

September 2023

# Northern Saskatchewan Mineral Exploration Highlights

Inside

The Front Page.....	3
Regional Activity.....	8
Commodities at a Glance.....	20
Advertisements.....	28
Company Directory.....	32
Exploration Service Directory...	34

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(306) 425-4778 | [office@kcda.ca](mailto:office@kcda.ca)

## Advertising Rates and Details

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

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

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## THE FRONT PAGE

### NEWS

#### URANIUM RESULTS REFLECT MARKET IMPROVEMENTS

World Nuclear News | [world-nuclear-news.org](https://world-nuclear-news.org)

Aug 3, 2023

Cameco and Kazatomprom have increased their sales and revenue guidance for 2023 upwards as market fundamentals continue to improve.

The Kazakh uranium producer increased its 2023 sales guidance in its half-year trading update on 1 August, with group sales volumes increasing from 15,400-15,900 tU to 17,500-18,000 tU. This is due to customers asking to "flex up" their annual delivery quantities within existing contracts, some new long-term contracts with delivery in 2023, and Yellow Cake plc's execution of its annual option to purchase uranium.

The company's production guidance is unchanged at 20,500-21,500 tU (on a 100% basis).

Cameco published its second-quarter results on 2 August, with an update to its consolidated revenue outlook for 2023 which is now CAD2.4 billion-2.5 billion (USD1.8 billion-1.9 billion), up from its previous outlook of CAD2.2 billion-2.4 billion.

"The significant momentum seen in the nuclear energy industry and the heightened supply risk caused by geopolitical developments are translating into increased opportunities for Cameco," the company's President and CEO Tim Gitzel said in its 2 August announcement. "As a result, for 2023, we have increased our consolidated revenue outlook, which is primarily driven by higher expected average realised prices under our contract portfolio and increased deliveries in our uranium segment."

"All over the world, government policies and corporate decisions are being followed up with proposals, commitments, and actions to support the nuclear fuel cycle and re-energise nuclear power as a fundamental source of clean, secure and low-cost energy. We are seeing improving market fundamentals with prices for uranium rising, and UF6 conversion prices hitting new record-highs.

"With over 118 million pounds of long-term contracting industry wide so far this year, we are happy to say that we believe there is clear evidence that the broader uranium market is moving toward replacement-rate contracting. Based on the rate of contracting seen year-to-date, we expect industry long-term contracting volumes in 2023 to exceed those in each of the last 10 years. We believe this is a good indication that a new long-term contracting cycle is underway."

## THE FRONT PAGE

### NEWS

The first shipment of Cameco's share of 2023 production from its Inkai joint venture has been delayed but is expected to begin during the third quarter, the company noted. "The geopolitical situation continues to cause transportation risks in the region. We continue to work closely with JV Inkai and our joint venture partner, Kazatomprom, to receive our share of production via the Trans-Caspian International Transport Route, which does not rely on Russian rail lines or ports. We could experience further delays to our expected Inkai deliveries this year if transportation using this shipping route takes longer than anticipated," the company said.

The company can draw on its inventory, long-term purchase agreements and loan arrangements to mitigate the risk of delays, it said.

*Researched and written by World Nuclear News*

### SWEDEN TO LIFT PARLIAMENTARY BAN ON URANIUM MINING

Mining Technology writer Florence Jones | [mining-technology.com](https://mining-technology.com)  
August 21, 2023

The historically anti-nuclear country has announced plans to increase its nuclear generation dramatically.

Sweden's Climate Minister Romina Pourmokhtari has announced plans to lift the country's ban on uranium mining and make way for greater nuclear energy capacity.

The Swedish Parliament has shown majority support for a lift on the ban, according to Pourmokhtari.

The government plans to build at least ten large reactors in the next 20 years to meet the demand for low-carbon energy. Swedish Prime Minister Ulf Kristersson told reporters in January that the government is "changing the legislation", which will increase nuclear investment in the country.

Swedish ministers decided to phase out nuclear generation in 1980 and have historically taken an anti-nuclear stance. However, this policy was repealed in June 2010. Pourmokhtari is a public advocate of nuclear generation and says it should form a part of Sweden's future energy mix.

"The government is aiming at doubling electricity production in 20 years," Pourmokhtari told The Times this weekend.

"For our clean power system to function, a large part of this has to be dispatchable where nuclear power is the only non-fossil option. Nuclear power also has a reduced environmental footprint and requires limited resources in comparison with most energy sources."

## THE FRONT PAGE

### NEWS

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

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

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

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

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

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

## THE FRONT PAGE

### NEWS

Uranium mining has become a point of concern for Europe's nuclear industry as Russia dominates the processing of the fuel. Following the country's invasion of Ukraine last year, the EU has sought to reduce its energy dependence on Moscow.

Kazakhstan, however, is by far the largest uranium miner. According to the World Nuclear Association, the country produced the largest share of mined uranium (43% of the global supply) in 2022, followed by Canada (15%) and Namibia (11%).

The European Parliament has been the site of heated debate over the role of nuclear generation in a net-zero future. France, which generates around 70% of its energy from nuclear sources, has been vocally pro-nuclear. Meanwhile, Germany, which has shut down its final three nuclear power stations this year, says that the fuel is not renewable.

Sweden accounts for 80% of the EU's uranium deposits and already extracts uranium as a waste product when mining for other metals.

Several companies, including Australia's Aura Energy and Canada's District Metals, have already expressed interest in developing uranium sites in Sweden.

### SASKATCHEWAN ANNOUNCES FUNDING FOR INDIGENOUS MINING SKILLS TRAINING PROGRAM

Government of Saskatchewan | [saskatchewan.ca](https://saskatchewan.ca)  
Sept 1, 2023

The Government of Saskatchewan announced a three-month agreement with Morris Interactive to fund an Indigenous Mining Pre-Employment Program in the province. This collaboration aims to connect Indigenous communities with the mining industry, while embracing the digital transformation in potash mining.

