detected.
- following completion of the acquisition, Kiplin plans to conduct an exploration and development program to further understand the potential of the **Lloyd Lake Uranium Project**



Purepoint Uranium states plans for advancing several projects towards a discovery

Highlights include:

- drilling at **Hook Lake**: Q1-2024
- geophysics at **Smart Lake**: 2024
- geophysics and mapping at **Tabbemor**
- field work and drilling at **Red Willow**
- drilling at **Carson**



SKRR Exploration announces that a review of the previous exploration work is currently underway as well as a reassessment of the untested drill targets on the **Clearwater West Property**

Highlights include:

- application for the work permits for the planned winter 2023 exploration work has been submitted
- SKRR previously entered into a property option agreement with **F3 Uranium Corp.** whereby SKRR has an option to acquire up to a 70% interest in the **Clearwater West Property**
- the Clearwater West Property is comprised of 3 contiguous mineral claims totaling **11,786 ha** which are immediately S and adjacent to **Fission Uranium's PLS property**



Stallion Discoveries announces the results on key projects from the **5,200 line-kilometre** VTEM Plus survey completed last winter

Highlight include:

- several prospective areas across Stallion's projects were identified in the regional EM survey; the EM anomalies identified by **Condor** will be followed up on with ground EM survey this fall
- also identified were multiple structural complexities, as well as coincident magnetic lows, which have been known to represent uranium alteration; they will be delineated and advanced for Stallion's maiden drill program
- Four target zones have been identified to be followed up with exploration this fall and winter
- Phase 1 fall/winter exploration plan: TDEM survey covering **142 line-kms** over the **Coffer project**; complete a **5,500 line-km** regional inductive passive EM survey over **Atha Energy JV Projects**
- Phase 2 fall/winter exploration plan: diamond drilling totaling **3,000 m** on the **Coffer Project**; diamond drilling totaling **1,500 m** on the **Gunter Lake Project**



Eastern Athabasca (EA)



92 Energy announces that drilling has hit parallel mineralized structure at **Gemini Uranium Discovery**

Highlights include:

- drilling has discovered new parallel structure with intense hydrothermal alteration, uranium pathfinders and **2.2m of 0.08%** of eU₃O₈, incl. **0.5m of 0.12%** eU₃O₈
- located 300m E of the **Gemini Mineralized Zone “the GMZ”**
- considered highly promising with potential for new zones to be discovered along this trend
- drilling program also included four holes at the GMZ, which returned significant intersections, including: 27.6m of composite mineralization, incl. **17.6m of 0.43%** eU₃O₈ with one subinterval of **1.2%** eU₃O₈ over **0.2m in GEM23-072A**; 11.3m of composite mineralization, incl. **0.62%** eU₃O₈ over **0.4m in GEM23-069A**; **2.4m** of composite mineralization in **GEM23-066**, which extended the mineralization **50m** down-dip at the **GMZ**
- uranium mineralization at the **GMZ** is now defined over **250m x 290m**



ALX Resources announces it has received an exploration permit from the Government of Saskatchewan to include prospecting, geological mapping and ground geophysical surveys at its 100% owned **McKenzie Lake Uranium Project**

Highlight include:

- low-impact, surface exploration permit on **McKenzie Lake** as follow-up to a high-resolution magnetic and radiometric airborne survey and an initial site visit. AI technology was also used to assist in the selection of target areas for surface prospecting
- three samples of interest were collect from boulder fields in the site visit; samples **149616 (844 ppm U-total, uranium assay was 0.101% U₃O₈)**, **149617 (273 ppm U-total)** and **149618 (259 ppm U-total)**. These uranium results, in particular the **844 ppm U-total** (and corresponding **797 ppm U-partial**) in sample **149616** are anomalous and warrant further investigation.



