

Appia Announces Assay Results of the Alces Lake Western Anomalies Drilling Campaign

written by Raj Shah | April 4, 2023

April 04, 2023 ([Source](#)) – Appia Rare Earths & Uranium Corp. (CSE: API) (OTCQX: APAAF) (FSE: A0I0) (FSE: A0I0.F) (FSE: A0I0.MU) (FSE: A0I0.BE) (the “Company” or “Appia”) is excited to announce the release of assay results from 2022 diamond drilling of various regional exploration targets at its 100%-owned Alces Lake Rare Earth Elements (REES) Property, Northern Saskatchewan.

Final assays for Appia’s 2022 Alces Lake diamond drilling program have been received, compiled, and interpreted zone-by-zone, the third (and final) set of results is reported here. In 2022, The Company completed an extensive diamond drilling campaign of regional exploration targets. Targets were identified primarily through the interpretation of the company’s 2021 Airborne Radiometric (U, Th, K) survey in conjunction with its 2021 and 2022 prospecting results. Table 1 below highlights the most significant geochemical assay results from the regional drilling program. Table 2 provides the collar information for all of the drill holes from the 2022 regional diamond drilling program. The complete assays results are available in Table 3 by clicking on this [link](#).

The Magnet Ridge West Target (Figures 1 and 2), first identified and drilled in 2022, returned multiple intervals of a REE (monazite-bearing) mineralization over significant drill widths, including:

- 15.78m @ 0.201 wt.% TREO from hole 22-MRW-005

- **6.29m @ 0.253 wt.% TREO** from hole 22-MRW-006
- **10.12m @ 0.145 wt.% TREO** from hole 22-MRW-009
- Follow-up drilling is warranted

The West Limb area (Figures 1 and 3), where Appia recently reported a discovery of massive monazite at surface, returned **2.07m @ 0.447 wt.% TREO** from hole 22-WEL-004. And from the large Western Anomaly area (Figures 1 and 4), DDH 22-WES-003 returned 8.31m @ 0.123 wt.% TREO.

“Combined with the recently released results from the WRCB’s high-grade Wilson Zone ([See March 2nd, 2023 News Release](#)) and the extension of the Magnet Ridge Zone’s thick sequences of REES near surface over significant strike length and drilled widths exceeding 28 metres ([See March 20th, 2023 News Release](#)), Appia’s 2022 work season produced excellent results and further established Alces Lake as the Company’s priority project,” stated Stephen Burega, President.”

He continued, “Follow-up geophysical and geochemical surveys are planned along and across the highest-priority areas of Alces Lake’s major structural corridor that extends south-southeast from the main mineralized zones at WRCB to Magnet Ridge and continues for another 20 to 25 km. A highly focussed drilling campaign will test numerous targets to further delineating the continuity of mineralization controlled by this important structural corridor.”

Vice President, Exploration Irvine Annesley says, “The scale and extent of regional REE anomalies on the Alces Lake project provides us with numerous targets to test (drill) outside of the WRCB and Magnet Ridge areas. This clearly shows us that the Alces Lake area has a lot more mineralization to discover/uncover from surface to depth. Volume and tonnage is the intended result”.

Summary Table of Highlighted Drillhole Composites

Hole ID	From (m)	To (m)	Wt.% TREO	Drilled length (m)	ZONE
22-DAN-001	126.00	127.00	0.226	1.00	Danny
22-DAN-002	65.95	68.62	0.136	2.67	Danny
22-DAN-002	11.00	12.53	0.138	1.53	Danny
22-DAN-002	32.16	33.83	0.108	1.67	Danny
22-MRW-001	66.81	67.88	0.126	1.07	Magnet Ridge West
22-MRW-003	38.76	40.70	0.204	1.94	Magnet Ridge West
22-MRW-004	67.02	68.18	0.118	1.16	Magnet Ridge West
22-MRW-005	157.07	172.85	0.201	15.78	Magnet Ridge West
22-MRW-005	183.60	191.93	0.102	8.33	Magnet Ridge West
22-MRW-006	168.50	174.79	0.253	6.29	Magnet Ridge West
22-MRW-006	150.81	155.16	0.114	4.35	Magnet Ridge West
22-MRW-006	162.00	164.22	0.107	2.22	Magnet Ridge West
22-MRW-007	167.43	170.13	0.109	2.70	Magnet Ridge West
22-MRW-008	82.97	84.54	0.188	1.57	Magnet Ridge West
22-MRW-008	63.79	65.00	0.12	1.21	Magnet Ridge West

