

December 2021

# Northern Saskatchewan Mineral Exploration Highlights

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Jonathan Dunn  
Northern Saskatchewan

***Keewatin  
Community  
Development  
Association***

(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 150 companies and individuals involved in northern Saskatchewan mining, exploration services, education, and government as well as northern First Nations, towns, and villages.

We offer a few different advertisement options, detailed below:

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### Advertisements - Half Page - \$50 + GST/ Month

Half page advertisements - ideal for individuals or companies looking to advertise property lease options, equipment sales, etc

### Business Card Ads - \$500 + GST/ Year

Business card ads - ideal for companies wanting to be included in our company directories. These companies are split into two categories: Mining companies, and Exploration Service companies. Business Card Ads are included with certain levels of sponsorship of our annual Core Days event.

If you wish to advertise with us, or receive further information, email [office@kcda.ca](mailto:office@kcda.ca) or give us a call at (306) 425-4778

## THE FRONT PAGE

### NEWS

#### Orano, Denison report successful test of new 'groundbreaking' uranium mining method

**Vladimir Basov**  
November 3, 2021

(Kitco News) - Orano Canada and Denison Mines (TSX: DML) today announced the successful completion of a five-year test mining program deploying the patented innovative Surface Access Borehole Resource Extraction ("SABRE") mining method on the McClean Lake uranium property, located in Saskatchewan, Canada.

According to a press-release, SABRE is a non-entry, surface-based mining method that uses a high-pressure water jet placed at the bottom of a drill hole to excavate a mining cavity. The cuttings from the excavation process are then air lifted to surface, separated and stockpiled.

"SABRE is viewed as an innovative mining method that could potentially allow for the economic access to relatively small high-grade orebodies in the Athabasca Basin that are either too small or too deep to be mined economically by open-pit and/or underground mining methods," Denison said.

SABRE is unique in that the mining method can be selective and scalable, as well as environmentally friendly because of its less intrusive nature and potentially smaller surface footprint when compared to conventional open pit or underground mining methods.



"Reduced water usage and power consumption also contribute to potential reductions in greenhouse gas emissions and improved sustainability. Additionally, as a non-entry mining method, radiological exposure for mine workers is minimized," the company added.

The final stage of a five-year field test was completed from May to September 2021 with four mining cavities successfully excavated to produce approximately 1,500 tonnes of high-value ore ranging in grade from 4% U<sub>3</sub>O<sub>8</sub> to 11% U<sub>3</sub>O<sub>8</sub>.

According to a statement, the program was concluded with no safety, environmental or radiological incidents and confirmed the ability to achieve key operating objectives associated with the test program – including targets for cavity diameter, rates of recovery, and mine production rates.

The majority of the ore recovered from the test mining program has now been transferred to the McClean Lake mill, and is expected to be processed for the MLJV by the end of the year.

This test represents an important milestone for the SABRE technology. Based on the success of the 2021 program, the partners said they plan to evaluate the potential use of this innovative method for future mining operations at their jointly owned McClean Lake and Midwest properties.

The McClean Lake joint venture is owned by Orano Canada (77.5% and operator) and Denison (22.5%). The Midwest joint venture is owned by Orano Canada (74.83% and operator) and Denison (25.17%).

## **SRC NEWS: Coming Soon– New Lab Location. Same Reliable Results.**

On Monday, December 6, 2021 at 8 a.m., SRC Geoanalytical Laboratories will open its doors to clients at its new location in Saskatoon: 2901 Cleveland Avenue, S7K 8A9.

**We will continue to receive samples at our current location (Bay 4, 125 Innovation Blvd) until 4:30 p.m. on December 3, 2021.** The lab will close at this time, and we will reopen at our new location on December 6 at 8 a.m. to receive your samples.

Contact us if you have any questions or concerns. Our phone number and email address will stay the same. We look forward to working with you at our new location. [View the map.](#)

Rob Millar  
Manager, SRC Geoanalytical Laboratories  
306-933-8118  
[geolab@src.sk.ca](mailto:geolab@src.sk.ca)

## **Expanded Gold Services**

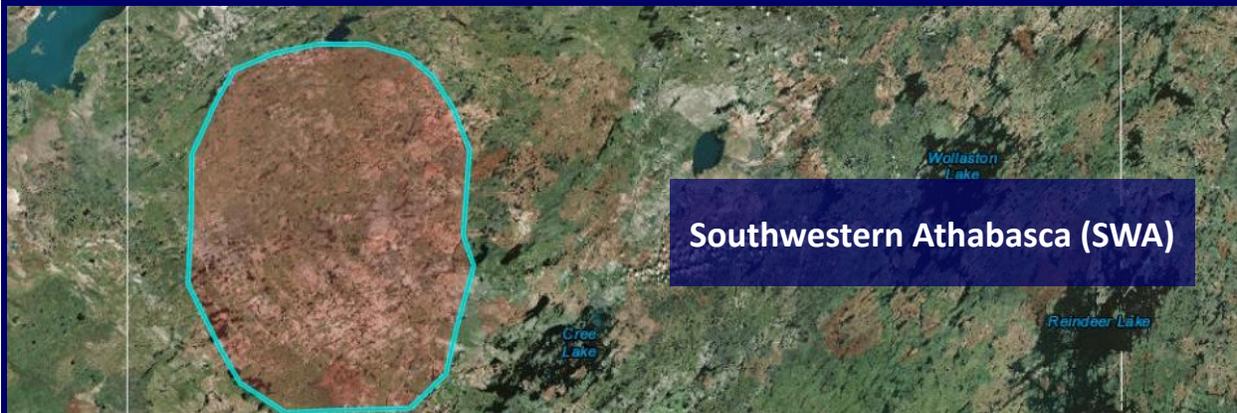
The Saskatchewan Research Council (SRC) and TSL Laboratories are pleased to announce that after several decades of collaboratively serving the gold and base metals industry, TSL's current owners are retiring and as of December 1, 2021, SRC will continue serving TSL's former clients.

