February 2024

Northern Saskatchewan Mineral Exploration Highlights

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Photo Credit: Moose

Jonathan 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.

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NEWS

SASKPOWER-GEH AGREEMENT TO ADVANCE SMR DEVELOPMENT

World Nuclear News | world-nuclear-news.org Jan 31, 2024

Canadian Utility SaskPower and GE Hitachi Nuclear Energy (GEH) have signed an agreement to advance small modular reactor (SMR) development in Saskatchewan. In June 2022, SaskPower selected GEH's BWRX-300 as the technology to be used in its SMR development work.

The new agreement will enable SaskPower and GEH to collaborate on project planning and facilitate the sharing of expertise related to the design, fuel sourcing and fabrication for the BWRX-300 SMR. It will also support workforce and supply chain planning needed for a Saskatchewan-based SMR deployment.

SaskPower said the agreement will streamline its planning and licensing work to inform its decision in 2029 whether to proceed with nuclear power in Saskatchewan.

"Gaining detailed technical specifications, requirements and designs to the BWRX-300 is necessary for our planning work and license applications," said SaskPower President and CEO Rupen Pandya. "Leveraging experience and expertise from our colleagues in the nuclear industry is an important part of our planning work."

"This agreement is another important step in our efforts to support Saskatchewan's workers, businesses and clean energy goals," said GEH Canada Country Leader Lisa McBride. "The BWRX-300 reimagines what is possible when it comes to generating reliable, carbon-free energy."

SaskPower selected GEH's (GEH) BWRX-300 in June 2022 for potential deployment in the province in the mid-2030s after an assessment process in which it looked at several SMR technologies.

The BWRX-300 is a 300 MWe water-cooled, natural circulation SMR with passive safety systems that leverages the design and licensing basis of GEH's US Nuclear Regulatory Commission-certified ESBWR boiling water reactor design and its existing, licensed GNF2 fuel design, a unique combination that GEH says positions it to deliver an "innovative, carbon-free baseload power generation source" this decade.

Ontario Power Generation has already selected the BWRX-300 for its Darlington New Nuclear Project in Ontario, where Canada's first commercial, grid-scale, SMR could be completed as early as 2028.

SaskPower will not make a decision on whether to build an SMR until 2029, but in the meantime will continue with project development, licensing and regulatory work. In September 2022, the company said it had identified two areas in the province of Saskatchewan - Estevan and Elbow - for further study to determine the feasibility of hosting an SMR.

Researched and written by World Nuclear News

NEWS

MINING TO RESUME AT MCCLEAN LAKE

World Nuclear News | world-nuclear-news.org Jan 25, 2024

More than 15 years after mining was suspended at McClean Lake in Saskatchewan, joint venture partners Orano Canada Inc and Denison Mines Corp have announced that production is to restart using the patented Surface Access Borehole Resource Extraction (SABRE) mining method.



McClean Lake (Image: Denison)

The companies intend to begin mining at the McClean North deposit in 2025, targeting production of 800,000 pounds U3O8 (308 tU, 100% basis) in 2025. Around 3 million pounds U3O8 (100% basis) has been identified for potential additional production from a combination of the McClean North and Caribou deposits from 2026 to 2030.

SABRE is a non-entry, surface-based mining method that uses a high-pressure water jet placed at the bottom of a drill hole to excavate a mining cavity. The cuttings from the excavation process are then air lifted to the surface, separated and stockpiled. This innovative mining method can potentially allow economic access to relatively small high-grade orebodies that are either too small or too deep to be mined economically by conventional open-pit and/or underground mining methods, the companies say.

NEWS

SABRE also offers operational and environmental advantages compared to conventional mining techniques. It is selective and scalable, which the companies say makes it suited to changing uranium market conditions, with an expected production ramp up of months instead of years. It is less intrusive and has a smaller surface footprint than conventional methods, with lower water usage and power consumption, and - as it is a non-entry mining method - minimises radiological exposure for mine workers.

A five-year SABRE test programme was completed at McClean Lake in 2021, excavating some 1,500 tonnes of ore. Over 2024, the companies said they will prepare the existing SABRE mining site and equipment at McClean Lake for continuous commercial operations, as well as installing eight pilot holes for the first mining cavities planned for excavation. A budget of CAD7 million (100% basis) has been approved for the work.

McClean Lake is in the eastern part of the Athabasca Basin region in northern Saskatchewan, about 750 kilometres north of Saskatoon. The McClean Lake Joint Venture (MLJV) is 77.5% owned by Orano Canada and 22.5% by Denison. Orano Canada is the operator.

Although mining operations were suspended in 2008, the McClean Lake mill, which can produce up to 24 million pounds of yellowcake per year, is Orano Canada's flagship operation, milling high -grade uranium ore trucked from Cameco's Cigar Lake mine. The mill produced 18 million pounds U308 in 2022, and Orano Canada's President and Chief Executive Officer Jim Corman said the mill will have sufficient capacity to process the ore from McClean Lake operations as well as continuing with committed planned production from Cigar Lake.

"Our current ability to capitalise on the strengthening uranium and nuclear markets is the result of a long-term investment in R&D within Orano and the MLJV to secure continued activities at the McClean Lake operation well into the future ... It's an exciting time for employees, partners, and the industry as we return to a focus on growth," Corman said.

Denison President and CEO David Cates said the restart of uranium mining at McClean Lake is a "notable milestone" after 2008's suspension of mining in response to declining uranium prices. Information from the mining tests of the SABRE method completed in 2021 "suggests an incentive price meaningfully lower than current uranium prices" which has provided "a strong basis" for the restart decision, he added.

Researched and written by World Nuclear News

NEWS

AGREEMENT TO ADVANCE SMRs IN ALBERTA

World Nuclear News | world-nuclear-news.org Jan 16, 2024

The agreement between North American power producer Capital Power Corporation and Ontario Power Generation (OPG) will see the two companies work together to examine the feasibility of developing grid-scale small modular reactors (SMRs) in the province, including possible ownership and operating structures.

The feasibility assessment will be completed within two years. At the same time, work will continue on the next stages of SMR development, the companies said. The commitment agreement advances the joint strategic plan for the deployment of SMRs released in 2022 by the governments of Alberta, Ontario, Saskatchewan and New Brunswick.

Capital Power President and CEO Avik Dey said SMR technology would provide an important source of safe, reliable, flexible, affordable and clean base load electricity for the province. The agreement lays the foundation for a long-term strategic partnership, he said at the livestreamed announcement. The company is looking to deploy its first SMR unit between 2030 and 2035.

Capital Power operates some 7600 MWe of generating capacity at 30 operations in Alberta, British Columbia and Ontario and 10 US states, including fossil fuel, solar, wind, waste heat and landfill gas facilities.

OPG is building what it describes as North America's first fleet of SMRs at its Darlington New Nuclear site in Ontario, where the construction of the first of four GE-Hitachi BWRX-300 SMRs is expected to be completed by the end of 2028 with the unit online by the end of 2029. A 300 MWe SMR unit would be "right-sized" for Alberta's electricity market, Dey said, and leveraging Ontario's experience in nuclear will help to accelerate opportunity in Alberta.

OPG CEO Ken Hartwick said the company expects to complete the regulatory process to obtain the licence to construct the new plants at Darlington, giving it sufficient information to be able release cost numbers for all four Darlington SMR units, by early 2025. The first Darlington unit will be "a little more expensive" but subsequent units are expected to be less expensive, he said: "We anticipate someone like Capital being able to utilise our learnings so they get the benefit of a lower cost to build."

Alberta's Minister of Affordability and Utilities Nathan Neudorf said SMRs "have the potential to play a major role in the province's search for the right energy mix to supply clean, reliable and affordable electricity" and the partnership is "an exciting and important step forward in our efforts to decarbonise the grid while maintaining on-demand baseload power".

NEWS

Whether SMR units would be located at one location, or several, would the considered during the feasibility stage, Neudorf said, but an "attractive" quality of SMR technology is the ability to do both, with units grouped together or deployed singly in more remote locations.

Last year, Alberta announced a CAD7 million (USD5 million) investment in a multi-year study of the deployment of SMRs for the province's oil sands operations. Alberta Minister of Energy and Minerals said SMRs "are a critical component of the clean power generation supply mix and hold promise for the oil sands".

The announcement came two days after extreme cold resulting in high power demand put the Alberta grid at a high risk of rotating power outages, prompting the Alberta Emergency Management Agency to ask residents to limit their electricity use to essential needs only.

Ahead of the announcement, Ontario Minister of Energy took to social media from Alberta's capital city, Edmonton. "With temperatures near minus 45 over the weekend - even colder in some parts of Alberta - and virtually no wind or solar showing up on the grid, Alberta issued electricity advisory asking its residents to conserve electricity to avoid brownouts," he said in a video on X. "I look forward to exporting Ontario's nuclear expertise to provinces and states and jurisdictions around the world looking for energy autonomy and energy security, and that includes our friends here in Alberta."

Researched and written by World Nuclear News

SUPPLY RISKS FUEL URANIUM'S FLIGHT TO MORE THAN 16-YEAR PEAK

Pratima Desai, Reuters | reuters.com Dec 11, 2023

LONDON, Jan 22 (Reuters) - Uranium prices have hit their highest in more than 16 years on a buying frenzy triggered after the world's largest miner of the nuclear fuel highlighted production risks, but the price surge is likely to mean the restart of mothballed capacity.

Kazakhstan's Kazatomprom earlier this month said it may cut its 2024 production plan due to difficulties with the availability of sulphuric acid needed to produce uranium.

Uranium oxide prices , under pressure for years after the Fukushima nuclear accident in 2011 battered demand, picked up momentum in August 2021 when disruptions caused by COVID lock-downs hit supplies and created shortages.

They have since rocketed 250%, and are up 15% so far this month to their highest since November 2007 at \$106 a lb.

NEWS

"After a decade of dormancy, uranium suddenly came to life in mid-2021, rising above its longstanding cap at \$30 a lb, which also happens to be the global industry's marginal cost of mined production," said Liberum analyst Tom Price.

Marginal costs of production are a reference to the costs incurred per lb of additional output by the highest-cost producers.

Liberum forecasts a 300,000 lb deficit this year, down from a shortfall of 1.1 million lbs in 2023, and estimates 2024 demand at 174.7 million lbs, up from 170.4 million lbs last year.

However, "while we recognise upside price risk, we also expect Kazatomprom and Cameco to eventually reactivate their dormant mine capability, as the price rallies – to secure market share and deter entrants," Price said. He expects restarts from both companies this year and next.

Toronto-listed Cameco is expected to be the world's second largest uranium producer this year after Kazatomprom.

Uranium purchases by companies including the Sprott Physical Uranium Trust and Yellow Cake have contributed to the price surge in recent months, but this, industry sources say, would be due to demand from investors looking at supply/demand imbalances.

Resistance to nuclear power after Fukushima remains, but the need to cut emissions and a growing belief that it would make the energy transition safer and cheaper is expected to drive uranium demand higher over the coming years.

"Uranium is having a moment on the demand side. It is cost effective. If it isn't green, it is certainly green adjacent," said Jay Tatum Portfolio manager at Valent Asset Management. "It would be hard to call a top in uranium prices, but five, six, seven years down the line, I don't think it will be making new highs."