22-MRW-009	176.58	186.70	0.145	10.12	Magnet Ridge West
22-MRW-010	159.71	161.96	0.12	2.25	Magnet Ridge West
22-STR-002	39.72	42.65	0.141	2.93	Strocen
22-WEL-004	6.72	8.79	0.447	2.07	West Limb
22-WES-001	189.69	192.47	0.146	2.78	Western Anomaly
22-WES-002	85.12	86.40	0.119	1.28	Western Anomaly
22-WES-003	12.61	20.92	0.123	8.31	Western Anomaly
22-WES-003	24.95	26.25	0.12	1.30	Western Anomaly

Table 1. Highlighted assay composites from Alces Lake regional exploration targets. $wt.\% TREO = ([CeO_2 \text{ ppm}] + [Dy_2O_3 \text{ ppm}] + [Pr_6O_{11} \text{ ppm}] + [La_2O_3 \text{ ppm}] + [Nd_2O_3 \text{ ppm}] + [Sm_2O_3 \text{ ppm}] + [Eu_2O_3 \text{ ppm}] + [Gd_2O_3 \text{ ppm}] + [Tb_4O_7 \text{ ppm}] + [Ho_2O_3 \text{ ppm}] + [Er_2O_3 \text{ ppm}] + [Yb_2O_3 \text{ ppm}] + [Lu_2O_3 \text{ ppm}] + [Y_2O_3 \text{ ppm}]) / 10000$

Table 2 – Drill hole collar details for 2022 Regional drilling, including those of reported intercepts.

UTM NAD 83 Z-12

Hole ID	Easting	Northing	Elevation	Dip	Azimuth	Zone	Final Length (m)
22-DAN-001	667031	6617706	493	45	20	Danny	180
22-DAN-002	666976	6617773	495	45	17	Danny	207
22-HNG-001	666539	6617658	492	44	331	Hinge	186
22-MRW-001	667692	6616599	484	46	44	Magnet Ridge West	200.5
22-MRW-002	667691	6616598	484	61	43	Magnet Ridge West	206.97
22-MRW-003	667741	6616503	472	44	44	Magnet Ridge West	205.05
22-MRW-004	667741	6616503	472	60	44	Magnet Ridge West	216
22-MRW-005	667606	6616443	463	45	44	Magnet Ridge West	222
22-MRW-006	667607	6616444	463	55	45	Magnet Ridge West	252
22-MRW-007	667606	6616444	463	65	46	Magnet Ridge West	218.55
22-MRW-008	667537	6616524	469	45	46	Magnet Ridge West	228
22-MRW-009	667671	6616369	462	72	45	Magnet Ridge West	201
22-MRW-010	667671	6616369	462	54	45	Magnet Ridge West	210.03
22-STR-001	667818	6617252	487	43	50	strocen	294
22-STR-002	667863	6617278	487	43	50	Strocen	159
22-STR-003	667864	6617276	487	75	51	Strocen	216
22-STR-004	667836	6617203	485	45	50	strocen	162
22-STR-005	667837	6617205	485	44	50	strocen	213.03
22-WEL-001	666050	6616942	490	44	86	Western Limb	156
22-WEL-002	666047	6616997	492	44	86	Western Limb	150.39
22-WEL-003	666026	6617042	493	45	86	Western Limb	174
22-WEL-004	666034	6616901	487	44	91	Western Limb	189.81
22-WEL-005	666043	6617095	492	45	87	Western Limb	188.85
22-WEL-006	666071	6617066	492	44	90	Western Limb	156
22-WES-001	664022	6615313	434	43	274	Western Anomaly	201
22-WES-002	664150	6615314	419	44	322	Western Anomaly	189
22-WES-003	663409	6614884	453	45	294	Western Anomaly	166.5
22-WES-004	663443	6615528	425	45	125	Western Anomaly	219
22-WES-005	663392	6615404	433	45	114	Western Anomaly	174

To view an enhanced version of this graphic, please visit:

https://images.newsfilecorp.com/files/5416/161213_img.jpg

Table 3 – Assay Results for 2022 Regional Diamond Drill Holes – see link at beginning of news release.