"This partnership will improve employment opportunities for Indigenous job seekers, and increase participation in the resource sector," Minister of Immigration and Career Training Jeremy Harrison said. "We're excited to join forces with Morris Interactive to create meaningful opportunities in Saskatchewan, empower Indigenous talent and enable growth in the mining sector."

In 2023-24, the Ministry of Immigration and Career Training is investing \$48,000 in the Indigenous Mining Pre-Employment Program, which will run from September to November 2023, with participants from the Cowessess First Nation and surrounding area. The goal is to secure employment for participants in the potash mining sector upon completion of the program.

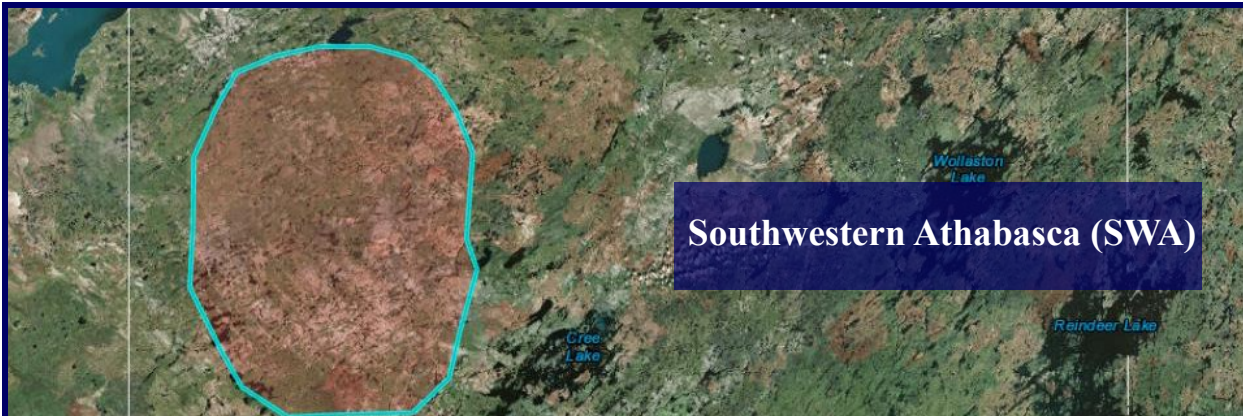
"We're very excited to partner with the Government of Saskatchewan to continue to equip future Indigenous leaders within the mining industry," Morris Interactive CEO Matthew Cey said. "The combination of driven students, the growing group of program partners (Mosaic, Cowessess First Nation, Conexus Credit Union and the Government of Saskatchewan), and the program's industry sponsors are the foundation that truly leads to meaningful careers. We embrace the opportunity to see the students join the mining sector and take ownership of long-term careers that they are proud of."

This Indigenous Mining Pre-Employment Program will introduce participants to the mining industry, prepare them to pursue jobs and train on the basics of potash mining using virtual reality, simulators and drone technology. The 10-week program consists of eight weeks in-classroom and two weeks of work experience at Mosaic's Esterhazy mine site.

"This additional support for the Morris Interactive program by the provincial government is excellent news," said Bruce Bodine, Senior Vice President, North America for The Mosaic Company. "Mosaic also made a major investment in the program in 2022. The work practicums at our sites provide education, mentorship and opportunity for Indigenous students looking to enter the potash industry."

The Government of Saskatchewan works with post-secondary institutions and training providers, to help align programs and training offerings with in-demand jobs. These targeted initiatives contribute towards the goals laid out in Saskatchewan's Growth Plan, including creating 100,000 new jobs by 2030, and growing the provincial population to 1.4 million.





ATHA Energy Corp. announces details on its 2023 exploration program, which includes undertaking the largest ever multi-platform ("EM") survey in the history of the Athabasca Basin

Highlights include:

- ATHA will be focusing its EM survey on three exploration districts: **East Rim, Cable Bay, and North Rim**
- Districts have the potential to host the three fundamental deposits model types, including Beaverlodge style, high-grade sandstone-hosted unconformity, and high-grade basement-hosted deposits
- create a contiguous data set using industry-leading geophysical technology across the Company's land base to identify prospective targets and inform future exploration decisions
- survey to be conducted across sixteen projects within the Athabasca Basin, covering a total of 2.1 million acres



F3 Uranium announces expedited assay results for **PLN23-068** and significant mineralization over a 17.0m interval intersected in **PLN23-079** on line **045S**

Highlights include:

- **PLN23-068 (line 060S):** 18.0m @ 8.8% U<sub>3</sub>O<sub>8</sub> (230.5m to 248.5m), including 11.5m @13.7% U<sub>3</sub>O<sub>8</sub> (233.5m to 245.0m), further including 4.5m @30.1% U<sub>3</sub>O<sub>8</sub>
- **PLN23-068 from line 60S** yielded the best grade thickness intercept at the **JR Zone** to date
- **PLN23-079 (line 045S):** 17.0m mineralization from 230.5m to 247.5m, including 5.1m composite mineralization of >10,000 cps radioactivity between 233.1m and 239.4m including 3.0m off-scale radioactivity (>65,535 cps) between 235.50m-239.0m of which 2.5m is continuous





Azincourt announced that the sample analysis have been received from the 2023 exploration program at the **East Preston** uranium project. Azincourt is the operator and majority interest holder in the Project with Skyharbour and Dixie Gold holding a minority interest.