What to expect if you're a former TSL client:

- SRC is in the process of renting TSL's previous space, so the location, phone number and email address will stay the same.
- Same hours, packages and pricing.
- Same friendly faces and voices you know, plus a few new ones, too!
- New financial institution – please update your banking information to SRC's provider.

If you're interested in learning more about SRC's base metal, gold and precious metals services, please [view our service schedule](#). If you have any questions, please contact SRC Geoanalytical Laboratories at 306-933-8118 or email [geolab@src.sk.ca](mailto:geolab@src.sk.ca).

Thank you for your patience as we enter this next chapter. Best wishes to Mark and Russ from TSL on their well-deserved retirement.



79 Resources has acquired the **North Preston Uranium Project**, comprising 4,100 acres contiguous to, and aligned with the East Preston Uranium Project.



Azincourt provided an update on preparations for the Winter 2022 Exploration Program on the **East Preston Uranium Project**. The project is held by Azincourt Energy (70%), **Dixie Gold Inc** (15%) and **Skyharbour Resources Ltd** (15%).

Highlights include

- Terralogic Exploration Inc contracted to facilitate and execute a planned drilling program
- drill program to comprise 6,000 m drilling in 30-35 holes
- drilling will focus on the A-G and K-Q trends
- preparation underway and contractors for drilling, camp services and roadwork have been selected
- opening of the 60 km winter access road is expected to commence by the end of November
- permits are in place
- Azincourt has been engaged in regular meetings with the **Clearwater River Dene Nation (CRDN)** and other rights holders



Fission Uranium shared a summary of its engagement approach, designed to reflect feedback that Fission receives from the rights-holders including the **Clearwater River Dene Nation (CRDN)**, related to their engagement expectations, capacity needs and preferred timelines. This can be found on the new “Engagement Page” of the Fission website.

Fission announced that the **Saskatchewan Ministry of Environment (“MOE”)** has formally accepted the recently submitted **Project Description** for the **PLS Project**. Fission has now commenced the **Environmental Assessment (“EA”)**.



Fission 3.0 announced that they work within Best Practices and makes sure to keep an open dialogue with the **Clearwater River Dene Nation (CRDN)** and all other rights-holders and stakeholders in the areas that it is active.



NEXGEN has awarded the engineering, procurement, and construction management contract for the **FEED** stage of the **Rook 1 Project** to Hatch, with work well underway. This **FEED** stage is scheduled for completion in Q3 2022 and will be undertaken concurrently with the engagement, “EA” and licensing workstreams.



Standard Uranium announced the completion of the Phase 11 Summer 2021 diamond drilling program at its **Davidson River Project**.

Highlights include

- 13 holes completed totaling 3,828 m
- several zones of elevated radioactivity were intersected across the **Saint, Warrior** and **Bronco** trends
- final assays are expected in 6-8 weeks
- multiple zones of fault gouge and fault breccia, associated with strong clay, chlorite and hydrothermal hematite were intersected along the **SE Warrior** trend in DR-21-025A
- deep-seated, strongly graphitic structural zones were intersected in all 4 drill holes on the **Bronco** trend, exhibiting 1.3 km of continuity along strike
- stacked structures exhibit evidence of brittle reactivation in shear zones and hydrothermal fluid flow through fault conduits along the **Bronco** and **Warrior** trends



92 Energy is planning an initial 6,600 m drilling program to commence in January 2022 on the **GMZ** and **Gemini** Targets.

Highlights include

- drill contractor selected
- winter road preparation to commence 1<sup>st</sup> week in December 2021
- GEM-004 returned 5.5 m @ 0.12% U3O8 including 1m @ 0.28% U3O8
- drillhole encountered 253m of hydrothermal alteration starting from the top of bedrock
- significant brittle-ductile structures throughout the drillhole (Graphitic shear zones, hematite fluid breccia, cataclasite).
- 1.8 km of highly prospective ground along strike to the North of GEM-004



ALX announced it has executed a purchase agreement with **Okapi Resources Ltd** of Perth Australia, whereby Okapi can acquire a 100% interest in 5 uranium properties and an 80<sup>th</sup> interest in a 6<sup>th</sup> uranium property.

Highlights include

**Cluff Lake Exploration Project**

- grades up to 16.9% U3O8 in basement boulder trains
- advanced project with VTEM, gravity and radon targets identified
- 3 km east of Orano's past-producing Cluff Lake Uranium Mine

**Newnham Lake Project**

- grades up to 1,953 ppm U3O8 in historic drilling
- shallow depth to unconformity of 100 m
- multiple targets identified

To acquire the **Kelic Lake, Argo, Lazy Edward Bay** and **Perch Projects**, all of which straddle the margin of the Athabasca Basin.



Appia announced that the Company has commenced the first of two VTEM surveys over the **North Wollaston** and **Loranger** uranium properties

Highlights include

- 944 line-kms of VTEM will be flown over the **North Wollaston** and **Loranger** properties @ 200 m line spacing
- airborne radiometric surveys were recently completed over both properties



Canalaska announced it has staked 3 prospective uranium properties in the Athabasca Basin totaling 74,283 ha.