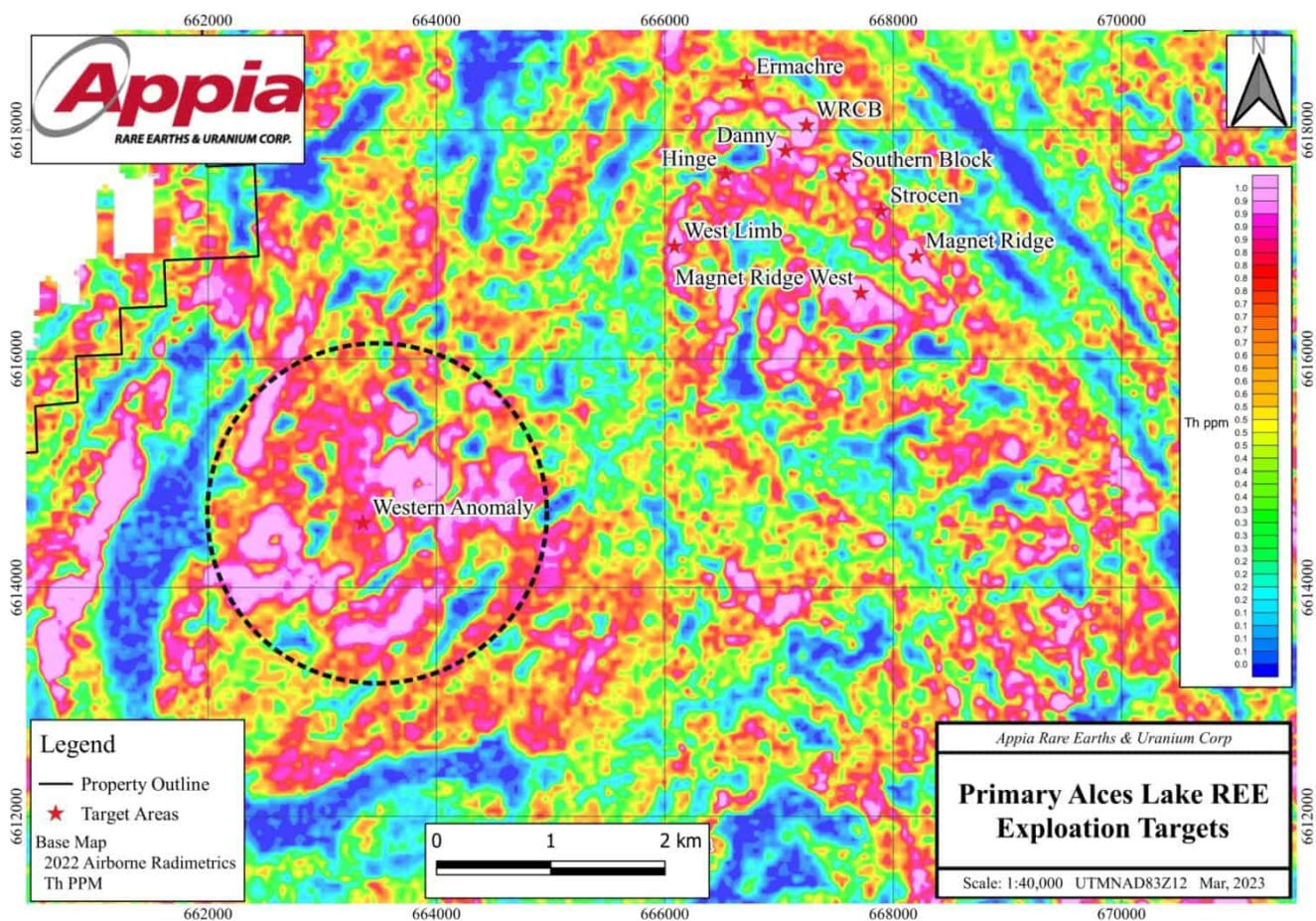


Figure 1. Map of primary REE (monazite-bearing) exploration targets on Appia's Alces Lake property

