

August 2022

Northern Saskatchewan Mineral Exploration Highlights

Inside

The Front Page.....	3
Regional Activity.....	8
Commodities at a Glance.....	21
Advertisements.....	30
Company Directory.....	36
Exploration Service Directory...	38

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

We have direct email circulation to over 150 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

CAMECO CORP reported Q2 results. Highlights include: Q2 Net Earnings of \$84 million, **Cigar Lake** ownership by **Cameco** and **Orano** increased from the acquisition of **Idemitsu Canada Resources Ltd's 7.875%**. Cameco's ownership stake in Cigar Lake now stands at 54.547%. Cigar Lake production update: expectation to produce 18 million pounds in 2023, Cameco's share expected to be 9.5 million pounds. Update to operational readiness for **Key Lake/McArthur River**; adjustments have been made to the schedule to accommodate some delays and anticipated first production will be deferred to later in the fourth quarter. Expectations are 850 employees and long-term contractors when operations resume, with expected production up to 2 million pounds of U3O8 in 2022.

UEX Corp announced it has received an unsolicited non-binding proposal from **Denison Mines Corp** for the acquisition of all the issued and outstanding common shares of UEX. In accordance with the UEC Arrangement Agreement, UEX notified UEC that it considers the Denison offer to be a "Superior Proposal". **UEC** has the right for a period of 5 business days to offer to amend the terms of the UEC Arrangement Agreement.

Denison Mines announced it confirms that it has made a confidential "Acquisition Proposal" to **UEX Corp** which constitutes a "Superior Proposal" as defined in the "Arrangement Agreement" between UEX and UEC. The non-binding Acquisition Proposal remains subject to entering into a Definitive Agreement.

An acquisition of UEX has multiple benefits for Denison including consolidation of 100% ownership in Wheeler River.

APPROVAL FOR DENISON'S ISL TESTING OF PHOENIX DEPOSIT

13 July 2022

World Nuclear News

Denison Mines has received approval from the Saskatchewan Minister of Environment to prepare, construct and operate the facilities required to carry out the in-situ leach (ISL) feasibility field test planned for the Phoenix deposit at the Wheeler River uranium project.



The Wheeler River exploration camp (Image: Denison Mines)

The feasibility field test (FFT) is designed to use the existing commercial-scale ISL test pattern, installed at Phoenix in 2021, to facilitate a combined assessment of the deposit's hydraulic flow properties with the leaching characteristics that have been assessed through the metallurgical core-leach testing programme. Overall, the FFT is intended to provide further verification of the permeability, leachability, and containment parameters needed for the successful application of the ISL mining method at Phoenix and is expected to validate and inform various feasibility study design elements - including the production and remediation profiles expected for the project.

The approval granted by the Minister of Environment authorises Denison to operate "pollutant control facilities", including mineralised precipitate facilities, radon air pollution abatement equipment, and hazardous substances and waste dangerous goods storage facilities. The approval followed the completion of a process involving the review of and consultation on the company's permit application and supporting materials related to the FFT.

Toronto-based Denison said preparation and construction of the FFT facilities "are now fully authorised and are expected to commence shortly". It noted the temporary surface facilities required to complete the FFT are planned to be installed at the Phoenix site during the third quarter of 2022. Denison added, "The majority of the test activities ... will occur within an estimated 60-day operating time frame, with the construction and placement of temporary facilities commencing approximately two months prior to the commissioning of the test facilities and initiation of the leaching phase".

The Canadian Nuclear Safety Commission has determined that a Nuclear Substance Licence is also required for Denison to possess and store the mineralised solution containing uranium resulting from the operation of the FFT. Denison said it expects to receive the licence before the site preparation and commissioning activities are completed.

Kevin Himbeault, Denison's vice president of plant operations and regulatory affairs, welcomed the receipt of the minister's approval. "This is a significant advancement for the FFT, which is a key step in the process of de-risking the proposed Phoenix ISL uranium mining operation and is expected to provide important details to support the ongoing feasibility study," he said.

"The FFT represents a first-of-its-kind test of a uranium mining method that is new to Canada," added Denison President & CEO David Cates. "Successfully navigating the regulatory environment in Saskatchewan to develop conditions for the oversight of a novel advanced field test is a notable accomplishment for both the Denison team and the regulatory team from the Ministry of the Environment."

Wheeler River is a joint venture between Denison (90% and operator) and JCU (Canada) Exploration Company Limited (10%), with combined indicated mineral resources of 132.1 million pounds U₃O₈ (50,812 tU) and inferred resources of 3.0 million pounds U₃O₈. The project - in the Athabasca Basin region of northern Saskatchewan - is estimated to have mine production of 109.4 million pounds U₃O₈ over a 14-year mine life.

Researched and written by World Nuclear News

CANADIAN NUCLEAR SAFETY COMMISSION APPROVES NEXGEN DRAFT EIS TO PROCEED TO TECHNICAL REVIEW

15 July 2022
NexGen Energy Ltd.

VANCOUVER, BC, July 15, 2022 /CNW/ - **NexGen Energy Ltd.** ("NexGen" or the "Company") (TSX: NXE) (NYSE: NXE) (ASX: NXG) is pleased to announce that on July 12, 2022, the Canadian Nuclear Safety Commission ("CNSC") announced their acceptance of the draft Environmental Impact Statement (the "EIS") which the Company completed submission of in June 2022 (see News Release dated June 21, 2022). The acceptance of the draft EIS for NexGen's 100% owned Rook I Project ("Rook I" or the "Project") located in Saskatchewan's southwestern Athabasca Basin follows a 30-day period during which the CNSC conducted a conformance review of the draft EIS submission and confirmed no comments or conditions. Further, the acceptance marks the formal commencement of the 90-day period during which the CNSC will coordinate both the Federal technical and public review of the draft EIS.

