

June 2021

# Northern Saskatchewan Mineral Exploration Highlights

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## 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.

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## THE FRONT PAGE FEATURE ON NET-ZERO, CARBON-NEUTRAL & CLEAN-ENERGY

### RAGGED CHUTES HYDRO-PNEUMATIC PLANT CLEAN, SUSTAINABLE ENERGY, CARBON-NEUTRAL BEFORE ITS TIME

Editorial by: Gary Clayton Dunn, references include Gerry Gooderham, Temagami Talk (fb)

Growing up in the silver mining camp of Cobalt Ontario, I used to walk the miles of 24-inch steel pipe that ran from the Ragged Chutes Hydro-Pneumatic Plant on the Montreal River to all the producing silver mines. Then a few years later, while my brother Greg, worked a short stint as an underground silver miner, I visited underground, and was amazed at how everything in the mine operated on compressed air including the hoist, the tram (which would pull up to a compressed air header to replenish its tanks), the mucking machines, the slushers, the drills, the fans and even the lights. While attending the Haileybury School of Mines in the early 70's, we also did field trips into the mines. Initially in the silver mining camp, coal was used to power air compressors and generators for electricity. In these days, coal was an expensive source of power. Plans to supply hydro power began as early as 1906. A lease was acquired to generate hydro power at Hound Chutes on the Montreal River, 6 miles from Cobalt. The Hound Chute Generating Station opened in 1910.

**In 1910 a plant unique to the world was also opened on the Montreal River, downstream from Hound Chute. The plant had no moving parts and used falling water to produce compressed air to operate the many drills in the mines in Cobalt.**

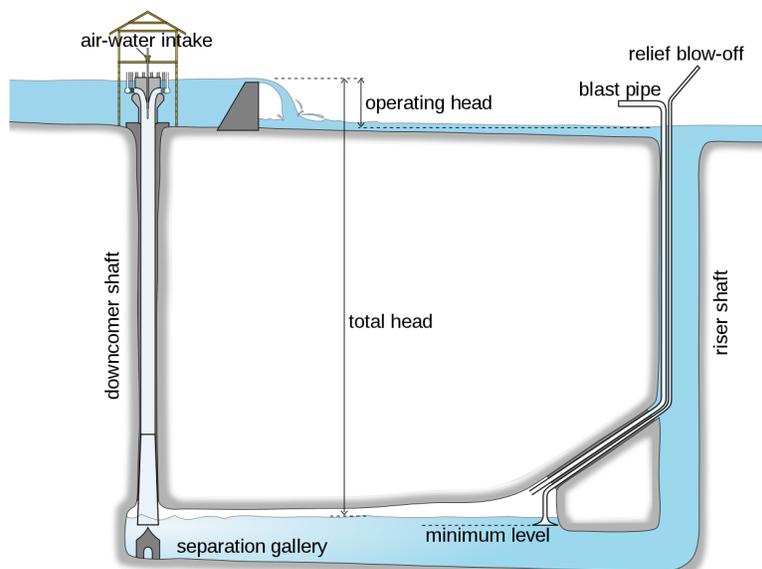


Figure 1. Taylor-Trompe Sketch

A dam was built to direct the water down a shaft sunk in solid rock. The walls of the tunnel were carefully blasted out and cement was used to make them as smooth as possible. The plant was designed by Charles Taylor, an engineer and businessman born in New Brunswick. In accordance with Taylor's instructions, a shaft was sunk to a depth of 351 feet and 9 ½ feet in diameter. Intake header pipes at the top of the shaft increased the air content in the water as it entered the shaft. At the bottom of the shaft there was a wide chamber reducing the pressure, and the falling water struck a concrete cone sheathed in steel, which separated the air bubbles from the falling water. The water then entered a 1021-foot-long horizontal tunnel where compressed air collected in an air space along the roof of the tunnel. Partway along, there was a higher area in the roof where the compressed air entered a 24-inch diameter pipe which carried the air out and distributed it to the mines at 125 psi. A second pipe provided an exit for compressed air when the pressure became too great, venting a geyser in the river up to 200 feet high, especially on Sundays when the mines were not operating.

The plant ran from 1910 until 1976 at which time experiments were conducted to 1986, the last day the Ragged Chutes Plant was in operation.

## NUCLEAR: CLEAN-ENERGY

Nuclear Energy is the second largest source of **low-carbon electricity** in the world behind hydro power.

- 1) Nuclear generates power through fission, which is a process of splitting uranium atoms to produce energy. The heat released by fission is used to create steam that spins a turbine to generate electricity without the harmful byproducts emitted by fossil fuels.
- 2) Despite producing massive amounts of carbon-free power, nuclear energy produces more electricity on less land than any other clean-air source. A typical 1,000-megawatt nuclear facility in the U.S. needs a little more than 1 sq mile to operate. NEI says wind farms require 360 times more land area to produce the same amount of electricity and solar photovoltaic plants require 75 times more space. You would need 3 million solar panels to produce the same amount of power as a typical commercial reactor or more than 430 wind turbines.
- 3) Nuclear fuel is about 1 million times greater in density than other traditional energy sources. The amount of used nuclear fuel is not great and that waste can be reprocessed and recycled. Some advanced reactor designs being developed could operate on used fuel. A 1-inch-tall uranium pellet is equal to 17,000 cubic feet of natural gas or 120 gallons of oil or 1 ton of coal. (*U.S. Dept of Energy, Office of Nuclear Energy, March 31, 2021*)

## ACHIEVING NET-ZERO EMISSIONS FOR POWER IN SASKATCHEWAN

As climate change creates ever greater pressure to reduce carbon emissions, nuclear power is enjoying support from the highest levels of government. “We have not seen a model where we can get to **net-zero emissions** by 2050 without nuclear” said Natural Resources Minister Seamus O’Regan in a presentation to the Canadian Nuclear Association.

Canada now gets about 15% of its electricity from its reactors; the grids of Ontario and New Brunswick are 60% nuclear. Eschewing spinoff nuclear industries in Saskatchewan has come at a cost. An analysis of the Warman decision released by the Saskatoon & District Chamber of Commerce in 2004 identified hundreds of millions in capital expenditures and wages, all of which now generate taxes in the province of Ontario.

Saskatchewan’s grid currently has about 4,500MW of generating capacity. **80%** of this is **coal** and **natural gas**, with the balance made up mostly with hydroelectricity and a little wind. An agreement with the federal government commits to phasing out all coal generation by 2030.

3 or 4 traditional 1,000MW nuclear reactors could meet most of the province’s **low-carbon** needs, and smaller units (**SMR’s**) could help to maintain steadiness of the electricity supply in a Saskatchewan-sized grid. (*excerpt; Industry West, Michael Robin*).

## GLOBAL FIRST POWER IS ONE STEP CLOSER TO DEVELOPING CANADA’S FIRST SMALL MODULAR REACTOR (SMR)

The Canadian Nuclear Safety Commission (**CNSC**) allowed the project to move to a formal phase in the process of receiving a “license to prepare site”.

**Global First Power’s** 15-megawatt thermal MMR plant will be developed at Chalk River Laboratories, a site owned by Atomic Energy of Canada Ltd and managed by Canadian Nuclear Laboratories.

The system includes a nuclear plant, which would contain an MMR high-temperature gas-cooled reactor based on **USNC’s Fully Ceramic Microencapsulated** fuel technology, and which would provide process heat to an adjacent plant, via a molten salt heat exchange system. The firm expects first power in 2026. (*Mining.Com, Staff Writer, May 25, 2021*).

## SHIFTING TO A LOW-CARBON WORLD (MINING COMPANIES)

Mining companies need to invest nearly \$1.7 trillion in the next 15 years to help supply enough copper, cobalt, nickel and other metals needed for the shift to a **low-carbon** world, according to consultancy Wood Mackenzie.