Reporting by Pratima Desai; Editing by Jan Harvey





ALX Resources Inc. announces that it has received the results of an airborne Z-Axis Tipper electromagnetic survey (ZTEM[™]) flown in June 2023 at the **Hook-Carter Uranium** projects. <u>Highlights include:</u>

- Exploration at **Hook-Carter** is operated by **Denison Mines Corp**. and the Project is owned 80% by Denison and 20% by ALX

- ZTEM[™] is a deep-penetrating airborne electromagnetic ("EM") survey method known to be an effective exploration method for detecting geophysical conductors that may be associated with unconformity uranium mineralization

- the 2023 **Hook-Carter** ZTEM[™] survey successfully outlined historical conductors present at **Hook-Carter** and resolved new conductors in deeper terrain that were not identified by previous geophysical surveys



Azincourt Energy Corp. provides update on preparations for winter drill program at East Preston Uranium Project.

Highlights include:

- planning a follow up drill program for the winter of 2024, consisting of **1,000 to 1,500 meters** of drilling in up to five diamond drill holes, with potential to expand the program

- priority will be to follow up on the clay alteration zone with elevated uranium that was identified in the winter of 2023 with a focus on the area of transition between the **K- and H-Zones**

- the 2023 program included **3,066 meters** of drilling which confirmed extensive dravite, illite and kaolinite clay alteration in the **K-Zone**, extended the strike length to **1500m**, and confirmed uranium enrichment within the previously discovered alteration along the **K- and H-Zones**

- program is anticipated to utilize one helicopter supported drill rig based from a local contractor camp, with reduced disturbance due to the lack of an access road



Dixie Gold Inc. provides an update to its previously announced transaction with ASX-listed **Omnia Metals Group Ltd.**

Highlights include:

- based on continuing mutual effort by the parties to advance the Takeover Transaction towards an intended completion, the Corporation has entered into a second amending letter with **Omnia** dated January 22, 2024, whereby the parties have increased the duration of the exclusivity period by an additional four week period

- the Corporation continues to work diligently with **Omnia** having an objective to consummate the Takeover Transaction during the first half of 2024, subject to, without limitation, meeting all necessary preconditions and receiving all necessary approvals.



F3 Uranium Corp announces commencement of 2024 winter drill campaign on its 100%-owned **Patterson Lake North** project and subsequent results from the first completed drill hole. F3 announces it has entered into a property swap agreement with **CanAlaska Uranium Ltd**. Pursuant to which F3 will receive **CanAlaska's Patterson West Property** in exchange for **F3's Hobo Lake Property**. F3 also announces intention to spin-out **F4 Uranium Corp**.

Highlights include:

- drill program focuses initially on the **JR Zone** and the **B1 Area**, located 3km south of the **JR Zone** - drill targets at the **B1 Area** are being developed through the integration of 3D-DCIP ground resistivity that is nearing completion, along with ground EM data and drill core geochemistry

- PLN24-116 (line 075S): 16.5m mineralization from 224.0m - 240.5m, including 6.05m composite high-grade radioactivity (> 10,000 cps) between 224.85 and 232.40m including 2.05 composite off -scale radioactivity (> 65,535 cps) between 227.00 and 231.25m, and 0.5m mineralization from 272.00m - 272.5m with up to 23,600 cps

- the **Patterson West Property** is located in the **Patterson Lake** area of the Athabasca Basin, and ~12 km west of the **Triple R and Arrow uranium deposits**. The **PW Property** claims, totaling **3,015 ha**, are ideally situated in relation to F3's other PLN Project properties and through incorporation into the **Broach Lake Property** will further the Company's objective to maintain a singular focus on its **PLN Project** and to expand upon the **JR Zone discovery**

- F3 has initiated steps to spin-out **14** of the Company's prospective uranium exploration projects in the Athabasca Basin including the **Murphy Lake, Cree Bay, Hearty Bay, Clearwater West, Wales Lake, Todd, Smart Lake, Lazy Edward Bay, Grey Island, Seahorse Lake, Bird Lake, Beaver River, Bell Lake and Flowerdew Lake properties into a newly incorporated wholly-owned subsidiary to be named F4 Uranium Corp.** The **Patterson Lake North Property** along with the **Broach** and **Minto Properties** totaling **39,946 hectares**, will remain with **F3**



Fission Uranium Corp. announces that preparations are underway to commence its **~6,000m** winter regional exploration program at the **PLS high-grade uranium** project <u>Highlights include:</u>

- Bryson Drilling Ltd. of Archerwill SK , has been contracted to conduct the drilling program

- Two diamond drill rigs are now on site and being positioned with the first holes testing the **Saloon and Holster target areas**: **DDH-A** and **DDH-B** respectively

- Holster Target: One drillhole totaling 645m is currently planned to test the Holster target
- Saloon Target: Up to four holes in 1,915m are currently planned to test the Saloon target area
- Pistol Target: Two holes in 1,600m will test this encouraging target
- East Extension: One drillhole is planned at this target, with an estimated total of 330m
- Bridle & Saddle Targets: Three drillholes are planned at these targets, totaling 960m
- Far West Targets: Two drillholes are planned at these targets, totaling 630m



Purepoint Uranium Group Inc. announces exploration plans for 2024 with field programs at its two joint ventures and four of its 100% owned projects

Highlights include:

- drilling is set to begin shortly at the **Hook Lake JV project**, jointly owned by Cameco Corp. (39.5%), Orano Canada Inc. (39.5%) and Purepoint Uranium Group Inc. (21%) as operator. Mobilization is currently underway and proceeding well despite unseasonably cold temperatures

- in April, Purepoint will conduct Stepwise Moving Loop and Fixed Loop Transient EM surveys at the **Smart Lake JV project**, jointly owned by Cameco Corp. (73%), and Purepoint Uranium Group Inc. (27%) as operator. Survey results from the northern **Groomes Lake conductor** will be used to define discrete targets for next step drilling

STALLION URANIUM

Stallion Uranium Corp announces completion ground-based time-domain electromagnetic (EM) geophysical survey over the high priority **Appaloosa Target** on its 100% owned **Coffer Uranium Project.** Stallion also announces that it has engaged Axiom Exploration Group to conduct an Aerial Gravity Survey over **Gunter Lake**. Stallion announces that it has acquired by staking three new prospective uranium exploration dispositions.

Highlights include:

- data from **Coffer** has now moved into final processing and modeling to be available as Stallion prepares for their maiden drill program; preliminary data highlights high priority targets

- the data from the planned gravity survey at **Gunter Lake**, when paired with the existing data from the VTEMTM Plus survey completed last year, will identify potential uranium alteration zones

- the three newly acquired dispositions add an additional **13,175 HA** to Stallion's 100% owned holdings in the Athabasca Basin increasing Stallion's total land package to **313,381 HA** 11





92 Energy Ltd provides an update on its proposed merger with **ATHA Energy Corp** <u>Highlights include:</u>

- ATHA has applied to list all of its outstanding common shares on the TSX Venture Exchange

- The Proposed TSXV Listing is conditional on the satisfaction by **ATHA** of the conditions to listing imposed by the TSXV and there can be no assurance that such approval will be received, or that it will be approved before the Scheme is implemented

- ATHA has also advised the market that it expects to satisfy the requirements of the Canadian Securities Exchange (CSE) with respect to shareholder approval for the Scheme and its acquisition of Latitude Uranium Inc.

- Accordingly, the Scheme Implementation Deed has been amended to allow for **ATHA** to proceed with the Proposed TSXV Listing and the signing of the written resolution concerning the Merger Transactions in lieu of a special shareholders meeting



Baselode Energy Corp provides the 2024 exploration plans for the Company's Bear, Catharsis & Hook uranium projects

Highlights include:

- \$12,000,000 for uranium delineation and exploration committed for 2024
- four drill programs planned across Baselode's Uranium Project Portfolio
- the first drill program is scheduled to begin mid-February



ATHA Energy Corp provides update on its previously announced proposed acquisition transactions with Latitude Uranium Inc. and 92 Energy Ltd.

Highlights include:

- announces that in accordance with the policies of the Canadian Securities Exchange (the "CSE"), it expects to satisfy the requirements of the CSE with respect to shareholder approval for the Transactions by way of a written resolution (the "Written Consent Resolutions") executed by shareholders of **ATHA** holding greater than 50% of the issued and outstanding common shares of **ATHA** ("ATHA Shares"), and accordingly, has cancelled its previously called meeting of shareholders - announces that it has applied to list (the "Proposed TSXV Listing") the **ATHA** Shares on the TSX Venture Exchange (the "TSXV")

- announce that it has entered into an amended and restated binding scheme implementation deed (the "A&R 92E SID") with **92E** dated January 25, 2024, amending and restating the binding scheme implementation deed dated December 7, 2023, to allow for **ATHA** to proceed with the Proposed TSXV Listing and Written Consent Resolutions in lieu of a meeting of **ATHA** shareholders

- ATHA and 92E are currently actively working towards the finalization of the meeting materials for the meeting of holders of 92E shares

- ATHA also announces that it has filed restated interim financial statements and associated management's discussion and analysis for the nine-month period ended September 30, 2023



Basin Energy Ltd. provides an overview of activities for the period ending 31 December 2023 <u>Highlights include:</u>

- preparation for phase 2 drilling program at **Geikie** commenced following the initial drilling success which included:

-Anomalous uranium discovered in four of the eight holes drilled, up to 0.27% U308

-Elevated lead isotope anomalies and extensive hydrothermal alteration observed in 5 holes indicate potential for a major uranium mineralising system.

- airborne gravity results from **Geikie** received, identifying multiple targets proximal to phase one drilling success.

- preparations for ground electromagnetics survey commenced following significant anomalies identified through 3D inversion of **North Millennium** and **Marshall** historic geophysical data.

- continued engagement and consultation with Indigenous and stakeholder groups.

- U3O8 spot price surpasses US\$100/Lb; hitting 16-year high, with uranium spot price trading as high as US\$106/Lb during January 2024



CanAlaska Uranium Ltd. prepares for winter drill programs at three of its projects; drill crew mobilization beginning at **West McArthur JV**. Also announces it has entered into a property purchase agreement with **Cosa Resources Corp**. for the sale of the **Titan Project** and that CanAlaska has acquired the **Nebula Project** from **F3 Uranium**. CanAlaska also announces that is entered into a LOI with **Nexus Uranium Corp** to allow Nexus to earn up to a 75% interest in the **Cree East Project**. <u>Highlights include:</u>

- \$7.5 Million Drilling Program at West McArthur JV High-Grade Pike Zone. Mobilization of drill crews and equipment has begun. The 2024 West McArthur drill program will focus on continued expansion of the Pike Zone discovery and along strike unconformity testing to the NE and SW
 - CanAlaska also reports that it has received assay results from the 2023 fall drill program at the West McArthur project. Geochemical assay results are highlighted by drill hole WMA082-2 in the Pike Zone which returned a high-grade intersection grading 1.03% U3O8 over 6.3 metres, including a sub-interval of 2.82% U3O8 over 1.9 metres

- \$2.7 Million Geophysics and Drilling Program Planned at Moon Lake South JV

- Multiple Drilling Programs Planned on Partner Sole-Funded Projects

- the acquired **Nebula Project**, formerly known as **F3 Uranium's Hobo Lake Property**, is located in the southeastern Athabasca Basin and covers **14,854 hectares**. The Project is located approximately 35 kilometres southwest of the **Key Lake Mine and Mill** complex and covers over 40 kilometres of the interpreted **Key Lake structural corridor** and associated conductors.