ATHA Energy announces results from its large-scale EM surveys at its 100% owned **North Terra Project and North Pinnacle Project**

Highlights include:

- Axiom's Xcite™ Heli TDEM survey was successfully deployed at the **North Pinnacle and North Terra Projects**, with a total of **7,166-line km** flown in 2 blocks
- numerous conductors with interpreted cross-cutting structures were identified in both projects, which are indicative of traps capable of hosting uranium mineralization and in total, 20 km of high priority conductive lineaments have been identified within the **North Terra and North Pinnacle Projects**
- at the **North Terra Project**, some prospective targets were identified within 20 km in both directions from Fond du Lake, a historical unconformity-type uranium zone discovered along the same structural corridor in the 1970s
- **Grease River Shear Zone** which crosses both of the **North Terra and North Pinnacle Projects** has a number of identified uranium occurrences, included the **Fond du Lac Zone**



Baselode Energy confirms new uranium mineralization at depth at **ACKIO**; announces the results from 11 drill holes of the 7,500m diamond drilling program

Highlights include:

- 36 drill holes over **7,512m** were completed. 30 drill holes for **6,193m** at **ACKIO**, 5 drill holes for **1,145m** at **Mirror**, and 1 drill hole for **174m** on a **regional exploration target**
- Drill holes **AK23-90** and **AK23-91** confirmed mineralization starting at **72m** and **82m** below surface, respectively, demonstrating shallow mineralization is prevalent in other Pods at **ACKIO**
- the remainder of the drill hole assay result were all intersected between **130** and **225m** below surface, demonstrating uranium mineralization is prevalent at depth at **ACKIO**
- four of the reported drill holes (**AK23-84 to AK23-88**, excluding **AK23-87**) all intersected high-grade uranium mineralization (i.e. **>0.50% U3O8**) over a minimum width of **0.5m** core length
- three drill holes (**AK23-82, AK23-86, AK23-88**) all intersected continuous mineralization over **10m** core length, demonstrating thick mineralized zones at depth



Basin Energy announces unconformity uranium targets identified at **North Millenium** and priority targets have been identified at **Marshall Uranium Project**. Basin also announces that it has intersected uranium mineralization up to **0.27%** in maiden drilling at **Geikie Project** (60%-owned Basin Energy, 40% -owned CanAlaska).

Highlights include:

- Five-kilometre target corridor defined at **North Millennium** located along interpreted fault extension, host of Cameco's **Millennium uranium deposit**
- Multiple anomalies identified above and below the Athabasca unconformity in both sandstone and basement stratigraphy at **Marshall**
- maiden drilling program at **Geikie** intersects anomalous uranium in four of the eight holes drilled. Significant intersections include: **0.5m at 0.27% U3O8 (2,680 ppm U3O8)** from **185m (GKI-002)**; **9m at 263ppm U3O8** from **84m** within a broader **27m** uranium anomalous intersection (**GKI-004**). Follow up drill program in the winter season.



CanAlaska Uranium announces it has acquired via staking **11,143 ha Constellation Project**. Also sets to mobilize Moon Lake South drill program (25%-owned CanAlaska, 75%-owned Denison Mines). CanAlaska also confirms uranium mineralization on **Geikie Project** (40%-owned CanAlaska, 60%-owned Basin Energy).

Highlights include:

- **11,143 ha Constellation Project staked**; 60km from the **Key Lake Uranium Mine and Mill**. **18km** of priority basement uranium target corridors identified.
- mobilization of crews for a supplemental exploration drilling program (4 to 8 drillholes for a total of up to **4,400m**) by the **Moon Lake South Joint Venture** at its **Moon Lake South Project**. Program is focused on testing extension of new-high grade uranium mineralization. Geochemical assay results from the winter drill programs **MS-23-10A** returned a high-grade intersection of **2.46% U3O8** over **8m**, including **3.71% U3O8** over **4.5m**



Cosa Resources announces the expansion of its Ursa Project and the acquisition of the 100% owned **Polaris and Eclipse** uranium exploration properties

Highlights include:

- **Ursa** expanded to **60,599 ha** with two new claims totaling **3530 ha**
- **Polaris** covers **3290 ha** and 9km of prospective magnetic low zones near the SWA
- **Eclipse** covers **1622 ha** in the Eastern Athabasca Basin with thin sandstone cover



Denison Mines involved in the mobilization of crews at **Moon Lake South** drill program (75%-owned Denison Mines, 25%-owned CanAlaska)

Highlights include:

- mobilization of crews for a supplemental exploration drilling program (4 to 8 drillholes for a total of up to **4,400m**) by the **Moon Lake South Joint Venture** at its **Moon Lake South Project**. Program is focused on testing extension of new-high grade uranium mineralization. Geochemical assay results from the winter drill programs **MS-23-10A** returned a high-grade intersection of **2.46% U3O8** over **8m**, including **3.71% U3O8** over **4.5m**