The United States, Britain, Japan, Canada and others raised their targets on cutting carbon emissions to halt global warming at a summit in April hosted by US President Joe Biden. Meeting those targets will need large-scale deployment of electric vehicles (EV's), storage for power generated from renewables and electricity transmission, all of which require industrial materials, such as lightweight aluminum and metals used in batteries such as cobalt and lithium. (*Mining.Com, Reuters/May 10, 2021*)

## HAUL TRUCK ELECTRIFICATION

BHP, Rio Tinto and Vale are launching a global challenge to electrify haul trucks and tackle **CO2 emissions**.

The *Charge On Innovation Challenge* wants innovators who can “develop new concepts for large-scale haul truck electrification systems to help significantly cut emissions from surface mine operations and unlock safety, productivity and operational improvements”. Current stationary charging systems require substantial time to charge large trucks (down time). The mining industry needs multi-megawatt scale fast charging concepts capable of delivering around 400 kWh to charge (and propel) a truck within the truck's haul cycle (load, travel, dump, return, queue).

If successful, there is the potential added benefit of unlocking value, as electric motors have fewer moving parts than standard equipment. (*Kitco News: Michael McCrae, May 12, 2021*).

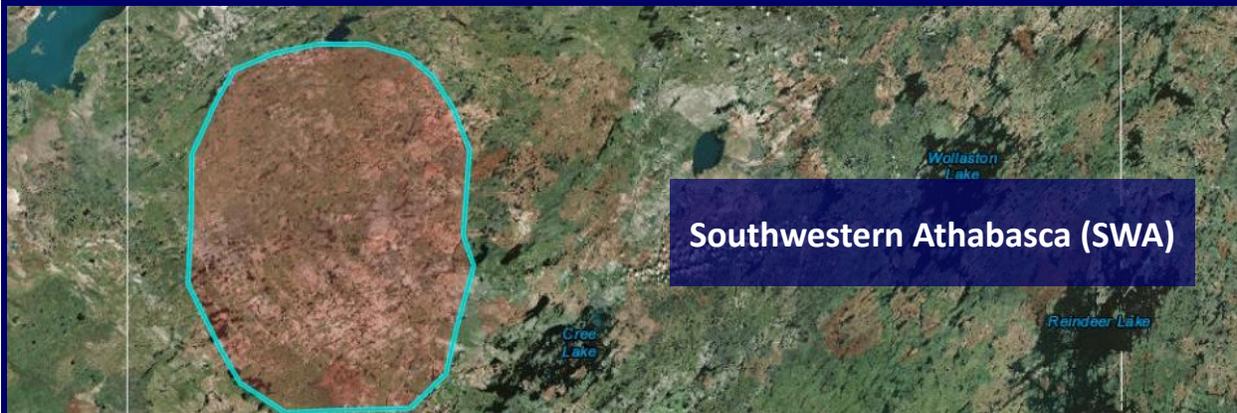
## CARBON-NEUTRAL OFFSETS

Climate Change is caused primarily by the carbon dioxide released from burning fossil fuel like oil, coal and gas. Going “**carbon-neutral**” is based on the principle that since climate change is a global problem, an emission reduction made elsewhere has the same positive effect as one made locally.

If you add polluting emissions to the atmosphere, you can effectively subtract them by purchasing carbon-offsets. **Carbon-Offsets** are credits for emission reductions achieved by projects such as wind farms, solar installations or energy efficiency retrofits. You can purchase these credits and apply them to your own emissions to reduce your net climate impact. (*David Suzuki Foundation*)

## LATEST SASKATCHEWAN CARBON NEUTRAL, ZERO EMISSIONS, CLEAN ENERGY NEWS

**Mcllvenna Bay** Becomes the **World's First Carbon Neutral Copper Development Project** Following Completion of **Carbon Offset Purchases** Vancouver, BC (May 18, 2021) **Foran Mining Corporation** (TSX.V: FOM, OTCQX: FMCXF) ("Foran" or the "Company") is delighted to announce that its 100% owned Mcllvenna Bay project ("Mcllvenna Bay" or "the Project") is now the world's first **carbon neutral copper development project** following the completion of **carbon offset purchases** to offset emissions from exploration activities undertaken at the Deposit over the past 10 years. A copy of the Company's GHG Inventory Report can be found on our website. The total emissions for exploration over 10 years (2011-2020), including land use changes, fuel use for exploration and travel-related emissions, was 5,744.98 tonnes of CO<sub>2</sub>e and the emissions measurement was conducted in alignment with the ISO 14064-1 standard and GHG Protocol Corporate Standard. The transaction will provide revenue for two offset projects: the Kariba Forest Protection project in Zimbabwe (verified to VCS/VERRA standard and a REDD+ project) and the NL Climate & Ecosystems Conservancy Project (verified under ISO-14064-2): • Kariba Forest Protection project in Zimbabwe • NL Climate & Ecosystems Conservancy Project The offset projects were specifically chosen because they are verified to a high standard and incorporate Canadian and international projects. *(Foran Mining Corp, News Release, May 18, 2021)*



## Purepoint Uranium Group Inc.

Purepoint provided an update on the winter exploration program at the **Hook Lake Project**, a JV between **Cameco Corp** (39.5%), **Orano Canada Inc** (39.5%) and Purepoint (21%). Three holes were completed and one lost for a total of 2556 m. HK21-117A and 118 both encountered wide intervals of strong to intense silicification proximal to graphitic shear zones. Assays for HK21-118 returned 134 ppm U over 0.7 m.



Standard provided an update on its plans for the upcoming Phase 11 Summer drilling program on its **Davidson River Uranium Project**. The Company concluded the Winter program at the Project and based on positive indications, announced it would quadruple the Summer drill program to 10,000 m. Crews have now mobilized for the Summer drill program which is slated to commence the first week of June and run the entire summer to mid-September.



Baselode announced that the fixed-wing airborne gravity survey has been completed over the **Catharsis uranium project**. The survey identified numerous gravity low features, any one of which could be indicative of clay alteration of basement rocks. Immediate follow-up plans for **Catharsis** include i) an airborne VTEM survey to refine structural targets anticipated to start in the next 2-3 weeks ii) ground-truthing and reconnaissance geologic mapping and sampling anticipated to start in Q2 early Q3 and iii) 2500 m of diamond drilling anticipated to begin in late Q3.

A similar survey has been completed over Baselode's **Hook project**. The survey identified numerous gravity anomalies associated with historic uranium occurrences, as well as anomalies with no previous occurrences. The survey also identified numerous elongate gravity low features that correlate well with magnetic features, suggesting these features are of geological importance and could be indicative of fault zones with clay alteration commonly associated with uranium mineralization. Immediate follow-up plans include i) a high-resolution airborne radiometric and magnetic survey, anticipated to start in the next 4 weeks ii) ground truthing and reconnaissance geologic mapping and sampling anticipated to start in late Q2/early Q3 iii) 2500 m of diamond drilling within priority target areas, anticipated to begin in late Q3.



Cameco reported its consolidated financial and operating results for Q1 ended March 31, 2021.

Highlights include

-first quarter results were as expected with Cameco ending the quarter with over a billion dollars in cash, and Cameco was successful in adding 9 million pounds U3O8 to their long-term contract portfolio.

-the **Cigar Lake Mine** was safely restarted in April, with the first shipment of ore sent to the **McClellan Lake Mill (Orano Canada Inc)** at the end of April.



Denison Mines reported results for the quarter ended March 31, 2021

Highlights include

- March 31, 2021, the Company committed to purchase 2.5 million pounds of U3O8 at a weighted average price of U.S.\$29.61 per pound U3O8

-commenced the 2021 **ISR Field Program** at **Wheeler River**

-discovered new high-grade uranium mineralization at **McLean Lake South**

-decision to advance to a formal FS for the high-grade **Phoenix Uranium Deposit**

-planned follow-up on the discovery of high-grade uranium mineralization at the **K-West** target area, located 4 km west of Phoenix.