- the **Cree East Project** is located in the southeastern Athabasca Basin and covers **57,752 hectares**. The Project is located 35 km west of the **Key Lake Mine and Mill Complex**. **Nexus** may earn up to a 75% interest in the Project by undertaking work and payments in three defined earn-in stages



Cosa Resources Corp. announces commencement of ground geophysics and access trail establishment at 100% owned **Ursa project**. Cosa also announces completion of the previously announced acquisition of the **Titan uranium property** from **CanAlaska Uranium Ltd**. Highlights include:

- 80 km of ground-based electromagnetic (EM) surveying to be completed over five target areas

- results will aid targeting for initial drill campaign planned for Q1 2024

- best-in-class EM technology and modelling techniques, a significant advantage over the technological limitations of the historical work at **Ursa**

- eight mineral dispositions totalling **9,333 hectares** have been acquired, doubling the size of Cosa's **Orion Project** to **18,332 hectares**

- the expanded **Orion Project** captures over **22 km** of the fertile **Larocque Lake trend**, which hosts the **Hurricane Deposit** and several other significant uranium showings

- Orion now captures nearly 12 kilometres of the Cigar Lake trend where it intersects the Larocque Lake trend, both of which host several mineralized intercepts and uranium deposits 14

Penison Mines

Denison Mines Inc. announces along with Orano Canada Inc, as joint-venture partners in the McClean Lake Joint Venture, that the MLJV has approved a restart of uranium mining operations using the joint venture's patented Surface Access Borehole Resource Extraction ("SABRE") mining method. Orano Canada owns a 77.5% interest and is the operator of the MLIV and Denison owns a 22.5% interest Highlights include:

- mining is planned to commence at the McClean North deposit in 2025, with 2024 activities expected to focus on preparations necessary to ready the existing SABRE mining site and equipment for continuous commercial operations, as well as the installation of eight pilot holes for the first mining cavities planned for excavation

- Approx 800,000 lbs U3O8 (100% basis) are targeted for production from McClean North in 2025, with approximately 3,000,000 lbs U308 (100% basis) identified for potential additional production from a combination of the McClean North and Caribou deposits during the years 2026 to 2030



IsoEnergy Ltd announces the commencement of its 2024 winter exploration program Highlights include:

- a total of **8,250 metres** of drilling is planned for the winter with a budget of \$4 million focused on two highly prospective projects

- Larocque East, which contains the high-grade Hurricane deposit and Hawk

- the program will drill test targets to the east of the Hurricane deposit at the Larocque East Project and new targets generated in 2023 at the Hawk Project

- the diamond drilling services contract for the 2024 exploration programs has been awarded to the highly experienced drill contractor Team Drilling who are mobilizing to site

- drilling is expected to commence with two rigs on the Hawk project in late January with Larocque East drilling to follow. Both programs are expected to be completed by April. Results from both programs will inform plans for summer work programs



Nexus Uranium Corp. announces it has entered into a letter of intent with CanAlaska Uranium Ltd. to negotiate and enter into an option agreement pursuant to which Nexus will acquire up to a 75%interest in the Cree East uranium project

Highlights include:

- the Cree East project is comprised of 17 contiguous mineral claims covering an area of 57,752 ha of highly prospective terrain in the eastern Athabasca Basin with extensive historical exploration - the Project has been extensively explored, with over \$20 million in exploration expended since 2006, which has led to the delineation of multiple zones of uranium mineralization associated with graphitic

conductors and large hydrothermal alteration halos, both in basement and sandstone environments, at depths ranging from 100 metres to 450 metres below surface



Purepoint Uranium Group Inc. announces exploration plans for 2024 with field programs at its two joint ventures and four of its 100% owned projects

Highlights include:

- plans have been completed for this Spring's drill program at the Company's 100% owned **Red Willow** project. Drilling will initially target the **Long Lake** area where over **5 kilometres** of favourable EM conductors remains to be drill tested and historic drilling intersected a **1.6 metre** radioactive structure in **LL08-05** that included **269 ppm U over 0.5 m**

Purepoint's Turnor Lake project is scheduled for drilling in late Q3 2024. Drilling will target the 2.3 km long Serin EM conductor, which lies on trend with IsoEnergy Ltd.'s Hurricane Deposit and will also test the Turaco East conductor. A 2022 drill hole at Serin Lake, SL22-02A, encountered two graphitic zones with weak shearing and returned 331 ppm U over 0.8 metres (326.6 to 327.4 metres). The Serin Lake conductor remains prospective between SL22-02A and the historic hole SL-08 -01 and is still untested to the Northeast. Drilling is also scheduled for the Turaco East conductor where historic hole Q-2 returned an anomalous uranium result of 886 ppm over 30cm
in Q1 2024, the Company will conduct detailed airborne electromagnetic (EM) and radiometric surveys at its 100% owned Russell South project. Survey results will be used to define discrete tar-

gets for next step drilling

- during the summer months, the Company intends to conduct an airborne gravity survey over the high potential target zones identified during 2023 at the **Tabbernor project**



Sienna Resources Inc. announces it has acquired the Uranium Town Project and the Dragon Uranium Project via staking.

Highlights include:

- 10,357 acre Uranium Town Project borders Denison Mines Corporation

- 10,845 contiguous acre Dragon Uranium Project borders Cameco Corporation



Skyharbour Resources Ltd announces that is has acquired several new prospective uranium exploration claims through online staking and through an agreement with **Eagle Plains Resources Ltd**. Skyharbour also announces that it has commenced its winter drill campaign at its recently optioned **73,294 hectare Russell Lake Uranium Project**

Highlights include:

the drill-ready Foster property consists of 15 claims totaling 6,362 hectares approximately 20 km east of Cameco's Key Lake operation and adjoining the southwestern end of Skyharbour's Falcon Project, currently optioned out to North Shore Energy Metals Ltd. Skyharbour recently acquired these claims through online staking as well as acquiring additional claims from Eagle Plains
 Skyharbour recently acquired other uranium properties consisting of 7 claims totaling 23,822 hectares in and around the Athabasca Basin. One claim was staked on the northern edge of Skyharbour's Karin Project, increasing the extent of the Karin project to a total of 25,165 hectares in the Highrock Lake area

- commencement of Skyharbour's single largest, seasonal drill campaign consisting of **8,000 metres** with **5,000 metres (ten to twelve holes)** planned at **Russell Lake** and **3,000 metres (eight to ten** holes) planned at **Moore**

- drilling at **Russell** will be focused on the **Fork and Grayling East** targets within the broader **Grayling target area** as well as the **M-Zone Extension target**; drill testing several uriniferous conductors that extend from **Denison's adjacent Wheeler River Project** onto **Russell**

- drilling at **Moore** will include infill and expansion drilling at the high-grade **Maverick Corridor** as well as drill testing several regional targets including the **Grid Nineteen target area**

Standard Uranium Ltd announces that it has signed a term sheet with **Summit Fusion Pty. Ltd**., an arms-length private, Australian company to grant the option to earn a 75% interest in the **3,737**-**hectare Ascent Project**. Standard Uranium also announces its exploration plans for 2024, comprising multiple targeted exploration programs to continue advancing its uranium projects <u>Highlights include</u>:

- the Company's **Ascent project** is situated in the **Mudjatik geological domain** where several recent discoveries have been made, including **IsoEnergy's Hurricane deposit** to the southwest, and is significantly underexplored relative to adjacent magnetic low/electromagnetic ('EM') conductor corridors

- 2024 objectives include: plan and operate at minimum, three drill programs on three projects across the Basin, two of which will be partner-funded and provide operator fees to the Company
 - complete initial exploration and geophysical programs on the newly acquired Rocas and Corvo projects

- execute inaugural drill campaign(s) on **Canary, Ascent, and Atlantic projects**, ripe for discovery with untested targets

- complete definitive option agreement(s) on one or more additional projects, securing exploration expenditures and non-dilutive cash-flow into the Company – **Ascent project**

- 2024 will be the most ambitious year of exploration activities for the Company to date. The Company is well underway on preparations for drill campaigns, in addition to planning inaugural reconnaissance exploration on the **Rocas and Corvo projects**



Terra Uranium Ltd. expands its uranium footprint in the Athabasca Basin <u>Highlights include:</u>

- Terra Uranium has staked two 100% owned uranium claims covering **8,118 HA** along the **Cable Bay Sheer Zone**

- detailed regional assessment (gravity and magnetic interpretation) currently underway by the **T92** technical team of the **Pasfield Lake** geological feature identified the **Rapid River** area as highly prospective for uranium mineralization

- the new claims, held 100% by Terra Uranium, are situated on the West side of **Pasfield Lake** between its **Pasfield and Parker Projects**

- work programs planned for this year at **Rapid River** include surface exploration, airborne geophysics and ambient noise tomography (ANT)

- the new project is located on the opposite side of **Pasfield Lake** from its fully operation Base Camp enabling immediate low-cost access to the site

- T92 now has four 100% owned uranium projects in the Athabasca Basin covering 1,108 sq km

- three core projects of **Pasfield, Parker and HawkRock** have now been advanced from conceptual to 18 drill ready target areas in the first year of operations



Uranium Energy Corp. reports drill results from its **Roughrider Project**. Both exploration and metallurgical sample drilling have been successful at intersecting uranium mineralization <u>Highlights include:</u>

- **exploration drilling extends potential of East Zone deposit**: UEC commenced a drill program at **Roughrider** in November 2023 with the dual purpose of exploring for additional resources on the property and for collecting metallurgical samples in the existing resource areas to support future economic studies

- discovery of new high-grade vein hosted mineralization in hole RR-889 grading 6.29% eU3O8 over 2.9 metres ("m") ~25 m west of the East Zone deposit ("East Zone"): The mineralization is consistent with the grades and thicknesses of the East Zone and provides targets for resource expansion

- metallurgical drill program at Roughrider completed: UEC has completed four metallurgical holes that intersected grades and thicknesses of uranium mineralization consistent with the resource models of the three zones, the best result being hole RR-879, drilled through the East Zone, which graded 3.16% eU308 over 43.4 m with sub-intervals grading 4.05% eU308 over 12.6 m and 3.81% eU308 over 21.6 m

- Roughrider next steps: UEC plans to drill an additional 20 holes comprising about 9,000 m this winter to identify new areas of uranium mineralization. The current resource estimate includes
 27.8 million lb U308 comprising 389,000 tonnes grading 3.25% U308 in the Indicated category and 36.0 million lb U308 comprising 359,000 tonnes grading 4.55% U308 in the Inferred category



Arya Resources Inc. announces the completion of Phase 1 drill program on the company's historic **Dunlop Ni-Cu** project

Highlights include:

- The program consisted of 8 drill holes totalling 1045m

- the drill program is to test **Nickel-Copper targets** identified by the company's technical team which were identified with the help of industry specific software(s)

