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Strategic Review of Hog Ranch Gold Property

- **Rex Minerals Limited (ASX:RXM) (Rex or the Company) has initiated a Strategic Review process to evaluate options for the 100% owned Hog Ranch Gold Property (Hog Ranch or the Property), located in Nevada, USA.**
- **This process is designed to review Rex's options to accelerate exploration and substantially increase the scale and hence value of the Property. The review will consider a suite of funding alternatives and also take into account recent inbound interest in the Property.**
- **Rex has appointed Treadstone Resource Partners to assist and manage the Hog Ranch Strategic Review.**
- **Hog Ranch is interpreted by Rex to have the geological signature of a large-scale gold camp. This interpretation is based on the extensive work by Rex since acquisition in 2019.**

Rex believes that fast-tracking a substantial exploration program and subsequent feasibility studies at Hog Ranch will provide a unique opportunity to define and develop a world-class gold operation, across what is already a significant "Gold Trend". The current mineralised trend extends for approximately 16km.

The operational strategy planned by Rex aims to define and enhance the potential at Hog Ranch with specific focus on:

- Substantially expanding the shallow oxide Mineral Resource at the Krista and Bells Project locations (up from the current 2.1Mozs oxide portion of the gold Resource¹);
- Building on the gravity, soil sampling and 3D induced polarisation (IP) data which indicates that considerable sulphide hosted gold exists around the Airport Project location;
- Exploring for the most well-endowed part of Hog Ranch which is interpreted to exist at depth at Krista West and the White Mountain Project locations; and
- Commencing feasibility studies focusing on a new large-scale open-pit and heap leach gold operation at Bells and Krista combined, targeting over 200koz gold per annum².

The Company will explore various options for Hog Ranch including a review of recent inbound expressions of interest, joint ventures and other funding options or partnerships. There is no guarantee that this work will result in any transaction.

Commenting on the partnering process, Rex's Managing Director & CEO, Richard Laufmann, said:

"Hog Ranch is a unique asset with huge scalability and upside that we would like to build upon as soon as is possible.

"Our vision for Hog Ranch is to double the existing Resource² by expanding the footprint at Krista, drilling the standout targets around Airport and exploring for the higher-grade potential at depth.

¹ See RXM ASX Announcement of 23 March 2021

² These statements are aspirational and dependent on outcomes of the proposed exploration and feasibility studies

“We strongly believe that Hog Ranch has the potential to become a significant gold operation, and the strategic review being undertaken, aims to define the best pathway forward to maximise value for our shareholders.”

Work programs completed by Rex since the projects acquisition in 2019

Rex has developed new interpretations of the gold potential at Hog Ranch based on a number of new regional surveys, trial datasets, and an assessment of the extensive historical datasets. The work completed since the acquisition of Hog Ranch in late 2019 includes:

1. Growth in a new Mineral Resource over three stages up to 2.3Mozs gold³;
2. Regional surveys completed over the entire host rock Caldera (up to 500km²) including: airborne magnetic, radiometric and hyperspectral surveys, regional soil sampling programs and infill soil sampling down to 100m spacing over the entire Mining Claim area for both gold and pathfinder metals;
3. Review and validation for the use of Gravity, 2D and 3D IP surveys over small trial locations; and
4. Further investigation and processing of recent datasets collected by previous explorers including:
 - Two large 2D seismic survey lines
 - Six 4km long CSAMT surveys over Krista.

In response to the rapid growth in understanding the gold mineralisation, Rex has expanded the mining claims at Hog Ranch from 247 to 1,035 for a total area of approximately 8,500Ha.

Rex has also completed economic studies at Hog Ranch with an initial focus on a small startup project for the Bells area⁴ (less than 25% of the current Hog Ranch Mineral Resource). This has provided a foundation of information for further assessment of larger scale options which would incorporate the much larger portfolio of gold Resource and targets around the Krista area (current Krista Mineral Resource of 1.55Moz³).

In anticipation of a significant development project at Hog Ranch, Rex has completed comprehensive baseline biological and cultural surveys over its high priority exploration targets over the past several years, which are a prerequisite to permitting material additional ground disturbance in the USA. These baseline studies have been submitted to the Bureau of Land Management (BLM) as part of the submission of a Plan of Operations for exploration permit, which is currently under review by BLM.

Targeted expansion of the gold mineralisation at Hog Ranch

The Hog Ranch Property is currently comprised of five project locations (Figure 1) which make up a greater than 16km Gold Trend and which have the potential to materially increase the scale of Hog Ranch:

1. Shallow oxide gold mineralisation – Krista and Bells

The Krista Project and Bells Project are the locations for the current shallow oxide gold Resource in addition to where the further definition of the shallow oxide Resource definition drilling is planned. The shallow oxide gold potential at Hog Ranch represents the lowest risk target type based on the extensive historical mining, historical drilling, recent drilling spread broadly over the Krista and Bells Projects.

The surface anomalism and interpreted structural trends indicate that the shallow oxide potential may exist over a much larger area than is currently defined by the existing Mineral Resource. In addition, studies have shown that the angled modern RC drilling at both Krista and Bells are achieving an increase to the gold grade of over 20% in comparison to the historical drilling information.