Highlights include

**Chymko Project**

- 32,603 ha
- adjacent to the Virgin River Shear Zone

**Taggart Project**

- 28,328 ha
- on trend with the Patterson Corridor

**Carswell Project**

- 13,352 ha
- located in proximity to the Shea Creek and Cluff Lake uranium Deposits



Eagle Plains has completed 4 separate agreements with unrelated third parties for the sale by Eagle Plains of a 100% interest (subject to NSR's) in 4 separate claim groups located in the Athabasca Basin.

Highlights include

- Cable Bay Area**-Uranium Energy Corp
- Lazy Edward Bay Area**-ALX Resources Corp
- Pine Channel South Area**-Pegasus Resources Inc
- Bell Lake/Kernaghan Lake Area**-ISO Energy Ltd



Fission 3.0 has acquired by staking two new properties

Highlights include

-both new properties located in the geologically prospective areas near the Athabasca Basin margins with the potential to host shallow, high-grade uranium mineralization

**Grey Island**

- 10 claims totaling 12,023 ha
- located 70 km NW of the Key Lake Mill

**Flowerdew Lake**

- 4 claims totaling 5,667 ha
- located along the regional geological trend to the NE of the Eagle Point Uranium Mine



ISO announced the remaining scintillometer results from its summer drilling at the **Hurricane Zone**

Highlights include

- expansion of the mineralized footprint 31 m to the south on Section 4485E and 17 m south on Section 4460E
- discovery of a new zone of strong mineralization south of the strongly mineralized zone defined in 2020
- identification by DDH LE21-101 of an area with potential for continued growth south and east of known mineralization.

ISO announced the chemical assay results from the first 4 holes completed during the summer 2021 drilling campaign at the **Hurricane Zone**.

Highlights include

- LE21-78C1 intersected 5.2% U3O8 over 12.0m including 27.6% U3O8 over 2.0m
- LE21-80 intersected 2.3% U3O8 over 3.5m including 4.0% U3O8 over 2.0m
- LE21-82 intersected 0.9% U3O8 over 4.5m including 1.4% U3O8 over 1.0m expanding mineralization 26m to the south
- LE21-84 intersected 0.5% U3O8 over 3.0m including 1.4% U3O8 over 0.5m expanding mineralization 28m to the north



Forum announced the final set of assay results from **Rio Tinto Exploration Canada's** summer drill program on the **Rafuse Target** on its **Janice Lake copper/silver project**.

Highlights include

- Rio Tinto** does not plan an exploration program for the 2022 budget year
- to date **RTEC** has drilled 39 holes totaling 10,033 m on 4 targets-**Jansem, Janice, Kaz and Rafuse**
- JanL-0037 returned 0.15% Cu, 1.63 g/t Ag and 0.41% Pb over 42.25m including 0.19% Cu, 1.94 g/t Ag and 0.51% Pb over 30.9 m
- extensive geophysical, geochemical and geological surveys have been conducted over the entire 52 km extent
- new areas identified for copper mineralization
- prospecting has identified boulders as high as 3.8% Cu and 3.7 g/t Ag, 25-30 km to the SW of the Janice and Jansem targets

Forum provided a review of its exploration plans on its uranium, copper, nickel and palladium properties

Highlights include

**Uranium Properties**

- submitted permit applications for drilling on 5 of its 9 drill ready uranium properties

**Wollaston Project**

- 3,000 m drill program planned to commence mid-January 2022

**Clearwater, Costigan and Highrock Projects**

- permitting and preliminary planning underway

**Northwest Athabasca JV**

- mobilization and camp equipment in the New Year, drill is currently on site

**Fir Island Project**

- Orano is reviewing Forum's contract tenders for a resistivity survey to be conducted in March 2022

**Energy Metal Projects**

**Janice Lake Copper/Silver Project**

- Forum continues to hold 100% interest

**Love Lake Nickel/Copper/PGM Project**

- completed 11 drill holes totaling 2,844m on three targets
- results expected in late December-early January



Okapi Resources (ASX) to acquire portfolio of **6 Athabasca Basin uranium properties** from **ALX Resources Corp**

Highlights include

**Cluff Lake Exploration Project**

- grades up to 16.9% U3O8 in basement boulder trains
- advanced project with VTEM, gravity and radon targets identified
- 3 km east of Orano's past-producing Cluff Lake Uranium Mine

**Newnham Lake Project**

- grades up to 1,953 ppm U3O8 in historic drilling
- shallow depth to unconformity of 100 m
- multiple targets identified

Also to acquire the **Kelic Lake, Argo, Lazy Edward Bay and Perch Projects**, all of which straddle the margin of the Athabasca Basin.



Purepoint announced that its fall drill program at its **Henday Lake Project** has been extended to December 2021.

Highlights include

- drill program now expected to total 5 drill holes to an average depth of 450-500 m
- targeted EM conductors lie within an E-W trending MAG Low.

Purepoint released its exploration schedule for 2022 focusing on its uranium properties in the Athabasca Basin

Highlights include

**Hook Lake JV focusing on the Carter Corridor**

- 25 km band of graphitic conductors running parallel to the Patterson Trend

**Red Willow Project**

- winter drilling planned

**Turnor Lake Project**

- summer/fall drilling planned

**Tabbarnor Block and Russel South Projects**

- geophysical programs planned



Searchlight has completed additional staking at its **Kulyk Lake Rare Earth and Uranium Projects**.

Highlights include

- expanded **Kulyk Lake** claims from 105.4 sq km to 317.1 sq km
- this block covers 38 rare earths, uranium, and thorium showings



Skyharbour announced the second set of geochemical assay results and completion of its 2021 Summer/Fall diamond drilling at its **Moore Uranium Project**.

