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2021 Exploration Plans

The Company is planning to actively advance the Alces Lake property in 2021. Prior to the anticipated start of the summer exploration program, the Company plans to start bench-scale metallurgical testing at the Saskatchewan Research Council ("SRC") facilities using rock samples from the WRCB zone to:

- i) test physical separation of monazite from the host rocks,
- ii) to separate and produce isolated uranium oxide (U₃O₈),
- iii) to produce a mixed REE-carbonate, and
- iv) to eventually produce Nd and Pr oxides.
- v) A microprobe study is currently underway at SRC to determine the mineralogical host for the high-grade gallium observed within the Alces Lake rocks. The Company believes the host is monazite, and if so, gallium oxide extraction will also be investigated at SRC during the bench-scale metallurgical testing.

The suite of airborne and ground geophysical survey data that has been acquired on the property since 2011 are being re-analyzed and re-interpreted by three independent contractors and consultants. Each re-analysis is using different data sets, such as magnetic, electromagnetic ("EM"), gravity and audiomagnetotelluric ("AMT") geophysical results. The purpose of the re-analyses is to constrain and model the geophysical data sets to the current geological model defined by diamond drilling and surface mapping in an attempt to better locate and target high-grade mineralization.

Planned summer field activities, include:

- vi) a Property-wide airborne magnetic, EM and radiometric geophysical survey;
- ii) additional ground radiometric surveying and geological mapping, following along known mineralized trends and investigating new radiometric anomalies detected by the planned Property-wide airborne survey;
- vii) a minimum 4-km long ground AMT survey within the main geological hinge area that hosts the high-grade occurrences discovered to date; and
- iv) an aggressive diamond drilling program (at least 5,000 m) to explore the property for additional sub-surface high-grade REO occurrences.

Appia also plans to continue exploring the three Saskatchewan uranium projects