Leigh Curyer, Chief Executive Officer commented: "The CNSC's acceptance of the Rook I Project's draft EIS is a significant step, transitioning the Project into the Federal EIS technical and public review phase, incorporating rigorous and transparent Provincial and Federal EA review processes. NexGen's approach to all aspects of the EIS compilation and completion with respect to inclusive Indigenous and community engagement, incorporating elite environmental mine designs and its transparent engagement with regulators and governments is a credit to the team and community stakeholders. On behalf of everyone at NexGen, I would like to thank all of our valued stakeholders for their commitment and dedication to this multi-generational Rook I Project.

The magnitude of generational positive impact benefits to materialize with the safe advancement of this project, starting with local communities and concluding with the avenue to return Canada to leading the world in the provision of clean air energy fuel, has no peer."

The EIS represents the collection of reports that document NexGen's environmental assessment ("EA") of the Project. NexGen conducted the EA pursuant to The Environmental Assessment Act of Saskatchewan and the Canadian Environmental Assessment Act, 2012. The information and analysis conducted and submitted in the EIS represent the basis against which the environmental, social, and human health effects of the Project will be evaluated by the Saskatchewan Ministry of Environment ("ENV") and the CNSC. In parallel to the CNSC-led federal review, the ENV is currently coordinating a technical review of the draft EIS, which is scheduled to conclude in Q3 2022.

The EIS and the EIS Master Executive Summary can both be found at www.saskatchewanuranium.ca or www.nexgenenergy.ca.

TRACTION URANIUM EXECUTES SERVICE AGREEMENT WITH UNIVERSITY OF SASKATCHEWAN
RESEARCH TEAM TO UTILIZE INNOVATIVE URANIUM VECTORING TECHNIQUE USING RADIATION
INDUCED DEFECTS IN QUARTZ

6 July 2022

Globe Newswire | Junior Mining Network

Vancouver BC – **Traction Uranium Corp.** (the “Company” or “Traction”) (**CSE: TRAC**) (**OTC: TRCTF**) (**FRA: Z1K**), a mineral exploration issuer focusing on the development of discovery prospects in Canada, including its two flagship uranium projects in the world-renowned Athabasca Region, is pleased to announce execution of a master service agreement with the **University of Saskatchewan** to add to the Companies exploration programs at both **Hearty Bay** and **Lazy Edward Bay**.

Lester Esteban, Chief Executive Officer, stated “The Saskatchewan expertise in mining and uranium is what makes this province one of the best rated jurisdictions for mining and exploration. The innovation coming out of the University of Saskatchewan elevates the industry, the novel technique pioneered by Dr. Yuanming Pan will assist us in determining whether a target area had uranium-bearing fluids or not and help our team define and trace the conduit(s) of uranium-bearing fluids. The data derived from the work will assist us in returning a more cost effective and higher accuracy drilling program over our peers by examining quartz degradation caused by radiation emitted from decaying uranium as another vector to our program. By focusing our efforts in the right areas and combining this new technology with the data gathered from our drilling programs, we maximize the dollars in the ground for our investors.”

Technical Overview:

The intended research collaboration between the University of Saskatchewan and Traction Uranium Corp will make use of radiation-induced defects in quartz as a new vector for uranium exploration at the Hearty Bay and Lazy Edward Bay property in northern Saskatchewan. This research is based on the discovery of some radiation-induced defects in quartz formed from the bombardment of alpha particles emitted from the decay of uranium (and thorium) isotopes. Therefore, the amounts of these radiation-induced defects in quartz often record the quantity/duration of uranium-bearing fluids that existed in that area in the past.

This method started from research on the Key Lake and McArthur River mines and has been applied to the Maw Zone, the Phoenix Deposit, and the Arrow Deposit.

The main analytical techniques used for this research are cathodoluminescence (CL) imaging and electron paramagnetic resonance (EPR) spectroscopy. The former technique visually detects radiation-induced defects in minerals but is less sensitive, while the latter is more sensitive and allows quantitative estimations of radiation-induced defects.

The program will start with a systematic sampling of the Hearty Bay and Lazy Edward Bay property and is followed by careful sample preparations and data analyses (polished thin sections for CL imaging and mineral separates for EPR). The anticipated results from this research are in the form of a detailed documentation on the distribution (both 2D and 3D) of radiation-induced defects in quartz at both properties, which can be integrated with data from other techniques (e.g. geophysics and geochemistry) to guide the exploration program (i.e., narrowing down targets for further exploration).



Azincourt provided the analytical results from the winter 2022 drilling program at the **East Preston Uranium Project**. Azincourt controls a majority 72.8% interest as part of a JV Agreement with **Skyharbour Resources Ltd** and **Dixie Gold Inc.**

Highlights include

- drilling for the 2022 winter season totaled 5,004 m in 19 holes
- 420 samples were sent to SRC
- an analysis of the results shows uranium enrichment within the previously identified alteration zones along the G, K and H target zones, with U values and U/Th ratios above normal levels (up to 19.5 ppm U)
- a thorough review is underway with preparation for an extensive follow-up program planned for the winter of 2022-2023.

Azincourt provided an update on plans for the upcoming fall and winter field seasons at the **East Preston and Hatchet Lake Projects**.

Highlights include

East Preston

- plans for an extensive drilling program for the fall and winter of 2022/2023
- program to consist of 6,000 m in 20 holes
- mobilization anticipated to begin in December with drilling to commence in January 2023

Hatchet Lake

- recent acquisition whereby Azincourt can earn a 75% interest from **ValOre Metals Corp**
- located along the NE extension of the WMTZ
- planned ground reconnaissance to verify targets
- ground HLEM to verify conductor locations
- helicopter-supported diamond drill program to be conducted in the fall of 2022 consisting of 1500 m in 8-10 holes



NexGen Energy announced drill results from its 2021 drilling program, NexGen has commenced 2022 drilling focused on regional exploration targets at the **Rook 1 Project**.

