

September 2020

Northern Saskatchewan Mineral Exploration Highlights

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(306) 425-4778 | office@kcdc.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:

Announcements - Full Page - \$100 / Month

Full page announcements - ideal for companies making major company announcements, announcing of events, etc

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

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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@kcdc.ca or give us a call at (306) 425-4778

News

Released on August 27, 2020

Today, the Government of Saskatchewan announced \$31 million in funding for a Rare Earth Processing Facility in Saskatchewan – delivering on a key element of the 2030 Growth Plan.

The facility will be owned and operated by the Saskatchewan Research Council (SRC). It will be the first-of-its-kind in Canada and will begin to establish a Rare Earth Element (REE) supply chain in Saskatchewan, forming an industry model for future commercial REE resource expansion in the province. REE metals are naturally occurring minerals that are essential to the modern global economy and economic development.

Global demand for REEs will increase significantly in the coming decade as demand for electric vehicles, renewable power generation and all forms of electronics increases

“Saskatchewan’s new Rare Earth Processing Facility will be a catalyst to stimulate the resource sector in Saskatchewan and across Canada, providing the early-stage supply chain needed to generate cash-flow, investment and industrial growth of the sector,” Premier Scott Moe said. “It will also help ensure the competitiveness of Saskatchewan as we focus on our economic recovery and grow our province over the next decade.”

“Saskatchewan has a globally recognized mining industry, workforce and culture with local companies already beginning to explore REE deposits both in Saskatchewan, and in surrounding provinces and territories,” Minister Responsible for SRC Jeremy Harrison said. “This facility will allow the REE industry to grow and create both immediate and long-term jobs.”

The conversion of REE ore to individual REE products is done in two main stages. The first is the concentration of ore to mixed REE Carbonate. The second is the more complex separation stage that converts the mixed REE Carbonate to commercial pure-grade REEs. The facility will address both stages of REE processing.

The facility is expected to be fully operational in late 2022 with construction beginning this fall.

SRC is Canada’s second largest research and technology organization. With more than 290 employees, \$91 million in annual revenue and nearly 75 years of experience, SRC provides services and products to its 1,500 clients in 27 countries around the world. More information at <http://www.src.sk.ca/REE>

Commodities at a Glance

Rare Earth Elements (REE'S)

Appia Energy Corp. provided a summary on the Company's high-grade rare earth element ("REE") Alces Lake property. Since detailed exploration began at Alces Lake in 2017, a total of seventy-four (74) REE and uranium-bearing surface zones and occurrences of the REE and U minerals system(s) have been discovered on the Property. To date, less than 15% of the Property surface has been explored on the ground. The zones all share numerous similarities with each other; high REE grades (>2 wt% total rare earth oxides, "TREO") are hosted within both biotite-rich quartz-feldspathic pegmatites and/or thick biotite-rich pods ("cores"), and low-grade REE mineralization (<2 wt% TREO) are hosted within quartz-feldspathic pegmatites with very little biotite present ("halos"). Appia uses the geological information from the low-grade halos to target the high-grade cores. Surface channel and diamond drill samples from within six zones (Bell, Charles, Dante, Dylan, Ivan, Wilson) return an average composite grade of 16.65 wt% TREO (see Table 1). The Ivan zone, in particular, hosts some of the highest grades observed on the Property. Surface mineralization from the Ivan zone returned up to 53.01 wt% TREO over 1.97 m, or ~85% monazite, i.e., the mineral hosting the REEs. Diamond drill hole IV-19-012 intersected 16.06 wt% TREO over 15.55 m, including 49.17 wt% TREO over 3.70 m. Critical elements required for rare earth magnets (neodymium, praseodymium, dysprosium and terbium) account for between 23% and 25% of the TREO. Rare earth magnets are used in a wide range of modern technological applications. Hence, the rare earth magnet industry is projected to grow rapidly over the next 30 years in-line with the adoption of electric vehicles and wind turbines, in particular. The Minerals System has been discovered as far as 12 km away from the Company's previous areas of diamond drilling, and the cumulative showings represent approximately 10 km of a 45 km-long regional strike length. The scale and high number of surface discoveries suggests the Minerals System is widespread at surface, but it is not readily detectable by eye or other surface geophysical methods due to overburden cover. The Company believes that the Minerals System is even more connected, widespread, and voluminous beneath the surface. Appia has started mobilizing for **Phase 2** exploration on the **Alces Lake** property, which will include diamond drilling geological and geophysical targets, additional AMT geophysical survey coverage, excavated overburden removal and outcrop washing in areas of interest. The exploration permits are in-hand to begin this work.