Highlights include

- summer/fall drill program comprised 19 holes totaling 6,598 m
- ML 21-13 confirmed additional high-grade basement-hosted uranium mineralization at the **Maverick East Zone**, returning 0.994% U<sub>3</sub>O<sub>8</sub> over 5.7 m, including 1.51% U<sub>3</sub>O<sub>8</sub> over 2.5 m
- final assay results pending
- plans are to commence a Winter diamond drilling program early in 2022

Skyharbour partner company **Medaro Mining Corp** has announced plans for an upcoming exploration program at the **Yurchison Project**.

Highlights include

**Yurchison Sulphide Mineralization**

- currently underway is a reassessment of historical till sampling geochemistry and relogging of historical drill core
- planning for winter and summer programs is underway, to include geophysical surveys, geological mapping, geochemical sampling and prospecting
- a systematic diamond drilling program is being planned

**Yurchison Uranium Project**

- historical prospecting near old trenches returned 0.09-0.30% U<sub>3</sub>O<sub>8</sub> and molybdenum ranging from 2500-6400 ppm Mo in both outcrop and float
- property has strong potential for both basement hosted uranium mineralization as well as copper, zinc and molybdenum.
- on-trend with the Janice Lake copper/silver project to the SW currently being explored by Rio Tinto Exploration Canada Inc.



Trench Metals has received the lab results from its recent exploration program on its **Gorilla Lake Uranium Project**. Trench has engaged Exploration Facilitation Unlimited Inc to add the results to its existing project database to update the modeling.



UEX announced it has filed a NI43-101 technical report on the **Horseshoe-Raven Project**.

Highlights include

- the NI43-101 report replaces the 2011 PEA with an updated estimate of mineral resources
- indicated mineral resource estimate for the **Horseshoe Deposit** 4,982,500 t @ 0.215% U3O8 for 23,594,000 pounds U3O8
- indicated mineral resource estimate for the **Raven Deposit** 5,370,000 t @ 0.117% U3O8 for 13,832,400 pounds U3O8



Valor announced funding and plans to accelerate exploration activities on their two main properties in the Athabasca Basin.

Highlights include

**Hook Lake Project**

- drilling to commence in January 2022
- camp construction to commence in December 2021
- additional airborne and ground geophysics planned
- work currently underway to finalize drill target selection
- drill targets at Hook Lake highlighted by the S Zone target where recent surface sampling by Valor returned up to 59.2% U3O8 as well as high-grade rare earth/silver/lead results.
- diamond drilling program comprising 10-15 holes of 200-250 m depth is proposed

**Cluff Lake Project**

- further compilation and interpretation of historical geophysical and geological data
- followed by additional airborne and ground geophysical surveys
- detailed mapping & sampling
- leading to drilling later in 2022

**Surprise Creek, Lorado and Smitty Mines, Hidden Bay and Pendleton Lake Projects**

- compilation of historical data in 2022
- rank projects in priority for ground-based programs
- aim to progress top project to drill-ready by the end of 2022



**MAS  
Gold  
Corp**

Mas Gold announced the results from the summer drill program at the **North Lake Gold Deposit**  
Highlights include

- total of 3,490m drilling in 11 holes
- NL21-068 intersected 103.0m of continuous gold mineralization grading 1.38 g/t Au
- NL21-064, the most southerly step-out hole, intersected 17.0m @ 1.26 g/t Au and 16.5m @ 1.06 g/t Au
- NL21-070 defined a 260m downdip extension of the mineralized horizon

**Planned Winter 2022 drill program at North Lake**

- 5,500m planned drilling
- objective to extend mineralization to south & west of NL21-064
- objective to extend mineralization to NE
- infill drilling @ 50m X 25m spacing
- twin up 4 holes to QAQC protocols to upgrade the resource



SKRR has entered into an agreement with **Edge Geological Consulting Inc** to acquire a 100% interest in the **Watts Lake Zinc Property** located 65 km NE of La Ronge.

Highlights include

- 24 mineral claims totaling 13,708 ha
- covers multiple, parallel basement conductive corridors including the 14 km long **Borys Lake Corridor** which hosts the historic **Borys Lake Pb/Zn Deposit**.



Taiga has received analytical results from **SGO Mining Inc**, a wholly owned subsidiary of **SSR Mining Inc**, from drilling and surface prospecting carried out in mid-2021 on the **Fisher Property**. Taiga and **Aben Resources Ltd** have agreed to terminate the option agreement on the **Chico Property**. Moving forward, Taiga will control 100% interest in the **Chico Property**.

Highlights include

- 2021 Spring/Summer drill program consisted of a total of 2,836 m of drilling in 7 holes: **MAC** (2), **MAC North Hanging wall** (2) and **Jasmine** (3).
- widespread high-grade mineralization confirmed by drilling at the **MAC North Zone** over a down-plunge area of 180 m X 650 m, open in all directions
- two holes completed at **MAC North** intersected significant gold mineralization (>1 g/t Au)
- surface sampling confirmed significant gold mineralization in outcrop at the **George's Lake East**, **Gold Island** and **Bone North** areas, with samples ranging from tr-55.62 g/t Au

## Other Regions (O)



Appia announced that approximately 7600 m of drilling is in progress to test the near-surface and down-plunge extents of new and existing rare earth targets at Alces Lake. Total metreage could exceed 10,000 m

Analysis of the summer exploration and drilling program will follow and may lead to the preparation of an NI 43-101 report, expected near the end of 2021 or early 2022.