Highlights include

- 10,849 m drilled in 2021 in 18 holes
- multiple intersections of uranium mineralization were made below **Arrow** including 0.10% U3O8 over 7.0 m from 1128-1135 m down hole
- uranium concentrations of 0.10% U3O8 at **Camp East** from 166-167 m downhole associated with brittle structure and hydrothermal alteration.

2022 Drilling Targets

- Patterson Corridor (PLC)
- Mirror
- PLC East
- Derkson West, Derkson, Derkson East

2022 Geophysics Target Areas

- SW 1 ground EM along 9 km conductor
- SW 2 ground gravity survey
- SW 3 ground IP/Resistivity survey along 6 km of prospective conductor



Purepoint announced the commencement of a deep-sensing **Z-Axis Tipper EM (ZTEM)** airborne survey over the northern portion of the **Carter Corridor** at the **Hook Lake Joint Venture**, a JV between **Cameco Corp** (39.5%), **Orano Canada Inc** (39.5%) and **Purepoint** (21%).

Highlights include

- the ZTEM survey will cover 653-line kms @ 300 m line-spacing.



Standard announced that the Spring/Summer drill program on its **Davidson River Project** has been successfully completed.

Highlights include

- 4,107 m completed in 10 holes
- elevated radioactivity and significant structural and lithological signatures of a basement-hosted uranium-bearing system was intersected
- highly deformed and graphitic structural zones identified several new priority follow-up targets along the **Thunderbird** and **Bronco** trends
- multi-km portions of conductive corridors remain to be tested
- priority follow-up targets are being planned and are scheduled to be drilled in 2023

Standard announced the engagement of **GoldSpot Discoveries Corp** in a partnership to develop new and advanced drill targets on all 5 of the Company's Projects. **GoldSpot** geoscientists and data scientists will utilize cutting-edge exploration techniques through a variety of traditional and machine-learning applications and extract further value from existing data sets in addition to new prospective intersections from the 2022 program.



92E provide an update on the final uranium assays from the **Gemini Winter Drill Program**.

Highlights include

- GEM22-006 intersected 8.0 m @ 0.25% U₃O₈ (229.0-237.0 m) and 5.0 m @ 0.14% U₃O₈ (239.5-244.5 m) including 0.78% U₃O₈ from 233.5-234.5 m
- GEM22-013 intersected 2.5 m @ 0.17% U₃O₈ (160.5-163.0 m)
- Summer 2022 drill program is ongoing

92 E announced that 12 of 14 summer drill holes have intersected uranium mineralization at **GMZ**

Highlights include

- GEM22-035 intersected 32.6 m of total composite uranium mineralization
- GEM22-037 intersected 34.2 m of total composite uranium mineralization
- recent results confirm that mineralization at **GMZ** begins as shallow as 60 m below surface
- summer drill program expanded by 1200 for a total of 7200 m
- drilling will continue along strike to the NE and SW

92 Energy announced that a drill program is planned to commence mid-September 2022 on its **Tower Uranium Project** located 10 km from the Cigar Lake Uranium Mine.



Canalaska announced it has intersected a wide interval of basement-hosted uranium mineralization along a newly defined trend on the **West McArthur Project**.

Highlights include

- WMA-067 intersected a broad, 6.3 m long interval of elevated radioactivity >300 cps from 906.3-912.6 m, including 3.5 m @ >5,000 cps with a maximum of 39,000 cps.
- WMA-067 is 6 km along strike to the SW of the **42 Zone mineralization**.



Cosa announced it has closed the acquisition of a 100% interest in **Polaris Uranium Corp.**

Highlights include

-the **Castor** and **Charcoal** properties are beyond the eastern edge of the Athabasca Basin and are prospective for basement-hosted uranium mineralization. The **Ursa** and **Orion** properties are located 45 km west of the Cigar Lake Mine and prospective for both unconformity and basement-hosted uranium mineralization.



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An acquisition of UEX has multiple benefits for Denison including consolidation of 100% ownership in Wheeler River.



Fission 3.0 announced it has commenced a drill program at its **Murphy Lake Project located 5 km from ISO Energy's Hurricane Zone.**

Highlights include

-plans are to drill 2400 m in 6 holes
-testing a new >1.5 km long N-S Resistivity low zone from a recently completed survey



ISO updated its Winter exploration results and announced its Summer 2022 exploration plans for its **Eastern Athabasca Basin uranium properties**.

Winter Assay Results & Geophysical Surveys Update

Larocque East Project

- at the Hurricane Zone, LE22-115A intersected 2.0 m @ 1.0% U₃O₈ including 0.5 m @ 3.3% U₃O₈, 75 m west of LE21-101
- 3.8 km to the E-NE LE22-116 intersected 0.5 m @ 0.4% U₃O₈

Hawk Project

- EM surveying during the winter 2022 advanced the project to a drill-ready state

Ranger Project

- EM surveying during the winter 2022 advanced the project to a drill-ready state

Summer 2022 Exploration Plans

Highlights include

- diamond drilling at **Larocque east, Geiger** and **Trident** totaling 7,000 m
- airborne geophysical surveying at **Evergreen, Spruce, East Rim, Edge** and **Full Moon**.

ISO Energy announced an initial **Mineral Resource Estimate** for the **High-Grade Hurricane Uranium Deposit**, on its **Larocque East Project**.

Highlights include

- Indicated Mineral Resources 48.61 million pounds U₃O₈ based on 63,800 tonnes @ 34.5% U₃O₈ including 43.89 million pounds U₃O₈ @ 52.1% U₃O₈ within the High-Grade Domain
- Inferred Mineral Resource of 2.66 million pounds U₃O₈ based on 54,300 tonnes @ 2.2% U₃O₈
- the **Hurricane Zone** is 375 m along strike and up to 125 m wide and up to 12 m thick.



Marvel announced it has applied for the necessary permits to complete an inaugural diamond drilling program at the **DD Zone**, within the **KLR-Walker Uranium Project**.