-executed agreements with the **English River First Nation**



Forum announced that Discovery International Geophysics Inc has commenced a 588 line-km airborne EM survey on its **Love Lake Nickel-Copper-PGM** project located 60 m NE of Forum's Janice Lake/Rio Tinto Copper JV. Forum is currently making arrangements for a drill program in the late summer.

Forum announced initial drill results from **Rio Tinto Exploration Canada's** 4<sup>th</sup> drill target on the **Janice Lake copper/silver project**. Rio Tinto plans to continue its drill program beginning in June to follow up on these results on the **Rafuse Target**.

Highlights include

-JANL0022-no intercept

-JANL0023-0.325% Cu and 2.04 g/t Ag over 48 m including 1.78% Cu and 9.25 g/t Ag over 3.15 m

-JANL0024-0.28% Cu and 2.00 g/t Ag over 76.5 m and 0.20% Cu and 1.58 g/t Ag over 18 m

-JANL0025-0.16% Cu and 1.74 g/t Ag over 8m

Thick intervals of copper mineralization with a higher grade of >1% Cu have been intersected from surface to a depth of 200 m. **Rio Tinto** plans to continue drilling along the remaining 1 ½ km of strike potential at **Rafuse** this summer. Thick intervals of copper mineralization have now been intersected by drilling for >5 km on the property on 4 different targets on the 52 km long **Janice Lake property**.



Purepoint provided an overview of the exploration targets scheduled to be drill tested at its **Red Willow project**, located 10 km north of Cameco's Eagle Point Mine.

Highlights include

-initial focus on the Osprey Zone

-additional priority exploration areas include the Geneva Zone, the Radon Lake Zone, the Golden Eye Zone, Topping Island, the 333 Zone and CBA Zone.

Purepoint has commenced drilling on its Red Willow project.

Highlights include

-beginning at the **Osprey Zone** approximately 1200 m will be drilled

-depending on conditions and results, the Company hopes to also test the **Geneva** and **333 Zones**



Skyharbour announced that mobilization has begun for its 2021 diamond drilling program at its **Moore Uranium Project** located 15 km east of Denison Mine's Wheeler River Project. Skyharbour completed a 9 km Small Moving Loop EM (SML-EM) geophysical survey to refine additional drill targets. A 3500 m diamond drilling program consisting of 7-8 holes is planned and will focus on following-up on existing unconformity and basement-hosted targets along the **Maverick structural corridor** as well as newly-defined targets at the **Grid Nineteen** area.



Transition announced the commencement of field work plans on their **Wollaston Lake Project**.

Highlights include

- application for work permits to enable the preparation of a number of helicopter pads in advance of a program of mapping and sampling
- ground-truthing the large-scale biogeochemical copper targets highlighted in the 2020 property-wide survey
- intention to expand the biogeochemical survey to cover the newly staked portions of the property

The property is located 60 km SW along-strike from the Janice Lake copper-silver project.



ALX announced the results of the 2021 drilling program at the **Alligator Lake Gold Project** located 165 km NE of La Ronge. The drilling program consisted of 6 NQ-size diamond drill holes totaling 617.6 m.

Highlights include

-every hole confirmed quartz veining with associated sulphides and gold mineralization at shallow depths

-the highest gold values occurred in holes AL21-004 and 005 which were drilled 600 m apart

-AL21-003 returned 1.63 m @ 1.54 g/t Au and 0.26 g/t Ag

-AL21-004 returned 0.98 m @ 10.67 g/t Au and 0.42 g/t Ag including 0.57 m @ 18.20 g/t Au and 0.38 g/t Ag

-AL21-005 returned 3.45 m @ 1.58 g/t Au and 0.47 g/t Ag including 0.50 m @ 5.66 g/t Au and 0.59 g/t Ag and 0.56 m @ 4.01 g/t Au and 0.63 g/t Ag and 3.64 m @ 1.21 g/t Au and 0.42 g/t Ag and 8.44 m @ 1.93 g/t Au and 0.69 g/t Ag including 0.69 m @ 16.80 g/t Au and 4.92 g/t Ag and 1.19 m @ 1.88 g/t Au and 0.42 g/t Ag

-AL21-006 returned 0.52 m @ 1.71 g/t Au and 0.19 g/t Ag

ALX plans summer work in 2021 consisting of geological mapping and prospecting and may include trenching. ALX also plans to carry out a high-resolution airborne or drone magnetic survey for the development of winter drilling targets in 2022.



**Eagle Plains**  
Resources Ltd.

EPL:TSX-V

Eagle Plains Resources Ltd and **SKRR Exploration Inc** have received results from the 12-hole, 1674 m drill program recently completed on the **Olson Property**, located 100 km east of La Ronge.

New Highlights include

- OL-21-019 50.24 m @ 0.41 g/t Au including 6.25 m @ 1.15 g/t Au
  - OL-21-020 39.5 m @ 0.37 g/t Au including 12.61 m @ 0.60 g/t Au
  - OL-21-023 7.04 m @ 0.43 g/t Au including 9.02 m @ 1.16 g/t Au and 4.55 m @ 1.59 g/t Au
- drill results at the Olson Zone demonstrate thickness and higher-grade intervals. The **Olson Zone** is open in all directions.

Significant Intersections include

- OL-21-025 13.1 m @ 0.89 g/t Au and 8.41 m @ 0.72 g/t Au
- OL-21-026 11.04 m @ 0.61 g/t Au and 29.44 m @ 1.30 g/t Au and 10.21 m @ 2.95 g/t Au and 5.54 m @ 4.12 g/t Au and 0.78 m @ 14.55 g/t Au

Other Winter Highlights include

- 9 of 12 holes intersected significant gold mineralization
- new gold discovery @ **Ackbar Lake**, OL-21-029 returned 0.75 g/t Au over 8.12 m including 2.39 g/t Au over 1.4 m.
- 92 of 717 core samples collected returned >0.5 g/t Au with 38 >1 g/t Au.



Fathom Nickel Inc has obtained final receipt for its non-offering prospectus. Its Common Shares began trading on the CSE on Tuesday May 25<sup>th</sup>, 2021 under the symbol FNI.

Highlights include

-an additional 55,732 ha were staked, bringing the property size at its **Albert Lake Project** to 90,127 ha.

-Q1 2021 exploration program consisted of 9 holes drilled totalling 1,232 m designed to extend known Rottenstone-like mineralization south of the historic **Rottenstone Mine**

-drilling also tested the continuation to depth along strike of Rottenstone-like mineralization at the **Island Showing** approximately 600 m north-northwest of the historic **Rottenstone Mine**, and to test the continuation of an off-hole BHEM anomaly occurring in Rottenstone-like host rock 400 m west of the mine

-borehole EM surveys (BHEM) on 2021 DDH's plus historical drill holes

-gravity survey

-completion of a property-wide heliborne Gradient Magnetic Survey totaling 9,595 line-kms

-full suite PGE analysis has been performed on some Q1 2021 drill holes, as well as on samples of coarse reject material of Rottenstone mineralization originally submitted by Fathom in 2017 for a preliminary metallurgical study. This has yielded significant results for the four rare platinum group elements **rhodium, osmium, iridium and ruthenium**. The four samples returned an average grade of 0.20 g/t Rh, 0.13 g/t Os, 0.11 g/t Ir and 0.06 g/t Ru. These additional rare PGE's would translate to an incremental NiEq of 1.07 %.

-commencing June 2021, Fathom will initiate additional exploration consisting of mapping, prospecting and soil geochemistry in areas where the Company has thus far defined, through compilation of historical data and recent BHEM data compilation, areas to host other Rottenstone-like deposits. In addition, high priority areas for follow-up exploration will come from interpretation of the recently completed heliborne Gradient Magnetic Survey.

-the program will last into the fall with diamond drilling anticipated to commence in late August/early September.



