Appia Announces Exploration Update and Completion of Record 2022 Drilling Program of 17,481 Metres at Alces Lake Rare Earth Property, Northern Saskatchewan

written by Raj Shah | July 26, 2022

July 26, 2022 (Source) – **Appia Rare Earths & Uranium Corp. (CSE: API) (OTCQX: APAAF) (FSE: A0I.F) (FSE: A0I.MU) (FSE: A0I.BE) (the "Company" or "Appia")** is pleased to announce that the Company has completed the initial phase of the 2022 drilling / exploration program on the 100%-owned Alces Lake high-grade rare earth elements and gallium property, Athabasca Basin area, northern Saskatchewan.

Highlights:

- **Record metreage (17,481 metres) drilled in record time (4 ½ months)**
- **Additional delineation drilling on the high-grade mineralization in WRCB discovery including previously undrilled monazite targets at Danny and Wilson/Wilson North**
- **Initial delineation drilling on the discoveries at Magnet Ridge (formerly Augier) and Magnet Ridge West included 44 holes and a total 7,344 metres drilled**
- **First drilling on highly prospective anomalies at the West Limb (see map, Figure 1)**
- **Drilling on the Western Anomaly at Sweet Chili Heat,**

Diablo and Buffalo to follow-up on 2021 assay results

- **A new high resolution aerial survey program of 4,864 line km (radiometric and aeromagnetic) to be flown over the new Alces Lake claims added in 2021**
- **Planning commenced for upcoming 2022/23 uranium exploration activities**

Frederick Kozak, President of Appia said, “Building on our experience of 2021 at Alces Lake, Appia got an early start in March on the planned 2022 drilling program. Kudos to the entire team of drillers, helpers, camp support and the geology team for this record accomplishment. Appia drilled more than double the 2021 metreage in less time than the previous year’s program. We have accomplished all of our initial phase drilling goals and now eagerly await assay results to plan the next phase of drilling. New high resolution aerial geophysics will be flown soon and this will also add to the inventory of potential exploration targets at Alces Lake.”

Table 1: Summary of Alces Lake 2022 Drilling Activity

Target	Metres Drilled	Holes Drilled
WRCB	6,555.5	37
Danny	387.0	2
Strocen	1,044.0	5
Hinge	183.0	1
Magnet Ridge	5,318.1	34
Magnet Ridge West	2,025.9	10
West Limb	1,014.9	6
Western Anomaly:		
Sweet Chili Heat	393.0	2
Diablo	393.0	2

Buffalo	166.5	1
	17,480.9	100

Appia has completed drilling of 100 holes in 2022 for a record total of 17,480.9 metres. This was accomplished in just four and a half months, as compared to the 2021 program which took over five months to drill 8,076 metres and 100 holes. The exceptional drilling progress resulted in Appia achieving the drilling goals much faster than anticipated. The last of the core samples for assay are being prepared before being sent out to the two labs which are processing the Alces Lake samples. Appia anticipates receiving assay results from the early part of the 2022 drilling program in the near future and will evaluate and analyze these in-house prior to public release.

In the 2022 drilling program, a total of 37 holes were drilled into WRCB to continue delineation of the high-grade REE mineralization and also delineate previously undrilled targets in Danny (adjacent to WRCB) as well as additional drilling into the Wilson/Wilson North zone. New WRCB drilling also extended the trend of the REE mineralization by approximately 120 metres along strike to a total of 280 metres of strike-length mineralization. The WRCB accumulation remains open in both the northwest and southeast directions.