- the program concentrated on drilling targets identified at the East Zone

- the program was successful in intersecting the mineralized pyroxenite in all holes

- visually, the mineralization appears to be of similar nature to the zone intersected in the historic

drilling, **3-5%** disseminated and bleby pyrrhotite with trace to **1%** pentlandite and chalcopyrite

- locally, on a meter scale, sulphide content increases to 30%

- core is currently being cut at a secure facility in La Ronge, Saskatchewan, once cutting is complete the samples will be shipped to SRC Labs in Saskatoon for analysis. All assay results are pending



Eagle Plains Resources Ltd announces a planned senior management transition <u>Highlights include:</u>

- Tim J. Termuende, P.Geo. & Director has opted to resign as President and CEO and will transition into the role of Executive Chairman;

- Charles C. (Chuck) Downie, P.Geo. & Director has resigned as Vice-President, Exploration and has been appointed President and CEO;

- Jesse T. Campbell, B.Sc. is expected to join the Board of Directors of the Company until the next annual meeting of shareholders of the Company and will assume the role of Vice-President, Exploration following approval by the TSX Venture Exchange;

- Michael Labach has accepted the Corporate Development position; and

- Michelle McKeough, P.Geo. will succeed Mr. Campbell as President of TerraLogic Exploration Inc. (a wholly owned subsidiary of Eagle Plains) and Jarrod Brown, P.Geo. has been appointed Vice President of TerraLogic Exploration Inc. 2



Fathom Nickel Inc. announces that the winter exploration program at the Company's 100% owned **Albert Lake Project** will commence during the last week of January Highlights include:

- drilling will focus on the **Tremblay-Olson Claims** area, approximately 2 km SW of the historic **Rottenstone Mine**, where the Company has identified a very robust TDEM conductor

the Tremblay-Olson Showing, located 2.5km southwest of the historic Rottenstone Mine, is defined by a lens-shaped ultramafic body exposed on surface through trenching. Recorded trench values range from 0.16% Ni – 3.11% Ni; 0.06% Cu – 0.91% Cu; and 0.30 g/t – 1.01 g/t Pd+Pt
 drilling completed in 1987 in an area northeast of the Tremblay-Olson showing returned multiple intervals of anomalous Ni-Cu and Pd-Pt hosted in metasedimentary rock.

- a soil geochemistry program covering the **Tremblay-Olson Claims** area was completed in Q4-2022. This program identified a very robust multi-element-in-soil anomaly measuring approximately 4 sq km. The anomaly is centred **2.0 kilometers** southwest of the historic **Rottenstone Mine**

- in July 2023, approximately **37.0 line-km** of TDEM survey was completed over the soil anomaly and identified a very high priority EM conductor located on the eastern flank of the multi-element-in-soil anomaly the centre of which is located approximately 2.0km SW of the **Rottenstone Mine**



MURCHISON

MINERALS

Murchison Minerals Ltd. announces the commencement of the 2024 Winter Exploration Program at its 100%-owned **Cu-Zn-Ag-Pb-Au Volcanogenic Massive Sulphide BMK Project** Highlights include:

- commencement of the 2024 Winter Exploration Program consisting of diamond drilling proximal to the high-grade **BMK Cu-Zn-Ag-Pb-Au VMS Deposit**

- the Objective of the 2024 Program is the discovery of the copper stockwork zone associated with the formation of the **BMK Deposit**

- Priority targets for testing of copper rich zones are:

- CST, a HeliSAM target, which lies 400 m along strike to the southwest of the BMK Deposit
- **BMK South Extension** expansion area with copper rich intercepts at the southern extent of the **BMK Deposit**
- **BMK North Extension** expansion area with copper rich intercepts at the northern extent of the **BMK Deposit**
- the Program is anticipated to drill 3,500 m

SEARCHLIGHT RESOURCES

Searchlight Resources Inc announce the staking of the Milner Lake Uranium Project, located approximately 5 kilometres west of Missinipe

Highlights include:

- samples greater than 1.3% U3O8, on surface and close to infrastructure
- trench assays up to 0.50% U3O8.
- excellent location approximately 5 km from Missinipe and Highway 102



SKRR Exploration Inc announces that it has entered into a definitive agreement with X1 Entertainment Group Inc. pursuant to which X1 has agreed to acquire a 100% legal and beneficial interest in SKRR's wholly-owned Manson Bay project.

Highlights include:

- the Manson Bay Project is located in the Trans Hudson Corridor in east-central Saskatchewan, approximately 40km northwest of the historic mining center of Flin Flon, on the Manitoba border - the Manson Bay Project consists of thirteen contiguous mineral claims totaling 4,293.213 HA





ALX Resources Inc. announces the receipt of results from a Soil Gas Hydrocarbon geochemistry survey carried out on its 100%-owned **Gibbons Creek Uranium Project.** <u>Highlights include:</u>

- **SGH** is an analytical method developed by Activation Laboratories Ltd. of Ancaster, Ontario, Canada that is designed to detect subtle geochemical anomalies emanating from a buried source

- in November 2023, ALX collected **278 SGH** soil samples over an approximate **3.4 square kilometres** area within the 2023 **Gibbons Creek** ground magnetic survey grid to assist in developing new drill targets in previously untested areas

- the 2023 **SGH** survey was successful in identifying a strong uranium anomaly in a structurally complex area of the Project

- the outline of the uranium anomaly as delineated by Actlabs is depicted as a roughly-oval shape measuring approximately **500 metres wide by 1,000 metres long**, with the majority of its surface area untested by historical drill holes

- in combination with the fault structures defined by ALX's "walking mag" survey in late 2023, the **SGH** survey results have provided compelling evidence for new drill targets at **Gibbons Creek**

- ALX has an active drill permit for **Gibbons Creek**, good until April 2024, and is currently planning a diamond drilling program for the winter of 2024



Angold Resources Ltd. announces its shares resumed trading at the opening of the market on January 15, 2024. This follows the Company's recently announced definitive agreement to acquire 1443904 B.C. Ltd. Upon closing of the Transaction, the Company will secure options on three highly prospective, permitted, drill-ready projects in Saskatchewan's Uranium City area from Fortune Bay Corp and Standard Uranium Ltd. Angold also proceeds towards name change to Aero Energy Limited. Angold Resources Ltd. continued.

Highlights include:

- **Murmac Property** - Multiple Targets Developing: The **Armbruster Corridor** on the **Murmac Property** hosts a high-grade boulder that assayed **8.82% U3O8**, located near naturally occurring radioactive springs measuring between **3,000** and **15,000 counts per second**, underscoring the potential for high-grade, basement-hosted mineralization.

- Strike Property - Discovery Concept Confirmed: The L Corridor on the Strike Property hosts the Tena uranium showing, with 1,000 tons mined in the 1950s at grades between 0.6 and 3.5% U3O8 and where recent work shows exploration signatures consistent with Athabasca Basin-associated high-grade mineralization.

- **Sun Dog Property** - History of Production: The **Sun Dog Property** hosts the **Gunnar Mine**, at one time the world's largest uranium producer, yielding **18M lbs of U3O8** from 1953 to 1981, with recent drilling identifying one new uranium occurrence along with extensive hydrothermal alteration.

- Additional Exploration Upside: Collectively the Saskatchewan uranium properties are host to a preliminary cumulative EM-conductor corridor length exceeding 125 km where planned airborne and ground geophysics is expected to generate additional corridors of interest.



Appia Rare Earths and Uranium Corp. announces significant initial geochemical assay results derived from the 2023 drilling program conducted on the Magnet Ridge Zone at its Alces Lake Project. Appia also announces a new cooperation agreement with the Ya'thi Néné Lands and Resources Office.

Highlights include:

- assays of up to **1.57 wt.% (15,700 ppm)** Total Rare Earth Oxides (TREO) were returned, with thickness and grades increasing to the south-southeast

- highest Grade Intercepts:

- Hole 23-MR-001: 21.91 m width @ 0.366 wt.% TREO, including 2.67 m @ 0.660 wt.% TREO

- Hole 23-MR-002: 25.5 m width @ 0.329 wt.% TREO, including 2.11 m @ 0.389 wt.% TREO and 4.68 m @ 0.520 wt.% TREO

- Hole 23-MR-003: 30.5 m width @ 0.292 wt.% TREO, including 1.00 m @ 0.537 wt.% TREO

- Hole 23-MR-006: 6.31 m width @ 0.267 wt.% TREO

- Hole 23-MR-007: 9.29 m width @ 0.384 wt.% TREO, including 0.50 m @ 0.650 wt.% TREO - Hole 23-MR-010: 1.80 m width @ 0.246 wt.% TREO

- mineralization intervals occur from near surface to < 85 metres depth; multiple intervals in 23-MR-002 and 23-MR-003, extending downward in a westerly direction

- future exploration to continue in the west-southwest (WSW); extending downward into current intersections towards the mineralization at **Magnet Ridge West (MRW)**

the cooperation agreement underscores the mutual commitment of Appia and YNLR to foster a sustainable and collaborative relationship, both in the present and for the foreseeable future
 the cooperation agreement encompasses provisions related to harvest compensation, contributions to YNLR's established community trust, and opportunities for employment and contracting with northern businesses



ATHA Energy Corp announces results from its large-scale electromagnetic surveys at its 100% owned **North Valour-East project**. ATHA also discovers high-priority electromagnetic target coincident with **11.3% U3O8** boulder sample.

Highlights include:

- Expert's MobileMT and Mag survey was successfully deployed at **North Valour-East**, with a total of **2,569-line km** flown

- numerous conductors with interpreted cross-cutting structures were identified across the Project and are related to the **Black Bay Fault**

- 24 km of high-priority conductive lineaments have been identified within the North Valour-East Project

- Uranium mineralization has been discovered at twelve locations across the Valour Project area, as well as a number of additional uranium showings that are within kilometres of North Valour and hosted within untested structures that extend on to the property. These showings have grades of up to 27% U3O8, identified from historic surface grab sample 6 km to the south of North Valour, which are associated with an untested easterly striking fault that extends to North Valour

- analysis of the EM survey results have identified a high-priority target area that shows a magnetic low with an associated conductor, coincident with an outcrop containing high-grade uranium mineralization
 - Uriniferous boulder train discovered on the North Beacon Project – with grades of up to 11.3% U308
 – analysis of the boulder train ice direction show they are likely derived from a source coincident with the Snowbird Tectonic Zone, on the Crest Project

- Geotech's ZTEM and Mag survey was successfully deployed at the **North Beacon** and **North Crest Projects**, with a total of **6,905-line km flown**

- the North Beacon Project hosts two locations where uranium mineralization has been discovered

- the North Crest hosts three locations where uranium mineralization has been discovered

- additional uranium showings have been identified on untested structures that extend on to the properties of both Projects, highlighted by a uranium showing that returned **3552 ppm U308** in drillhole **BL-02** below the unconformity, which is located 10 km from the **North Beacon Project** and 7 km from the **North Crest Project**



Baselode Energy Corp provides the 2024 exploration plans for the Company's **Bear, Catharsis & Hook** uranium projects

Highlights include:

- \$12,000,000 for uranium delineation and exploration committed for 2024
- four drill programs planned across Baselode's Uranium Project Portfolio
- the first drill program is scheduled to begin mid-February



Fortune Bay Corp announces the acquisition of the Spruce Uranium Project and the Pine Uranium Project via staking.