To view an enhanced version of this graphic, please visit:

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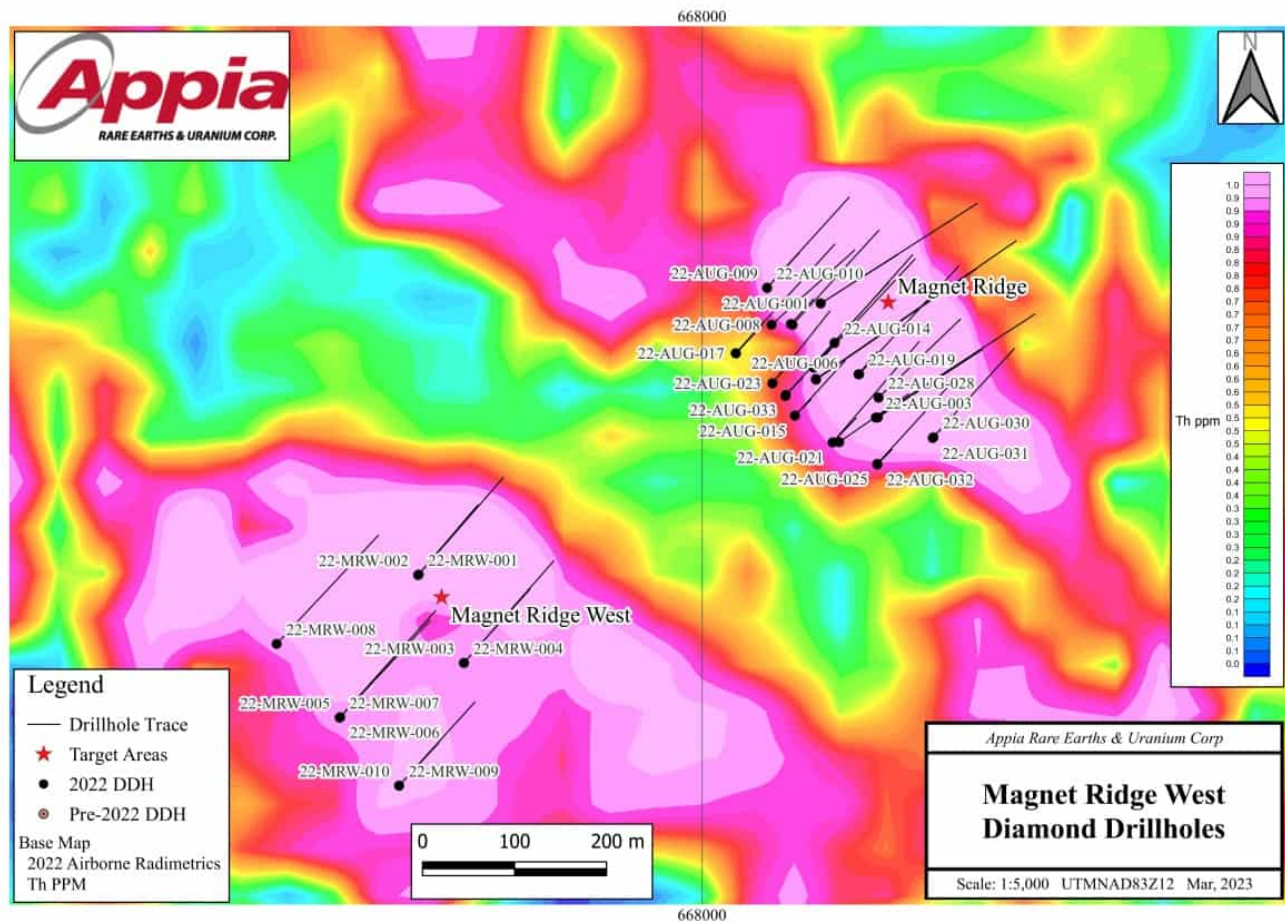


Figure 2. Map of 2022 diamond drillholes at Appia's Magnet Ridge West exploration target, west-southwest of Magnet Ridge.