Highlights include:

- drilling at the **East Preston Project** consisted of a total of 3,066m completed in 13 drill holes between February and March 2023
- drilling was focused on the **G, K, H, and Q zones**
- a total of 687 samples were collected and analyzed by SRC
- the **G zone** identified extensive hydrothermal alteration and evidence of east-west cross-cutting structures along the S portion of the zone. The primary rock types in the alteration zone are granodiorite and diorite gneiss with average expected value of 2-3 ppm U and U/Th ratios of 0.25 – 0.3. Elevation radioactivity was intersected in holes **EP0045** and **EP0047**, and **EP0047** returned elevated U and U/Th values
- on the N end of the **K-Zone**, drilling intersected extensive structure and hydrothermal clay alteration within the structural zone. All three holes contained illite and kaolinite clay with **EP0049** also having dravite; **EP0049** also returned elevated Thorium.
- In the H-Zone Hole **EP0053** intersected elevated radioactivity and both kaolinite and dravite are present. Dravite also identified in **EP0052**. Rocks in this zone are expected to return values of 0.5-1.5ppm U and U/Th ratios of 0.25-0.5. Holes **EP0052** and **EP0056** returned the best analytical results of the program with U/Th ratios of 1.0 and 1.8 respectively, and uranium in the 5-6 ppm range



Fission Uranium announces the expansion of its technical team as it continues to advance the **PLS project**, a proposed high-grade uranium mine and mill, in Saskatchewan. Also announces the opening of its Saskatoon operations office and La Loche community office.



NexGen announces the completion of the Provincial Environmental Assessment ("EA") technical review and submission of the Final Provincial Environmental Impact Statement ("EIS") to the Saskatchewan Ministry of Environment for its 100% owned **Rook I Project**

Highlights include:

- **Rook I Project** is located in the SWA and includes underground and surface facilities to support the mining and processing of uranium ore from the **Arrow Deposit**
- NexGen acknowledges the contribution and partnership of all four local Indigenous communities in the local project area whom, thorough industry-leading Benefit Agreements, have all confirmed their formal and legal consent for the Company and Project through its entire lifespan
- The submission of the Final Provincial EIS is a significant step in the regulatory advancement of the **Rook I Project**.



Skyharbour announces that it has acquired via staking seven new prospective uranium exploration claims in Northern Saskatchewan, increasing Skyharbour's total land package to 518,302 ha across 24 projects.

Highlights include:

- **CBX Project** – additional five contiguous claims totalling 6,804 ha linking the Company's former **CBX and Snow projects**
- **Karin Project** – one additional claim totalling 5,882 ha
- **914W Project** – new project totalling 1,260 ha



Stallion Discoveries announces preliminary results from the airborne geophysical survey which covered 195,000 Ac across 8 projects in the Eastern and Western Athabasca Basin

Highlights include:

- **Coffer property:** located 3 km SE of **Shea Creek Project** and 13km E of **F3's JR Zone**. Magnetic Tilt Angle Derivative shows excellent structure, including NW-SE trending geology, which occurs parallel to the **Shea Creek's Saskatoon Lake** conductor. The **Beatty River Fault** is visible in the map as a magnetic low cutting through the middle of the project claims.
- **Ford Lake property:** Magnetic Tilt Angle Derivative on the E half of the block shows N/S fabric. In the W half of the block, the N-S oriented fabric is interpreted to be overprinted by a secondary NW trending fabric. The Ford Lake project is located just 10 km to the SW of **CanAlaska/Denison's Moon Lake South project**
- **Gunter property:** consists of four adjoining claims with a total area of 17,769 ha situated in the heart of the Patterson Lake uranium district in the SW Athabasca Basin, approx. 30 km E of **NexGen Energy's Arrow Deposit**



92 Energy announces that 4000m drilling program has started at **Gemini uranium discovery**  
Highlights Include:

- two drilling rigs are on site and have commenced drilling; one located at the existing mineralized zone and working on the high-grade uranium intersected during the last program, and the second testing the western trend identified during the geophysics program last year
- the program is designed to extend the zones of high-grade mineralization (which returned intersections such as 5m @ 1.47% U<sub>3</sub>O<sub>8</sub> including 0.5m @ 9.66% U<sub>3</sub>O<sub>8</sub> previously); test the recently identified uranium mineralization and intense hydrothermal alteration 280m N of the mineralized area; and test along trend from the **Gemini discovery** to the S and N, and the western trend
- the **Gemini Discovery** is a high-grade, basement hosted uranium deposit, which remains open in all directions; Uranium mineralization is currently defined over 250m x 240m



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Highlights include:

- ATHA will be focusing its EM survey on three exploration districts: **East Rim, Cable Bay, and North Rim**
- Districts have the potential to host the three fundamental deposits model types, including Beaverlodge style, high-grade sandstone-hosted unconformity, and high-grade basement-hosted deposits
- create a contiguous data set using industry-leading geophysical technology across the Company's land base to identify prospective targets and inform future exploration decisions
- survey to be conducted across sixteen projects within the Athabasca Basin, covering a total of 2.1 million acres



Baselode announces the completion of the diamond drilling program on the **ACKIO** high-grade uranium zone on the **Hook project**

Highlights include:

- 36 drill holes over 7,512m were completed
- **AK23-112 to AK23-113** successfully identified mineralization at the overburden-basement contact in Pod 7, confirming a second zone of mineralization (after Pod 1) with mineralization as-shallow-as-possible in the **ACKIO system**
- seven of the reported drill holes (**AK23-107, AK23-111 to AK23-116**) all had mineralization starting shallower than 100 m from surface, with three drill holes intersecting mineralization shallower than 50 m from surface (**AK23-111 to AK23-113**)
- High levels of radioactivity (>5,000 cps\*) were reported in drill holes **AK23-112** and **AK23-116**. The results from **AK23-112** confirms strong uranium mineralization can be projected to the overburden-basement contact in Pod 7, and **AK23-116** supports the potential for additional high-grade uranium mineralization occurring between Pods 1 and 7
- drill holes **AK23-105 to AK23-109** were all drilled in the Mirror target area. Two of the reported drill holes (**AK23-105 and AK23-107**) intersected elevated radioactivity. All 5 drill holes defined an intense alteration corridor that measures over 300 m wide. Mirror remains open for exploration in all directions