Highlights include

- program will consist of 1,000 m in 10 holes
- the DD Zone straddles the Key Lake Shear Zone within the WMTZ.



Okapi announced it has started its field exploration program at the **Newnham Lake** and **Perch Uranium Projects**, located on the NE edge of the Athabasca Basin, 75 km E-SE of Stony Rapids.

Highlights include

- the aim of the exploration program is to prioritize drill targets in basement rocks for testing in the Winter of 2023
- results of satellite analysis and compilation by **Axiom Exploration Group** being utilized
- program to consist of prospecting, outcrop and boulder sampling with potential soil & vegetation sampling



Searchlight announced it has completed the initial prospecting program on the **Kulyk Lake Rare Earth Element (REE) project**, located 165 km north of La Ronge and 65 km south of the Key Lake Uranium Mine.

Highlights include

- 2021 anomalous airborne radiometric results verified
- field scintillometer readings of up to 13,800 cps
- known area of **Kulyk Lake Pegmatite System** expanded
- newly identified pegmatites and prospective area on the north side of **Kulyk Lake**
- 18 grab samples were collected, along with 80 scintillometer readings.
- grab samples will be submitted to SRC for analysis. Samples of monazite from the **Fanta REE** showing will be submitted for detailed chemical analysis, petrographic studies, and preliminary metallurgical testing.



Skyharbour announced the closing of the Option Agreement with **Rio Tinto Exploration Canada Inc.**, to acquire up to 100% of the **Russell Lake Uranium Project**, comprising 26 claims totaling 73,294 ha situated between Skyharbour's Moore Uranium Project and Denison Mine's Wheeler River Project.



UEX Corp announced it has received an unsolicited non-binding proposal from **Denison Mines Corp** for the acquisition of all the issued and outstanding common shares of UEX. In accordance with the **UEC Arrangement Agreement**, UEX notified UEC that it considers the Denison offer to be a "Superior Proposal". UEC has the right for a period of 5 business days to offer to amend the terms of the UEC Arrangement Agreement.

UEX announced it has filed an updated technical report for the Company's 65.5492% directly owned **Christie Lake Project**. The remaining 34.450% interest is owned by **JCU (Canada) Exploration Company Ltd**, which in turn is 50% owned by **UEX** and 50% owned by **Denison Mines Corp**.

Highlights include

- Christie Lake** mineral resource estimate determined using a cut-off grade of 0.20% U3O8
- a total of 588,000 tonnes containing 20.35 million pounds of U3O8 at an average grade of 1.57% U3O8 estimated in the inferred mineral resource category.

UEX announced the commencement of the summer drilling program at the **Christie Lake Project**. A summer drilling program also commenced at the **Waterfound River JV**, in which the Company's 50% owned subsidiary **JCU Canada Exploration Co Ltd** is a minority owner.

Highlights include

Christie Lake

- 8,000 m planned in 12 holes utilizing two rigs

Waterfound River

- 4,000 m planned in 8 holes



VALOR RESOURCES

Valor announced the completion of an extensive data review and targeting process on the **Surprise Creek Project** to the NW of the Athabasca Basin.

Highlights include

- historical drilling on the **Surprise Creek Fault** highlighted by 2.1 m @ 4.37% U3O8 including 0.9 m @ 7.5% U3O8
- other results include 1.5 m @ 0.1% U3O8, 0.43 m @ 0.49% U3O8 and 0.15 m @ 0.83% U3O8
- exploration model is structurally controlled vein type uranium deposits
- reconnaissance field work to commence mid-July with geological mapping and rock chip sampling
- copper target areas to the SW over 1.5 km with rock chips to 5.9% Cu and soil samples to 3,300 ppm Cu. Claims extended to SW.

Valor continues to work through the historical exploration data from its 8 projects, with on-ground work set to commence at **Cluff Lake** and **Surprise Creek** in July, and results of the recently completed airborne gravity survey at the **Cluff Lake**, **Hook Lake** and **Hidden Bay Projects** to be finalized during the current quarter.

Assays from the Winter drilling at **Hook Lake** are also expected in August, with data review and targeting at **Pendleton**, **MacPherson**, **Smitty** and **Larado** to be completed by September.



Eagle Plains
Resources Ltd.

EPL:TSX-V

Eagle Plains has been notified by option partner **Canter Resources Corp** that the 2022 field season at its **Schotts Lake Cu-Zn Project** located 40 km NW of Flin Flon, has been completed

Highlights include

- the 2022 field program included soil sampling, litho-geochemical sampling, and geological mapping on high-priority targets identified by the 2021 EM geophysical survey
- comprehensive modelling of property geophysical data, including a high-resolution 2008 VTEM airborne survey is underway
- results will be used to generate new targets
- 2022 program work was managed by **Terralogic Exploration Services**.



Foran announced an agreement with **SANDVIK** to supply initial underground **Battery Electric** equipment for **McIlvenna Bay**.

Highlights include

- initial equipment order includes battery electric underground drills, trucks and loaders that will be used in the mine's development and production activities
- SANDVIK will maintain all batteries through a service agreement and will support the Foran maintenance team through embedded OEM battery and equipment technicians.