³ See RXM ASX Announcement of 23 March 2021

⁴ See RXM ASX Announcement of 9 June 2020

2. Shallow sulphide hosted gold mineralisation – Airport and Cameco

The Airport Project and Cameco Project host shallow sulphide gold mineralisation at a higher average grade compared with the oxide gold mineralisation. The focus for this target type is to significantly expand the current sulphide hosted gold Mineral Resource of ~150kcozs gold by drill testing the target locations identified from the gravity, soil and 3D IP datasets.

3. Large scale deeper gold targets – Gillam, Krista, Bells, Airport and Cameco

These project locations all have surface or shallow features which highlight the geological evidence for gold mineralisation in each respective case. In similar large epithermal systems like Hog Ranch, the most economic gold mineralisation typically exists as deeper gold deposits that developed at a specific location during the evolution of the epithermal system. This is an important consideration for the next phase of exploration at Hog Ranch.

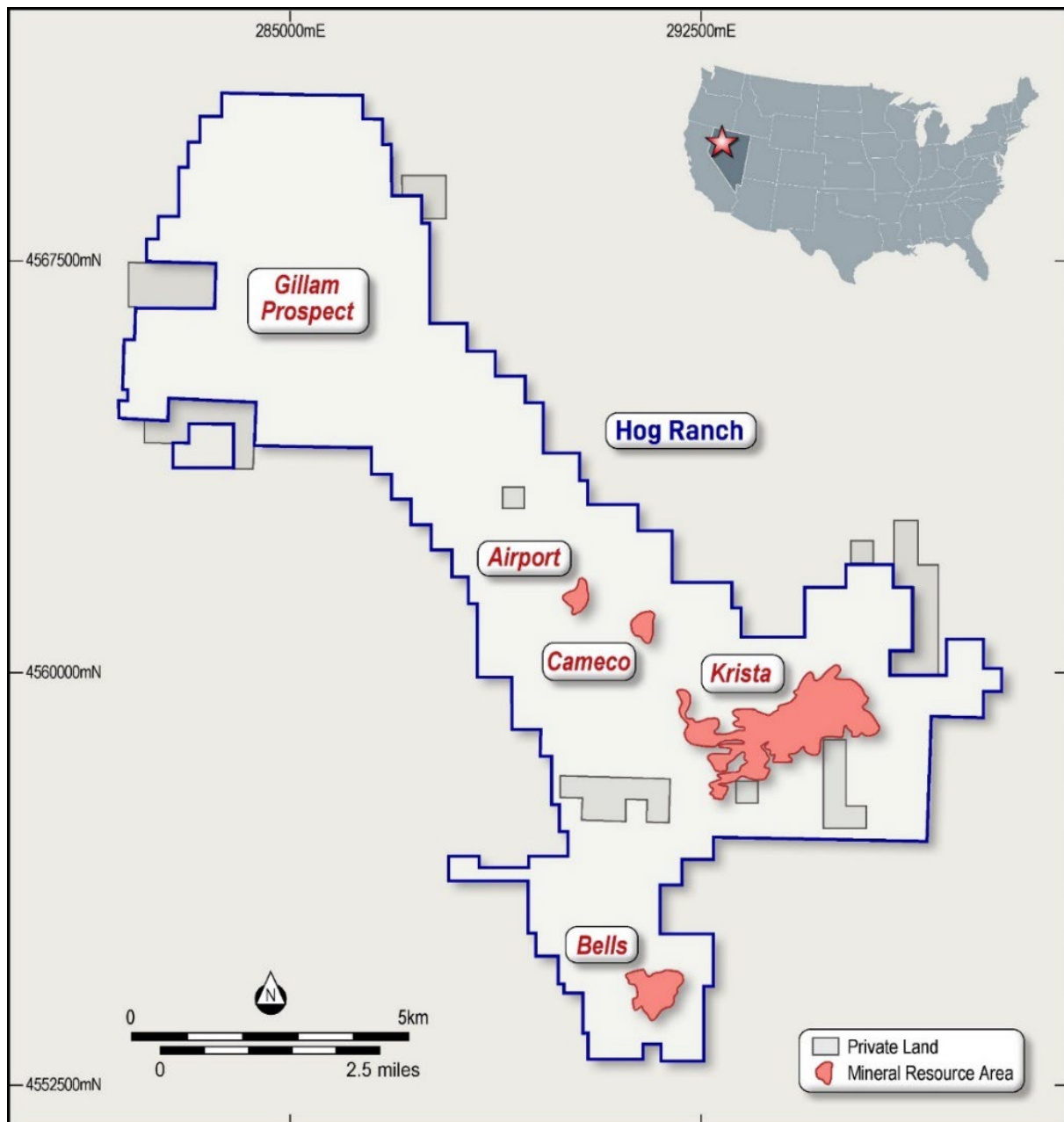


Figure 1: Hog Ranch gold Property with the locations of the existing Mineral Resource relative to the defined Project locations.

This announcement has been authorised for release by the Board of Directors of Rex Minerals.

For more information about the Company and its projects, please visit our website <https://www.rexminerals.com.au/> or contact:

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Forward Looking Statements

This announcement may include forward looking statements. These forward-looking statements are based on Rex's expectations and beliefs concerning future events. Forward looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of Rex, which could cause actual results to differ materially from such statements. Rex makes no undertaking to subsequently update or revise the forward-looking statements made in this announcement, to reflect the circumstances or events after the date of this announcement.