Basin announces elevated radioactivity and significant hydrothermal alteration identified at **Geikie** project and that airborne gravity has commenced

Highlights include:

- multiple elevated radioactive zones identified with downhole gamma probed peaks up to 4,802 counts per second
- **Geikie** maiden drill program successful identifies significant structurally controlled alteration systems analogous to major uranium deposits of the Athabasca Basin
- Falcon Airborne Gravity survey has been designed to follow up on recent drilling success, and support further generation and refinement at **Geikie**
- Maiden drilling assays, gravity survey results and interpretation expected in mid-September



CanAlaska announces it has commenced a detailed fixed-wing Falcon Airborne Gravity Gradiometer (ACG) survey on its **Geikie uranium project**. The **Geikie project** is currently being sole-funded by Basin Energy Ltd. Under an option earn-in agreement with CanAlaska

Highlights include:

- the survey consists of 1,838 line-kilometres of airborne survey at 200m spacing across the majority of the **Geikie project**
- the AGG survey is to identify potential target areas of enhanced basement alteration associated with previously interpreted and drill defined structural corridors
- the AGG results will be combined with additional high-resolution airborne geophysical data sets previously collected, including electromagnetics, radiometrics, and magnetics to validate existing targets and generated additional targets for future drill programs



Denison Mines announces the filing of its technical report supporting the results of (i) the Feasibility Study ("Phoenix FS") completed for In-Situ Recovery ("ISR") mining of the high-grade **Phoenix uranium deposit** ("Phoenix") and (ii) a cost update ("Gryphon Update") to the 2018 Pre-Feasibility Study ("2018 PFS") for conventional underground mining of the basement-hosted **Gryphon uranium deposit** ("Gryphon"). The report is titled "**NI 43-101 Technical Report on the Wheeler River Project Athabasca Basin, Saskatchewan, Canada**" dated August 8, 2023 with an effective date of June 23, 2023 ("Technical Report")



Eagle Plains announces that it has entered into a mineral property purchase and sale agreement with Standard Uranium Ltd.

Highlights include

- sale of 8 mineral claims totalling 4,278 hectares contiguous with the recently staked **Corvo Project**, in the Eastern Athabasca Basin region. Upon completion of the Acquisition, the **Corvo Project** will comprise 7,989 hectares within ten claims and contain 14.5 km of prospective exploration corridors across two trends.



Forum Energy announces that Uranium Energy Corp. (UEC) has acquired the 60% interest in the **Henday uranium project** with Forum as the 40% partner

Highlights include:

- the **Henday project** consists of 3 claims covering 7,204 ha at the NE margin of the Athabasca Basin
- the property is strategically located NE of **EUC's Roughrider uranium deposit, the Denison/ORANO Midwest Lake project** and nearby **McClellan Lake mill**, and N of **Cameco/ORANO's Dawn Lake project**
- a total of 53 drill holes were drilled on the **Henday project** from previous operations. Forum uranium acquired the project in 2007 and completed a series of ground gravity surveys, airborne EM surveys, a resistivity survey and diamond drill programs in 2008, 2010 and 2011 for a total of 56 holes and 12,754m. Rio Tinto Canada Uranium Corp. completed 15 holes on three target areas in 2016 on the property. Up to 1,750 ppm uranium associated with altered basement rocks in the **Hollow Lake** area has yet to be followed up with additional drilling

## MARVEL DISCOVERY CORP.

Marvel announces the commencement of a detailed regional and property specific structural geophysical interpretation of its **Highway and KLR Zones**

Highlights include:

- To date, 6 holes have been completed totaling 1343 meters with an average hole depth of 224m on the **Highway and KLR Zones** where Marvel holds 10,000 ha of contiguous claims straddling the highly prospective **Key Lake Fault zone**
- the first phase was designed to test the surface mineralization along the **DD and Highway Zone** and this program was successful in that every hole intersected radiation
- drilling during the phase II program will target uranium mineralization down dip within the fault zones



Skyharbour announces that it has acquired via staking seven new prospective uranium exploration claims in Northern Saskatchewan, increasing Skyharbour's total land package to 518,302 ha across 24 projects.

Highlights include:

- **CBX Project** – additional five contiguous claims totalling 6,804 ha linking the Company's former **CBX and Snow projects**
- **Karin Project** – one additional claim totalling 5,882 ha
- **914W Project** – new project totalling 1,260 ha





Standard Uranium announces agreement to expand newly staked **Corvo project**

Highlights include:

- Standard Uranium entered into a mineral property purchase sale and agreement with Eagle Plains Resources Ltd. to which Standard will acquire 8 additional mineral claims contiguous with the **Corvo project**
- expansion of the **Corvo Project** will add an additional 4,278 hectares and 5 kilometres of two strong NE-SW magnetic low trends coincident with EM conductors and cross-cutting faults. Parallel magnetic low trends to the north and south are also added
- uranium mineralization is present along a strike length of 800 metres in drill holes **TL-79-3** (0.57% U<sub>3</sub>O<sub>8</sub> over 3.5 m) to **TL-79-5** (0.65% U<sub>3</sub>O<sub>8</sub> over 0.1 m) within the new east-central claim
- historical surveys highlight geochemical anomalies along conductive trends and lithologic contacts observed in outcrop. The expanded claims add multiple new data points of uranium anomalism to the project, including surface sample **JBWLR011**, returning 1,420 ppm U
- elevated radioactivity measured in boulders, outcrop, and drilled rock coupled with the geochemical anomalies present on the Corvo project indicate high potential for discovery of additional uranium mineralization



Traction announces completion of technical report on **Key Lake South project**

Highlights include:

- the majority of anomalous thorium (Th) intercepts are associated with rare earth elements (REEs), locally returning strongly anomalous values.
- many of these intercepts are pegmatite-hosted, although amphibolite and structurally-hosted intercepts also occur.
- the northwestern property area, including hole **KLS23-007**, is the most favourable area for Uranium and REE mineralization.
- the area around **KLS23-007** is along trend of the structural feature underlying the **Key Lake deposits** to the northeast, extending to anomalous Th-REE mineralization drilled in 2008 to the SW.
- hole **KLS23-008**, collared southwest of **KLS-007**, pierced the contact of **Upper Wollaston Group orthogneiss** with underlying **Lower Wollaston Group metapelites**. A short interval of anomalous thorium-REE values occurs directly below the contact.
- anomalous Th-REE values from the 2008 drilling are hosted by pegmatites within metapelites.
- uranium, Th-REE mineralization may provide an alternate exploration target at **Key Lake South**.



UEC announces that it has closed a purchase agreement with Rio Tinto Inc. to acquire a portfolio of exploration-stage projects

Highlights include:

- a 60% equity stake in the **Henday Lake joint venture**, 100% of the **Milliken project**, and a 50% equity stake in the **Carswell joint venture project**
- with this transaction, UEC has added an additional 44,444 Ac of prospective ground to its existing portfolio
- **Henday project** is less than five kilometers north of the **Roughrider project** and close to support infrastructure offering regional synergies with **Roughrider** and the other projects in the Eastern Athabasca Hub
- **Carswell project** is located just north of the past-producing **Cluff Lake** operation and has uranium showings in drill holes, trenches, outcrop, and boulders that are consistent with the mineralization types found at the former **Cluff Lake operation**
- **Milliken project** represents the western extension of **UEC's Hidden Bay project's Wolf Lake** trend that has multiple uranium showings over 19 km



Brunswick Exploration provides a projects update.

Highlights include:

- Brunswick Exploration pauses activities in Saskatchewan.
- Brunswick Exploration terminates the option agreement with Searchlight Resources and Eagle Plains Resources in the **Hanson Lake area**.
- 2024 evaluation planned for next steps in Reindeer Lake, and LaRonge area following the discovery of two lepidolite-bearing pegmatites (lithium mica).



Fathom Nickel announces update on **Albert Lake project** and planned start of drill program at **Gochager Lake**

Highlights include:

- no additional drilling at the **Albert Lake Project** in 2023 . Planned drilling for the deep TDEM / Gravity anomaly in Q1-2024 as part of its winter drill program.
- drilling at the **Gochager Lake project** commencing on September 2nd, 2023, consisting of 5 to 6 drillholes approximately 1,800 - 2,000 meters. The drill program is expected to be completed within 4 weeks.



Forum Energy announces that it has commenced a ground electromagnetic and magnetic survey on its **Still Nickel Project**, located 35km northwest of La Ronge, Saskatchewan

Highlights include:

- Forum's 11,411 ha property covers the favourable geological trend for large nickel deposits to the NE of the historical 245,000 ton **Clam (Howard) Lake** deposit grading 1% nickel, 0.4% copper and 0.04% cobalt



Searchlight completes and files **43-101 report** on **Kulyk Lake** rare earths and uranium property

Highlights include:

- a comprehensive summary of past exploration prior to Searchlight's work on **Kulyk Lake Claims**, including the 2009 high-grade rare-earth discovery by a previous company.
- The **NI 43-101** report provides recommendations for future exploration work based on the findings and potential of the project. Searchlight endorses these recommendations and has filed for an exploration permit to carry out a further phase of work at **Kulyk Lake**.



ACME Lithium has announced that it has commenced a summer exploration program at its **Bailey Lake pegmatite discovery** area in NE Saskatchewan

Highlights include:

- the large claim block contains multiple indications of spodumene-bearing pegmatites with potentially economic lithium grades.
- spodumene-bearing pegmatites with evolved mineralogy are found on surface in outcrop and boulder trains.
- historical reported sampling by Gem Oil includes up to 3950 ppm Li in **the Bailey Lake region**.
- historical reported sampling by the Saskatchewan Geological Survey includes results up to 3470 ppm Li at **Misaw Lake** region to the east of Bailey Lake.
- till sampling in the region by the Saskatchewan Geological Survey reported numerous sites with elevated lithium and lithium pegmatite associated elements.
- the geological setting, granitic suite characteristics, evolved pegmatite characteristics, occurrence of float with potentially economic lithium grades, and absence of extensive historical exploration in the region is strongly encouraging for exploration expansion in this discovery area.
- starting August 21, 2023 ACME will be conducting a 3-in-1 Airborne Geophysical Survey on the **Bailey Lake Property** which will include Helicopter-borne Tri-axial Gradiometer Magnetics, Radiometrics, and LiDAR (Light Detection and Ranging) to identify regional structural trends and localized controls of pegmatite bodies and other key information to aid in future drill targeting



Apogee Minerals announces appointment of new interim CEO, **Tim Fernback**.

## COMMODITIES AT A GLANCE

### URANIUM

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- create a contiguous data set using industry-leading geophysical technology across the Company's land base to identify prospective targets and inform future exploration decisions
- survey to be conducted across sixteen projects within the Athabasca Basin, covering a total of 2.1 million acres

**Azincourt Energy Corp** announced that the sample analysis have been received from the 2023 exploration program at the **East Preston** uranium project. Azincourt is the operator and majority interest holder in the Project with Skyharbour and Dixie Gold holding a minority interest.