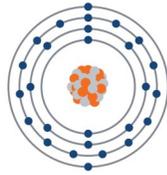
Appia announced partial assay results from its 2021 drilling program at **Alces Lake REE Project**.

### Highlights include

- 21-WRC-015 at **Wilson North** intersected 9.38m @ 17.53 wt% TREO including 2.14m @ 32.17 wt% TREO with assays up to 37.92 wt% TREO
- 3 holes at **Richard** have yielded 3.33m @ 7.98 wt% TREO including 1.64m @ 15.26 wt% TREO and 3.49m @ 3.31 wt% TREO and 4.30m @ 3.62 wt% TREO
- all 4 holes assayed high-grade gallium ranging from 0.01 wt% to 0.10 wt% Ga<sub>2</sub>O<sub>3</sub>
- at least 8 holes (1,035m) remaining in 2021



Azincourt has entered into an option agreement with **ValOre Metals Corp**, to acquire up to a 75% interest in the 13,711 ha **Hatchet Lake Uranium Project**, situated along the NE extension of the Western Wollaston Domain, 39 km along-trend from the Roughrider and Midwest Uranium Deposits and within 30 km of Cameco's Eagle Point Uranium Mine.



## KoBold Metals

Kobold Metals completed a helicopter borne TDEM and Magnetic survey over their extensive mineral tenure north of Stony Rapids.

By applying Kobold's proprietary technology Kobold believes they can speed up the discovery process for battery metals.

After each day's flight, the data collected is sent to Kobold's team in Berkeley California. Data scientists use machine learning to run what is collected each day past thousands of historical data points from mining discoveries all around the world. The combination of teams in the air, on the ground and in Berkeley California, they believe, are the key to making it work.

The group has some considerable backing. Bill Gates and Jeff Bezos have invested in the company, and BHP Group, one of the largest mining companies in the World, signed a deal with Kobold to explore for battery metals in Australia, and elsewhere around the World. *(Excerpts from NBC NEWS correspondents Anne Thompson and David Douglas; Nov 12, 2021)*



## TRENCH METALS CORP.

Trench have initiated a preliminary work program on its **Higginson Lake Uranium Project** located 52 km NE of Stony Rapids.

Highlights include

- uranium mineralization thought to be controlled by the Black Lake Fault
- currently reviewing airborne magnetic & radiometric surveying proposals

## COMMODITIES AT A GLANCE

### URANIUM

**79 Resources Ltd** has acquired the **North Preston Uranium Project**, comprising 4,100 acres contiguous to, and aligned with the East Preston Uranium Project.

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- drillhole encountered **253m of hydrothermal alteration** starting from the top of bedrock
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- Bell Lake/Kernaghan Lake Area**-ISO Energy Ltd

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-located 70 km NW of the Key Lake Mill

**Flowerdew Lake**

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-located along the regional geological trend to the NE of the Eagle Point Uranium Mine

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Highlights include

**Uranium Properties**

-submitted permit applications for drilling on 5 of its 9 drill ready uranium properties

**Wollaston Project**

-3,000 m drill program planned to commence mid-January 2022

**Clearwater, Costigan and Highrock Projects**

-permitting and preliminary planning underway

**Northwest Athabasca JV**

-mobilization and camp equipment in the New Year, drill is currently on site

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- LE21-78C1 intersected 5.2% U3O8 over 12.0m including 27.6% U3O8 over 2.0m
- LE21-80 intersected 2.3% U3O8 over 3.5m including 4.0% U3O8 over 2.0m
- LE21-82 intersected 0.9% U3O8 over 4.5m including 1.4% U3O8 over 1.0m expanding mineralization 26m to the south
- LE21-84 intersected 0.5% U3O8 over 3.0m including 1.4% U3O8 over 0.5m expanding mineralization 28m to the north

**NEXGEN Energy Ltd** has awarded the engineering, procurement, and construction management contract for the **FEED** stage of the **Rook 1 Project** to Hatch, with work well underway. This **FEED** stage is scheduled for completion in Q3 2022 and will be undertaken concurrently with the engagement, "EA" and licensing workstreams.

**Okapi Resources Ltd** (ASX) to acquire portfolio of **6 Athabasca Basin uranium properties** from **ALX Resources Corp**

Highlights include

**Cluff Lake Exploration Project**

- grades up to 16.9% U3O8 in basement boulder trains
- advanced project with VTEM, gravity and radon targets identified
- 3 km east of Orano's past-producing Cluff Lake Uranium Mine

**Newnham Lake Project**

- grades up to 1,953 ppm U3O8 in historic drilling
- shallow depth to unconformity of 100 m
- multiple targets identified

Also to acquire the **Kelic Lake, Argo, Lazy Edward Bay** and **Perch Projects**, all of which straddle the margin of the Athabasca Basin.

**Purepoint Uranium Group Inc** announced that its fall drill program at its **Henday Lake Project** has been extended to December 2021.

Highlights include

- drill program now expected to total 5 drill holes to an average depth of 450-500 m
- targeted EM conductors lie within an E-W trending MAG Low.