Power Metal Resources announces the discovery of a significant helium anomaly at its 100% owned **Perch River Uranium Project** and announces expansion via staking to cover further helium anomalies and prospective geology at **Perch River**. Also announced, the escalation of a high priority uranium target based on a remote sensing study commissioned for the 100% owned **Badger Lake Uranium Project**

Highlights include:

- hyperspectral data analysis using Sentinel-2 satellite data on mineral reflectance conducted at **Perch River** identified several helium anomalies, including the discovery of one extremely strong helium response in the centre of the Project as well as several strong anomalies that previously lay N and NE of the Project boundary
- secured via staking a further **1514.8 ha** at **Perch River** representing an approximately 38% increase in the Project's size to a total of **5,455 ha**
- hyperspectral satellite data analysis has identified distinct similarities between **Badger Lake** and the **Arrow Deposit** (with a Total Measured and Indicated Resource of **256.7 Mlb U3O8**) owned and operated by **Nexgen Energy Ltd.**, which is located 30km NW of **Badger Lake**
- 30 spectral targets have been identified for investigation at **Badger Lake**



Purepoint Uranium states plans for advancing several projects towards a discovery

Highlights include:

- drilling at **Hook Lake**: Q1-2024
- geophysics at **Smart Lake**: 2024
- geophysics and mapping at **Tabbarnor**
- field work and drilling at **Red Willow**
- drilling at **Carson**



Terra Uranium Ltd announces results of assays at **Parker Project**

Highlights include:

- the **Parker Project** is located approximately 50km W of **Cigar Lake** and 50km NW of **McArthur River**
- assays from hole **PK23-DD-01A** at the **Parker Project** confirmed uranium mineralization is present with a peak grade of **32.5 ppm** over **0.2m** in an altered and fractured zone in the basement
- the 10m of sandstone immediately above the unconformity shows alteration and structural features associated with uranium deposition at other known deposits in the basin
- this is the maiden drill hole for T92, the first in the **Parker Lake Project** area, and the first within the 25km zone of the ZTEM basement conductors on this section of the **Cable Bay Shear Zone**. This is the first of 5 targets along this prospective zone to be tested
- further work is planned before the winter including reprocessing all layers of geophysical data using core sample physical property data and a full district scale structural analysis



La Ronge, Flin Flon (LAF)



Fathom Nickel announces completion of the Fall 2023 drill program at the historic **Gochager Lake deposit** within its **22,620 ha Gochager Lake Project**

Highlights include:

- seven drillholes completed totaling **2,168 meters**.
- semi-massive, massive sulphides intersected in **GL23005** and **GL23010**; extending the nickel-copper-cobalt mineralization intersected in **GL23003** both up and down plunge
- disseminated, interstitial, net-textured, semi-massive, sulphide mineralization occurring at **304 – 384.5m** in **GL23009** significantly extends the historic **Gochager Lake deposit** at depth.
- massive sulphide veins observed cross cutting the gabbro host rock throughout the drilled area.
- multiple off-hole borehole electromagnetic (BHEM) responses detected in all drillholes and BHEM surveys suggest significant conductivity build up at depth.
- two strong off-hole BHEM anomalies associated with favorable host rocks encountered in drillhole **GL23011** located approximately 400 meters northeast of the **Gochager Lake deposit**



Foran Mining reports assay results from two drill holes complete as part of its 2023 drill program at the 100%-owned **McIlvenna Bay Complex**

Highlights include:

- new discovery that confirms the presence of mineralization between **Tesla and McIlvenna Bay** (the “**Bridge Zone**”), and have also extended the strike length of the **Tesla Zone** by 200m
- significant assay results from hole **MB-23-287** in the new **Bridge Zone**:
 - **7.1m** grading **1.39% Cu, 4.39% Zn, 31.8 g/t Ag** and **0.01 g/t Au (2.73% CuEq)**
 - **8.9m** grading **1.52% Cu, 1.35% Zn, 21.1 g/t Ag** and **0.01 g/t Au (1.89% CuEq)**
 - **5.1m** grading **1.27% Cu, 3.79% Zn, 42.4 g/t Ag** and **0.01 g/t Au (2.49% CuEq)**
 - **4.9m** grading **3.42% Cu, 1.47% Zn, 32.6 g/t Ag** and **0.01 g/t Au (3.71% CuEq)**
- significant assay results returned from northernmost expansion hole **TS-23-13** at **Tesla** include:
 - **3.0m** grading **2.96% Cu, 0.59% Zn, 21.4 g/t Ag** and **1.12 g/t Au (3.62% CuEq)**; including **1.0m** grading **5.29% Cu, 0.53% Zn, 33.4 g/t Ag** and **2.82 g/t Au (6.77% CuEq)**
 - **7.8m** grading **0.28% Cu, 4.86% Zn, 36.7 g/t Ag** and **0.03 g/t Au (1.90% CuEq)**; including **0.9m** grading **0.25% Cu, 8.13% Zn, 50.3 g/t Ag** and **0.04 g/t Au (2.91% CuEq)**



Searchlight Resources announces that the 2023 field exploration has begun on its **Kulyk Lake Rare Earth/Uranium project**

Highlights include:

- located approximately 165 km N of La Ronge, and 65 km S of **Key Lake Uranium Mill**
- exploration permit received for **Kulyk Lake**
- extension of 2022 MMI survey underway
- prospecting of rare earth and uranium targets underway
- prospecting area A was selected based on results from the 2022 prospecting program which located multiple REE and uranium targets, including chip sample assays between **0.79%** and **0.95%** TREO. This area of interest lies on a topographic ridge which is at least 400 metres long
- prospecting area B was selected based on assays of MMI sample **SRC191663** which was collected in 2022. A total of 244 MMI samples were collected during the 2022 survey with multiple REE and Uranium anomalies. The strongest anomaly was observed in Sample **SRC191663**, with MMI assay of **136,000 ppb** Uranium, which was 1,247 times higher than the average of all other samples. Similarly, Rare Earth values were over 100 times higher than the average of all other samples. A large outcrop is located near to this sample and will be part of the prospecting program.



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Eagle Plains provides an update on recent tenure acquisitions in Northern Saskatchewan as part of its growing portfolio of uranium projects

Highlights include:

- **Shasko Bay, Black Bay, Beaver River, and Don Lake** projects are located in the Uranium City – Fond-du-Lac area of the Lake Athabasca region
- the projects target uranium in a number of geological settings including Beaverlodge-type, unconformity and basement-hosted models as well as containing precious metal and polymetallic targets
- all projects are 100% owned by Eagle Plains, subject to a 2% NSR held by Eagle Royalties Ltd. on the **Shasko Bay** project only



Fortune Bay announces significant expansion of its 100% owned **Murmac Uranium Project** through recent staking efforts

Highlights include:

- **Murmac Uranium Project** now totals **10,363 ha**, representing a 95% increase in areas from 2022
- located on the Northern rim of the Athabasca Basin, approximately 10km S of Uranium City



Standard Uranium announces it has entered into a letter of intent (LOI) with International **Sustainable Energy Mining Corp.** Pursuant to the LOI, the optionee will be granted the option to acquire 100% interest in the **19,603 ha Sun Dog Project** but completing three years of exploration programs and a series of cash and equity payments.

COMMODITIES AT A GLANCE

URANIUM

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- numerous conductors with interpreted cross-cutting structures were identified in both projects, which are indicative of traps capable of hosting uranium mineralization and in total, 20 km of high priority conductive lineaments have been identified within the **North Terra and North Pinnacle Projects**
- at the **North Terra Project**, some prospective targets were identified within 20 km in both directions from Fond du Lake, a historical unconformity-type uranium zone discovered along the same structural corridor in the 1970s
- **Grease River Shear Zone** which crosses both of the **North Terra and North Pinnacle Projects** has a number of identified uranium occurrences, included the **Fond du Lac Zone**

COMMODITIES AT A GLANCE

Baselode Energy Corp. confirms new uranium mineralization at depth at **ACKIO**; announces the results from 11 drill holes of the 7,500m diamond drilling program

Highlights include:

- 36 drill holes over **7,512m** were completed. 30 drill holes for **6,193m** at **ACKIO**, 5 drill holes for **1,145m** at **Mirror**, and 1 drill hole for **174m** on a **regional exploration target**
- Drill holes **AK23-90** and **AK23-91** confirmed mineralization starting at **72m** and **82m** below surface, respectively, demonstrating shallow mineralization is prevalent in other Pods at **ACKIO**
- the remainder of the drill hole assay result were all intersected between **130** and **225m** below surface, demonstrating uranium mineralization is prevalent at depth at **ACKIO**
- four of the reported drill holes (**AK23-84 to AK23-88**, excluding **AK23-87**) all intersected high-grade uranium mineralization (i.e. **>0.50% U3O8**) over a minimum width of **0.5m** core length
- three drill holes (**AK23-82, AK23-86, AK23-88**) all intersected continuous mineralization over **10m** core length, demonstrating thick mineralized zones at depth

Basin Energy Ltd. announces unconformity uranium targets identified at **North Millenium** and priority targets have been identified at **Marshall Uranium Project**. Basin also announces that it has intersected uranium mineralization up to **0.27%** in maiden drilling at **Geikie Project** (60%-owned Basin Energy, 40% -owned CanAlaska).

Highlights include:

- Five-kilometre target corridor defined at **North Millennium** located along interpreted fault extension, host of Cameco's **Millennium uranium deposit**
- Multiple anomalies identified above and below the Athabasca unconformity in both sandstone and basement stratigraphy at **Marshall**
- maiden drilling program at **Geikie** intersects anomalous uranium in four of the eight holes drilled. Significant intersections include: **0.5m at 0.27% U3O8 (2,680 ppm U3O8)** from **185m (GKI-002)**; **9m at 263ppm U3O8** from **84m** within a broader **27m** uranium anomalous intersection (**GKI-004**). Follow up drill program in the winter season.

CanAlaska Uranium Ltd. announces it has acquired via staking **11,143 ha Constellation Project**. Also sets to mobilize Moon Lake South drill program (25%-owned CanAlaska, 75%-owned Denison Mines). CanAlaska also confirms uranium mineralization on **Geikie Project** (40%-owned CanAlaska, 60%-owned Basin Energy).

Highlights include:

- **11,143 ha Constellation Project staked**; 60km from the **Key Lake Uranium Mine and Mill**. **18km** of priority basement uranium target corridors identified.
- mobilization of crews for a supplemental exploration drilling program (4 to 8 drillholes for a total of up to **4,400m**) by the **Moon Lake South Joint Venture** at its **Moon Lake South Project**. Program is focused on testing extension of new-high grade uranium mineralization. Geochemical assay results from the winter drill programs **MS-23-10A** returned a high-grade intersection of **2.46% U3O8** over **8m**, including **3.71% U3O8** over **4.5m**

COMMODITIES AT A GLANCE

Cosa Resources Corp. announces the expansion of its Ursa Project and the acquisition of the 100% owned **Polaris and Eclipse** uranium exploration properties

Highlights include:

- **Ursa** expanded to **60,599 ha** with two new claims totaling **3530 ha**
- **Polaris** covers **3290 ha** and 9km of prospective magnetic low zones near the SWA
- **Eclipse** covers **1622 ha** in the Eastern Athabasca Basin with thin sandstone cover

Denison Mines Inc. involved in the mobilization of crews at **Moon Lake South** drill program (75%-owned Denison Mines, 25%-owned CanAlaska)

Highlights include:

- mobilization of crews for a supplemental exploration drilling program (4 to 8 drillholes for a total of up to **4,400m**) by the **Moon Lake South Joint Venture** at its **Moon Lake South Project**. Program is focused on testing extension of new-high grade uranium mineralization. Geochemical assay results from the winter drill programs **MS-23-10A** returned a high-grade intersection of **2.46% U3O8** over **8m**, including **3.71% U3O8** over **4.5m**

Eagle Plains Resources Ltd provides an update on recent tenure acquisitions in Northern Saskatchewan as part of its growing portfolio of uranium projects

Highlights include:

- **Shasko Bay, Black Bay, Beaver River, and Don Lake** projects are located in the Uranium City – Fond-du-Lac area of the Lake Athabasca region
- the projects target uranium in a number of geological settings including Beaverlodge-type, unconformity and basement-hosted models as well as containing precious metal and polymetallic targets
- all projects are 100% owned by Eagle Plains, subject to a 2% NSR held by Eagle Royalties Ltd. on the **Shasko Bay** project only