Highlights include:

- drilling at the **East Preston Project** consisted of a total of 3,066m completed in 13 drill holes between February and March 2023
- drilling was focused on the **G, K, H, and Q zones**
- a total of 687 samples were collected and analyzed by SRC
- the **G zone** identified extensive hydrothermal alteration and evidence of east-west cross-cutting structures along the S portion of the zone. The primary rock types in the alteration zone are granodiorite and diorite gneiss with average expected value of 2-3 ppm U and U/Th ratios of 0.25 – 0.3. Elevation radioactivity was intersected in holes **EP0045 and EP0047**, and **EP0047** returned elevated U and U/Th values
- on the N end of the **K-Zone**, drilling intersected extensive structure and hydrothermal clay alteration within the structural zone. All three holes contained illite and kaolinite clay with **EP0049** also having dravite; **EP0049** also returned elevated Thorium.
- In the **H-Zone** Hole **EP0053** intersected elevated radioactivity and both kaolinite and dravite are present. Dravite also identified in **EP0052**. Rocks in this zone are expected to return values of 0.5-1.5ppm U and U/Th ratios of 0.25-0.5. Holes **EP0052 and EP0056** returned the best analytical results of the program with U/Th ratios of 1.0 and 1.8 respectively, and uranium in the 5-6 ppm range



## COMMODITIES AT A GLANCE

**Baselode Energy Corp** announces the completion of the diamond drilling program on the **ACKIO** high-grade uranium zone on the **Hook project**

Highlights include:

- 36 drill holes over 7,512m were completed
- **AK23-112 to AK23-113** successfully identified mineralization at the overburden-basement contact in Pod 7, confirming a second zone of mineralization (after Pod 1) with mineralization as-shallow-as-possible in the **ACKIO system**
- seven of the reported drill holes (**AK23-107, AK23-111 to AK23-116**) all had mineralization starting shallower than 100 m from surface, with three drill holes intersecting mineralization shallower than 50 m from surface (**AK23-111 to AK23-113**)
- High levels of radioactivity (>5,000 cps\*) were reported in drill holes **AK23-112** and **AK23-116**. The results from **AK23-112** confirms strong uranium mineralization can be projected to the overburden-basement contact in Pod 7, and **AK23-116** supports the potential for additional high-grade uranium mineralization occurring between Pods 1 and 7
- drill holes **AK23-105 to AK23-109** were all drilled in the Mirror target area. Two of the reported drill holes (**AK23-105 and AK23-107**) intersected elevated radioactivity. All 5 drill holes defined an intense alteration corridor that measures over 300 m wide. Mirror remains open for exploration in all directions

**Basin Energy Ltd** announces elevated radioactivity and significant hydrothermal alteration identified at **Geikie** project and that airborne gravity has commenced

Highlights include:

- multiple elevated radioactive zones identified with downhole gamma probed peaks up to 4,802 counts per second
- **Geikie** maiden drill program successful identifies significant structurally controlled alteration systems analogous to major uranium deposits of the Athabasca Basin
- Falcon Airborne Gravity survey has been designed to follow up on recent drilling success, and support further generation and refinement at **Geikie**
- Maiden drilling assays, gravity survey results and interpretation expected in mid-September

**CanAlaska Uranium Ltd** announces it has commenced a detailed fixed-wing Falcon Airborne Gravity Gradiometer (ACG) survey on its **Geikie uranium project**. The **Geikie project** is currently being sole-funded by Basin Energy Ltd. Under an option earn-in agreement with CanAlaska

Highlights include:

- the survey consists of 1,838 line-kilometres of airborne survey at 200m spacing across the majority of the **Geikie project**
- the AGG survey is to identify potential target areas of enhanced basement alteration associated with previously interpreted and drill defined structural corridors
- the AGG results will be combined with additional high-resolution airborne geophysical data sets previously collected, including electromagnetics, radiometrics, and magnetics to validate existing targets and generated additional targets for future drill programs

## COMMODITIES AT A GLANCE

**Denison Mines Corp** announces the filing of its technical report supporting the results of (i) the Feasibility Study ("Phoenix FS") completed for In-Situ Recovery ("ISR") mining of the high-grade **Phoenix uranium deposit** ("Phoenix") and (ii) a cost update ("Gryphon Update") to the 2018 Pre-Feasibility Study ("2018 PFS") for conventional underground mining of the basement-hosted **Gryphon uranium deposit** ("Gryphon"). The report is titled "**NI 43-101 Technical Report on the Wheeler River Project Athabasca Basin, Saskatchewan, Canada**" dated August 8, 2023 with an effective date of June 23, 2023 ("Technical Report")

**Eagle Plains Ltd** announces that it has entered into a mineral property purchase and sale agreement with Standard Uranium Ltd.

Highlights include

- sale of 8 mineral claims totalling 4,278 hectares contiguous with the recently staked **Corvo Project**, in the Eastern Athabasca Basin region. Upon completion of the Acquisition, the **Corvo Project** will comprise 7,989 hectares within ten claims and contain 14.5 km of prospective exploration corridors across two trends.

**F3 Uranium Corp** announces expedited assay results for **PLN23-068** and significant mineralization over a 17.0m interval intersected in **PLN23-079** on line **045S**

Highlights include:

- **PLN23-068 (line 060S)**: 18.0m @ 8.8% U3O8 (230.5m to 248.5m), including 11.5m @13.7% U3O8 (233.5m to 245.0m), further including 4.5m @30.1% U3O8
- **PLN23-068 from line 60S** yielded the best grade thickness intercept at the **JR Zone** to date
- **PLN23-079 (line 045S)**: 17.0m mineralization from 230.5m to 247.5m, including 5.1m composite mineralization of >10,000 cps radioactivity between 233.1m and 239.4m including 3.0m off-scale radioactivity (>65,535 cps) between 235.50m-239.0m of which 2.5m is continuous

**Fathom Nickel Inc** announces update on **Albert Lake project** and planned start of drill program at **Gochager Lake**

Highlights include:

- no additional drilling at the **Albert Lake Project** in 2023 . Planned drilling for the deep TDEM / Gravity anomaly in Q1-2024 as part of its winter drill program.
- drilling at the **Gochager Lake project** commencing on September 2nd, 2023, consisting of 5 to 6 drillholes approximately 1,800 - 2,000 meters. The drill program is expected to be completed within 4 weeks.