Appia Energy Corp has announced surface sample assay results from the recently completed Phase 1 exploration program.

Highlights

Ermacre: 4.209 wt % TREO and 0.012 wt % gallium oxide from outcrop grab sample

Oldman (Line 2): 1.117 wt % TREO and 0.011 wt % gallium oxide over 4.69 m channel sample length including 2.609 wt % TREO over 1.67 m

Ken: 0.591 wt % TREO from outcrop grab sample

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Ermacre is located 600 m NW of the Charles Zone. The Oldman and Ken occurrences are located 6.5 and 7.5 km SW of the Charles-Wilson Zones.

Commodities at a Glance

Gold

Eagle Plains Resources Corp and **SKRR Exploration Inc** have entered into a formal option agreement whereby SKRR will purchase a 100% interest in the **Manson Bay South** claims. The purchase is coincident with SKRR's purchase of 4 adjoining claims (Manson Bay) from Edge Geological. The claims are located 40 km NW of Flin Flon.

Manson Bay South includes gold-silver-copper-zinc showings. **Manson Bay** includes the Manson Bay Gold Zone, 660,000 t @ 0.1 oz/t Au (3.49 g/t Au).

MAS Gold Corp reports that **Southern Empire Resources Corp** has agreed to advance funds to **MAS Gold Corp** so that permitting and consultation for their 2020-2021 La Ronge Gold Belt exploration program can be initiated. Drilling is slated for Fall 2020.

Highlights

5,500 m drilling proposed for the **Greywacke North** and **North Lake** gold deposits.

An additional 3,800 m of drilling targeting other exploration targets on the **Greywacke Lake Property** and the **Preview North Property**.

Searchlight Resources Inc has staked 25 claims covering 184.7 sq. km for a total of 59 claim blocks covering 314.2 sq. km within 40 km of **Flin Flon**.

Searchlight considers the **Flin Flon Greenstone Belt in Saskatchewan** as one of the most under explored high value mineral exploration regions in Canada for gold and VMS.

Southern Empire Resources Corp announced they have now entered into a definitive agreement whereby Southern Empire has agreed to acquire all the issued and outstanding common shares of **MAS Gold**.

MAS Gold has two advanced stage gold deposits with NI43-101 mineral resources located in the La Ronge Gold Belt.

-The **North Lake Gold Deposit** containing 417,000 oz Au is comprised of an Inferred Mineral Resource of 14,110,000 t @ 0.92 g/t Au

-The **Greywacke North Gold Deposit** containing 95,600 oz Au is comprised of an Indicated Mineral Resource of 255,500 t @ 9.92 g/t Au and an Inferred Mineral Resource of 59,130 t @ 7.42 g/t Au.

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Taiga Gold Corp has received a quarterly report from option partner **SSR Mining Inc**.

2020 Highlights

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-Drilling at **Abel Lake** returned 12.13 g/t Au over 1.5 m

-Additional high-grade intercepts at **Mac North** including 9.1 g/t Au over 1.92 m

-Partial results remain outstanding for over half the holes from the winter drill program.

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Taiga Gold Corp and “**PrivCo**” have executed a formal agreement whereby PrivCo has an option to earn a 60% interest in Taiga’s **SAM** project, located 15 km west of Flin Flon and 10 km NW of the past-producing Flexar and Birch Lake Mines.

7 documented mineral occurrences are reported on the property including both orogenic gold and VMS-style copper-zinc mineralization.

Copper Reef Mining Corp has changed its name to **Voyageur Mineral Explorers Corp**. Voyageur is a junior mineral exploration company with a specific focus on base metal and gold properties in NW Manitoba and NE Saskatchewan.

Silver

Rio Tinto Exploration Canada Inc has commenced drilling at Forum’s **Janice Lake Sedimentary Copper/Silver Project**.

A Rotary Air Blast (RAB) drill has started investigating historic and newly mapped regional copper showings, and recently developed geophysical targets buried by overburden, to help delineate the extent of sedimentary-hosted copper-silver mineralization over the 52 km length of the Property.

Construction continues at the Burbidge Lake camp, geology crews continue mapping and sampling outcrop, soils and vegetation and the geophysical crew has completed its IP Resistivity survey over the **Jansem Deposit**.