F3 Uranium Corp. announces results from thirteen holes of the ongoing summer drill program on the **Patterson Lake North (PLN)** Property

Highlights include:

- **PLN23-090 (line 120S): 14.0m** composite mineralization from **231.5m – 248.5m** including **0.50m** off-scale radioactivity (**>65,535 cps**) between **240.0m** and **240.5m**
- **PLN23-097 (line 045S): 11.0m** mineralization from **212.5m – 223.5m**, including **2.69m** composite mineralization of **>10,000 cps** radioactivity between **215.65m – 224.24m** including **0.25m** off-scale radioactivity (**>65,535 cps**) between **219.75m** and **220.0m**
- **PLN23-093 (line 3450S), A1B Shear Zone: 75.0m** cumulative core loss in Athabasca Sandstone between **140.0m** and **287.0m**. Approximately 100m up-dip of the **A1B Main Shear** projection to the unconformity. Indicative of large scale sandstone dissolution due to intense alteration above the projected A1B shear zone
- **PLN23-095 (line 2610S), A1B Shear Zone: 0.5m** radioactivity of **300 cps** from **610.0m to 610.5m**. First occurrence of anomalous radioactivity, approximately 100m past the main **A1B Shear Zone** within the 50m wide **A1B Shear Zone** complex

COMMODITIES AT A GLANCE

Fortune Bay Corp. announces significant expansion of its 100% owned **Murmac Uranium Project** through recent staking efforts

Highlights include:

- **Murmac Uranium Project** now totals **10,363 ha**, representing a 95% increase in areas from 2022
- located on the Northern rim of the Athabasca Basin, approximately 10km S of Uranium City

Iso Energy Ltd and **Consolidated Uranium Inc** announce that they have entered into a merger to create a leading, diversified uranium company, focused on the world's top uranium jurisdictions.

Kiplin Metals Inc. announces that it has entered into an agreement with **Lloyd Lake Uranium Corp.** to acquire **Lloyd Lake Uranium Project**.

Highlights include:

- **Lloyd Lake Uranium Project** spans **6,177 ha** and is located 27 km S of the Southern boundary of the Athabasca Basin
- the key exploration zones is an 8km corridor characterized by magnetic low which aligns with a structural break, a locale where anomalous radioactivity has been detected.
- following completion of the acquisition, Kiplin plans to conduct an exploration and development program to further understand the potential of the **Lloyd Lake Uranium Project**

Power Metal Resources Inc. announces the discovery of a significant helium anomaly at its 100% owned **Perch River Uranium Project** and announces expansion via staking to cover further helium anomalies and prospective geology at **Perch River**. Also announced, the escalation of a high priority uranium target based on a remote sensing study commissioned for the 100% owned **Badger Lake Uranium Project**

Highlights include:

- hyperspectral data analysis using Sentinel-2 satellite data on mineral reflectance conducted at **Perch River** identified several helium anomalies, including the discovery of one extremely strong helium response in the centre of the Project as well as several strong anomalies that previously lay N and NE of the Project boundary
- secured via staking a further **1514.8 ha** at **Perch River** representing an approximately 38% increase in the Project's size to a total of **5,455 ha**
- hyperspectral satellite data analysis has identified distinct similarities between **Badger Lake** and the **Arrow Deposit** (with a Total Measured and Indicated Resource of **256.7 Milb U3O8**) owned and operated by **Nexgen Energy Ltd.**, which is located 30km NW of **Badger Lake**
- 30 spectral targets have been identified for investigation at **Badger Lake**

COMMODITIES AT A GLANCE

Purepoint Uranium Group Inc. states plans for advancing several projects towards a discovery

Highlights include:

- drilling at **Hook Lake**: Q1-2024
- geophysics at **Smart Lake**: 2024
- geophysics and mapping at **Tabbemor**
- field work and drilling at **Red Willow**
- drilling at **Carson**

Searchlight Resources Inc. announces that the 2023 field exploration has begun on its **Kulyk Lake Rare Earth/Uranium project**

Highlights include:

- located approximately 165 km N of La Ronge, and 65 km S of **Key Lake Uranium Mill**
- exploration permit received for **Kulyk Lake**
- extension of 2022 MMI survey underway
- prospecting of rare earth and uranium targets underway
- prospecting area A was selected based on results from the 2022 prospecting program which located multiple REE and uranium targets, including chip sample assays between **0.79%** and **0.95%** TREO. This area of interest lies on a topographic ridge which is at least 400 metres long
- prospecting area B was selected based on assays of MMI sample **SRC191663** which was collected in 2022. A total of 244 MMI samples were collected during the 2022 survey with multiple REE and Uranium anomalies. The strongest anomaly was observed in Sample **SRC191663**, with MMI assay of **136,000 ppb** Uranium, which was 1,247 times higher than the average of all other samples. Similarly, Rare Earth values were over 100 times higher than the average of all other samples. A large outcrop is located near to this sample and will be part of the prospecting program.

SKRR Exploration Inc. announces that a review of the previous exploration work is currently underway as well as a reassessment of the untested frill targets on the **Clearwater West Property**

Highlights include:

- application for the work permits for the planned winter 2023 exploration work has been submitted
- SKRR previously entered into a property option agreement with **F3 Uranium Corp.** whereby SKRR has an option to acquire up to a 70% interest in the **Clearwater West Property**
- the Clearwater West Property is comprised of 3 contiguous mineral claims totaling **11,786 ha** which are immediately S and adjacent to **Fission Uranium's PLS property**

COMMODITIES AT A GLANCE

Stallion Discoveries Corp. announces the results on key projects from the **5,200 line-kilometre** VTEM Plus survey completed last winter

Highlight include:

- several prospective areas across Stallion's projects were identified in the regional EM survey; the EM anomalies identified by **Condor** will be followed up on with ground EM survey this fall
- also identified were multiple structural complexities, as well as coincident magnetic lows, which have been known to represent uranium alteration; they will be delineated and advanced for Stallion's maiden drill program
- Four target zones have been identified to be followed up with exploration this fall and winter
- Phase 1 fall/winter exploration plan: TDEM survey covering **142 line-kms** over the **Coffer project**; complete a **5,500 line-km** regional inductive passive EM survey over **Atha Energy JV Projects**
- Phase 2 fall/winter exploration plan: diamond drilling totaling **3,000 m** on the **Coffer Project**; diamond drilling totaling **1,500 m** on the **Gunter Lake Project**

Standard Uranium Ltd. announces it has entered into a letter of intent (LOI) with International **Sustainable Energy Mining Corp.** Pursuant to the LOI, the optionee will be granted the option to acquire 100% interest in the **19,603 ha Sun Dog Project** but completing three years of exploration programs and a series of cash and equity payments.

Terra Uranium Ltd. announces results of assays at **Parker Project**

Highlights include:

- the **Parker Project** is located approximately 50km W of **Cigar Lake** and 50km NW of **McArthur River**
- assays from hole **PK23-DD-01A** at the **Parker Project** confirmed uranium mineralization is present with a peak grade of **32.5 ppm** over **0.2m** in an altered and fractured zone in the basement
- the 10m of sandstone immediately above the unconformity shows alteration and structural features associated with uranium deposition at other known deposits in the basin
- this is the maiden drill hole for T92, the first in the **Parker Lake Project** area, and the first within the 25km zone of the ZTEM basement conductors on this section of the **Cable Bay Shear Zone**. This is the first of 5 targets along this prospective zone to be tested
- further work is planned before the winter including reprocessing all layers of geophysical data using core sample physical property data and a full district scale structural analysis

Trench Metals Corp. has completed the acquisition of **Carter Lake Resource Corp.**

- the **Carter Lake uranium project** is situated in the Athabasca basin spanning over **691 ha** within the **Carter Lake corridor** that runs parallel to the renowned **Patterson Lake corridor**

COMMODITIES AT A GLANCE

BASE METALS

Fathom Nickel Inc. announces completion of the Fall 2023 drill program at the historic **Gochager Lake deposit** within its **22,620 ha Gochager Lake Project**

Highlights include:

- seven drillholes completed totaling **2,168 meters**.
- semi-massive, massive sulphides intersected in **GL23005** and **GL23010**; extending the nickel-copper-cobalt mineralization intersected in **GL23003** both up and down plunge
- disseminated, interstitial, net-textured, semi-massive, sulphide mineralization occurring at **304 – 384.5m** in **GL23009** significantly extends the historic **Gochager Lake deposit** at depth.
- massive sulphide veins observed cross cutting the gabbro host rock throughout the drilled area.
- multiple off-hole borehole electromagnetic (BHEM) responses detected in all drillholes and BHEM surveys suggest significant conductivity build up at depth.
- two strong off-hole BHEM anomalies associated with favorable host rocks encountered in drillhole **GL23011** located approximately 400 meters northeast of the **Gochager Lake deposit**

Foran Mining Corp. reports assay results from two drill holes complete as part of its 2023 drill program at the 100%-owned **Mcllvenna Bay Complex**

Highlights include:

- new discovery that confirms the presence of mineralization between **Tesla and Mcllvenna Bay** (the “**Bridge Zone**”), and have also extended the strike length of the **Tesla Zone** by 200m
- significant assay results from hole **MB-23-287** in the new **Bridge Zone**:
 - **7.1m** grading **1.39% Cu, 4.39% Zn, 31.8 g/t Ag and 0.01 g/t Au (2.73% CuEq)**
 - **8.9m** grading **1.52% Cu, 1.35% Zn, 21.1 g/t Ag and 0.01 g/t Au (1.89% CuEq)**
 - **5.1m** grading **1.27% Cu, 3.79% Zn, 42.4 g/t Ag and 0.01 g/t Au (2.49% CuEq)**
 - **4.9m** grading **3.42% Cu, 1.47% Zn, 32.6 g/t Ag and 0.01 g/t Au (3.71% CuEq)**
- significant assay results returned from northernmost expansion hole **TS-23-13** at **Tesla** include:
 - **3.0m** grading **2.96% Cu, 0.59% Zn, 21.4 g/t Ag and 1.12 g/t Au (3.62% CuEq)**; including **1.0m** grading **5.29% Cu, 0.53% Zn, 33.4 g/t Ag and 2.82 g/t Au (6.77% CuEq)**
 - **7.8m** grading **0.28% Cu, 4.86% Zn, 36.7 g/t Ag and 0.03 g/t Au (1.90% CuEq)**; including **0.9m** grading **0.25% Cu, 8.13% Zn, 50.3 g/t Ag and 0.04 g/t Au (2.91% CuEq)**

Hudbay Minerals Inc. announces that it has completed acquisition of **Rockcliff Metals Corp.**

Highlights include:

- prior to the transaction, **Rockcliff** was the 49% joint venture partner on Hudbay’s **Talbot project**. **Rockcliff** also owns a 100% interest in six additional deposits in the **Snow Lake region** and is one of the largest landholders in the **Snow Lake area**, with approximately 1,800 km² across all its properties.

COMMODITIES AT A GLANCE

RARE EARTH ELEMENTS (REEs)

TREO=Total Rare Earth

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

Searchlight Resources Inc. announces that the 2023 field exploration has begun on its **Kulyk Lake Rare Earth/Uranium project**

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LITHIUM

Battery X Metals Inc. announces that it has entered into a share exchange agreement to acquire the **Y Lithium Project** in the **Bailey Lake region**

Highlights include:

- the **Y Lithium Project** encompasses a total of **5,856 ha** in four staked claims, divided into two areas: the west claim block and the north claim block
- analysis of a sample from the **Y Lithium Project** by the Saskatchewan Geological Survey revealed exceptional lithium content. The sample contained **3,470 ppm** lithium, equivalent to **0.741%** Lithium Oxide (Li₂O)

COMMODITIES AT A GLANCE

HELIUM

Power Metal Resources Inc. announces the discovery of a significant helium anomaly at its 100% owned **Perch River Uranium Project** and announces expansion via staking to cover further helium anomalies and prospective geology at **Perch River**. Also announced, the escalation of a high priority uranium target based on a remote sensing study commissioned for the 100% owned **Badger Lake Uranium Project**

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- 30 spectral targets have been identified for investigation at **Badger Lake**

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 - ♦ 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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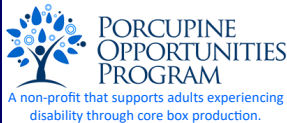
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