**Purepoint Uranium Group Inc** released its exploration schedule for 2022 focusing on its uranium properties in the Athabasca Basin

Highlights include

**Hook Lake JV focusing on the Carter Corridor**

- 25 km band of graphitic conductors running parallel to the Patterson Trend

**Red Willow Project**

- winter drilling planned

**Turnor Lake Project**

- summer/fall drilling planned

**Tabbarnor Block and Russel South Projects**

- geophysical programs planned

## COMMODITIES AT A GLANCE

**Searchlight Resources Inc** has completed additional staking at its **Kulyk Lake Rare Earth and Uranium Projects**.

Highlights include

- expanded **Kulyk Lake** claims from 105.4 sq km to 317.1 sq km
- this block covers 38 rare earths, uranium, and thorium showings

**Skyharbour Resources Ltd** announced the second set of geochemical assay results and completion of its 2021 Summer/Fall diamond drilling at its **Moore Uranium Project**.

Highlights include

- summer/fall drill program comprised 19 holes totaling 6,598 m
- ML 21-13 confirmed additional high-grade basement-hosted uranium mineralization at the **Maverick East Zone**, returning 0.994% U<sub>3</sub>O<sub>8</sub> over 5.7 m, including 1.51% U<sub>3</sub>O<sub>8</sub> over 2.5 m
- final assay results pending
- plans are to commence a Winter diamond drilling program early in 2022

**Skyharbour Resources Ltd** partner company **Medaro Mining Corp** has announced plans for an upcoming exploration program at the **Yurchison Project**.

Highlights include

### **Yurchison Sulphide Mineralization**

- currently underway is a reassessment of historical till sampling geochemistry and relogging of historical drill core
- planning for winter and summer programs is underway, to include geophysical surveys, geological mapping, geochemical sampling and prospecting
- a systematic diamond drilling program is being planned

### **Yurchison Uranium Project**

- historical prospecting near old trenches returned 0.09-0.30% U<sub>3</sub>O<sub>8</sub> and molybdenum ranging from 2500-6400 ppm Mo in both outcrop and float
- property has strong potential for both basement hosted uranium mineralization as well as copper, zinc and molybdenum.
- on-trend with the Janice Lake copper/silver project to the SW currently being explored by Rio Tinto Exploration Canada Inc.

**Standard Uranium Ltd** announced the completion of the Phase 11 Summer 2021 diamond drilling program at its **Davidson River Project**.

Highlights include

- 13 holes completed totaling 3,828 m
- several zones of elevated radioactivity were intersected across the **Saint, Warrior and Bronco** trends
- final assays are expected in 6-8 weeks
- multiple zones of fault gouge and fault breccia, associated with strong clay, chlorite and hydrothermal hematite were intersected along the **SE Warrior** trend in DR-21-025A
- deep-seated, strongly graphitic structural zones were intersected in all 4 drill holes on the **Bronco** trend, exhibiting 1.3 km of continuity along strike
- stacked structures exhibit evidence of brittle reactivation in shear zones and hydrothermal fluid flow through fault conduits along the **Bronco** and **Warrior** trends

## COMMODITIES AT A GLANCE

**Trench Metals Corp** have initiated a preliminary work program on its **Higginson Lake Uranium Project** located 52 km NE of Stony Rapids.

Highlights include

- uranium mineralization thought to be controlled by the Black Lake Fault
- currently reviewing airborne magnetic & radiometric surveying proposals

**Trench Metals Corp** has received the lab results from its recent exploration program on its **Gorilla Lake Uranium Project**. Trench has engaged Exploration Facilitation Unlimited Inc to add the results to its existing project database to update the modeling.

**UEX Corp** announced it has filed a NI43-101 technical report on the **Horseshoe-Raven Project**.

Highlights include

- the NI43-101 report replaces the 2011 PEA with an updated estimate of mineral resources
- indicated mineral resource estimate for the **Horseshoe Deposit** 4,982,500 t @ 0.215% U3O8 for 23,594,000 pounds U3O8
- indicated mineral resource estimate for the **Raven Deposit** 5,370,000 t @ 0.117% U3O8 for 13,832,400 pounds U3O8

**Valor Resources Ltd** announced funding and plans to accelerate exploration activities on their two main properties in the Athabasca Basin.

Highlights include

**Hook Lake Project**

- drilling to commence in January 2022
- camp construction to commence in December 2021
- additional airborne and ground geophysics planned
- work currently underway to finalize drill target selection
- drill targets at **Hook Lake** highlighted by the **S Zone** target where recent surface sampling by Valor returned up to 59.2% U3O8 as well as high-grade rare earth/silver/lead results.
- diamond drilling program comprising 10-15 holes of 200-250 m depth is proposed

**Cluff Lake Project**

- further compilation and interpretation of historical geophysical and geological data
- followed by additional airborne and ground geophysical surveys
- detailed mapping & sampling
- leading to drilling later in 2022

**Surprise Creek, Lorado and Smitty Mines, Hidden Bay and Pendleton Lake Projects**

- compilation of historical data in 2022
- rank projects in priority for ground-based programs
- aim to progress top project to drill-ready by the end of 2022

## COMMODITIES AT A GLANCE

### REE's (Rare Earth Elements)

\*TREO=total rare earth oxides=La<sub>2</sub>O<sub>3</sub>, CeO<sub>2</sub>, Pr<sub>6</sub>O<sub>11</sub>, Nd<sub>2</sub>O<sub>3</sub>, Sm<sub>2</sub>O<sub>3</sub>, Eu<sub>2</sub>O<sub>3</sub>, Gd<sub>2</sub>O<sub>3</sub>, Tb<sub>4</sub>O<sub>7</sub>, Dy<sub>2</sub>O<sub>3</sub>, Ho<sub>2</sub>O<sub>3</sub>, Er<sub>2</sub>O<sub>3</sub>, Yb<sub>2</sub>O<sub>3</sub>, Y<sub>2</sub>O<sub>3</sub>

**Appia Rare Earths & Uranium Corp** announced that approximately 7600 m of drilling is in progress to test the near-surface and down-plunge extents of new and existing rare earth targets at Alces Lake. Total metreage could exceed 10,000 m

Analysis of the summer exploration and drilling program will follow and may lead to the preparation of an NI 43-101 report, expected near the end of 2021 or early 2022.