Fathom announced it has acquired the **Tremblay-Olson Showing** claims totaling 315 ha from **Eagle Plains Resources Ltd.**

Highlights include

- the **Tremblay-Olson Showing** refers to an ultramafic hosted Ni-Cu+PGE showing 2.4 km SW of the historic Rottenstone Mine
- trenching and stripping over 106.7 m exposed a lens of mineralized pyroxenite containing up to 40% sulphides
- assays of up to 3.11% Ni, 0.34% Cu, 1.01 g/t Pd and 0.46 g/t Pt (SMDI#0959)

Fathom provided an update on its Summer Exploration Program on its **Albert Lake Property.**

Highlights include

- upon completion between 12 and 15 drill holes totaling 1500 m will have been drilled on-trend south of drill hole AL2-057 in the **Bay Area Conductive Corridor.**
- to date, several drill holes have intersected mineralized ultramafic and magmatic sulphide textures similar to the magmatic textures recognized in the Winter Program
- magmatic nickel mineralization in drill hole intervals up to 16 m recognized 140 m south of drill hole AL22-057, confirming that the Bay Area Conductive Corridor extends for more than 300 m along strike and remains "open" along strike both north and south
- assays are pending

An AirTEM survey has been flown over three individual grid areas totaling 2,447-line kms

Highlights include

- a detailed grid @ 50 m line-spacing was flown over the **Bay Area Conductive Area** and the **Rottenstone Mine Area**
- a detailed grid @ 50 m line-spacing was flown over the recently acquired **Tremblay-Olson Area**
- a grid @ 100 m line-spacing was flown **E-SE** of the historic **Rottenstone Mine** to compliment existing soil geochemistry and gradient MAG survey results.



Rockridge mobilizing to begin a summer drill program at the **Knife Lake High-Grade Copper VMS Project**, under option from **Eagle Plains Resources Ltd.**

Highlights include

- approximately 1,000-1,200 m drilling planned
- drilling will focus on the **Gilbert Lake Zone** as well as expansion and infill drilling at the **Knife Lake Deposit**
- new VTEM data displays up to 15 km strike length of highly conductive, near-surface anomalies.



Appia announced assay results from the remainder of its 2021 drilling program including results from the “**Western Anomaly**” (WA) area of its **Alces Lake rare earth element (REE) and gallium property**.

Highlights include

- 14,000 m drilling completed to date with 20,000 m planned for the 2022 field season
- multiple TREO intercepts in three **Sweet Chili Heat** holes close to surface in the **Western Anomaly (WA)**.
- Sweet Chili Heat** 21-SCH-001 intersected 3.46 m @ 3.518 wt% TREO including 11.82 wt% TREO over 0.36 m at 6.94 m depth
- 21-SCH-002 intersected 2.40 m @ 1.271 wt% TREO including 7.99 wt% TREO over 0.23 m and 9.67 wt% TREO over 0.24 m
- 21-SCH-003 intersected 1.30 m @ 3.28 wt% TREO including 12.65 wt% TREO over 0.32 m
- Diablo** 21-DIA-001 (also in the WA) intersected 6.13 m @ 1.836 wt% TREO including 14.96 wt% TREO over 0.66 m at a depth of 7.64 m
- Phase 1 drilling complete at **Magnet Ridge (formerly Augier)** with 34 holes completed, assays pending
- new discovery of anomalous radioactivity at **Magnet Ridge West** with drilled widths up to 49 m in 10 new holes

Appia announced it has completed the initial Phase of the 2022 exploration/drilling program at its **Alces Lake REE and gallium Property**.

Highlights include

- 17,481 m drilled in 4.5 months
- additional delineation drilling on the high grade **WRCB** discovery including previously undrilled targets at **Danny and Wilson/Wilson North**
- initial delineation drilling on the discoveries at **Magnet Ridge** (previously Augier) and **Magnet Ridge West** included 44 holes totaling 7,344 m
- drilling on the **Western Anomaly** at **Sweet Chili Heat, Diablo and Buffalo** to follow up on 2021 results
- a new high-resolution aerial high resolution radiometric and EM survey totaling 4,864 lin- kms to be flown over the new Alces Lake claims added in 2021
- planning commenced for upcoming 2022/2023 uranium exploration



Hatchet Lake Project

-Azincourt is planning to complete its first drill program at the **Hatchet Lake Project**, located along the Wollaston Domain on the NE edge of the Athabasca Basin, in September-October 2022.



Gold Lion has assumed cash payments, common share issuances and property expenditures required to earn a 100% interest in the **Nickel Plate Project**, located NE of Stony Rapids.

Highlights include

-the **Nickel Plate Project** comprises 21 mineral claims which were acquired by **Numco** pursuant to an option agreement entered into on March 7, 2022, with **Gem Oil Inc** and **Bartaine Investments Co Ltd**.

-the Project is adjacent to properties/claims owned by **Kobold Metals Inc (Faith in Gravity Holdings)**

-Gold Lion's **Nickel Plate Property** comprises 21 mineral claims covering 21,369 ha

-the Company is planning a summer 2022 exploration program to commence in August and has applied for an extension of time required to complete the work and file the assessment reports.



Standard Uranium Ltd announced the engagement of **GoldSpot Discoveries Corp** in a partnership to develop new and advanced drill targets on all 5 of the Company's Projects. **GoldSpot** geoscientists and data scientists will utilize cutting-edge exploration techniques through a variety of traditional and machine-learning applications and extract further value from existing data sets in addition to new prospective intersections from the 2022 program.



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- other results include 1.5 m @ 0.1% U₃O₈, 0.43 m @ 0.49% U₃O₈ and 0.15 m @ 0.83% U₃O₈
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- reconnaissance field work to commence mid-July with geological mapping and rock chip sampling
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COMMODITIES AT A GLANCE

URANIUM

92 Energy Ltd provide an update on the final uranium assays from the **Gemini Winter Drill Program**.

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- GEM22-035 intersected 32.6 m of total composite uranium mineralization
- GEM22-037 intersected 34.2 m of total composite uranium mineralization
- recent results confirm that mineralization at **GMZ** begins as shallow as 60 m below surface
- summer drill program expanded by 1200 for a total of 7200 m
- drilling will continue along strike to the NE and SW

92 Energy Ltd announced that a drill program is planned to commence mid-September 2022 on its **Tower Uranium Project** located 10 km from the Cigar Lake Uranium Mine.