Foran Mining announced that its **Mclivenna Bay** project is now the world's first carbon-neutral copper development project following the completion of carbon offset purchases to offset emissions from exploration activities undertaken at the Deposit over the past 10 years.

The total emissions for exploration over 10 years (2011-2020) including land use changes, fuel use for exploration and travel-related emissions, was 5,744.98 tonnes of CO<sub>2</sub>e.

The transaction will provide revenue for two offset projects: the Kariba Forest Protection project in Zimbabwe and the NL Climate and Ecosystems Conservancy Project.

**Foran Mining** reported results from the latest 5 holes of its 30,000 m winter drill program at Mclivenna Bay.

Highlights include

-MB-21-237 intersected 2 zones of mineralization

. 1.16% Cu, 0.67% Zn, 18.88 g/t Ag and 0.53 g/t Au (1.87% Cu Eq) over 14.78 m (CSZ) including 2.09% Cu, 1.88% Zn, 26.35 g/t Ag and 0.74 g/t Au (3.45% CuEq) over 2.45 m and 0.46% Cu, 5.70% Zn, 12.62 g/t Ag and 0.13 g/t Au (2.89% CuEq) over 0.65 m (MS)

-MB-21-232 intersected 17.77 m of CSZ grading 1.09% CuEq

-MB-21-240a intersected 0.82% Cu, 0.15% Zn, 5.13 g/t Ag and 0.07 g/t Au over 7.50 m

Step Out Drill Results

-MB-21-239

. 2.95% Cu, 0.45% Zn, 44.01 g/t Ag and 0.74 g/t Au (3.94% CuEq) over 1.15 m (CSZ) including 7.43% Cu, 1.17% Zn, 113.2 g/t Ag and 2.06 g/t Au (10.07% CuEq) over 0.40 m

-MB-21-241 1.90% Cu, 1.01% Zn, 15.45 g/t Ag and 0.40 g/t Au (2.63% CuEq) over 0.75 m



MAS Gold provided a summary of assay results from the 2021 winter drill program at its **Greywacke Lake Property**. A total of 2912.9 m was drilled in 15 holes.

Highlights include

**GREYWACKE NORTH DEPOSIT**

- GW 21-128 7.36 g/t Au over 9.9 m
- GW 21-129 3.79 g/t Au over 5.53 m
- GW 21-136 (at depth) 1.39 g/t Au over 10.12 m including 2.19 g/t Au over 3.12 m
- GW 21-142 (down-dip) 3.8 g/t Au over 8.16 m including 5.7 g/t Au over 2 m and 10.87 g/t Au over 1 m
- GW 21-141 (within central zone) 2.34 g/t Au over 1.5 m

**NORTH LAKE DEPOSIT (3 of 10 holes)**

- NL 21-054 includes the widest continuous weighted average intercept of > 1g/t Au to date as well as the biggest down-dip step-outs drilled on the property extending the mineralized zone in the central portion of the deposit roughly 80 m further down-dip
- NL 21-054 returned 117.2 m @ 1.249 g/t Au including 1.0 m @ 24.140 g/t Au
- NL 21-055 (97 m SW of NL 21-054) returned 172.2 m @ 0.736 g/t Au including 23.0 m @ 1.178 g/t Au, and 70.0 m @ 1.106 g/t Au and 14.8 m @ 1.096 g/t Au.
- NL 21-052 returned 122.5 m @ 0.927 g/t Au
- NL 21-053 returned 30.7 m @ 1.093 g/t Au

MAS Gold reports the commencement of a **PEA** for its proposed integrated **Greywacke and North Lake** gold projects.

The PEA planned for release in Q3 2021, will include updated Mineral Resource estimates to NI-43-101 standards for the **Greywacke North and North Lake Deposits**.



Searchlight has executed a formal option agreement to acquire a 100% Interest (subject to a 2% NSR) in the **Robinson Creek Gold Project** located 15 km west of Creighton.

Highlights include

- 7 claim blocks covering 1.84 sq km
- over 75 historical drill holes
- multiple historical high-grade gold intersections
- initial review of data shows a 55 m section of 2.50 g/t Au in DDH 81-1



SKRR Exploration has received results from the 12-hole, 1674 m drill program recently completed on the Olson Property east of La Ronge and Wapawekka Lake.

The current program demonstrated the near surface large size potential of the **Point Zone**.

New Highlights include

- OL21019: 50.24m @ 0.41 g/t Au (3.23m – 53.47m), including:  
6.25m @ 1.15 g/t Au (35.75m – 42.00m)
- OL21020: 39.5m @ 0.37 g/t Au (2.66m – 42.16m), including:  
12.61m @ 0.60 g/t Au (20.00m – 32.61m)
- OL21023: 7.04m @ 0.43g/t Au (36.46m – 43.50m), and  
9.02m @ 1.16 g/t Au (67.53m – 76.55m), including:  
4.55m @ 1.59 g/t Au (72.00m – 76.55m)

Drill results at the **Olson Zone** continue to show encouragement and demonstrate well developed thickness with higher grade intervals. The Olson Zone is open in all directions. Significant intersections include:

- OL21025: 13.1m @ 0.89 g/t Au (32.22m – 45.32m), and:  
8.41m @ 0.72 g/t Au (122.47m – 130.88m)
- OL21026: 11.04m @ 0.61 g/t Au (48.63m – 59.67m) and:  
29.44m @ 1.30 g/t Au (105.04m – 134.48m), including:  
10.21m @ 2.95 g/t Au (120.11m – 130.32m), including:  
5.54m @ 4.12 g/t Au (121.69m – 127.23m), including:  
0.78m @ 14.55 g/t Au (126.45m – 127.23m)

Other Winter Program Drilling Highlights:

- 9 of 12 holes completed intersected significant mineralization.
- New Gold Discovery: First hole completed at Ackbar Lake, drill hole OL21029, returned 0.75g/t over 8.12m, including 2.39g/t over 1.4m.
- Mineralized Core: 92 of the 717 core samples collected returned greater than 0.5 g/t Au, with 38 samples greater than 1 g/t Au.



Taiga Gold and option partner **SKRR Exploration Inc** have received complete results from the 9-hole 1341 m 2021 winter drill program on the **Leland Property**, located 23 km SW of SSR Mining's Seabee Gold Operation. All 9 holes intersected either quartz veining or sulphide-bearing shears with assays ranging from trace to a high of 635 ppb Au over 1.5 m.

Taiga Gold and JV partner **SGO Mining Inc** (a wholly owned subsidiary of **SSR Mining Inc**) have completed approximately 1/3 of Phase 1 exploration drilling on the **Fisher Property**, located 125 km east of La Ronge. (**Fisher JV 80% SSRM and 20% TGC**).

During the winter of 2021 the JV completed 1157 m of HQ diamond drilling in 4 holes, focused on defining gold mineralization at the **MAC and MAC North Zones**. Drilling is planned to resume in late May/early June. Analytical results are being compiled and assessed for QAQC.

Taiga Gold has executed an agreement whereby the Company has purchased a 100% interest (less 2% NSR) in claims which adjoin Taiga's existing **Mari Lake** dispositions. The **Mari Lake** property is host to 2 documented gold occurrences, **Aga** and **Naza**.

Taiga Gold reports that drilling is underway on its **Orchid** project located 120 km east of La Ronge. Drilling is expected to consist of 2,000 m in 12-14 holes.

Highlights include

- historical gold exploration since mid-1980's
- numerous high-grade mineral occurrences
- grades from Tr to 61.30 g/t Au and 41.3 g/t Au (Orchid Au Zone)
- 19.2 g/t Au (Tim's Showing)
- 12.7 g/t Au (Eureka)
- 11.4 g/t Au over 1.9 m (Versary)
- 8.5 g/t Au (Terra Zone)
- significant Silver (144.5 g/t Ag), Cu (3.9%) and Mo (2600 ppm).