Highlights include:

- Spruce Uranium project:

- located in proximity to the northern rim of the Athabasca Basin with potential for high-grade, basement-hosted uranium deposits
- covers over **six kilometres** of prospective strike length along the **Grease River Shear Zone**, a major structural corridor that hosts the historical **Fond du Lac uranium deposit**
- the GRSZ is significantly underexplored relative to other major, Basin-margin structural corridors that have yielded significant basement-hosted uranium discoveries (e.g. Arrow, Triple R and Eagle Point)
- historical surface uranium showings of **1.60% U3O8 and 0.65% U3O8** from limited prospecting
- additional Rare Earth Element potential, including historical surface REE showings of 3.13% total rare earth element, 1.23% TREE, 0.88% TREE and 0.85% TREE
- adjacent to properties held by **IsoEnergy Ltd**., and **Forum Energy Metals Corp**. (under option to **Traction Uranium Inc**.) that recently highlighted prospective conductive trends on the Proect through airborne electromagnetic surveying

- Pine Uranium project:

- large-scale land package covering **17,688 hectares** located in proximity to the northern rim of the Athabasca Basin
- potential for high-grade, basement-hosted uranium deposits along approximately thirteen km of the Grease River Shear Zone, a major structural corridor that hosts the historical Fond du Lac uranium deposit
- additional potential for bulk tonnage Rössing-style uranium deposits associated with abundant, historically recognized, uranium-bearing leucogranites and pegmatites. Limited historical prospecting yielded Rössing-style surface uranium showings of 0.17% U3O8 (1,442 ppm U) and 0.10% U3O8 (848 ppm U), and a trenching result of 509 ppm U over 24.7 metres
- no modern airborne radiometric surveying completed over approximately 60% of the Project, and no modern airborne electromagnetic surveying; no drilling conducted on property to date
- regionally, the area is characterized by the highest lake sediment uranium anomalies in Saskatchewan, including values up to **435 ppm U** within the Project area



Fulcrum Metals plc provides an update on its Saskatchewan exploration assets <u>Highlights include:</u>

- **Charlot-Neely Uranium project** - an additional **2,703 hectares** staked covering the highly prospective **Black Bay Fault** contiguous to the **Charlot-Neely uranium** project and **1,188 hectares** optioned covering an area to the west of **Charlot-Neely** which now totals **16,372 hectares** (+31%)

Snowbird project - 24,187 hectares staked and option over 8,649 hectares, totalling 32,835 hectares. The property includes several uranium airborne anomalies and rare earth lake sediment anomalies along major faulting on trend with historic uranium mines and major uranium projects
 South Pendleton - 2,472 hectares staked and option over 1,644 hectares, totalling 4,116 hectares. The area is sparsely mapped but within the property are several airborne uranium anomalies in the highly prospective Needle Falls Shear Zone and major faulting on trend with historic urani-

um mines such as **Rabbit Lake** and further projects having recently obtained significant partnerships

- Following the addition of the new staked and areas under option, the Company's Saskatchewan uranium footprint has the potential to cover **59,310 hectares (593km2)**



Standard Uranium Ltd announces that it has signed a term sheet with **Summit Fusion Pty. Ltd**., an arms-length private, Australian company to grant the option to earn a 75% interest in the **3,737**-**hectare Ascent Project**. Standard Uranium also announces its exploration plans for 2024, comprising multiple targeted exploration programs to continue advancing its uranium projects <u>Highlights include</u>:

- the Company's **Ascent project** is situated in the **Mudjatik geological domain** where several recent discoveries have been made, including **IsoEnergy's Hurricane deposit** to the southwest, and is significantly underexplored relative to adjacent magnetic low/electromagnetic ('EM') conductor corridors

- 2024 objectives include: plan and operate at minimum, three drill programs on three projects across the Basin, two of which will be partner-funded and provide operator fees to the Company - complete initial exploration and geophysical programs on the newly acquired **Rocas and Corvo** projects

- execute inaugural drill campaign(s) on **Canary, Ascent, and Atlantic projects**, ripe for discovery with untested targets

- complete definitive option agreement(s) on one or more additional projects, securing exploration expenditures and non-dilutive cash-flow into the Company – **Ascent project**

- 2024 will be the most ambitious year of exploration activities for the Company to date. The Company is well underway on preparations for drill campaigns, in addition to planning inaugural reconnaissance exploration on the **Rocas and Corvo projects**



Star Diamond Corp provides update on Star Diamond's acquisition of **Rio Tinto Canada Inc's 75%** interest in the **Fort à la Corne Joint Venture**

Highlights include:

- **Star Diamond and RTEC** have worked together diligently to submit the documentation required to complete the transfer of the Permit to Operate for the Fort à la Corne properties

- this process requires that an updated Decommissioning and Reclamation Plan be submitted to the Saskatchewan Ministry of the Environment for its approval

- **Star Diamond and RTEC** have been in active discussions with the MoE and, based upon those discussions, Star Diamond believes that all documents required by the MoE have been submitted for its review



Traction Uranium Corp announces that the 2024 winter gravity survey at the **Hearty Bay** project has been completed

Highlights include:

- a total of **2155 stations** were measured, the grid starting at the head of the two radioactive boulder trains and covering both up-ice directions and to the east, which is interpreted to be an older ice direction based on glacial features to the south

- the survey has identified a number of gravity lows, several located northeast (up-ice) of the boulder train, but slightly more east than where the historic drilling was targeting

- these targets are up to **500m** long with the three anomalous areas on the east side lining up along a possible north-south fault system

- this complex setting, nicely defined by the new gravity survey, will hopefully lead **Traction** and **F3** to discovering the source of the radioactive boulder trains (boulders grading up to **8.23% U3O8**) that has eluded exploration programs in the past

- the upcoming drill program is slated to start near the end of February – early March and will consist of approximately **2,000 metres**

URANIUM

92 Energy Ltd provides an update on its proposed merger with **ATHA Energy Corp** <u>Highlights include:</u>

- ATHA has applied to list all of its outstanding common shares on the TSX Venture Exchange

- The Proposed TSXV Listing is conditional on the satisfaction by **ATHA** of the conditions to listing imposed by the TSXV and there can be no assurance that such approval will be received, or that it will be approved before the Scheme is implemented

- ATHA has also advised the market that it expects to satisfy the requirements of the Canadian Securities Exchange (CSE) with respect to shareholder approval for the Scheme and its acquisition of Latitude Uranium Inc.

- Accordingly, the Scheme Implementation Deed has been amended to allow for **ATHA** to proceed with the Proposed TSXV Listing and the signing of the written resolution concerning the Merger Transactions in lieu of a special shareholders meeting

ALX Resources Inc. announces that it has received the results of an airborne Z-Axis Tipper electromagnetic survey (ZTEM[™]) flown in June 2023 at the **Hook-Carter Uranium** projects. <u>Highlights include:</u>

- Exploration at **Hook-Carter** is operated by **Denison Mines Corp**. and the Project is owned 80% by Denison and 20% by ALX

- ZTEM[™] is a deep-penetrating airborne electromagnetic ("EM") survey method known to be an effective exploration method for detecting geophysical conductors that may be associated with unconformity uranium mineralization

- the 2023 **Hook-Carter** ZTEM[™] survey successfully outlined historical conductors present at **Hook-Carter** and resolved new conductors in deeper terrain that were not identified by previous geophysical surveys

ALX Resources Inc. announces the receipt of results from a Soil Gas Hydrocarbon geochemistry survey carried out on its 100%-owned **Gibbons Creek Uranium Project.** <u>Highlights include:</u>

- **SGH** is an analytical method developed by Activation Laboratories Ltd. of Ancaster, Ontario, Canada that is designed to detect subtle geochemical anomalies emanating from a buried source

- in November 2023, ALX collected **278 SGH** soil samples over an approximate **3.4 square kilometres** area within the 2023 **Gibbons Creek** ground magnetic survey grid to assist in developing new drill targets in previously untested areas

- the 2023 **SGH** survey was successful in identifying a strong uranium anomaly in a structurally complex area of the Project

- the outline of the uranium anomaly as delineated by Actlabs is depicted as a roughly-oval shape measuring approximately **500 metres wide by 1,000 metres long**, with the majority of its surface area untested by historical drill holes

- in combination with the fault structures defined by ALX's "walking mag" survey in late 2023, the **SGH** survey results have provided compelling evidence for new drill targets at **Gibbons Creek**

- ALX has an active drill permit for **Gibbons Creek**, good until April 2024, and is currently planning a diamond drilling program for the winter of 2024

Angold Resources Ltd. announces its shares resumed trading at the opening of the market on January 15, 2024. This follows the Company's recently announced definitive agreement to acquire 1443904 B.C. Ltd. Upon closing of the Transaction, the Company will secure options on three highly prospective, permitted, drill-ready projects in Saskatchewan's Uranium City area from Fortune Bay Corp and Standard Uranium Ltd. Angold also proceeds towards name change to Aero Energy Limited.

Highlights include:

- Murmac Property - Multiple Targets Developing: The Armbruster Corridor on the Murmac Property hosts a high-grade boulder that assayed 8.82% U3O8, located near naturally occurring radioactive springs measuring between 3,000 and 15,000 counts per second, underscoring the potential for high-grade, basement-hosted mineralization.

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 - Additional Exploration Upside: Collectively the Saskatchewan uranium properties are host to a preliminary cumulative EM-conductor corridor length exceeding 125 km where planned airborne and ground geophysics is expected to generate additional corridors of interest.

ATHA Energy Corp provides update on its previously announced proposed acquisition transactions with Latitude Uranium Inc. and 92 Energy Ltd.

Highlights include:

- announces that in accordance with the policies of the Canadian Securities Exchange (the "CSE"), it expects to satisfy the requirements of the CSE with respect to shareholder approval for the Transactions by way of a written resolution (the "Written Consent Resolutions") executed by shareholders of **ATHA** holding greater than 50% of the issued and outstanding common shares of **ATHA** ("ATHA Shares"), and accordingly, has cancelled its previously called meeting of shareholders - announces that it has applied to list (the "Proposed TSXV Listing") the **ATHA** Shares on the TSX Venture Exchange (the "TSXV")

- announce that it has entered into an amended and restated binding scheme implementation deed (the "A&R 92E SID") with 92E dated January 25, 2024, amending and restating the binding scheme implementation deed dated December 7, 2023, to allow for ATHA to proceed with the Proposed TSXV Listing and Written Consent Resolutions in lieu of a meeting of ATHA shareholders
 - ATHA and 92E are currently actively working towards the finalization of the meeting materials for

the meeting of holders of **92E** shares

- ATHA also announces that it has filed restated interim financial statements and associated management's discussion and analysis for the nine-month period ended September 30, 2023

ATHA Energy Corp announces results from its large-scale electromagnetic surveys at its 100% owned **North Valour-East project**. ATHA also discovers high-priority electromagnetic target coincident with **11.3% U308** boulder sample.