## COMMODITIES AT A GLANCE

**Fission Uranium Corp** announces the expansion of its technical team as it continues to advance the **PLS project**, a proposed high-grade uranium mine and mill, in Saskatchewan. Also announces the opening of its Saskatoon operations office and La Loche community office.

**Forum Energy Metals Corp** announces that Uranium Energy Corp. (UEC) has acquired the 60% interest in the **Henday uranium project** with Forum as the 40% partner

Highlights include:

- the **Henday project** consists of 3 claims covering 7,204 ha at the NE margin of the Athabasca Basin

- the property is strategically located NE of **EUC's Roughrider uranium deposit**, the **Denison/ORANO Midwest Lake project** and nearby **McClellan Lake mill**, and N of **Cameco/ORANO's Dawn Lake project**

- a total of 53 drill holes were drilled on the **Henday project** from previous operations. Forum uranium acquired the project in 2007 and completed a series of ground gravity surveys, airborne EM surveys, a resistivity survey and diamond drill programs in 2008, 2010 and 2011 for a total of 56 holes and 12,754m. Rio Tinto Canada Uranium Corp. completed 15 holes on three target areas in 2016 on the property. Up to 1,750 ppm uranium associated with altered basement rocks in the **Hollow Lake** area has yet to be followed up with additional drilling

**Marvel Discovery Corp** announces the commencement of a detailed regional and property specific structural geophysical interpretation of its **Highway and KLR Zones**

Highlights include:

- To date, 6 holes have been completed totaling 1343 meters with an average hole depth of 224m on the **Highway and KLR Zones** where Marvel holds 10,000 ha of contiguous claims straddling the highly prospective **Key Lake Fault zone**

- the first phase was designed to test the surface mineralization along the **DD and Highway Zone** and this program was successful in that every hole intersected radiation

- drilling during the phase II program will target uranium mineralization down dip within the fault zones

**NexGen Energy Ltd** announces the completion of the Provincial Environmental Assessment ("EA") technical review and submission of the Final Provincial Environmental Impact Statement ("EIS") to the

Saskatchewan Ministry of Environment for its 100% owned **Rook I Project**

Highlights include:

- **Rook I Project** is located in the SWA and includes underground and surface facilities to support the mining and processing of uranium ore from the **Arrow Deposit**

- NexGen acknowledges the contribution and partnership of all four local Indigenous communities in the local project area whom, thorough industry-leading Benefit Agreements, have all confirmed their formal and legal consent for the Company and Project through its entire lifespan

- The submission of the Final Provincial EIS is a significant step in the regulatory advancement of the **Rook I Project**.

## COMMODITIES AT A GLANCE

**Searchlight Resources Inc** completes and files **43-101 report** on **Kulyk Lake** rare earths and uranium property

Highlights include:

- a comprehensive summary of past exploration prior to Searchlight's work on **Kulyk Lake Claims**, including the 2009 high-grade rare-earth discovery by a previous company.
- The **NI 43-101** report provides recommendations for future exploration work based on the findings and potential of the project. Searchlight endorses these recommendations and has filed for an exploration permit to carry out a further phase of work at **Kulyk Lake**.

**Skyharbour Resources Ltd** announces that it has acquired via staking seven new prospective uranium exploration claims in Northern Saskatchewan, increasing Skyharbour's total land package to 518,302 ha across 24 projects.

Highlights include:

- **CBX Project** – additional five contiguous claims totalling 6,804 ha linking the Company's former **CBX and Snow projects**
- **Karin Project** – one additional claim totalling 5,882 ha
- **914W Project** – new project totalling 1,260 ha

**Stallion Discoveries Corp** announces preliminary results from the airborne geophysical survey which covered 195,000 Ac across 8 projects in the Eastern and Western Athabasca Basin

Highlights include:

- **Coffer property:** located 3 km SE of **Shea Creek Project** and 13km E of **F3's JR Zone**. Magnetic Tilt Angle Derivative shows excellent structure, including NW-SE trending geology, which occurs parallel to the **Shea Creek's Saskatoon Lake** conductor. The **Beatty River Fault** is visible in the map as a magnetic low cutting through the middle of the project claims.
- **Ford Lake property:** Magnetic Tilt Angle Derivative on the E half of the block shows N/S fabric. In the W half of the block, the N-S oriented fabric is interpreted to be overprinted by a secondary NW trending fabric. The Ford Lake project is located just 10 km to the SW of **CanAlaska/Denison's Moon Lake South project**
- **Gunter property:** consists of four adjoining claims with a total area of 17,769 ha situated in the heart of the Patterson Lake uranium district in the SW Athabasca Basin, approx. 30 km E of **Nexgen Energy's Arrow Deposit**

## COMMODITIES AT A GLANCE

**Standard Uranium Ltd** announces agreement to expand newly staked **Corvo project**

Highlights include:

- Standard Uranium entered into a mineral property purchase sale and agreement with Eagle Plains Resources Ltd. to which Standard will acquire 8 additional mineral claims contiguous with the

**Corvo project**

- expansion of the **Corvo Project** will add an additional 4,278 hectares and 5 kilometres of two strong NE-SW magnetic low trends coincident with EM conductors and cross-cutting faults. Parallel magnetic low trends to the north and south are also added
- uranium mineralization is present along a strike length of 800 metres in drill holes TL-79-3 (0.57% U<sub>3</sub>O<sub>8</sub> over 3.5 m) to TL-79-5 (0.65% U<sub>3</sub>O<sub>8</sub> over 0.1 m) within the new east-central claim
- historical surveys highlight geochemical anomalies along conductive trends and lithologic contacts observed in outcrop. The expanded claims add multiple new data points of uranium anomalism to the project, including surface sample JBWLR011, returning 1,420 ppm U
- elevated radioactivity measured in boulders, outcrop, and drilled rock coupled with the geochemical anomalies present on the **Corvo project** indicate high potential for discovery of additional uranium mineralization