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https://images.newsfilecorp.com/files/5416/161213_img2.jpg

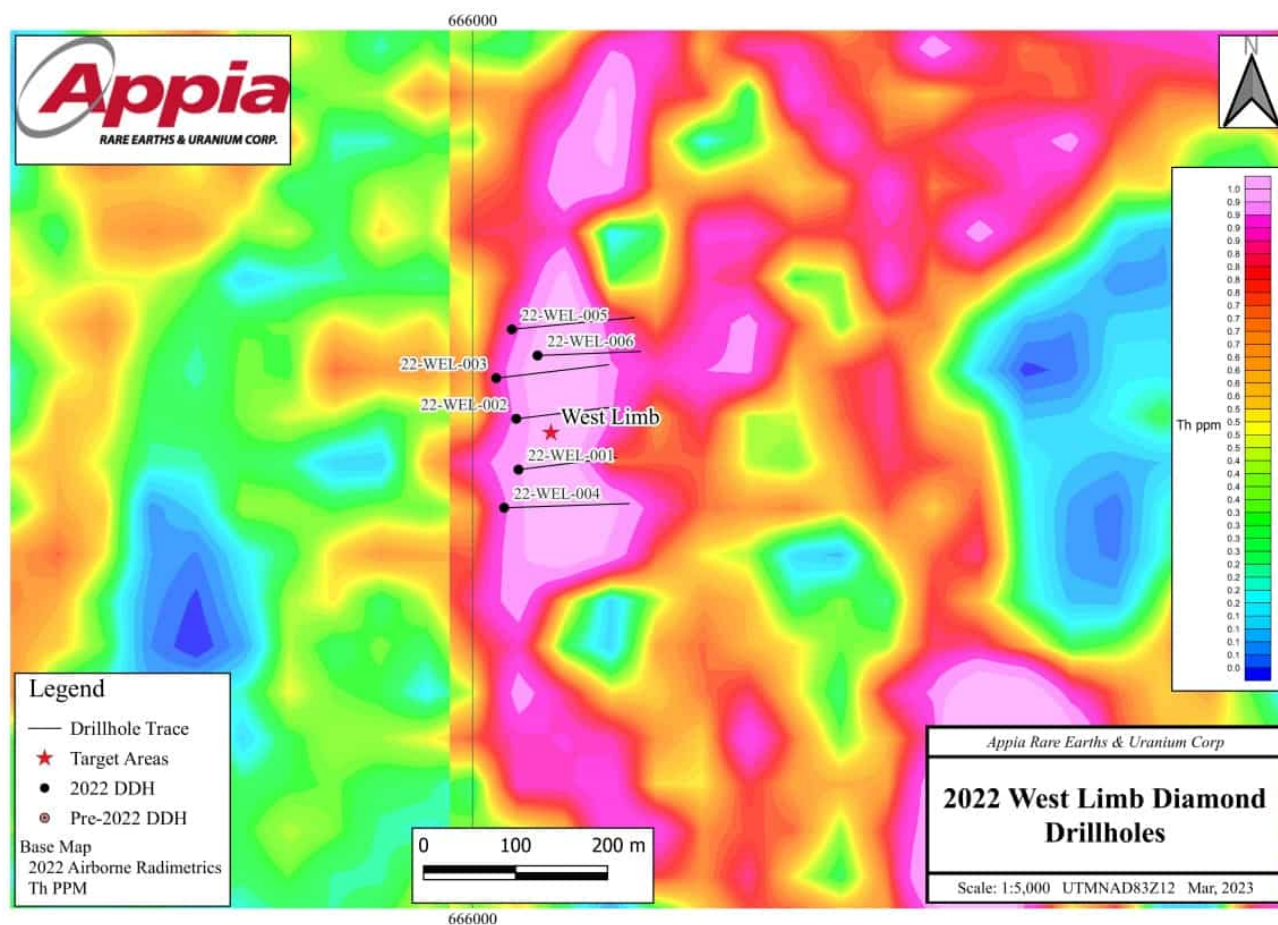


Figure 3. Map of 2022 diamond drillholes at Appia's West Limb exploration target.