Highlights include:

- Expert's MobileMT and Mag survey was successfully deployed at **North Valour-East**, with a total of **2,569-line km** flown

- numerous conductors with interpreted cross-cutting structures were identified across the Project and are related to the **Black Bay Fault**

- 24 km of high-priority conductive lineaments have been identified within the North Valour-East Project

- Uranium mineralization has been discovered at twelve locations across the **Valour Project** area, as well as a number of additional uranium showings that are within kilometres of **North Valour** and hosted within untested structures that extend on to the property. These showings have grades of up to **27% U308**, identified from historic surface grab sample **6 km** to the south of **North Valour**, which are associated with an untested easterly striking fault that extends to **North Valour** - analysis of the EM survey results have identified a high-priority target area that shows a magnetic

- analysis of the EM survey results have identified a high-priority target area that shows a magnetic low with an associated conductor, coincident with an outcrop containing high-grade uranium mineralization

- Uriniferous boulder train discovered on the **North Beacon Project** – with grades of up to **11.3% U3O8** – analysis of the boulder train ice direction show they are likely derived from a source coincident with the **Snowbird Tectonic Zone**, on the **Crest Project**

- Geotech's ZTEM and Mag survey was successfully deployed at the North Beacon and North Crest Projects, with a total of 6,905-line km flown

- the North Beacon Project hosts two locations where uranium mineralization has been discovered

- the North Crest hosts three locations where uranium mineralization has been discovered

- additional uranium showings have been identified on untested structures that extend on to the properties of both Projects, highlighted by a uranium showing that returned **3552 ppm U308** in drillhole **BL-02** below the unconformity, which is located 10 km from the **North Beacon Project** and 7 km from the **North Crest Project**

Azincourt Energy Corp. provides update on preparations for winter drill program at East Preston Uranium Project.

Highlights include:

- planning a follow up drill program for the winter of 2024, consisting of **1,000 to 1,500 meters** of drilling in up to five diamond drill holes, with potential to expand the program

- priority will be to follow up on the clay alteration zone with elevated uranium that was identified in the winter of 2023 with a focus on the area of transition between the **K- and H-Zones**

- the 2023 program included **3,066 meters** of drilling which confirmed extensive dravite, illite and kaolinite clay alteration in the **K-Zone**, extended the strike length to **1500m**, and confirmed uranium enrichment within the previously discovered alteration along the **K- and H-Zones**

- program is anticipated to utilize one helicopter supported drill rig based from a local contractor camp, with reduced disturbance due to the lack of an access road

Baselode Energy Corp provides the 2024 exploration plans for the Company's **Bear, Catharsis & Hook** uranium projects

Highlights include:

- \$12,000,000 for uranium delineation and exploration committed for 2024

- four drill programs planned across Baselode's Uranium Project Portfolio

- the first drill program is scheduled to begin mid-February

Basin Energy Ltd. provides an overview of activities for the period ending 31 December 2023 <u>Highlights include:</u>

- preparation for phase 2 drilling program at **Geikie** commenced following the initial drilling success which included:

-Anomalous uranium discovered in four of the eight holes drilled, up to 0.27% U308

-Elevated lead isotope anomalies and extensive hydrothermal alteration observed in 5 holes indicate potential for a major uranium mineralising system.

- airborne gravity results from **Geikie** received, identifying multiple targets proximal to phase one drilling success.

- preparations for ground electromagnetics survey commenced following significant anomalies identified through 3D inversion of **North Millennium** and **Marshall** historic geophysical data.

- continued engagement and consultation with Indigenous and stakeholder groups.

- U3O8 spot price surpasses **US\$100/Lb**; hitting **16-year high**, with uranium spot price trading as high as **US\$106/Lb** during January 2024

CanAlaska Uranium Ltd. is preparing for winter drill programs at three of its projects; with drill crew mobilization beginning at **West McArthur JV**. Also announces it has entered into a property purchase agreement with **Cosa Resources Corp**. for the sale of the **Titan Project** and that CanAlaska has acquired the **Nebula Project** from **F3 Uranium**. CanAlaska also announces that is entered into a Letter of Intent with **Nexus Uranium Corp** to allow Nexus to earn up to a 75% interest in the **Cree East Project**.

Highlights include:

- \$7.5 Million Drilling Program at **West McArthur JV High-Grade Pike Zone**. Mobilization of drill crews and equipment has begun. The 2024 **West McArthur** drill program will focus on continued expansion of the **Pike Zone** discovery and along strike unconformity testing to the NE and SW

- CanAlaska also reports that it has received assay results from the 2023 fall drill program at the **West McArthur** project. Geochemical assay results are highlighted by drill hole **WMA082-2** in the **Pike Zone** which returned a high-grade intersection grading **1.03% U308** over **6.3 metres**, including a sub-interval of **2.82% U308** over **1.9 metres**

- \$2.7 Million Geophysics and Drilling Program Planned at Moon Lake South JV

- Multiple Drilling Programs Planned on Partner Sole-Funded Projects

- the acquired **Nebula Project**, formerly known as **F3 Uranium's Hobo Lake Property**, is located in the southeastern Athabasca Basin and covers **14,854 hectares**. The Project is located approximately 35 kilometres southwest of the **Key Lake Mine and Mill** complex and covers over 40 kilometres of the interpreted **Key Lake structural corridor** and associated conductors.

- the **Cree East Project** is located in the southeastern Athabasca Basin and covers **57,752 hectares**. The Project is located 35 km west of the **Key Lake Mine and Mill Complex**. **Nexus** may earn up to a 75% interest in the Project by undertaking work and payments in three defined earn-in stages

Cosa Resources Corp. announces commencement of ground geophysics and access trail establishment at 100% owned **Ursa project**. Cosa also announces completion of the previously announced acquisition of the **Titan uranium property** from **CanAlaska Uranium Ltd**. <u>Highlights include:</u>

- **80 km** of ground-based electromagnetic (EM) surveying to be completed over five target areas - results will aid targeting for initial drill campaign planned for Q1 2024

best-in-class EM technology and modelling techniques, a significant advantage over the techno-

logical limitations of the historical work at Ursa

- eight mineral dispositions totalling **9,333 hectares** have been acquired, doubling the size of Cosa's **Orion Project** to **18,332 hectares**

- the expanded **Orion Project** captures over **22** kilometres of the fertile Larocque Lake trend, which hosts the Hurricane Deposit and several other significant uranium showings

- Orion now captures nearly **12 kilometres** of the **Cigar Lake trend** where it intersects the **Larocque Lake trend**, both of which host several mineralized intercepts and uranium deposits

Denison Mines Inc. announces along with **Orano Canada Inc**, as joint-venture partners in the **McClean Lake Joint Venture**, that the **MLJV** has approved a restart of uranium mining operations using the joint venture's patented **Surface Access Borehole Resource Extraction** ("SABRE") mining method. Orano Canada owns a 77.5% interest and is the operator of the MLJV and Denison owns a 22.5% interest

Highlights include:

- mining is planned to commence at the **McClean North deposit** in 2025, with 2024 activities expected to focus on preparations necessary to ready the existing **SABRE** mining site and equipment for continuous commercial operations, as well as the installation of eight pilot holes for the first mining cavities planned for excavation

- Approximately **800,000 lbs U3O8** (100% basis) are targeted for production from **McClean North** in 2025, with approximately **3,000,000 lbs U3O8** (100% basis) identified for potential additional production from a combination of the **McClean North** and **Caribou** deposits during the years 2026 to 2030

F3 Uranium Corp announces commencement of 2024 winter drill campaign on its 100%-owned **Patterson Lake North** project and subsequent results from the first completed drill hole. F3 announces it has entered into a property swap agreement with **CanAlaska Uranium Ltd**. Pursuant to which F3 will receive **CanAlaska's Patterson West Property** in exchange for **F3's Hobo Lake Property**. F3 also announces intention to spin-out **F4 Uranium Corp**.

Highlights include:

- drill program focuses initially on the **JR Zone** and the **B1 Area**, located 3km south of the **JR Zone** - drill targets at the **B1 Area** are being developed through the integration of 3D-DCIP ground resistivity that is nearing completion, along with ground EM data and drill core geochemistry

- PLN24-116 (line 075S): 16.5m mineralization from 224.0m - 240.5m, including 6.05m composite high-grade radioactivity (> 10,000 cps) between 224.85 and 232.40m including 2.05 composite off -scale radioactivity (> 65,535 cps) between 227.00 and 231.25m, and 0.5m mineralization from 272.00m - 272.5m with up to 23,600 cps

F3 Uranium Corp Highlights continued:

- the **Patterson West Property** is located in the **Patterson Lake** area of the Athabasca Basin, and ~12 km west of the **Triple R and Arrow uranium deposits**. The **PW Property** claims, totaling **3,015** ha, are ideally situated in relation to F3's other PLN Project properties and through incorporation into the **Broach Lake Property** will further the Company's objective to maintain a singular focus on its **PLN Project** and to expand upon the **JR Zone discovery**

- F3 has initiated steps to spin-out 14 of the Company's prospective uranium exploration projects in the Athabasca Basin including the Murphy Lake, Cree Bay, Hearty Bay, Clearwater West, Wales Lake, Todd, Smart Lake, Lazy Edward Bay, Grey Island, Seahorse Lake, Bird Lake, Beaver River, Bell Lake and Flowerdew Lake properties into a newly incorporated wholly-owned subsidiary to be named F4 Uranium Corp. The Patterson Lake North Property along with the Broach and Minto Properties totaling 39,946 hectares, will remain with F3

Fortune Bay Corp announces the acquisition of the Spruce Uranium Project and the Pine Uranium Project via staking.

Highlights include:

- Spruce Uranium project:

- located in proximity to the northern rim of the Athabasca Basin with potential for high-grade, basement-hosted uranium deposits
- covers over **six kilometres** of prospective strike length along the **Grease River Shear Zone**, a major structural corridor that hosts the historical **Fond du Lac uranium deposit**
- the GRSZ is significantly underexplored relative to other major, Basin-margin structural corridors that have yielded significant basement-hosted uranium discoveries (e.g. Arrow, Triple R and Eagle Point)
- historical surface uranium showings of 1.60% U3O8 and 0.65% U3O8 from limited prospecting
- additional Rare Earth Element potential, including historical surface REE showings of 3.13% total rare earth element, 1.23% TREE, 0.88% TREE and 0.85% TREE
- adjacent to properties held by **IsoEnergy Ltd**., and **Forum Energy Metals Corp**. (under option to **Traction Uranium Inc**.) that recently highlighted prospective conductive trends on the Proect through airborne electromagnetic surveying

- Pine Uranium project:

- large-scale land package covering **17,688 hectares** located in proximity to the northern rim of the Athabasca Basin
- potential for high-grade, basement-hosted uranium deposits along approximately thirteen km of the **Grease River Shear Zone**, a major structural corridor that hosts the historical Fond du Lac uranium deposit
- additional potential for bulk tonnage Rössing-style uranium deposits associated with abundant, historically recognized, uranium-bearing leucogranites and pegmatites. Limited historical prospecting yielded Rössing-style surface uranium showings of 0.17% U3O8 (1,442 ppm U) and 0.10% U3O8 (848 ppm U), and a trenching result of 509 ppm U over 24.7 metres
- no modern airborne radiometric surveying completed over approximately 60% of the Project, and no modern airborne electromagnetic surveying; no drilling conducted on property to date
- regionally, the area is characterized by the highest lake sediment uranium anomalies in Saskatchewan, including values up to 435 ppm U within the Project area