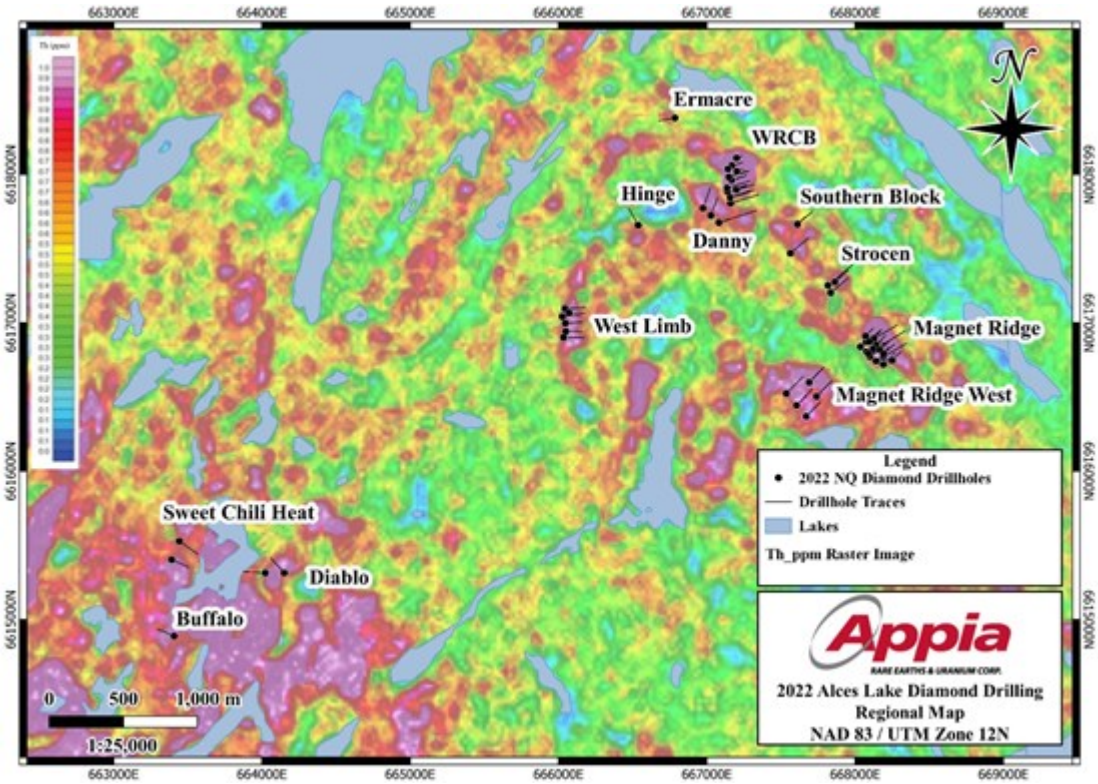

Figure 1: 2022 Drilling Locations

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/131928_1f5d869e04437891_005full.jpg

The most significant new drilling in 2022 was in the Magnet Ridge (previously Augier) area, located approximately 1.5 kilometres south-southeast of WRCB on a well defined regional geologic corridor. A total of 34 holes (5,318 metres) were drilled into the primary Magnet Ridge target that outcrops on surface. A nearby (and possibly geologically related) prospect on Magnet Ridge West saw another 10 holes (2,025.9 metres) drilled. The rocks in these two prospects appear to be geologically similar to the 2021 discovery AMP zone at WRCB, which also outcrops on surface. Appia is waiting on Magnet Ridge and Magnet Ridge West assay results to evaluate and analyze these exciting new zones.

Drilling on-trend and in-between WRCB and Magnet Ridge was also

conducted, with 5 holes and 1,044 metres of drilling done, primarily at the Strocen prospect.

Keying off results in the WRCB-Magnet Ridge trend on the eastern limb of the large regional fold at Alces Lake, Appia conducted the first drilling program on the previously undrilled West Limb. Six holes with a total of 1,014.9 metres were drilled and encountered indications of elevated radioactivity. Lastly, drilling of five holes was conducted on the Western Anomaly. Following up on the 2021 assay results for this new exploration area, two holes (393 metres) were drilled at Sweet Chili Heat, two holes (393 metres) at Diablo and one hole (166.5 metres) at Buffalo. Mineralization was encountered in all three target areas and assay results will be analyzed and evaluated once received, however it is clear that more work needs to be done to better understand these accumulations of rare earth elements.