**Traction Uranium Corp** announces completion of technical report on **Key Lake South project**

Highlights include:

- the majority of anomalous thorium (Th) intercepts are associated with rare earth elements (REEs), locally returning strongly anomalous values.
- many of these intercepts are pegmatite-hosted, although amphibolite and structurally-hosted intercepts also occur.
- the northwestern property area, including hole **KLS23-007**, is the most favourable area for Uranium and REE mineralization.
- the area around **KLS23-007** is along trend of the structural feature underlying the Key Lake deposits to the northeast, extending to anomalous Th-REE mineralization drilled in 2008 to the SW.
- hole **KLS23-008**, collared southwest of **KLS-007**, pierced the contact of **Upper Wollaston Group orthogneiss** with underlying **Lower Wollaston Group metapelites**. A short interval of anomalous thorium-REE values occurs directly below the contact.
- anomalous Th-REE values from the 2008 drilling are hosted by pegmatites within metapelites.
- uranium, Th-REE mineralization may provide an alternate exploration target at **Key Lake South**.

## COMMODITIES AT A GLANCE

**Uranium Energy Corp (UEC)** announces that it has closed a purchase agreement with Rio Tinto Inc. to acquire a portfolio of exploration-stage projects

Highlights include:

- a 60% equity stake in the **Henday Lake joint venture**, 100% of the **Milliken project**, and a 50% equity stake in the **Carswell joint venture project**
- with this transaction, UEC has added an additional 44,444 Ac of prospective ground to its existing portfolio
- **Henday project** is less than five kilometers north of the **Roughrider project** and close to support infrastructure offering regional synergies with **Roughrider** and the other projects in the Eastern Athabasca Hub
- **Carswell project** is located just north of the past-producing **Cluff Lake** operation and has uranium showings in drill holes, trenches, outcrop, and boulders that are consistent with the mineralization types found at the former **Cluff Lake operation**
- **Milliken project** represents the western extension of **UEC's Hidden Bay project's Wolf Lake** trend that has multiple uranium showings over 19 km

## BASE METALS

**Apogee Minerals Ltd** announces appointment of new interim CEO, **Tim Fernback**.

**Forum Energy Metals Corp** announces that it has commenced a ground electromagnetic and magnetic survey on its **Still Nickel Project**, located 35km northwest of La Ronge, Saskatchewan

Highlights include:

- Forum's 11,411 ha property covers the favourable geological trend for large nickel deposits to the NE of the historical 245,000 ton **Clam (Howard) Lake** deposit grading 1% nickel, 0.4% copper and 0.04% cobalt

## RARE EARTH ELEMENTS (REEs)

*TREO=Total Rare Earth*

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

**Searchlight Resources Inc** completes and files **43-101 report** on **Kulyk Lake** rare earths and uranium property

Highlights include:

- a comprehensive summary of past exploration prior to Searchlight's work on **Kulyk Lake Claims**, including the 2009 high-grade rare-earth discovery by a previous company.
- The **NI 43-101** report provides recommendations for future exploration work based on the findings and potential of the project. Searchlight endorses these recommendations and has filed for an exploration permit to carry out a further phase of work at **Kulyk Lake**



## COMMODITIES AT A GLANCE

**Traction Uranium Corp** announces completion of technical report on **Key Lake South project**

Highlights include:

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- anomalous Th-REE values from the 2008 drilling are hosted by pegmatites within metapelites.
- uranium, Th-REE mineralization may provide an alternate exploration target at **Key Lake South**.

## LITHIUM

**ACME Lithium Inc** has announced that it has commenced a summer exploration program at its **Bailey Lake pegmatite discovery** area in NE Saskatchewan

Highlights include:

- the large claim block contains multiple indications of spodumene-bearing pegmatites with potentially economic lithium grades.
- spodumene-bearing pegmatites with evolved mineralogy are found on surface in outcrop and boulder trains.
- historical reported sampling by Gem Oil includes up to 3950 ppm Li in **the Bailey Lake region**.
- historical reported sampling by the Saskatchewan Geological Survey includes results up to 3470 ppm Li at **Misaw Lake** region to the east of Bailey Lake.
- till sampling in the region by the Saskatchewan Geological Survey reported numerous sites with elevated lithium and lithium pegmatite associated elements.
- the geological setting, granitic suite characteristics, evolved pegmatite characteristics, occurrence of float with potentially economic lithium grades, and absence of extensive historical exploration in the region is strongly encouraging for exploration expansion in this discovery area.
- starting August 21, 2023 ACME will be conducting a 3-in-1 Airborne Geophysical Survey on the **Bailey Lake Property** which will include Helicopter-borne Tri-axial Gradiometer Magnetics, Radiometrics, and LiDAR (Light Detection and Ranging) to identify regional structural trends and localized controls of pegmatite bodies and other key information to aid in future drill targeting

**Brunswick Exploration Inc** provides a projects update.

Highlights include:

- Brunswick Exploration pauses activities in Saskatchewan.
- Brunswick Exploration terminates the option agreement with Searchlight Resources and Eagle Plains Resources in the **Hanson Lake area**.
- 2024 evaluation planned for next steps in Reindeer Lake, and La Ronge area following the discovery of two lepidolite-bearing pegmatites (lithium mica).

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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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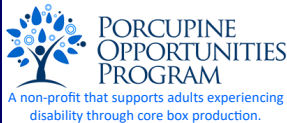
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