SSR Mining has reported First Quarter results for the quarter ended March 31, 2021

Highlights include

- Seabee** produced 23,735 ounces of gold in Q1
- Seabee** exercised its option to acquire an additional 20% interest in the **Fisher Property**, bringing its JV interest to 80%
- Seabee** largely replaced Mineral Reserves for the year



ALX provided an exploration update on the **Firebird Nickel Project** which is the subject of an option agreement whereby **Rio Tinto Exploration Canada Inc** can earn up to an 80% interest in Firebird by incurring exploration expenditures of \$12 million over 6 years. The **Firebird 2021** exploration program is anticipated to begin in late May 2021 with initial ground-truthing of geophysical anomalies detected in the October 2020 airborne EM survey.

A summer drilling program consisting of 1500 m in up to 8 holes is scheduled to begin in mid-June 2021, mobilizing out of Stony Rapids.



Eagle Plains and **Tri Capital Opportunities Corp** have executed a formal agreement whereby TCAP may acquire up to an 80% interest in EPL's 6500 ha **Pine Channel (gold) project** located 43 km west of Stony Rapids.



Forum reported geochemical results compiled over 3 drill programs at its Fir Island project east of Stony Rapids. A 100 m interval of interpreted ultramafic rock with elevated nickel was intersected in basement rocks. Forum has requested the lab assay these nickel zones for palladium, platinum and gold.

Highlights include

- FI-17 intersected 132 ppm uranium immediately below the unconformity followed by 10 m of 450 ppm Cu
- FI-23 to 26 all show elevated boron levels (>100 ppm)
- FI-24 intersected values of 0.36% boron and 0.42% Ni over 5m and 0.21% Ni over 10.3 m. The hole ended in this ultramafic unit assaying 0.1% Ni and 275 ppm Cu over 3 m.



Star Diamond announced Q1 2021 results

Highlights include

- announced the initial results from the 10<sup>th</sup> and final trench cutter hole extracted by **Rio Tinto Exploration Canada Inc** as part of its 2019 bulk sample program on the **Star and Orion South kimberlites**
- announced Rio Tinto Canada's confirmation to Star Diamond that the 2019 bulk sample program had met with Rio Tinto Canada's objectives of improving confidence in the diamond grade of the project
- announced a geotechnical drilling program by Rio Tinto Canada on the **Orion North kimberlite cluster**

## COMMODITIES AT A GLANCE

### URANIUM

**Baselode Energy Corp** announced that the fixed-wing airborne gravity survey has been completed over the **Catharsis uranium project**. The survey identified numerous gravity low features, any one of which could be indicative of clay alteration of basement rocks. Immediate follow-up plans for **Catharsis** include i) an airborne VTEM survey to refine structural targets anticipated to start in the next 2-3 weeks ii) ground-truthing and reconnaissance geologic mapping and sampling anticipated to start in Q2 early Q3 and iii) 2500 m of diamond drilling anticipated to begin in late Q3.

A similar survey has been completed over **Baselode Energy's Hook project**. The survey identified numerous gravity anomalies associated with historic uranium occurrences, as well as anomalies with no previous occurrences. The survey also identified numerous elongate gravity low features that correlate well with magnetic features, suggesting these features are of geological importance and could be indicative of fault zones with clay alteration commonly associated with uranium mineralization. Immediate follow-up plans include i) a high-resolution airborne radiometric and magnetic survey, anticipated to start in the next 4 weeks ii) ground truthing and reconnaissance geologic mapping and sampling anticipated to start in late Q2/early Q3 iii) 2500 m of diamond drilling within priority target areas, anticipated to begin in late Q3.

**Cameco Corp** reported its consolidated financial and operating results for Q1 ended March 31, 2021.

#### Highlights include

- first quarter results were as expected with Cameco ending the quarter with over a billion dollars in cash, and Cameco was successful in adding 9 million pounds U3O8 to their long-term contract portfolio.
- the **Cigar Lake Mine** was safely restarted in April, with the first shipment of ore sent to the **McClellan Lake Mill (Orano Canada Inc)** at the end of April.

**Denison Mines Corp** reported results for the quarter ended March 31, 2021

#### Highlights include

- March 31, 2021, the Company committed to purchase 2.5 million pounds of U3O8 at a weighted average price of U.S.\$29.61 per pound U3O8
- commenced the 2021 **ISR Field Program** at **Wheeler River**
- discovered new high-grade uranium mineralization at **McLean Lake South**
- decision to advance to a formal FS for the high-grade **Phoenix Uranium Deposit**
- planned follow-up on the discovery of high-grade uranium mineralization at the **K-West** target area, located 4 km west of Phoenix.

## COMMODITIES AT A GLANCE

**Forum Energy Metals Corp** reported geochemical results compiled over 3 drill programs at its Fir Island project east of Stony Rapids. A 100 m interval of interpreted ultramafic rock with elevated nickel was intersected in basement rocks. Forum has requested the lab assay these nickel zones for palladium, platinum and gold.

### Highlights include

- FI-17 intersected 132 ppm uranium immediately below the unconformity followed by 10 m of 450 ppm Cu
- FI-23 to 26 all show elevated boron levels (>100 ppm)
- FI-24 intersected values of 0.36% boron and 0.42% Ni over 5m and 0.21% Ni over 10.3 m. The hole ended in this ultramafic unit assaying 0.1% Ni and 275 ppm Cu over 3 m.

**Purepoint Uranium Group Inc** provided an update on the winter exploration program at the **Hook Lake Project**, a JV between **Cameco Corp** (39.5%), **Orano Canada Inc** (39.5%) and Purepoint (21%). Three holes were completed and one lost for a total of 2556 m. HK21-117A and 118 both encountered wide intervals of strong to intense silicification proximal to graphitic shear zones. Assays for HK21-118 returned 134 ppm U over 0.7 m.

**Purepoint Uranium Group Inc** provided an overview of the exploration targets scheduled to be drill tested at its **Red Willow project**, located 10 km north of Cameco's Eagle Point Mine.

### Highlights include

- initial focus on the Osprey Zone
  - additional priority exploration areas include the Geneva Zone, the Radon Lake Zone, the Golden Eye Zone, Topping Island, the 333 Zone and CBA Zone.
- Purepoint has commenced drilling on its Red Willow project.

### Highlights include

- beginning at the **Osprey Zone** approximately 1200 m will be drilled
- depending on conditions and results, the Company hopes to also test the **Geneva** and **333 Zones**

**Skyharbour Resources Ltd** announced that mobilization has begun for its 2021 diamond drilling program at its **Moore Uranium Project** located 15 km east of Denison Mine's Wheeler River Project. Skyharbour completed a 9 km Small Moving Loop EM (SML-EM) geophysical survey to refine additional drill targets. A 3500 m diamond drilling program consisting of 7-8 holes is planned and will focus on following-up on existing unconformity and basement-hosted targets along the **Maverick structural corridor** as well as newly-defined targets at the **Grid Nineteen** area.

## COMMODITIES AT A GLANCE

**Standard Uranium Corp** provided an update on its plans for the upcoming Phase 11 Summer drilling program on its **Davidson River Uranium Project**. The Company concluded the Winter program at the Project and based on positive indications, announced it would quadruple the Summer program to 10,000 m. Crews have now mobilized for the Summer drill program which is slated to commence the first week of June and run the entire summer to mid-September.

### SILVER

**ALX Resources Corp** announced the results of the 2021 drilling program at the **Alligator Lake Gold Project** located 165 km NE of La Ronge. The drilling program consisted of 6 NQ-size diamond drill holes totaling 617.6 m.