Fission Uranium Corp. announces that preparations are underway to commence its **~6,000m** winter regional exploration program at the **PLS high-grade uranium** project in Canada's Athabasca Basin

Highlights include:

- Bryson Drilling Ltd. of Archerwill SK , has been contracted to conduct the drilling program

- Two diamond drill rigs are now on site and being positioned with the first holes testing the **Saloon** and **Holster target areas**: **DDH-A** and **DDH-B** respectively

- Holster Target: One drillhole totaling 645m is currently planned to test the Holster target

- Saloon Target: Up to four holes in 1,915m are currently planned to test the Saloon target area

- Pistol Target: Two holes in 1,600m will test this encouraging target

- East Extension: One drillhole is planned at this target, with an estimated total of 330m

- Bridle & Saddle Targets: Three drillholes are planned at these targets, totaling 960m

- Far West Targets: Two drillholes are planned at these targets, totaling 630m

Fulcrum Metals plc provides an update on its Saskatchewan exploration assets <u>Highlights include:</u>

- Charlot-Neely Uranium project - an additional 2,703 hectares staked covering the highly prospective Black Bay Fault contiguous to the Charlot-Neely uranium project and 1,188 hectares optioned covering an area to the west of Charlot-Neely which now totals 16,372 hectares (+31%)

- Snowbird project - 24,187 hectares staked and option over 8,649 hectares, totalling 32,835 hectares. The property includes several uranium airborne anomalies and rare earth lake sediment anomalies along major faulting on trend with historic uranium mines and major uranium projects

- South Pendleton - 2,472 hectares staked and option over 1,644 hectares, totalling 4,116 hectares. The area is sparsely mapped but within the property are several airborne uranium anomalies in the highly prospective Needle Falls Shear Zone and major faulting on trend with historic uranium mines such as Rabbit Lake and further projects having recently obtained significant partnerships

- Following the addition of the new staked and areas under option, the Company's Saskatchewan uranium footprint has the potential to cover **59,310 hectares (593km2)**

IsoEnergy Ltd announces the commencement of its 2024 winter exploration program Highlights include:

- a total of **8,250 metres** of drilling is planned for the winter with a budget of \$4 million focused on two highly prospective projects

- Larocque East, which contains the high-grade Hurricane deposit and Hawk

- the program will drill test targets to the east of the Hurricane deposit at the Larocque East Project and new targets generated in 2023 at the Hawk Project

- the diamond drilling services contract for the 2024 exploration programs has been awarded to the highly experienced drill contractor Team Drilling who are mobilizing to site

- drilling is expected to commence with two rigs on the **Hawk project** in late January with **Larocque East** drilling to follow. Both programs are expected to be completed by April. Results from both programs will inform plans for summer work programs

Nexus Uranium Corp. announces it has entered into a letter of intent with **CanAlaska Uranium Ltd**. to negotiate and enter into an option agreement pursuant to which Nexus will acquire up to a 75%-interest in the **Cree East uranium project**

Highlights include:

the Cree East project is comprised of 17 contiguous mineral claims covering an area of 57,752 ha of highly prospective terrain in the eastern Athabasca Basin with extensive historical exploration
 the Project has been extensively explored, with over \$20 million in exploration expended since 2006, which has led to the delineation of multiple zones of uranium mineralization associated with graphitic conductors and large hydrothermal alteration halos, both in basement and sandstone environments, at depths ranging from 100 metres to 450 metres below surface

Purepoint Uranium Group Inc. announces exploration plans for 2024 with field programs at its two joint ventures and four of its 100% owned projects

Highlights include:

- drilling is set to begin shortly at the **Hook Lake JV project**, jointly owned by Cameco Corp. (39.5%), Orano Canada Inc. (39.5%) and Purepoint Uranium Group Inc. (21%) as operator. Mobilization is currently underway and proceeding well despite unseasonably cold temperatures

- in April, Purepoint will conduct Stepwise Moving Loop and Fixed Loop Transient EM surveys at the **Smart Lake JV project**, jointly owned by Cameco Corp. (73%), and Purepoint Uranium Group Inc. (27%) as operator. Survey results from the northern **Groomes Lake conductor** will be used to define discrete targets for next step drilling

- plans have been completed for this Spring's drill program at the Company's 100% owned **Red Willow** project. Drilling will initially target the **Long Lake** area where over **5 kilometres** of favourable EM conductors remains to be drill tested and historic drilling intersected a **1.6 metre** radioactive structure in **LL08-05** that included **269 ppm U over 0.5 m**

Purepoint's Turnor Lake project is scheduled for drilling in late Q3 2024. Drilling will target the 2.3 km long Serin EM conductor, which lies on trend with IsoEnergy Ltd.'s Hurricane Deposit and will also test the Turaco East conductor. A 2022 drill hole at Serin Lake, SL22-02A, encountered two graphitic zones with weak shearing and returned 331 ppm U over 0.8 metres (326.6 to 327.4 metres). The Serin Lake conductor remains prospective between SL22-02A and the historic hole SL-08 -01 and is still untested to the Northeast. Drilling is also scheduled for the Turaco East conductor where historic hole Q-2 returned an anomalous uranium result of 886 ppm over 30cm

- in Q1 2024, the Company will conduct detailed airborne electromagnetic (EM) and radiometric surveys at its 100% owned **Russell South** project. Survey results will be used to define discrete targets for next step drilling

- during the summer months, the Company intends to conduct an airborne gravity survey over the high potential target zones identified during 2023 at the **Tabbernor project**

Searchlight Resources Inc announce the staking of the **Milner Lake Uranium Project**, located approximately 5 kilometres west of Missinipe Highlights include:

- samples greater than 1.3% U3O8, on surface and close to infrastructure
- trench assays up to 0.50% U3O8.
- excellent location approximately 5 km from Missinipe and Highway 102

Sienna Resources Inc. announces it has acquired the Uranium Town Project and the Dragon Uranium Project via staking.

Highlights include:

- 10,357 acre Uranium Town Project borders Denison Mines Corporation

- 10,845 contiguous acre Dragon Uranium Project borders Cameco Corporation

Skyharbour Resources Ltd announces that is has acquired several new prospective uranium exploration claims through online staking and through an agreement with **Eagle Plains Resources Ltd**. Skyharbour also announces that it has commenced its winter drill campaign at its recently optioned **73,294 hectare Russell Lake Uranium Project**

Highlights include:

the drill-ready Foster property consists of 15 claims totaling 6,362 hectares approximately 20 km east of Cameco's Key Lake operation and adjoining the southwestern end of Skyharbour's Falcon Project, currently optioned out to North Shore Energy Metals Ltd. Skyharbour recently acquired these claims through online staking as well as acquiring additional claims from Eagle Plains
 Skyharbour recently acquired other uranium properties consisting of 7 claims totaling 23,822 hectares in and around the Athabasca Basin. One claim was staked on the northern edge of Skyharbour's Karin Project, increasing the extent of the Karin project to a total of 25,165 hectares in the Highrock Lake area

- commencement of Skyharbour's single largest, seasonal drill campaign consisting of **8,000 metres** with **5,000 metres (ten to twelve holes)** planned at **Russell Lake** and **3,000 metres (eight to ten holes)** planned at **Moore**

- drilling at **Russell** will be focused on the **Fork and Grayling East** targets within the broader **Grayling target area** as well as the **M-Zone Extension target**; drill testing several uriniferous conductors that extend from **Denison's adjacent Wheeler River Project** onto **Russell**

- drilling at **Moore** will include infill and expansion drilling at the high-grade **Maverick Corridor** as well as drill testing several regional targets including the **Grid Nineteen target area**

Stallion Uranium Corp announces completion ground-based time-domain electromagnetic (EM) geophysical survey over the high priority **Appaloosa Target** on its 100% owned **Coffer Uranium Project.** Stallion also announces that it has engaged Axiom Exploration Group to conduct an Aerial Gravity Survey over **Gunter Lake**. Stallion announces that it has acquired by staking three new prospective uranium exploration dispositions.

Highlights include:

- data from **Coffer** has now moved into final processing and modeling to be available as Stallion prepares for their maiden drill program; preliminary data highlights high priority targets

the data from the planned gravity survey at Gunter Lake, when paired with the existing data from the VTEM[™] Plus survey completed last year, will identify potential uranium alteration zones
the three newly acquired dispositions add an additional 13,175 hectares to Stallion's 100% owned holdings in the Athabasca Basin increasing Stallion's total land package to 313,381 hectares (774,38 1 acres)

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Standard Uranium Ltd announces that it has signed a term sheet with **Summit Fusion Pty. Ltd**., an arms-length private, Australian company to grant the option to earn a 75% interest in the **3,737**-**hectare Ascent Project**. Standard Uranium also announces its exploration plans for 2024, comprising multiple targeted exploration programs to continue advancing its uranium projects <u>Highlights include</u>:

- the Company's **Ascent project** is situated in the **Mudjatik geological domain** where several recent discoveries have been made, including **IsoEnergy's Hurricane deposit** to the southwest, and is significantly underexplored relative to adjacent magnetic low/electromagnetic ('EM') conductor corridors

- 2024 objectives include: plan and operate at minimum, three drill programs on three projects across the Basin, two of which will be partner-funded and provide operator fees to the Company

- complete initial exploration and geophysical programs on the newly acquired Rocas and Corvo projects

- execute inaugural drill campaign(s) on **Canary, Ascent, and Atlantic projects**, ripe for discovery with untested targets

- complete definitive option agreement(s) on one or more additional projects, securing exploration expenditures and non-dilutive cash-flow into the Company – **Ascent project**

- 2024 will be the most ambitious year of exploration activities for the Company to date. The Company is well underway on preparations for drill campaigns, in addition to planning inaugural reconnaissance exploration on the **Rocas and Corvo projects**

Terra Uranium Ltd. expands its uranium footprint in the Athabasca Basin <u>Highlights include:</u>

- Terra Uranium has staked two 100% owned uranium claims covering **8,118 HA** along the **Cable Bay Sheer Zone**

- detailed regional assessment (gravity and magnetic interpretation) currently underway by the **T92** technical team of the **Pasfield Lake** geological feature identified the **Rapid River** area as highly prospective for uranium mineralization

- the new claims, held 100% by Terra Uranium, are situated on the West side of **Pasfield Lake** between its **Pasfield and Parker Projects**

- work programs planned for this year at **Rapid River** include surface exploration, airborne geophysics and ambient noise tomography (ANT)

- the new project is located on the opposite side of **Pasfield Lake** from its fully operation Base Camp enabling immediate low-cost access to the site

- T92 now has four 100% owned uranium projects in the Athabasca Basin covering 1,108 sq km

- three core projects of **Pasfield, Parker and HawkRock** have now been advanced from conceptual to 18 drill ready target areas in the first year of operations

Traction Uranium Corp announces that the 2024 winter gravity survey at the **Hearty Bay** project has been completed

Highlights include:

- a total of **2155 stations** were measured, the grid starting at the head of the two radioactive boulder trains and covering both up-ice directions and to the east, which is interpreted to be an older ice direction based on glacial features to the south