Azincourt Energy Corp provided the analytical results from the winter 2022 drilling program at the **East Preston Uranium Project**. Azincourt controls a majority 72.8% interest as part of a JV Agreement with **Skyharbour Resources Ltd** and **Dixie Gold Inc.**

Highlights include

- drilling for the 2022 winter season totaled 5,004 m in 19 holes
- 420 samples were sent to SRC
- an analysis of the results shows uranium enrichment within the previously identified alteration zones along the G, K and H target zones, with U values and U/Th ratios above normal levels (up to 19.5 ppm U)
- a thorough review is underway with preparation for an extensive follow-up program planned for the winter of 2022-2023.

Hatchet Lake Project

- Azincourt is planning to complete its first drill program at the Hatchet Lake Project, located along the Wollaston Domain on the NE edge of the Athabasca Basin, in September-October 2022.

COMMODITIES AT A GLANCE

Azincourt Energy Corp provided an update on plans for the upcoming fall and winter field seasons at the **East Preston and Hatchet Lake Projects**.

Highlights include

East Preston

- plans for an extensive drilling program for the fall and winter of 2022/2023
- program to consist of 6,000 m in 20 holes
- mobilization anticipated to begin in December with drilling to commence in January 2023

Hatchet Lake

- recent acquisition whereby Azincourt can earn a 75% interest from **ValOre Metals Corp**
- located along the NE extension of the WMTZ
- planned ground reconnaissance to verify targets
- ground HLEM to verify conductor locations
- helicopter-supported diamond drill program to be conducted in the fall of 2022 consisting of 1500 m in 8-10 holes

Canalaska Uranium Ltd announced it has intersected a wide interval of basement-hosted uranium mineralization along a newly defined trend on the **West McArthur Project**.

Highlights include

- WMA-067 intersected a broad, 6.3 m long interval of elevated radioactivity >300 cps from 906.3-912.6 m, including 3.5 m @ >5,000 cps with a maximum of 39,000 cps.
- WMA-067 is 6 km along strike to the SW of the **42 Zone mineralization**.

Cosa Resources Corp announced it has closed the acquisition of a 100% interest in **Polaris Uranium Corp**.

Highlights include

- the **Castor** and **Charcoal** properties are beyond the eastern edge of the Athabasca Basin and are prospective for basement-hosted uranium mineralization. The **Ursa** and **Orion** properties are located 45 km west of the Cigar Lake Mine and prospective for both unconformity and basement-hosted uranium mineralization.

Fission 3.0 Corp announced it has commenced a drill program at its **Murphy Lake Project**

Highlights include

- plans are to drill 2400 m in 6 holes
- testing a new >1.5 km long N-S Resistivity low zone from a recently completed survey

ISO Energy Ltd announced an initial **Mineral Resource Estimate** for the **High-Grade Hurricane Uranium Deposit**, on its **Larocque East Project**.

Highlights include

- Indicated Mineral Resources 48.61 million pounds U3O8 based on 63,800 tonnes @ 34.5% U3O8 including 43.89 million pounds U3O8 @ 52.1% U3O8 within the High-Grade Domain
- Inferred Mineral Resource of 2.66 million pounds U3O8 based on 54,300 tonnes @ 2.2% U3O8
- the **Hurricane Zone** is 375 m along strike and up to 125 m wide and up to 12 m thick.

COMMODITIES AT A GLANCE

ISO Energy Ltd updated its Winter exploration results and announced its Summer 2022 exploration plans for its **Eastern Athabasca Basin uranium properties**.

Winter Assay Results & Geophysical Surveys Update

Larocque East Project

-at the Hurricane Zone, LE22-115A intersected 2.0 m @ 1.0% U₃O₈ including 0.5 m @ 3.3% U₃O₈, 75 m west of LE21-101

-3.8 km to the E-NE LE22-116 intersected 0.5 m @ 0.4% U₃O₈

Hawk Project

-EM surveying during the winter 2022 advanced the project to a drill-ready state

Ranger Project

- EM surveying during the winter 2022 advanced the project to a drill-ready state

Summer 2022 Exploration Plans

Highlights include

-diamond drilling at **Larocque east**, **Geiger** and **Trident** totaling 7,000 m

-airborne geophysical surveying at **Evergreen**, **Spruce**, **East Rim**, **Edge** and **Full Moon**.

Marvel Discovery Corp announced it has applied for the necessary permits to complete an inaugural diamond drilling program at the **DD Zone**, within the **KLR-Walker Uranium Project**.

Highlights include

-program will consist of 1,000 m in 10 holes

-the DD Zone straddles the Key Lake Shear Zone within the WMTZ.

NexGen Energy Ltd announced drill results from its 2021 drilling program, NexGen has commenced 2022 drilling focused on regional exploration targets at the **Rook 1 Project**.

Highlights include

-10,849 m drilled in 2021 in 18 holes

-multiple intersections of uranium mineralization were made below **Arrow** including 0.10% U₃O₈ over 7.0 m from 1128-1135 m down hole

-uranium concentrations of 0.10% U₃O₈ at **Camp East** from 166-167 m downhole associated with brittle structure and hydrothermal alteration.

2022 Drilling Targets

-Patterson Corridor (PLC)

-Mirror

-PLC East

-Derkson West, Derkson, Derkson East

2022 Geophysics Target Areas

-SW 1 ground EM along 9 km conductor

-SW 2 ground gravity survey

-SW 3 ground IP/Resistivity survey along 6 km of prospective conductor

COMMODITIES AT A GLANCE

Okapi Resources Ltd announced it has started its field exploration program at the **Newnham Lake** and **Perch Uranium Projects**, located on the NE edge of the Athabasca Basin, 75 km E-SE of Stony Rapids.

Highlights include

- the aim of the exploration program is to prioritize drill targets in basement rocks for testing in the Winter of 2023
- results of satellite analysis and compilation by **Axiom Exploration Group** being utilized
- program to consist of prospecting, outcrop and boulder sampling with potential soil & vegetation sampling

Purepoint Uranium Group Inc announced the commencement of a deep-sensing **Z-Axis Tipper EM (ZTEM)** airborne survey over the northern portion of the **Carter Corridor** at the **Hook Lake Joint Venture**, a JV between **Cameco Corp** (39.5%), **Orano Canada Inc** (39.5%) and **Purepoint** (21%).