#### Highlights include

-every hole confirmed quartz veining with associated sulphides and gold mineralization at shallow depths

-the highest gold values occurred in holes AL21-004 and 005 which were drilled 600 m apart

-AL21-003 returned 1.63 m @ 1.54 g/t Au and 0.26 g/t Ag

-AL21-004 returned 0.98 m @ 10.67 g/t Au and 0.42 g/t Ag including 0.57 m @ 18.20 g/t Au and 0.38 g/t Ag

-AL21-005 returned 3.45 m @ 1.58 g/t Au and 0.47 g/t Ag including 0.50 m @ 5.66 g/t Au and 0.59 g/t Ag and 0.56 m @ 4.01 g/t Au and 0.63 g/t Ag and 3.64 m @ 1.21 g/t Au and 0.42 g/t Ag and 8.44 m @ 1.93 g/t Au and 0.69 g/t Ag including 0.69 m @ 16.80 g/t Au and **4.92 g/t Ag** and 1.19 m @ 1.88 g/t Au and 0.42 g/t Ag

-AL21-006 returned 0.52 m @ 1.71 g/t Au and 0.19 g/t Ag

ALX plans summer work in 2021 consisting of geological mapping and prospecting and may include trenching. ALX also plans to carry out a high-resolution airborne or drone magnetic survey for the development of winter drilling targets in 2022.

## COMMODITIES AT A GLANCE

**Foran Mining Corp** reported results from the latest 5 holes of its 30,000 m winter drill program at McIlvenna Bay.

### Highlights include

-MB-21-237 intersected 2 zones of mineralization

1.16% Cu, 0.67% Zn, **18.88 g/t Ag** and 0.53 g/t Au (1.87% Cu Eq) over 14.78 m (CSZ) including 2.09% Cu, 1.88% Zn, **26.35 g/t Ag** and 0.74 g/t Au (3.45% CuEq) over 2.45 m and 0.46% Cu, 5.70% Zn, **12.62 g/t Ag** and 0.13 g/t Au (2.89% CuEq) over 0.65 m (MS)

-MB-21-232 intersected 17.77 m of CSZ grading 1.09% CuEq

-MB-21-240a intersected 0.82% Cu, 0.15% Zn, **5.13 g/t Ag** and 0.07 g/t Au over 7.50 m  
Step Out Drill Results

-MB-21-239

2.95% Cu, 0.45% Zn, **44.01 g/t Ag** and 0.74 g/t Au (3.94% CuEq) over 1.15 m (CSZ) including 7.43% Cu, 1.17% Zn, **113.2 g/t Ag** and 2.06 g/t Au (10.07% CuEq) over 0.40 m

-MB-21-241 1.90% Cu, 1.01% Zn, **15.45 g/t Ag** and 0.40 g/t Au (2.63% CuEq) over 0.75 m

**Forum Energy Metals Corp** announced initial drill results from **Rio Tinto Exploration Canada's** 4<sup>th</sup> drill target on the **Janice Lake copper/silver project**. Rio Tinto plans to continue its drill program beginning in June to follow up on these results on the **Rafuse Target**.

### Highlights include

-JANL0022-no intercept

-JANL0023-0.325% Cu and **2.04 g/t Ag** over 48 m including 1.78% Cu and **9.25 g/t Ag over 3.15 m**

-JANL0024-0.28% Cu and 2.00 g/t Ag over 76.5 m and 0.20% Cu and **1.58 g/t Ag** over 18 m

-JANL0025-0.16% Cu and **1.74 g/t Ag** over 8m

**Taiga Gold Corp** reports that drilling is underway on its **Orchid** project located 120 km east of La Ronge. Drilling is expected to consist of 2,000 m in 12-14 holes.

### Highlights include

-historical gold exploration since mid-1980's

-numerous high-grade mineral occurrences

-grades from Tr to 61.30 g/t Au and 41.3 g/t Au (Orchid Au Zone)

-19.2 g/t Au (Tim's Showing)

-12.7 g/t Au (Eureka)

-11.4 g/t Au over 1.9 m (Versary)

-8.5 g/t Au (Terra Zone)

-significant **Silver (144.5 g/t Ag)**, Cu (3.9%) and Mo (2600 ppm).

## COMMODITIES AT A GLANCE

### GOLD

**ALX Resources Corp** announced the results of the 2021 drilling program at the **Alligator Lake Gold Project** located 165 km NE of La Ronge. The drilling program consisted of 6 NQ-size diamond drill holes totaling 617.6 m.

#### Highlights include

-every hole confirmed quartz veining with associated sulphides and gold mineralization at shallow depths

-the highest gold values occurred in holes AL21-004 and 005 which were drilled 600 m apart

-AL21-003 returned 1.63 m @ 1.54 g/t Au and 0.26 g/t Ag

-AL21-004 returned 0.98 m @ **10.67 g/t Au** and 0.42 g/t Ag including **0.57 m @ 18.20 g/t Au** and 0.38 g/t Ag

-AL21-005 returned 3.45 m @ 1.58 g/t Au and 0.47 g/t Ag including 0.50 m @ 5.66 g/t Au and 0.59 g/t Ag and 0.56 m @ 4.01 g/t Au and 0.63 g/t Ag and 3.64 m @ 1.21 g/t Au and 0.42 g/t Ag and 8.44 m @ 1.93 g/t Au and 0.69 g/t Ag including 0.69 m @ 16.80 g/t Au and 4.92 g/t Ag and 1.19 m @ 1.88 g/t Au and 0.42 g/t Ag

-AL21-006 returned 0.52 m @ 1.71 g/t Au and 0.19 g/t Ag

ALX plans summer work in 2021 consisting of geological mapping and prospecting and may include trenching. ALX also plans to carry out a high-resolution airborne or drone magnetic survey for the development of winter drilling targets in 2022.

**Eagle Plains Resources Ltd** and **SKRR Exploration Inc** have received results from the 12-hole, 1674 m drill program recently completed on the **Olson Property**, located 100 km east of La Ronge.

#### New Highlights include

-OL-21-019 **50.24 m @ 0.41 g/t Au** including **6.25 m @ 1.15 g/t Au**

-OL-21-020 **39.5 m @ 0.37 g/t Au** including **12.61 m @ 0.60 g/t Au**

-OL-21-023 **7.04 m @ 0.43 g/t Au** including 9.02 m @ 1.16 g/t Au and 4.55 m @ 1.59 g/t Au

-drill results at the Olson Zone demonstrate thickness and higher-grade intervals. The **Olson Zone** is open in all directions.

#### Significant Intersections include

-OL-21-025 **13.1 m @ 0.89 g/t Au** and **8.41 m @ 0.72 g/t Au**

-OL-21-026 **11.04 m @ 0.61 g/t Au** and **29.44 m @ 1.30 g/t Au** and **10.21 m @ 2.95 g/t Au** and **5.54 m @ 4.12 g/t Au** and **0.78 m @ 14.55 g/t Au**

#### Other Winter Highlights include

-9 of 12 holes intersected significant mineralization

-new gold discovery @ **Ackbar Lake**, OL-21-029 returned 0.75 g/t Au over 8.12 m including 2.39 g/t Au over 1.4 m.

-92 of 717 core samples collected returned >0.5 g/t Au with 38 >1 g/t Au.

## COMMODITIES AT A GLANCE

**Eagle Plains Resources Ltd** and **Tri Capital Opportunities Corp** have executed a formal agreement whereby TCAP may acquire up to an 80% interest in EPL's 6500 ha **Pine Channel (gold) project** located 43 km west of Stony Rapids.

**MAS Gold Corp** provided a summary of assay results from the 2021 winter drill program at its **Greywacke Lake Property**. A total of 2912.9 m were drilled in 15 holes.