Update on 2022 Exploration Program

Alongside the record Alces Lake drill program Appia conducted a prospecting and sampling program to continue evaluating the properties extensive inventory of radiometric anomalies. Some of the 2022 drilling, notably the West Limb, came about as a result of the field work done early in the 2022 season as shown in Figure 2 below.

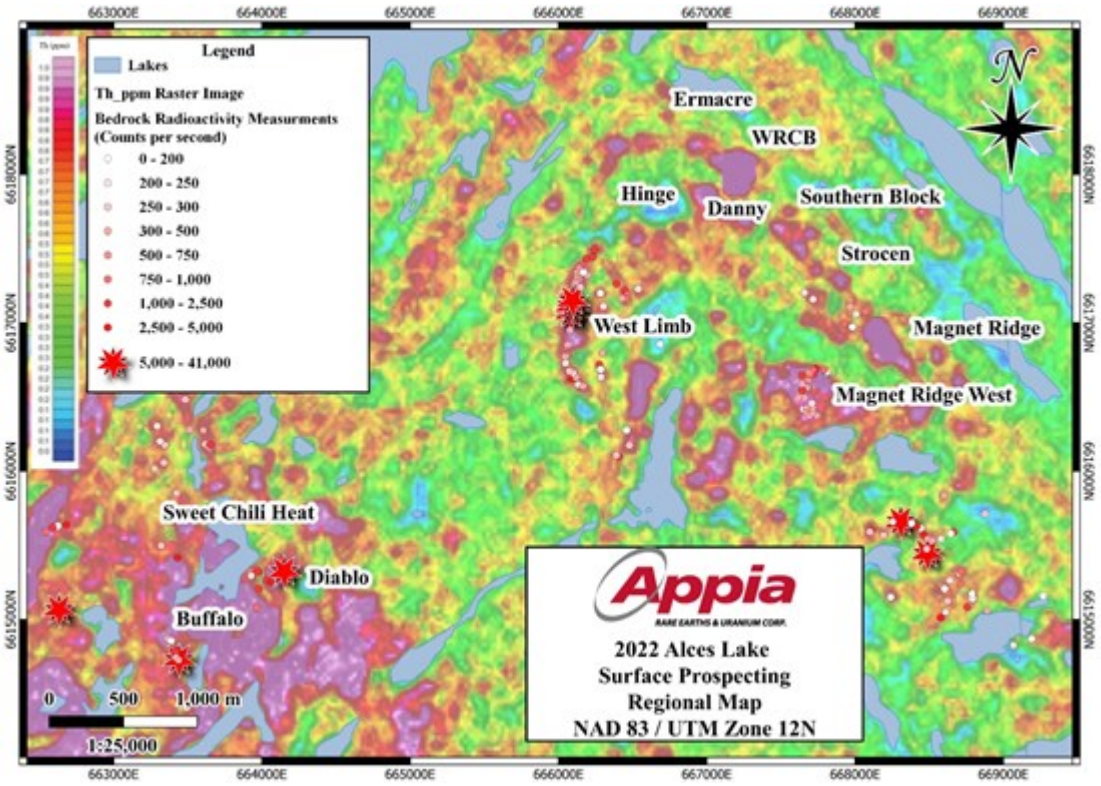

Figure 2: 2022 Field Exploration Areas of Anomalous Radioactivity

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/131928_1f5d869e04437891_006full.jpg

Following the results of the 2021 aerial geophysics survey, Appia more than doubled the acreage of the Alces Lake claims blocks. Appia is about to embark on a total 4,864 line km of high resolution radiometric and aeromagnetic surveys over three unsurveyed sections of the Alces Lake block. The northwest portion of the block has a planned 2,152 line km, the south portion of the block will have 2,487 line km surveyed and the eastern side of the claims block will have an additional 225 line km collected. The aerial surveys are expected to be completed in August 2022, weather permitting.