**Appia Rare Earths & Uranium Corp** announced partial assay results from its 2021 drilling program at **Alces Lake REE Project**.

#### Highlights include

- 21-WRC-015 at **Wilson North** intersected 9.38m @ 17.53 wt% TREO including 2.14m @ 32.17 wt% TREO with assays up to 37.92 wt% TREO
- 3 holes at **Richard** have yielded 3.33m @ 7.98 wt% TREO including 1.64m @ 15.26 wt% TREO and 3.49m @ 3.31 wt% TREO and 4.30m @ 3.62 wt% TREO
- all 4 holes assayed high-grade gallium ranging from 0.01 wt% to 0.10 wt% Ga<sub>2</sub>O<sub>3</sub>
- at least 8 holes (1,035m) remaining in 2021

**Searchlight Resources Inc** has completed additional staking at its **Kulyk Lake Rare Earth and Uranium Projects**.

#### Highlights include

- expanded **Kulyk Lake** claims from 105.4 sq km to 317.1 sq km
- this block covers 38 rare earths, uranium, and thorium showings

## BASE METALS

**Forum Energy Metals Corp** announced the final set of assay results from **Rio Tinto Exploration Canada's** summer drill program on the **Rafuse Target** on its **Janice Lake copper/silver project**.

#### Highlights include

- Rio Tinto** does not plan an exploration program for the 2022 budget year
- to date **RTEC** has drilled 39 holes totaling 10,033 m on 4 targets-**Jansem, Janice, Kaz and Rafuse**
- JanL-0037 returned 0.15% Cu, 1.63 g/t Ag and 0.41% Pb over 42.25m including 0.19% Cu, 1.94 g/t Ag and 0.51% Pb over 30.9 m
- extensive geophysical, geochemical and geological surveys have been conducted over the entire 52 km extent
- new areas identified for copper mineralization
- prospecting has identified boulders as high as 3.8% Cu and 3.7 g/t Ag, 25-30 km to the SW of the Janice and Jansem targets

## COMMODITIES AT A GLANCE

**Forum Energy Metals Corp** provided a review of its exploration plans on its uranium, copper, nickel and palladium properties

Highlights include

### **Energy Metal Projects**

#### **Janice Lake Copper/Silver Project**

-Forum continues to hold 100% interest

#### **Love Lake Nickel/Copper/PGM Project**

-completed 11 drill holes totaling 2,844m on three targets

-results expected in late December-early January

**Kobold Metals** completed a helicopter borne TDEM and Magnetic survey over their extensive mineral tenure north of Stony Rapids.

By applying Kobold's proprietary technology Kobold believes they can speed up the discovery process for battery metals.

After each day's flight, the data collected is sent to Kobold's team in Berkeley California. Data scientists use machine learning to run what is collected each day past thousands of historical data points from mining discoveries all around the world. The combination of teams in the air, on the ground and in Berkeley California, they believe, are the key to making it work.

The group has some considerable backing. Bill Gates and Jeff Bezos have invested in the company, and BHP Group, one of the largest mining companies in the World, signed a deal with Kobold to explore for battery metals in Australia, and elsewhere around the World. (*Excerpts from NBC NEWS correspondents Anne Thompson and David Douglas; Nov 12, 2021*)

**SKRR Exploration Inc** has entered into an agreement with **Edge Geological Consulting Inc** to acquire a 100% interest in the **Watts Lake Zinc Property** located 65 km NE of La Ronge.

Highlights include

-24 mineral claims totaling 13,708 ha

-covers multiple, parallel basement conductive corridors including the 14 km long **Borys Lake Corridor** which hosts the historic **Borys Lake Pb/Zn Deposit**.

**Skyharbour Resources Ltd** partner company **Medaro Mining Corp** has announced plans for an upcoming exploration program at the **Yurchison Project**.

Highlights include

#### **Yurchison Sulphide Mineralization**

-currently underway is a reassessment of historical till sampling geochemistry and relogging of historical drill core

-planning for winter and summer programs is underway, to include geophysical surveys, geological mapping, geochemical sampling and prospecting

-a systematic diamond drilling program is being planned

#### **Yurchison Uranium Project**

-historical prospecting near old trenches returned 0.09-0.30% U<sub>3</sub>O<sub>8</sub> and molybdenum ranging from 2500-6400 ppm Mo in both outcrop and float

-property has strong potential for both basement hosted uranium mineralization as well as copper, zinc and molybdenum.

-on-trend with the Janice Lake copper/silver project to the SW currently being explored by Rio Tinto Exploration Canada Inc.

## COMMODITIES AT A GLANCE

### PGE's

\*PGE refers to Pd+Pt plus rhodium, osmium, ruthenium and iridium

**Forum Energy Metals Corp** provided a review of its exploration plans on its uranium, copper, nickel and palladium properties

Highlights include

#### **Energy Metal Projects**

##### **Love Lake Nickel/Copper/PGM Project**

- completed 11 drill holes totaling 2,844m on three targets
- results expected in late December-early January

### SILVER

Forum announced the final set of assay results from **Rio Tinto Exploration Canada's** summer drill program on the **Rafuse Target** on its **Janice Lake copper/silver project**.