Highlights include

### **GREYWACKE NORTH DEPOSIT**

- GW 21-128 **7.36 g.t Au over 9.9 m**
- GW 21-129 3.79 g/t Au over 5.53 m
- GW 21-136 (at depth) 1.39 g/t Au over 10.12 m including 2.19 g/t Au over 3.12 m
- GW 21-142 (down-dip) 3.8 g/t Au over 8.16 m including 5.7 g/t Au over 2 m and 10.87 g/t Au over 1 m
- GW 21-141 (within central zone) 2.34 g/t Au over 1.5 m

### **NORTH LAKE DEPOSIT (3 of 10 holes)**

- NL 21-054 includes the widest continuous weighted average intercept of > 1g/t Au to date as well as the biggest down-dip step-outs drilled on the property extending the mineralized zone in the central portion of the deposit roughly 80 m further down-dip
- NL 21-054 returned **117.2 m @ 1.249 g/t Au** including **1.0 m @ 24.140 g/t Au**
- NL 21-055 (97 m SW of NL 21-054) returned **172.2 m @ 0.736 g/t Au** including **23.0 m @ 1.178 g/t Au, and 70.0 m @ 1.106 g/t Au and 14.8 m @ 1.096 g/t Au.**
- NL 21-052 returned **122.5 m @ 0.927 g/t Au**
- NL 21-053 returned 30.7 m @ 1.093 g/t Au

MAS Gold reports the commencement of a **PEA** for its proposed integrated **Greywacke and North Lake** gold projects.

The PEA planned for release in Q3 2021, will include updated Mineral Resource estimates to NI-43-101 standards for the **Greywacke North and North Lake Deposits**.

**Searchlight Resources Inc** has executed a formal option agreement to acquire a 100% Interest (subject to a 2% NSR) in the **Robinson Creek Gold Project** located 15 km west of Creighton.

Highlights include

- 7 claim blocks covering 1.84 sq km
- over 75 historical drill holes
- multiple historical high-grade gold intersections
- initial review of data shows a **55 m section of 2.50 g/t Au** in DDH 81-1

## COMMODITIES AT A GLANCE

**SKRR Exploration Inc** has received results from the 12-hole, 1674 m drill program recently completed on the Olson Property east of La Ronge and Wapawekka Lake.

The current program demonstrated the near surface large size potential of the **Point Zone**.

New Highlights include

- OL21019: **50.24m @ 0.41 g/t Au (3.23m – 53.47m), including:  
6.25m @ 1.15 g/t Au (35.75m – 42.00m)**
- OL21020: **39.5m @ 0.37 g/t Au (2.66m – 42.16m), including:  
12.61m @ 0.60 g/t Au (20.00m – 32.61m)**
- OL21023: **7.04m @ 0.43g/t Au (36.46m – 43.50m), and  
9.02m @ 1.16 g/t Au (67.53m – 76.55m), including:  
4.55m @ 1.59 g/t Au (72.00m – 76.55m)**

Drill results at the **Olson Zone** continue to show encouragement and demonstrate well developed thickness with higher grade intervals. The Olson Zone is open in all directions. Significant intersections include:

- OL21025: **13.1m @ 0.89 g/t Au (32.22m – 45.32m), and:  
8.41m @ 0.72 g/t Au (122.47m – 130.88m)**
- OL21026: **11.04m @ 0.61 g/t Au (48.63m – 59.67m) and:  
29.44m @ 1.30 g/t Au (105.04m – 134.48m), including:  
10.21m @ 2.95 g/t Au (120.11m – 130.32m), including:  
5.54m @ 4.12 g/t Au (121.69m – 127.23m), including:  
0.78m @ 14.55 g/t Au (126.45m – 127.23m)**

Other Winter Program Drilling Highlights:

- 9 of 12 holes completed intersected significant mineralization.
- New Gold Discovery: First hole completed at Ackbar Lake, drill hole OL21029, returned 0.75g/t over 8.12m, including 2.39g/t over 1.4m.
- Mineralized Core: 92 of the 717 core samples collected returned greater than 0.5 g/t Au, with 38 samples greater than 1 g/t Au.

## COMMODITIES AT A GLANCE

**SSR Mining Inc** has reported First Quarter results for the quarter ended March 31, 2021  
Highlights include

- Seabee** produced 23,735 ounces of gold in Q1
- Seabee** exercised its option to acquire an additional 20% interest in the **Fisher Property**, bringing its JV interest to 80%
- Seabee** largely replaced Mineral Reserves for the year

**Taiga Gold Corp** and option partner **SKRR Exploration Inc** have received complete results from the 9-hole 1341 m 2021 winter drill program on the **Leland Property**, located 23 km SW of SSR Mining's Seabee Gold Operation. All 9 holes intersected either quartz veining or sulphide-bearing shears with assays ranging from trace to a high of **635 ppb Au over 1.5 m**.

**Taiga Gold Corp** and JV partner **SGO Mining Inc** (a wholly owned subsidiary of **SSR Mining Inc**) have completed approximately 1/3 of Phase 1 exploration drilling on the **Fisher Property**, located 125 km east of La Ronge. (**Fisher JV 80% SSRM and 20% TGC**).

During the winter of 2021 the JV completed 1157 m of HQ diamond drilling in 4 holes, focused on defining gold mineralization at the **MAC and MAC North Zones**. Drilling is planned to resume in late May/early June. Analytical results are being compiled and assessed for QAQC.

**Taiga Gold Corp** has executed an agreement whereby the Company has purchased a 100% interest (less 2% NSR) in claims which adjoin Taiga's existing **Mari Lake** dispositions. The **Mari Lake** property is host to 2 documented gold occurrences, **Aga** and **Naza**.

**Taiga Gold Corp** reports that drilling is underway on its **Orchid** project located 120 km east of La Ronge. Drilling is expected to consist of 2,000 m in 12-14 holes.

Highlights include

- historical gold exploration since mid-1980's
- numerous high-grade mineral occurrences
- grades from Tr to **61.30 g/t Au and 41.3 g/t Au (Orchid Au Zone)**
- 19.2 g/t Au (Tim's Showing)
- 12.7 g/t Au (Eureka)
- 11.4 g/t Au over 1.9 m (Versary)
- 8.5 g/t Au (Terra Zone)
- significant Silver (144.5 g/t Ag), Cu (3.9%) and Mo (2600 ppm).

## COMMODITIES AT A GLANCE

### BASE METALS

**ALX Resources Corp** provided an exploration update on the **Firebird Nickel Project** which is the subject of an option agreement whereby **Rio Tinto Exploration Canada Inc** can earn up to an 80% interest in Firebird by incurring exploration expenditures of \$12 million over 6 years.

The **Firebird 2021** exploration program is anticipated to begin in late May 2021 with initial ground-truthing of geophysical anomalies detected in the October 2020 airborne EM survey.

A summer drilling program consisting of 1500 m in up to 8 holes is scheduled to begin in mid-June 2021, mobilizing out of Stony Rapids.

**Fathom Nickel Inc** has obtained final receipt for its non-offering prospectus. Its Common Shares began trading on the CSE on Tuesday May 25<sup>th</sup>, 2021 under the symbol FNI.

#### Highlights include

- an additional 55,732 ha were staked, bringing the property size at its **Albert Lake Project** to 90,127 ha.

- Q1 2021 exploration program consisted of 9 holes drilled totalling 1,232 m designed to extend known Rottenstone-like mineralization south of the historic **Rottenstone Mine**

- drilling also tested the continuation to depth along strike of Rottenstone-like mineralization at the **Island Showing** approximately 600 m north-northwest of the historic **Rottenstone Mine**, and to test the continuation of an off-hole BHEM anomaly occurring in Rottenstone-like host rock 400 m west of the mine

- borehole EM surveys (BHEM) on 2021 DDH's plus historical drill holes

- gravity survey

- completion of a property-wide heliborne Gradient Magnetic Survey totaling 9,595 line-kms

- full suite PGE analysis has been performed on some Q1 2021 drill holes, as well as on samples of coarse reject material of Rottenstone mineralization originally submitted by Fathom in 2017 for a preliminary metallurgical study

- commencing June 2021, Fathom will initiate additional exploration consisting of mapping, prospecting and soil geochemistry in areas where the Company has thus far defined, through compilation of historical data and recent BHEM data compilation, areas to host other Rottenstone-like deposits. In addition, high priority areas for follow-up exploration will come from interpretation of the recently completed heliborne Gradient Magnetic Survey.