Highlights include

- the ZTEM survey will cover 653-line kms @ 300 m line-spacing.

Skyharbour Resources Ltd announced the closing of the Option Agreement with **Rio Tinto Exploration Canada Inc**, to acquire up to 100% of the **Russell Lake Uranium Project**, comprising 26 claims totaling 73,294 ha situated between Skyharbour's Moore Uranium Project and Denison Mine's Wheeler River Project.

Standard Uranium Ltd announced that the Spring/Summer drill program on its **Davidson River Project** has been successfully completed.

Highlights include

- 4,107 m completed in 10 holes
 - elevated radioactivity and significant structural and lithological signatures of a basement-hosted uranium-bearing system was intersected
 - highly deformed and graphitic structural zones identified several new priority follow-up targets along the **Thunderbird** and **Bronco** trends
 - multi-km portions of conductive corridors remain to be tested
 - priority follow-up targets are being planned and are scheduled to be drilled in 2023
- Standard announced the engagement of **GoldSpot Discoveries Corp** in a partnership to develop new and advanced drill targets on all 5 of the Company's Projects. **GoldSpot** geoscientists and data scientists will utilize cutting-edge exploration techniques through a variety of traditional and machine-learning applications and extract further value from existing data sets in addition to new prospective intersections from the 2022 program.

UEX Corp announced it has filed an updated technical report for the Company's 65.5492% directly owned **Christie Lake Project**. The remaining 34.450% interest is owned by **JCU (Canada) Exploration Company Ltd**, which in turn is 50% owned by **UEX** and 50% owned by **Denison Mines Corp**.

Highlights include

- Christie Lake** mineral resource estimate determined using a cut-off grade of 0.20% U3O8
- a total of 588,000 tonnes containing 20.35 million pounds of U3O8 at an average grade of 1.57% U3O8 estimated in the inferred mineral resource category.

COMMODITIES AT A GLANCE

UEX Corp announced the commencement of the summer drilling program at the **Christie Lake Project**. A summer drilling program also commenced at the **Waterfound River JV**, in which the Company's 50% owned subsidiary **JCU Canada Exploration Co Ltd** is a minority owner.

Highlights include

Christie Lake

-8,000 m planned in 12 holes utilizing two rigs

Waterfound River

-4,000 m planned in 8 holes

Valor Resources Ltd announced the completion of an extensive data review and targeting process on the **Surprise Creek Project** to the NW of the Athabasca Basin.

Highlights include

-historical drilling on the **Surprise Creek Fault** highlighted by 2.1 m @ 4.37% U3O8 including 0.9 m @ 7.5% U3O8

-other results include 1.5 m @ 0.1% U3O8, 0.43 m @ 0.49% U3O8 and 0.15 m @ 0.83% U3O8

-exploration model is structurally controlled vein type uranium deposits

-reconnaissance field work to commence mid-July with geological mapping and rock chip sampling

-copper target areas to the SW over 1.5 km with rock chips to 5.9% Cu and soil samples to 3,300 ppm Cu. Claims extended to SW.

Valor continues to work through the historical exploration data from its 8 projects, with on-ground work set to commence at **Cluff Lake** and **Surprise Creek** in July, and results of the recently completed airborne gravity survey at the **Cluff Lake, Hook Lake** and **Hidden Bay Projects** to be finalized during the current quarter.

Assays from the Winter drilling at **Hook Lake** are also expected in August, with data review and targeting at **Pendleton, MacPherson, Smitty** and **Larado** to be completed by September.

COMMODITIES AT A GLANCE

CRITICAL ELEMENTS & REEs (Rare Earth Elements)

*TREO=total rare earth oxides=La2O3, CeO2, Pr6O11, Nd2O3, Sm2O3, Eu2O3, Gd2O3, Tb4O7, Dy2O3, Ho2O3, Er2O3, Yb2O3, Y2O3

Appia Rare Earths & Uranium Corp announced assay results from the remainder of its 2021 drilling program including results from the “**Western Anomaly**” (WA) area of its **Alces Lake rare earth element (REE) and gallium property**.

Highlights include

- 14,000 m drilling completed to date with 20,000 m planned for the 2022 field season
- multiple TREO intercepts in three **Sweet Chili Heat** holes close to surface in the **Western Anomaly (WA)**.
- Sweet Chili Heat** 21-SCH-001 intersected 3.46 m @ 3.518 wt% TREO including 11.82 wt% TREO over 0.36 m at 6.94 m depth
- 21-SCH-002 intersected 2.40 m @ 1.271 wt% TREO including 7.99 wt% TREO over 0.23 m and 9.67 wt% TREO over 0.24 m
- 21-SCH-003 intersected 1.30 m @ 3.28 wt% TREO including 12.65 wt% TREO over 0.32 m
- Diablo** 21-DIA-001 (also in the WA) intersected 6.13 m @ 1.836 wt% TREO including 14.96 wt% TREO over 0.66 m at a depth of 7.64 m
- Phase 1 drilling complete at **Magnet Ridge (formerly Augier)** with 34 holes completed, assays pending
- new discovery of anomalous radioactivity at **Magnet Ridge West** with drilled widths up to 49 m in 10 new holes

Appia Rare Earths & Uranium Corp announced it has completed the initial Phase of the 2022 exploration/drilling program at its **Alces Lake REE and gallium Property**.