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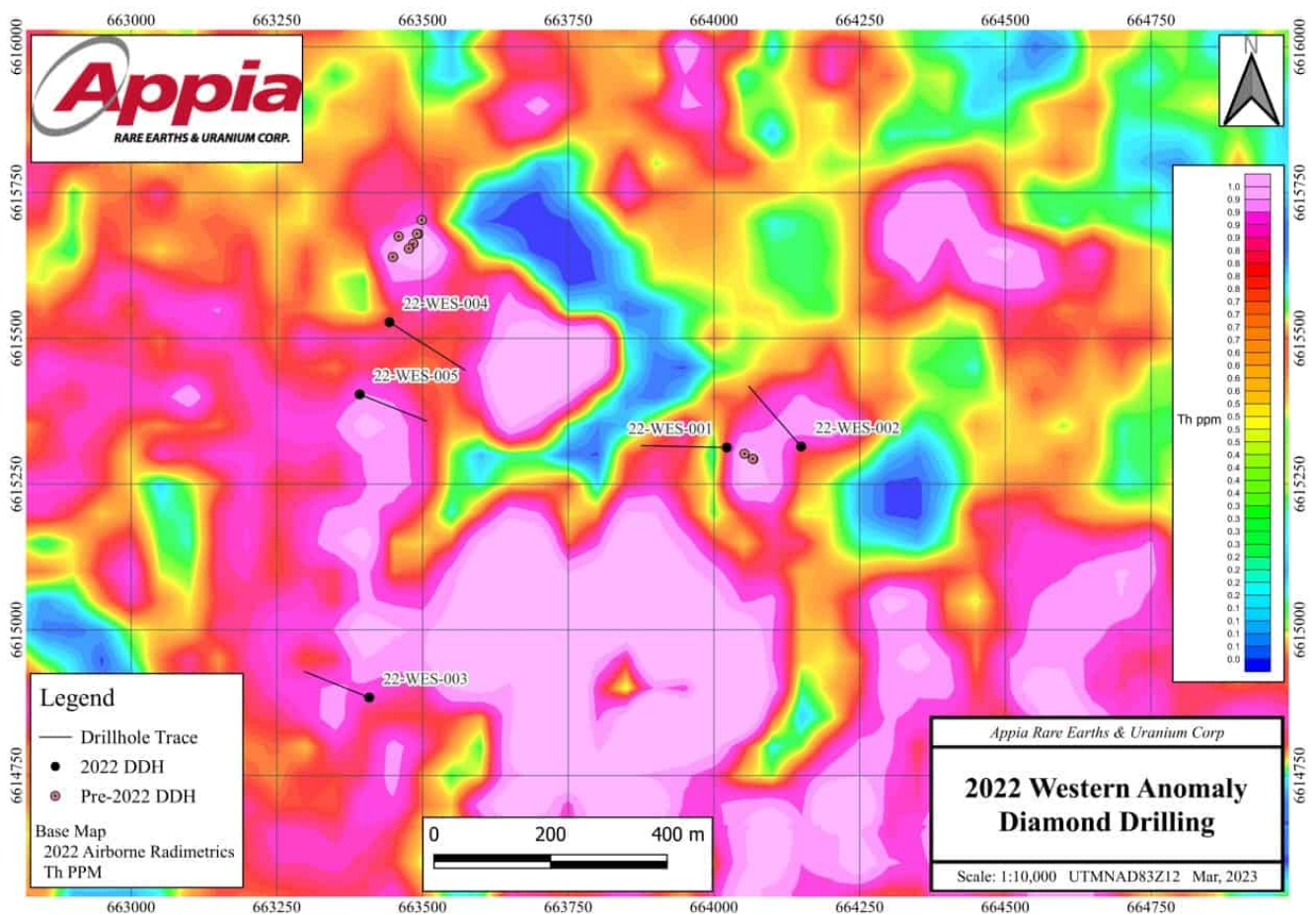


Figure 4. Map of 2022 diamond drill holes at Appia's Western Anomaly exploration target.

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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)).

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 fully operational in early 2024). The Alces Lake project area is 38,522.43 contiguous hectares (95,191.00 acres) in size and is 100% owned by Appia.

All lithogeochemical assay results of core samples 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, Vice President, Exploration, and a Qualified Person as defined by National Instrument 43-101.

About Appia Rare Earths and Uranium Corp (Appia)

Appia is a publicly traded Canadian 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 113,837.15 hectares (281,297.72 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 130.5 million common shares outstanding, 153.8 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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