Diamonds

Star Diamond Corp has announced the results from the second of ten bulk sample trenches that were excavated by RTEC on the **Star Kimberlite** in 2019.

A total of 2,409 diamonds weighing 123.27 carats were recovered from 19FALCT004. The 3 largest diamonds recovered to date from 19FALCT004 are 2.98, 2.03 and 1.99 carats. The results are similar to the overall weighted average grade (14 cpht) reported in Star Diamond’s PEA of the **Star** and **Orion South** kimberlites.

Base Metals

ALX Resources Corp has entered into an option agreement with **Rio Tinto Exploration Canada Inc** on the Company’s **Falcon Nickel Project** located NW of Stony Rapids. ALX and Rio Tinto have mutually agreed to change the name of the project to the **Firebird Nickel Project**.

Rio Tinto may acquire up to an 80% interest in Firebird by incurring a total of \$12 million in exploration expenditures over six (6) years.

Rio Tinto is planning an airborne electromagnetic (EM) survey over the northern part of Firebird in order to meet its initial Expenditure Commitment. The airborne survey will cover approximately 8,000 ha (19,700 acres) of the Project that have never been surveyed with modern airborne methods, including the **Wiley Lake** nickel showing area where ALX recently drilled up to 1.31% Ni in outcrop using a hand-portable drill, and collected grab samples ranging up to 2.43% Ni.

Commodities at a Glance

Forum Energy Metals Corp report that **Rio Tinto Exploration Canada Inc** has commenced drilling at Forum's **Janice Lake Sedimentary Copper/Silver Project**.

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Murchison Minerals Ltd has acquired by staking two additional claims totalling 6,187 ha north and north-east of the **Brabant Lake VMS Project**. The new mineral claims are titled the **May Lake** and the **Cunning Lake** claims.

Murchison intends to prospect the new areas utilizing GDD's BEEP MAT technology.

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Rockridge Resources Ltd has amended the option agreement with **Eagle Plains Resources** on the **Knife Lake Project** whereas the due date on the second anniversary of exploration expenditures has been extended an additional six months from January 2, 2021 to July 2, 2021.

-2019 diamond drilling plus historical drill core provided data for completion of the first NI43-101 for the **Knife Lake Deposit**.

-Knife Lake is a near-surface VMS deposit and remains open at depth and on-strike.

-Indicated Mineral Resources of 3.8 Mt @ 1.02% CuEq (0.83% Cu, 3.7 g/t Ag, 0.097 g/t Au, 82 ppm Co, 1740.7 ppm Zn).

-Inferred Mineral Resources 7.9 Mt @ 0.67 % CuEq (0.53% Cu, 2.4 g/t Ag, 0.084 g/t Au, 53.1 ppm Co, 1454.9 ppm Zn)

Searchlight Resources Inc has staked 25 claims covering 184.7 sq. km for a total of 59 claim blocks covering 314.2 sq. km within 40 km of **Flin Flon**.

Searchlight considers the **Flin Flon Greenstone Belt in Saskatchewan** as one of the most under explored high value mineral exploration regions in Canada for gold and VMS.

Transition Metals Corp has initiated field work on the **Wollaston Copper Project**. The project is located 60 km SW along strike from the Janice Lake Project, a sedimentary-hosted copper project being explored by Rio Tinto Exploration Canada and Forum Energy Metals.

Planned work consists of property scale geochemical sampling combined with mapping and sampling of the outcropping areas considered prospective for sedimentary-hosted copper mineralization.

Transition Metals Corp has completed a helicopter-supported, tree-top, biogeochemical survey over its **Wollaston Copper Project**. The survey included the collection of >600 bio-geochem samples on 500 m design spacing. In addition, several bedrock copper and zinc occurrences on the property were sampled resulting in the collection of 29 rock samples.

Commodities at a Glance

Copper Reef Mining Corp has changed its name to **Voyageur Mineral Explorers Corp**. Voyageur is a junior mineral exploration company with a specific focus on base metal and gold properties in NW Manitoba and NE Saskatchewan.

Uranium

Baselode Energy Corp has engaged Expert Geophysics Ltd to complete a 2600 line-km mobile magnetotellurics (mobile MT) heli-borne survey. The survey will cover the entirety of the **Shadow Property** of over 420 sq. km. The survey is expected to begin August 10, 2020.

Mobile MT is a cutting-edge geophysical technology which allows for the identification of geologic structures, alteration halos, contrasting lithologies and certain types of mineralization from near-surface to deeper than 1 km.