- the program will last into the fall with diamond drilling anticipated to commence in late August/early September.

## COMMODITIES AT A GLANCE

**Foran Mining Corp** reported results from the latest 5 holes of its 30,000 m winter drill program at McIlvenna Bay.

### Highlights include

-MB-21-237 intersected 2 zones of mineralization

. 1.16% Cu, 0.67% Zn, 18.88 g/t Ag and 0.53 g/t Au (1.87% Cu Eq) over 14.78 m (CSZ) including 2.09% Cu, 1.88% Zn, 26.35 g/t Ag and 0.74 g/t Au (3.45% CuEq) over 2.45 m and 0.46% Cu, 5.70% Zn, 12.62 g/t Ag and 0.13 g/t Au (2.89% CuEq) over 0.65 m (MS)

-MB-21-232 intersected 17.77 m of CSZ grading 1.09% CuEq

-MB-21-240a intersected 0.82% Cu, 0.15% Zn, 5.13 g/t Ag and 0.07 g/t Au over 7.50 m  
Step Out Drill Results

-MB-21-239

. 2.95% Cu, 0.45% Zn, 44.01 g/t Ag and 0.74 g/t Au (3.94% CuEq) over 1.15 m (CSZ) including 7.43% Cu, 1.17% Zn, 113.2 g/t Ag and 2.06 g/t Au (10.07% CuEq) over 0.40 m

-MB-21-241 1.90% Cu, 1.01% Zn, 15.45 g/t Ag and 0.40 g/t Au (2.63% CuEq) over 0.75 m

**Forum Energy Metals Corp** announced initial drill results from **Rio Tinto Exploration Canada's** 4<sup>th</sup> drill target on the **Janice Lake copper/silver project**. Rio Tinto plans to continue its drill program beginning in June to follow up on these results on the **Rafuse Target**.

### Highlights include

-JANL0022-no intercept

-JANL0023-0.325% Cu and 2.04 g/t Ag over 48 m including 1.78% Cu and 9.25 g/t Ag over 3.15 m

-JANL0024-0.28% Cu and 2.00 g/t Ag over 76.5 m and 0.20% Cu and 1.58 g/t Ag over 18 m

-JANL0025-0.16% Cu and 1.74 g/t Ag over 8m

Thick intervals of copper mineralization with a higher grade of >1% Cu have been intersected from surface to a depth of 200 m. **Rio Tinto** plans to continue drilling along the remaining 1 ½ km of strike potential at **Rafuse** this summer. Thick intervals of copper mineralization have now been intersected by drilling for >5 km on the property on 4 different targets on the 52 km long **Janice Lake property**.

**Forum Energy Metals Corp** announced that Discovery International Geophysics Inc has commenced a 588 line-km airborne EM survey on its **Love Lake Nickel-Copper-PGM** project located 60 m NE of Forum's Janice Lake/Rio Tinto Copper JV. Forum is currently making arrangements for a drill program in the late summer.

## COMMODITIES AT A GLANCE

**Forum Energy Metals Corp** reported geochemical results compiled over 3 drill programs at its Fir Island project east of Stony Rapids. A 100 m interval of interpreted ultramafic rock with elevated nickel was intersected in basement rocks. Forum has requested the lab assay these nickel zones for palladium, platinum and gold.

### Highlights include

- FI-17 intersected 132 ppm uranium immediately below the unconformity followed by 10 m of 450 ppm Cu
- FI-23 to 26 all show elevated boron levels (>100 ppm)
- FI-24 intersected values of 0.36% boron and 0.42% Ni over 5m and 0.21% Ni over 10.3 m. The hole ended in this ultramafic unit assaying 0.1% Ni and 275 ppm Cu over 3 m.

**Transition Metals Corp** announced the commencement of field work plans on their **Wollaston Lake Project**.

### Highlights include

- application for work permits to enable the preparation of a number of helicopter pads in advance of a program of mapping and sampling
  - ground-truthing the large-scale biogeochemical copper targets highlighted in the 2020 property-wide survey
  - intention to expand the biogeochemical survey to cover the newly staked portions of the property
- The property is located 60 km SW along-strike from the Janice Lake copper-silver project.

## DIAMONDS

**Star Diamond Corp** announced Q1 2021 results

### Highlights include

- announced the initial results from the 10<sup>th</sup> and final trench cutter hole extracted by **Rio Tinto Exploration Canada Inc** as part of its 2019 bulk sample program on the **Star and Orion South kimberlites**
- announced Rio Tinto Canada's confirmation to Star Diamond that the 2019 bulk sample program had met with Rio Tinto Canada's objectives of improving confidence in the diamond grade of the project
- announced a geotechnical drilling program by Rio Tinto Canada on the **Orion North kimberlite cluster**

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### URANIUM CLAIMS East of Athabasca Basin

Please email: [gdeexploration@gmail.com](mailto:gdeexploration@gmail.com) or call 1 778 953 5277.

Six un-drilled mineral claims totaling 3757 ha (9284 acres) all in good standing into 2023 staked on the Needle Falls Shear Zone. Four claims are within approximately 8 km of **Valor Resources Ltd**, and approximately 20 km south of **Baselode Energy** Hook claims. **Valor Resources** recently completed an airborne Magnetometer & VLF-EM survey on entire Hook Lake Property. **Baselode Energy** recently completed a fixed-wing gravity survey on Hook claims delineating linear N-S gravity features that correlate with magnetics. An airborne radiometric & magnetic survey to follow. Demonstrated uranium potential on Dunn claims, with esker boulder trains with 69 radioactive boulders (up to 23,000 cps or 1% U). Boulder 80PE-35RB (heavily altered friable rock, regolith), in target area 22 on our claim ran **23,000 cps assaying 1.01% U**, 1100 ppm Pb, 602 ppm V, 265 ppm Th and 10 ppm Mo. Also 0.03-0.1% Ba. Egg-size, rusty, limonite boulders (thought to be regolith) from trenching on our property ran **5.79% U3O8 & 7.17% U3O8** respectively (Marline Oil Corp 1980). Airborne GEOTEM conductors, thought to be structurally controlled, run the length of the property (JNR Resources 2008). **Un-drilled Targets 22 and 2a** identified, with 2a up-ice of 22, and N-S structure & Mag Low on-trend with Baselode to the north. **Boron to 2708 ppm** in DDH PL-002 north of target **2a**. Ground or airborne Gravity survey recommended on structures identified by airborne GEOTEM flown on the property.

#### 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, .14% Cobalt and .22/% Copper over 2.7 Meters at the Gochager Lake Project.

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

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

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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### DEIGHTON LAKE (ROTTENSTONE)

Contact: [gdeexploration@gmail.com](mailto:gdeexploration@gmail.com)

Ph 778 953 5277

**Deighton Lake:** (Rottenstone) 3 Claims (good into May 2023) cover 2 historic DDH's drilled by Sherritt Gordon in 1968. 77m (254 ft) sulphide-mineralized zone returned 0.1% Ni, 0.11% Cu, 37.1% Fe, 0.06% Zn, 0.07% Co and 0.38 oz/ton silver (>10 g/t Ag). Includes gold & PGE mineralization potential. On fold axial plane synform, similar geology as Rottenstone (K.MacLachlan, 2005). Multiple undrilled conductors (1957) staked with no modern exploration performed. Contiguous to Fathom Nickel Inc (FNI) who recently (Q1 2021) raised \$11M and completed 9 DDH's, BHEM surveys, a gravity survey and heliborne Gradient Magnetic Survey over their 90,127 ha property. As well, Fathom analyzing for full suite PGE mineralization. This has yielded significant results for the four rare platinum group elements **rhodium, osmium, iridium and ruthenium.**

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