Highlights include

- 17,481 m drilled in 4.5 months
- additional delineation drilling on the high grade **WRCB** discovery including previously undrilled targets at **Danny and Wilson/Wilson North**
- initial delineation drilling on the discoveries at **Magnet Ridge** (previously Augier) and **Magnet Ridge West** included 44 holes totaling 7,344 m
- drilling on the **Western Anomaly** at **Sweet Chili Heat, Diablo and Buffalo** to follow up on 2021 results
- a new high-resolution aerial high resolution radiometric and EM survey totaling 4,864 lin- kms to be flown over the new Alces Lake claims added in 2021
- planning commenced for upcoming 2022/2023 uranium exploration

Searchlight Resources Inc announced it has completed the initial prospecting program on the **Kulyk Lake Rare Earth Element (REE) project**, located 165 km north of La Ronge and 65 km south of the Key Lake Uranium Mine.

Highlights include

- 2021 anomalous airborne radiometric results verified
- field scintillometer readings of up to 13,800 cps
- known area of **Kulyk Lake Pegmatite System** expanded
- newly identified pegmatites and prospective area on the north side of **Kulyk Lake**
- 18 grab samples were collected, along with 80 scintillometer readings.
- grab samples will be submitted to SRC for analysis. Samples of monazite from the **Fanta REE** showing will be submitted for detailed chemical analysis, petrographic studies, and preliminary metallurgical testing.

COMMODITIES AT A GLANCE

BASE METALS

Eagle Plains Resources Ltd has been notified by option partner **Canter Resources Corp** that the 2022 field season at its **Schotts Lake Cu-Zn Project** located 40 km NW of Flin Flon, has been completed

Highlights include

- the 2022 field program included soil sampling, litho-geochemical sampling, and geological mapping on high-priority targets identified by the 2021 EM geophysical survey
- comprehensive modelling of property geophysical data, including a high-resolution 2008 VTEM airborne survey is underway
- results will be used to generate new targets
- 2022 program work was managed by **Terralogic Exploration Services**.

Fathom Nickel Inc announced it has acquired the **Tremblay-Olson Showing** claims totaling 315 ha from **Eagle Plains Resources Ltd**.

Highlights include

- the **Tremblay-Olson Showing** refers to an ultramafic hosted Ni-Cu+PGE showing 2.4 km SW of the historic Rottenstone Mine
- trenching and stripping over 106.7 m exposed a lens of mineralized pyroxenite containing up to 40% sulphides
- assays of up to 3.11% Ni, 0.34% Cu, 1.01 g/t Pd and 0.46 g/t Pt (SMDI#0959)

Fathom Nickel Inc provided an update on its Summer Exploration Program on its **Albert Lake Property**.

Highlights include

- upon completion between 12 and 15 drill holes totaling 1500 m will have been drilled on-trend south of drill hole AL2-057 in the **Bay Area Conductive Corridor**.
- to date, several drill holes have intersected mineralized ultramafic and magmatic sulphide textures similar to the magmatic textures recognized in the Winter Program
- magmatic nickel mineralization in drill hole intervals up to 16 m recognized 140 m south of drill hole AL22-057, confirming that the Bay Area Conductive Corridor extends for more than 300 m along strike and remains “open” along strike both north and south
- assays are pending

An AirTEM survey has been flown over three individual grid areas totaling 2,447-line kms

Highlights include

- a detailed grid @ 50 m line-spacing was flown over the **Bay Area Conductive Area** and the **Rottenstone Mine Area**
- a detailed grid @ 50 m line-spacing was flown over the recently acquired **Tremblay-Olson Area**
- a grid @ 100 m line-spacing was flown **E-SE** of the historic **Rottenstone Mine** to compliment existing soil geochemistry and gradient MAG survey results.

COMMODITIES AT A GLANCE

Foran Mining Corp announced an agreement with **SANDVIK** to supply initial underground **Battery Electric** equipment for **McIlvenna Bay**.

Highlights include

- initial equipment order includes battery electric underground drills, trucks and loaders that will be used in the mine's development and production activities
- SANDVIK will maintain all batteries through a service agreement and will support the Foran maintenance team through embedded OEM battery and equipment technicians.

Gold Lion Resources Inc has assumed cash payments, common share issuances and property expenditures required to earn a 100% interest in the **Nickel Plate Project**, located NE of Stony Rapids.

Highlights include

- the **Nickel Plate Project** comprises 21 mineral claims which were acquired by **Numco** pursuant to an option agreement entered into on March 7, 2022, with **Gem Oil Inc** and **Bartaine Investments Co Ltd**.
- the Project is adjacent to properties/claims owned by **Kobold Metals Inc (Faith in Gravity Holdings)**
- Gold Lion's **Nickel Plate Property** comprises 21 mineral claims covering 21,369 ha
- the Company is planning a summer 2022 exploration program to commence in August and has applied for an extension of time required to complete the work and file the assessment reports.

Rockridge Resources Ltd mobilizing to begin a summer drill program at the **Knife Lake High-Grade Copper VMS Project**, under option from **Eagle Plains Resources Ltd**.

Highlights include

- approximately 1,000-1,200 m drilling planned
- drilling will focus on the **Gilbert Lake Zone** as well as expansion and infill drilling at the **Knife Lake Deposit**
- new VTEM data displays up to 15 km strike length of highly conductive, near-surface anomalies.

PGE's

Fathom Nickel Inc announced it has acquired the **Tremblay-Olson Showing** claims totaling 315 ha from **Eagle Plains Resources Ltd**.

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- assays of up to 3.11% Ni, 0.34% Cu, **1.01 g/t Pd and 0.46 g/t Pt** (SMDI#0959)

COMMODITIES AT A GLANCE

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July 20, 2018: Drill hole intersects 117.7 Meter Fully Mineralized Zone including 1.95% Nickel, 0.14% Copper and 0.22% Copper over 2.7 Meters at the Gochager Lake Project.

Drillhole GL18002 completed in 2018 suggests the deposit remains open to depth.

For more information please email:

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Cook High Grade Gold Showings: Properties located approximately 8 Km N.E. of Gochager Nickel/ Copper deposit summarized in adjoining ad

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For more information please email:

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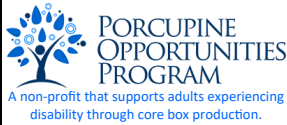
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