Baselode has expanded its land position at its Shadow uranium property based on the preliminary results of the Company's heliborne magnetotellurics survey (Mobile MT). The Shadow property now encompasses 46,000 ha (460 sq km).

Denison Mines Corp announced their Q2 2020 results.

Highlights

- Achieved independent "Proof of Concept" for application of In-Situ Recovery (ISR) mining method at the **Phoenix** uranium deposit on its **Wheeler River Project**.
- Resumed ISR field testing at the **Phoenix Deposit** with the commencement of the 2020 ISR field program.
- Completed conceptual mining study evaluating the ISR mining method for the **J-Zone** uranium deposit at **Waterbury Lake** and initiated a PEA.

ISO Energy Ltd has commenced the Summer 2020 drilling program at the **Hurricane Zone**.

Highlights

- 20 drill holes totalling 8,000 m
- Objective is to expand very strong uranium mineralization intersected in Winter 2020 drilling.

ISO Energy Ltd has reported new intersections of strong uranium mineralization in the initial drill holes of the summer program, expanding the high-grade uranium drilled in the winter 2020 program.

Highlights

- LE20-54: >500 cps over 9.0 m, including >30,000 cps over 4.0 m and OFF-SCALE over 0.5 m
- LE20-57: >500 cps over 10.0 m, including >40,000 cps over 2.5 m and OFF SCALE over 0.5 m.

Skyharbour Resources Ltd has commenced its 2020 Summer diamond drilling program at its 35,705 ha **Moore Uranium Project**, located 15 km east of Denison Mine's Wheeler River Project.

The Company is planning a 2500 m drill program in 7-9 holes to follow-up on the Winter 2020 drill program along the high-grade **Maverick Structural Corridor**.

Commodities at a Glance

Standard Uranium Ltd announced that drilling is progressing on the Phase 1, 2020 Summer drilling program at its 25,886 ha **Davidson River Uranium Project**. To date 6 holes have been completed.

Highlights

- Shallow depths from surface to Paleoproterozoic Basement rocks ranging from 70-111 m.
- Favourable basement rocks including variably strained graphite and sulphide-bearing garnetiferous gneisses.
- Several zones of polyphase structural disturbance, including cataclasite and breccia zones, fault zones and brittle-reactivated high strain zones.
- Concentrations of graphite and sulphide minerals within shear bands and high-strain zones throughout the basement rocks.
- Zones of hydrothermal alteration at depths greater than 300 m in the basement rocks and coincident major structures.

Drill holes will continue to be completed 100-200 m along-strike. The first batch of samples has been shipped to SRC for whole rock analysis.



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(LAF) La Ronge, Flin Flon



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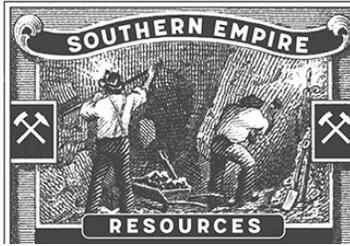
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(O) Other Regions



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APPIA ENERGY CORP

Appia has announced that drilling commenced and Phase 2 of the Summer exploration program is progressing at the **Alces Lake Property**.

Phase 2

-2,000-3,000 m of diamond drilling following the strike extension of the Wilson, Charles and Ivan Zones, and reconnaissance drilling on select geological and geophysical targets.

-Additional ground prospecting, mapping and sampling.

-Excavated overburden removal and outcrop washing.

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COPPER-GOLD-SILVER CLAIMS FOR OPTION