- the survey has identified a number of gravity lows, several located northeast (up-ice) of the boulder train, but slightly more east than where the historic drilling was targeting

- these targets are up to **500m** long with the three anomalous areas on the east side lining up along a possible north-south fault system

- this complex setting, nicely defined by the new gravity survey, will hopefully lead **Traction** and **F3** to discovering the source of the radioactive boulder trains (boulders grading up to **8.23% U3O8**) that has eluded exploration programs in the past

- the upcoming drill program is slated to start near the end of February – early March and will consist of approximately **2,000 metres**

Uranium Energy Corp. reports drill results from its **Roughrider Project**. Both exploration and metallurgical sample drilling have been successful at intersecting uranium mineralization <u>Highlights include</u>:

- **exploration drilling extends potential of East Zone deposit**: UEC commenced a drill program at **Roughrider** in November 2023 with the dual purpose of exploring for additional resources on the property and for collecting metallurgical samples in the existing resource areas to support future economic studies

- discovery of new high-grade vein hosted mineralization in hole RR-889 grading 6.29% eU3O8 over 2.9 metres ("m") ~25 m west of the East Zone deposit ("East Zone"): The mineralization is consistent with the grades and thicknesses of the East Zone and provides targets for resource expansion

- metallurgical drill program at Roughrider completed: UEC has completed four metallurgical holes that intersected grades and thicknesses of uranium mineralization consistent with the resource models of the three zones, the best result being hole RR-879, drilled through the East Zone, which graded 3.16% eU308 over 43.4 m with sub-intervals grading 4.05% eU308 over 12.6 m and 3.81% eU308 over 21.6 m

Roughrider next steps: UEC plans to drill an additional 20 holes comprising about 9,000 m this winter to identify new areas of uranium mineralization. The current resource estimate includes 27.8 million lb U3O8 comprising 389,000 tonnes grading 3.25% U3O8 in the Indicated category and 36.0 million lb U3O8 comprising 359,000 tonnes grading 4.55% U3O8 in the Inferred category

BASE METALS

Arya Resources Inc. announces the completion of Phase 1 drill program on the company's historic Dunlop Ni-Cu project

Highlights include:

- The program consisted of 8 drill holes totalling 1045m

- the drill program is to test Nickel-Copper targets identified by the company's technical team which were identified with the help of industry specific software(s)

- the program concentrated on drilling targets identified at the East Zone

- the program was successful in intersecting the mineralized pyroxenite in all holes

- visually, the mineralization appears to be of similar nature to the zone intersected in the historic drill-

ing, 3-5% disseminated and bleby pyrrhotite with trace to 1% pentlandite and chalcopyrite

- locally, on a meter scale, sulphide content increases to 30%

- the core is currently being cut at a secure facility in La Ronge, SK, once cutting is complete the samples will be shipped to SRC Labs in Saskatoon for analysis. All assay results are pending

Fathom Nickel Inc. announces that the winter exploration program at the Company's 100% owned Albert Lake Project will commence during the last week of January

Highlights include:

- drilling will focus on the Tremblay-Olson Claims area, approximately 2 km SW of the historic Rottenstone Mine, where the Company has identified a very robust TDEM conductor

- the Tremblay-Olson Showing, located 2.5km southwest of the historic Rottenstone Mine, is defined by a lens-shaped ultramafic body exposed on surface through trenching. Recorded trench values range from 0.16% Ni - 3.11% Ni; 0.06% Cu - 0.91% Cu; and 0.30 g/t - 1.01 g/t Pd+Pt

- drilling completed in 1987 in an area northeast of the Tremblay-Olson showing returned multiple intervals of anomalous Ni-Cu and Pd-Pt hosted in metasedimentary rock.

- a soil geochemistry program covering the Tremblay-Olson Claims area was completed in Q4-2022.

This program identified a very robust multi-element-in-soil anomaly measuring approximately 4 sq km. The anomaly is centred 2.0 kilometers southwest of the historic Rottenstone Mine

- in July 2023, approximately 37.0 line-km of TDEM survey was completed over the soil anomaly and identified a very high priority EM conductor located on the eastern flank of the multi-element-in-soil anomaly the centre of which is located approximately 2.0km SW of the Rottenstone Mine

Murchison Minerals Ltd. announces the commencement of the 2024 Winter Exploration Program at its 100%-owned Cu-Zn-Ag-Pb-Au Volcanogenic Massive Sulphide BMK Project

Highlights include:

- commencement of the 2024 Winter Exploration Program consisting of diamond drilling proximal to the high-grade BMK Cu-Zn-Ag-Pb-Au VMS Deposit

- the Objective of the 2024 Program is the discovery of the copper stockwork zone associated with the formation of the BMK Deposit

- Priority targets for testing of copper rich zones are:

- CST, a HeliSAM target, which lies 400 m along strike to the southwest of the BMK Deposit

- BMK South Extension expansion area with copper rich intercepts at the southern extent of the BMK Deposit
- BMK North Extension expansion area with copper rich intercepts at the northern extent of the **BMK Deposit**

- the Program is anticipated to drill 3,500 m

<u>GOLD</u>

Dixie Gold Inc. provides an update to its previously announced transaction with ASX-listed **Omnia Metals Group Ltd.**

Highlights include:

- based on continuing mutual effort by the parties to advance the Takeover Transaction towards an intended completion, the Corporation has entered into a second amending letter with **Omnia** dated January 22, 2024, whereby the parties have increased the duration of the exclusivity period by an additional four week period

- the Corporation continues to work diligently with **Omnia** having an objective to consummate the Takeover Transaction during the first half of 2024, subject to, without limitation, meeting all necessary preconditions and receiving all necessary approvals.

Eagle Plains Resources Ltd announces a planned senior management transition <u>Highlights include:</u>

- Tim J. Termuende, P.Geo. & Director has opted to resign as President and CEO and will transition into the role of Executive Chairman;

- Charles C. (Chuck) Downie, P.Geo. & Director has resigned as Vice-President, Exploration and has been appointed President and CEO;

- Jesse T. Campbell, B.Sc. is expected to join the Board of Directors of the Company until the next annual meeting of shareholders of the Company and will assume the role of Vice-President, Exploration following approval by the TSX Venture Exchange;

- Michael Labach has accepted the Corporate Development position; and

- Michelle McKeough, P.Geo. will succeed Mr. Campbell as President of TerraLogic Exploration Inc. (a wholly owned subsidiary of Eagle Plains) and Jarrod Brown, P.Geo. has been appointed Vice President of TerraLogic Exploration Inc.

SKRR Exploration Inc announces that it has entered into a definitive agreement with X1 Entertainment Group Inc. pursuant to which X1 has agreed to acquire a 100% legal and beneficial interest in SKRR's wholly-owned Manson Bay project.

Highlights include:

the Manson Bay Project is located in the Trans Hudson Corridor in east-central Saskatchewan, approximately 40km northwest of the historic mining center of Flin Flon, on the Manitoba border
 the Manson Bay Project consists of thirteen contiguous mineral claims totaling 4,293.213 HA

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 significant initial geochemical assay results derived from the 2023 drilling program conducted on the **Magnet Ridge Zone** at its **Alces Lake Project**. Appia also announces a new cooperation agreement with the **Ya'thi Néné Lands and Resources Office.** <u>Highlights include:</u>

- assays of up to **1.57 wt.% (15,700 ppm)** Total Rare Earth Oxides (TREO) were returned, with thickness and grades increasing to the south-southeast

- highest Grade Intercepts:

- Hole 23-MR-001: 21.91 m width @ 0.366 wt.% TREO, including 2.67 m @ 0.660 wt.% TREO
- Hole 23-MR-002: 25.5 m width @ 0.329 wt.% TREO, including 2.11 m @ 0.389 wt.% TREO and 4.68 m @ 0.520 wt.% TREO

- Hole 23-MR-003: 30.5 m width @ 0.292 wt.% TREO, including 1.00 m @ 0.537 wt.% TREO

- Hole 23-MR-006: 6.31 m width @ 0.267 wt.% TREO

- Hole 23-MR-007: 9.29 m width @ 0.384 wt.% TREO, including 0.50 m @ 0.650 wt.% TREO

- Hole 23-MR-010: 1.80 m width @ 0.246 wt.% TREO

mineralization intervals occur from near surface to < 85 metres depth; multiple intervals in 23-MR-002 and 23-MR-003, extending downward in a westerly direction

- future exploration to continue in the west-southwest (WSW); extending downward into current intersections towards the mineralization at **Magnet Ridge West (MRW)**

- the cooperation agreement underscores the mutual commitment of **Appia** and **YNLR** to foster a sustainable and collaborative relationship, both in the present and for the foreseeable future

- the cooperation agreement encompasses provisions related to harvest compensation, contributions to **YNLR's** established community trust, and opportunities for employment and contracting with northern businesses

Fortune Bay Corp announces the acquisition of the Spruce Uranium Project and the Pine Uranium Project via staking.

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- located in proximity to the northern rim of the Athabasca Basin with potential for high-grade, basement-hosted uranium deposits
- covers over **six kilometres** of prospective strike length along the **Grease River Shear Zone**, a major structural corridor that hosts the historical **Fond du Lac uranium deposit**
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- additional Rare Earth Element potential, including historical surface REE showings of 3.13% total rare earth element, 1.23% TREE, 0.88% TREE and 0.85% TREE
- adjacent to properties held by IsoEnergy Ltd., and Forum Energy Metals Corp. (under option to Traction Uranium Inc.) that recently highlighted prospective conductive trends on the Project through airborne electromagnetic surveying

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- Following the addition of the new staked and areas under option, the Company's Saskatchewan uranium footprint has the potential to cover **59,310 hectares (593km2)**

DIAMONDS

Star Diamond Corp provides update on Star Diamond's acquisition of **Rio Tinto Canada Inc's 75%** interest in the **Fort à la Corne Joint Venture**

Highlights include:

- **Star Diamond and RTEC** have worked together diligently to submit the documentation required to complete the transfer of the Permit to Operate for the Fort à la Corne properties

- this process requires that an updated Decommissioning and Reclamation Plan be submitted to the Saskatchewan Ministry of the Environment for its approval

- Star Diamond and RTEC have been in active discussions with the MoE and, based upon those discussions, Star Diamond believes that all documents required by the MoE have been submitted for its review

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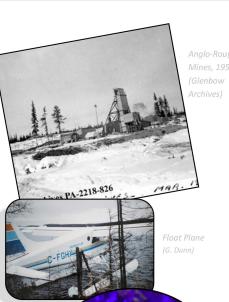
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CORE DAYS 2024 La Ronge, SK May 13th, 14th & 15th, 2024

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This year partnering with Lac La Ronge Indian Band to hold the event at the JRMCC in conjunction with a career fair!

Co-host, sponsorships, presentations and booths available! Details will be provided soon!





Sue C pit Pitchblende under blacklight (Ministry of Energy and Resources, Government of Saskatchewan)

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Core Days takes place May 13th, 14th and 15th in La Ronge, SK and is cohosted by Keewatin Community Development Association and Northlands College in Partnership with Lac La Ronge Indian Band and JRMCC

> Lac La Ronge Indian Band





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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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