Highlights include

- Rio Tinto** does not plan an exploration program for the 2022 budget year
- to date **RTEC** has drilled 39 holes totaling 10,033 m on 4 targets-**Jansem, Janice, Kaz and Rafuse**
- JanL-0037 returned 0.15% Cu, **1.63 g/t Ag** and 0.41% Pb over **42.25m** including 0.19% Cu, **1.94 g/t Ag** and 0.51% Pb over **30.9 m**
- extensive geophysical, geochemical and geological surveys have been conducted over the entire 52 km extent
- new areas identified for copper mineralization
- prospecting has identified boulders as high as 3.8% Cu and 3.7 g/t Ag, 25-30 km to the SW of the Janice and Jansem targets

### GOLD

**Mas Gold Corp** announced the results from the summer drill program at the **North Lake Gold Deposit**

Highlights include

- total of 3,490m drilling in 11 holes
- NL21-068 intersected 103.0m of continuous gold mineralization grading 1.38 g/t Au
- NL21-064, the most southerly step-out hole, intersected 17.0m @ 1.26 g/t Au and 16.5m @ 1.06 g/t Au
- NL21-070 defined a 260m downdip extension of the mineralized horizon

#### **Planned Winter 2022 drill program at North Lake**

- 5,500m planned drilling
- objective to extend mineralization to south & west of NL21-064
- objective to extend mineralization to NE
- infill drilling @ 50m X 25m spacing
- twin up 4 holes to QAQC protocols to upgrade the resource

## COMMODITIES AT A GLANCE

**Taiga Gold Corp** has received analytical results from **SGO Mining Inc**, a wholly owned subsidiary of **SSR Mining Inc**, from drilling and surface prospecting carried out in mid-2021 on the **Fisher Property**.

Taiga and **Aben Resources Ltd** have agreed to terminate the option agreement on the **Chico Property**. Moving forward, Taiga will control 100% interest in the **Chico Property**.

### Highlights include

-2021 Spring/Summer drill program consisted of a total of 2,836 m of drilling in 7 holes: **MAC (2)**, **MAC North Hanging wall (2)** and **Jasmine (3)**.

-widespread high-grade mineralization confirmed by drilling at the **MAC North Zone** over a down-plunge area of 180 m X 650 m, open in all directions

-two holes completed at **MAC North** intersected significant gold mineralization (>1 g/t Au)

-surface sampling confirmed significant gold mineralization in outcrop at the **George's Lake East**, **Gold Island** and **Bone North** areas, with samples ranging from tr-55.62 g/t Au

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February 7<sup>th</sup> - 9<sup>th</sup>, 2022

Keewatin Community Development Association & Northlands College are pleased to welcome you to attend this year's events starting with the Icebreaker @ Kosta's on February 7<sup>th</sup>, followed by presentations and core displays on the 8<sup>th</sup> & 9<sup>th</sup> of February @ Northlands College in Air Ronge and the Legion in La Ronge, and ending on the afternoon of the 9<sup>th</sup> with the Northern Fish Fry by Cravings!

Details and Agenda on the presentations will be provided at a later date, although we welcome queries from companies wishing to advertise through sponsorship and/or interested in giving presentations or providing core for display from their properties.

We are asking for sponsors for the "Ice Breaker" on the 7<sup>th</sup>, the "Social" on the 8<sup>th</sup>, and the "Northern Fish Fry" on the 9<sup>th</sup>. As well, advertising sponsorship can be had as "Friends of Core Days" for \$250, "Bronze" \$1,000, "Silver" \$1500 and "Gold" \$2000. A one-year free business card Ad will be placed in the monthly Highlights for sponsorship of \$1,000 and up.

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*Norseman*



*Kimberlite drill core, note inclusions and kelyphite reaction rim*



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Learn more about this incentive and how to apply at: [saskatchewan.ca/mineral-exploration-incentive](http://saskatchewan.ca/mineral-exploration-incentive)

The deadline for TMEI applications for 2020-21 is December 31, 2021. Applications can be submitted to the Government of Saskatchewan.



### **Saskatchewan: Gochager Lake Nickel, Copper, Cobalt Deposit available for option:**

The Gochager Lake Nickel-Copper-Cobalt project has reported grades of up to **3.92% nickel, 0.7% copper and 2.86% cobalt** as reported by the Saskatchewan government (Mineral deposit index No. 0880). Historical resource estimates (non-National Instrument 43-101 compliant) were generated in 1968 and 1990. The 1968 historic resource for the Gochager Lake deposit calculated 4.3 million tons grading 0.30% Ni and 0.08% Cu. J.S. Steel, reported in 1990, that vertical and longitudinal sections were constructed from the existing data and a historic resource was defined containing 1.77 million tonnes at 0.735% nickel-equivalent.

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:**

**Chris Knudsen**

[C.K.miningproperties@gmail.com](mailto:C.K.miningproperties@gmail.com)

### **252 g/t Gold Sampled in 2020 By Independent Company**

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Discovered in 1987: **A 1-metre channel sample returned an assay of 103.6 gpt Gold and 7.7 gpt silver** from the Cook Gold showing. The showing is hosted by a folded vein complex traced over a strike length of 18 meters. In addition to **native gold**, other minerals present in the veins or the altered wall rock are pyrite, chalcopyrite, bornite, malachite, **native copper**, pyrrhotite, galena, sphalerite, arsenopyrite and specular hematite, the Cook Gold showing remains to be drilled.

**For more information please email:**

**Chris Knudsen**

[C.K.miningproperties@gmail.com](mailto:C.K.miningproperties@gmail.com)

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## Valor Resources Limited

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