FLIN FLON/CREIGHTON CAMP

The (DR) Claims, are located 35 km south of Flin Flon/Creighton and comprise 4 key claims that total 2115 ha (5226 acres) which are all in good standing into 2022, part of a larger group of 9 claims totaling 4614 ha held by the partnership. The 4 key claims were covered by the airborne TDEM, Magnetic and Gravity surveys flown by the Saskatchewan Government in 2018 (GSC Open Files 8440 & 8443). There are only a couple of historic holes on the DR claims. On MC00010625 historic DDH S-00-01 drilled in 2000 intersected 20.6 m (67.6 ft) of disseminated, veinlet and stringer pyrite-pyrrhotite-chalcopyrite mineralization between 97.8 and 118.4 m in chloritized basalt. Assays to 2.1% Cu, 0.3% Zn and 10 g/t Ag were reported (no gold assays). During 2019 the DR partners conducted MMI sampling targeting the airborne anomalies and identified anomalous VMS suite zones as well as coincident Copper-Gold-Silver MMI anomalies over 100 m widths and 200 m lengths (OPEN). On claim MC00014165 historic DDH NER 155 was drilled in 1998, encountering a silicified dacite tuff and dacite flow. The rock has been pervasively silicified, about 10%, with 50% chlorite and 10% pyrite, 10% pyrrhotite and tr chalcopyrite noted. Appearance of quartz eyes and flow breccia. Gold anomalous over > 3m or 10 ft (up to 5.01 g/t Au/0.8 m) and silver anomalous over >19 m or 62 ft (up to 2.06 g/t Ag / 0.46 m). NOTE 11.3 m lost core not assayed in gold/silver zone. Subsequently, the 2018 airborne survey delineated this new zone over multiple flight lines as well as additional potential gold/silver zones on the claim. Please email Gary Dunn @ gdeexploration@gmail.com for the reports, or call 1 778 953 5277

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

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

Diamond Drill For Sale

Longyear 38 Diamond Drill for Sale, good condition ready to go to work.

Located in La Ronge, Saskatchewan

- Mounted in drill shack, additional fly in frame included with tooling and spares.
- Approximately 600 Ft. NQ rods and 100 feet of casing.
- Lots of spare parts including drill bits / mud / consumables
- 4-cylinder turbo John Deere diesel engine.
- 420 Bean pump / 20 Foot mast with basket
- Can send email with pictures of drill and extras upon request.

\$49,000

(250) 318-7306

ckcash2@yahoo.ca

Chris Knudsen

La Ronge Belt Claims for Option or Joint Venture Partner

The Alligator Project is situated approximately 165 km northeast of LaRonge, 100% owned and operated by Alligator Resources Ltd. The two claims total 1307 HA and are protected until 2029. The claims are near an all season highway, local power lines and communities.

Historical surface geology work along with drill results have provided encouraging gold enriched structures along the Broken Hammer and Radiant shear zones, with high grade gold values between 0.276 and 2.95 oz/tonne. This property is “drill ready” with drill targets identified based on previous drill programs and the 2019 surface geology program

Alligator Resources is looking for a strategic partner to assist in determining the full value of this property.

For further information including reports, please email:

Alligatorresources@gmail.com

Attention: Dan Jiricka



WOLLASTON BELT CLAIMS FOR OPTION

Four un-drilled mineral claims totaling 2903 ha (7170 acres) in good standing into 2022. The claims staked to cover the graphite-bearing pelitic horizon and “tied-onto” Rio Tinto Exploration Canada (RTEC) recent staking who are currently mapping and sampling the entire 51 km length of the Janice Lake copper/silver Property, and Skyharbour Resources Ltd’s Yurchison Base Metal Project. Drill holes within 3 km on-trend & highly anomalous in Cu, Co, Ag, Ni, Mo, Zn, ThO₂, Vanadium and Boron (2708 ppm). Lake sediments under Pendleton Lake anomalous in U, Mo, Cu, Pb, Zn and Ni. Also demonstrated uranium potential with highly anomalous Pendleton Lake uraniumiferous boulder train (>10,000 cps) and rusty, limonite pebbles (regolith) from trenching on the property that ran 4.91 & 6.08 % U respectively (1980). Undrilled airborne EM conductors run the length of the property.

Please email: gdeexploration@gmail.com or call 1 778 953 5277.

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fissionuranium.com



Denison Mines
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Saskatoon, SK S7K 0E9
(306) 652-8200
denisonmines.com



Eagle Plains Resources Ltd.
Suite 200, 44 - 12th Ave S
Cranbrook, BC V1C 2R7
1-866-486-8673
eagleplains.com



Orano Canada Inc
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Saskatoon, SK S7L 5X2
(306) 343-4500
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TerraLogic Exploration Inc.
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www.terralogicexploration.com



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hubbayminerals.com



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<https://www.isoenergy.ca>



CanAlaska Uranium Ltd.
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AJG EXPLORATION LTD.

AJG Exploration Ltd.
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ajgexploration.com



Little Rock Enterprises Inc.
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La Ronge, SK S0J 1L0
(306) 425-3715
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Porcupine Plain, SK S0E 1H0
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Email: popine@sasktel.net



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(604) 538-4574
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Bay 120, 335 Packham Ave. - Saskatoon, SK S7N 4S1
(306) 242-8008
athabascacatering.com



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