Appia also expects to provide an update in the near future on plans for the 2022/23 uranium exploration program on the claims

blocks located on the eastern edge of the Athabasca Basin.

Update on Maiden Resource Estimate

As previously disclosed, Appia is working towards a maiden resource estimate for the area. Industry delays through 2021 continue into 2022 for receipt of assay results. Appia has engaged the services of a second assay lab to process the increased volume of samples that were generated by the 2022 drilling program. It is expected that the maiden resources estimate will initially be for the WRCB and Magnet Ridge areas. Timing of the report has yet to be determined but is likely closer to the end of Q1/2023, depending on industry activity.

About the Alces Lake Project

The Alces Lake project encompasses some of the highest-grade total and critical* REEs and gallium mineralization in the world, hosted within several surface and near-surface monazite occurrences that remain open at depth and along strike.

* Critical rare earth elements are defined here as those that are in short-supply and high-demand for use in permanent magnets and modern electronic applications such as electric vehicles and wind turbines (i.e: neodymium (Nd), praseodymium (Pr), dysprosium (Dy) and terbium (Tb)).

Appia’s 2022 drilling program at Alces was designed to drill significantly deeper holes compared to the 100 holes (approximately 8,076 metres) drilled in 2021 to allow Appia to determine continuity at depth and along the identified REE mineralization trends as the company works towards a maiden resource estimate to be prepared in accordance with NI 43-101 for the area. With high-grade REE mineralization now identified in many locations within an area covering approximately 27 km^2 of the Alces Lake block, the Company believes the project has the

potential to be a world-class source of high-grade critical rare earth bearing monazite.

The Alces Lake project is located in northern Saskatchewan, the same provincial jurisdiction that is developing a “first-of-its-kind” rare earth processing facility in Canada (currently under construction by the Saskatchewan Research Council and scheduled to become operational in early 2023). The Alces Lake project area is 35,682 hectares (88,173 acres) in size and is 100% owned by Appia.

To ensure safe work conditions are met for the workforce, the Company has developed exploration guidelines that comply with the Saskatchewan Public Health Orders and the Public Health Order Respecting the Northern Saskatchewan Administration District in order to maintain social distancing and help prevent the transmission of COVID-19.

All lithogeochemical assay results were provided by Saskatchewan Research Council’s Geoanalytical Laboratory, an ISO/IEC 17025:2005 (CAN-P-4E) certified laboratory in Saskatoon, SK. All analytical results reported herein have passed internal QA/QC review and compilation.

The technical content in this news release was reviewed and approved by Dr. Irvine R. Annesley, P.Geo, Advisor to Appia’s Board of Directors, and a Qualified Person as defined by National Instrument 43-101.

About Appia

Appia is a Canadian publicly-listed company in the rare earth element and uranium sectors. The Company is currently focusing on delineating high-grade critical rare earth elements and gallium on the Alces Lake property, as well as exploring for high-grade uranium in the prolific Athabasca Basin on its

Otherside, Loranger, North Wollaston, and Eastside properties. The Company holds the surface rights to exploration for 105,026 hectares (259,525 acres) in Saskatchewan. The Company also has a 100% interest in 12,545 hectares (31,000 acres), with rare earth element and uranium deposits over five mineralized zones in the Elliot Lake Camp, Ontario.

Appia has 123.1 million common shares outstanding, 141.3 million shares fully diluted.

Cautionary Note Regarding Forward-Looking Statements: *This News Release contains forward-looking statements which are typically preceded by, followed by or including the words "believes", "expects", "anticipates", "estimates", "intends", "plans" or similar expressions. Forward-looking statements are not a guarantee of future performance as they involve risks, uncertainties and assumptions. We do not intend and do not assume any obligation to update these forward- looking statements and shareholders are cautioned not to put undue reliance on such statements.*

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