



Resource Base Commences Geophysical Survey

Highlights

- Large-scale geophysical program at the Black Range Project has commenced
- The geophysical survey program has been designed to test the priority target area between the Eclipse and New Moon prospects, a 4km strike of defined volcanic graben which holds confirmed geochemical and mineralogical Volcanic Hosted Massive Sulphide System (VHMS) characteristics
- Planning for the Company's inaugural drilling program is underway with the aim of commencing Q4 CY2021

Resource Base Limited (**ASX:RBX**) (**Resource Base** or the **Company**) is pleased to announce that it has commenced a large scale geophysical survey program at the Black Range Project located in the well-known and highly prospective Stavely Volcanic corridor in North-West Victoria (EL4590). The Company anticipates that the program will take approximately four (4) weeks to complete.

Executive Chairman & CEO Shannon Green commented

"We are excited to be commencing our aggressive exploration plans at the Black Range Project. We look forward to using the results from this geophysical program to establish a set of initial drill targets for our priority target area between the Eclipse and New Moon prospects".

The geophysical survey program has been designed to test the priority target area between the Eclipse and New Moon prospects, a 4km strike of defined volcanic graben which is host to the Eclipse prospect. There are a number of identified targets across the full extent of the tenement that will be tested in due course as part of the Company's broader exploration strategy.

There are two main components to the geophysical program:

- Induced Polarisation / Resistivity survey (**IP/Res**); and
- Gravity survey.

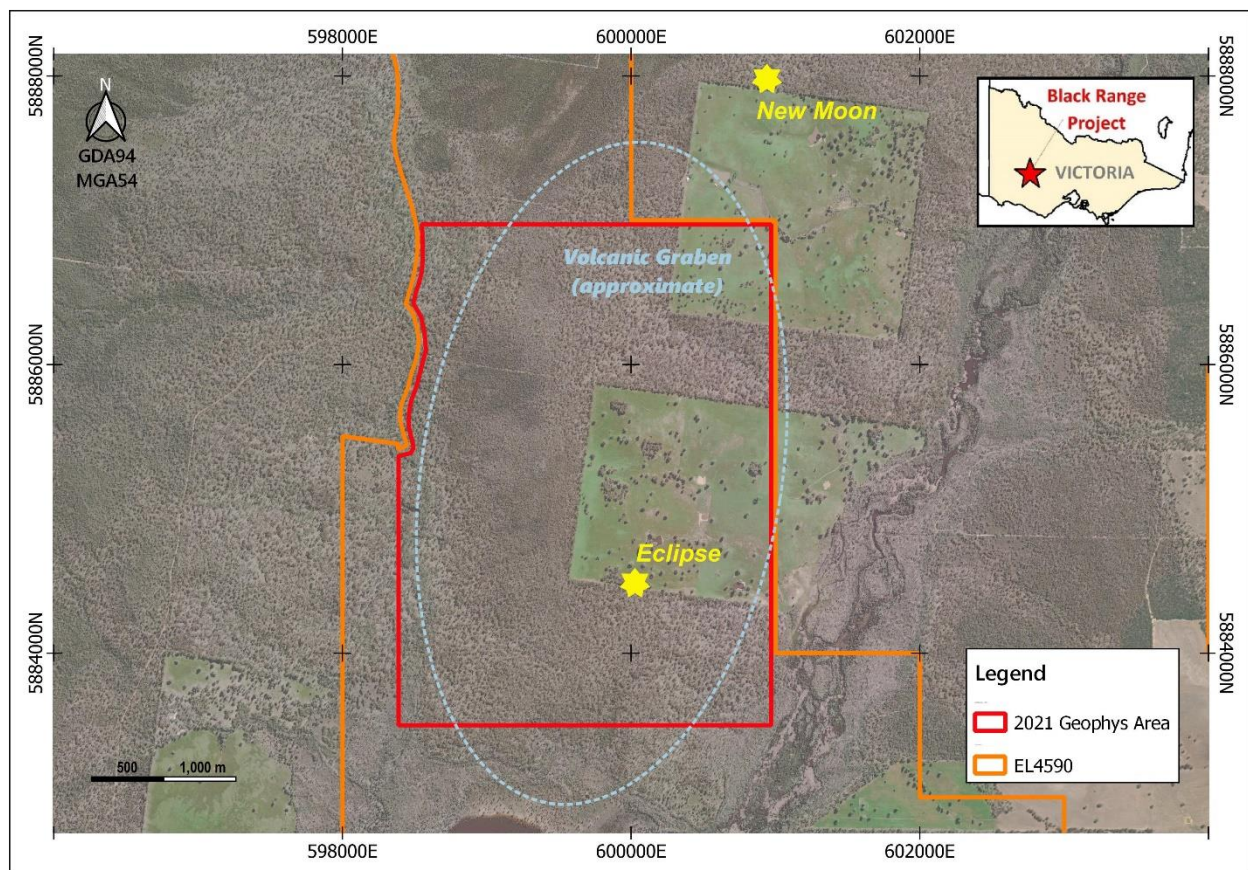


Figure 1: Resource Base Tenement showing zone of interest

Induced Polarisation / Resistivity

VHMS mineralisation can be defined as generally more chargeable and less resistive than the surrounding host rocks. Historic IP/Res surveys over the tenement have focused on the main Eclipse prospect and an area to the immediate northwest. Most of the area between the Eclipse and New Moon prospects has not been tested by past surveys and these have had vastly differing array geometries.

The current IP/Res survey aims to produce a consistent coverage of IP and Resistivity data across the targeted extent of the interpreted volcanic graben on EL4590 to a depth of 500m or more. This data will be used to create a 3D model from which interpretations of the distribution of sub-surface geological units and hydrothermal alteration, potentially associated with VHMS mineralisation, can be made.

Gravity

Within significant VHMS deposits significant mineralisation predominantly has a higher density than the surrounding host rocks. A ground gravity survey is being completed to accurately place any gravity disparities within the volcanic host rock sequence.

A 3D model of gravity distributions will be created and integrated with the IP/Res model and available historic drilling data to help define targets for the inaugural drilling program at the Black Range Project, expected to commence in Q4 CY2021.



Exploration Program

The Company continues to finalise plans for an aggressive exploration program at the priority target area between the Eclipse and New Moon prospects with the aim of commencing an inaugural drilling program in Q4 CY2021. The drilling program is planned to continue to further target areas across the broader tenement following further geophysical programs.

The Company notes that it has engaged Khumsup Geophysics to undertake the geophysics program, replacing Fender Geophysics as previously announced on 3 August 2021.

-ENDS-

This announcement has been authorised by the Board of Resource Base Limited.

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About Resource Base Ltd

Resource Base Ltd (ASX:RBX) is an Australian based mineral exploration company focused on the development of highly prospective exploration projects with demonstrated potential for scalable discoveries.

Black Range Project

The Black Range Project (124km²) in Victoria's premier porphyry and VHMS target district, the Mount Stavelly Volcanic Complex (MSVC) in Western Victoria, captures three fault-bound segments of the MSVC volcanics with a combined strike length of approximately 55 kilometres. The Project includes the advanced Eclipse prospect which is prospective for copper, gold and zinc.

The Mount Stavelly Volcanic Complex is considered an analogue of the Mt Read Volcanics in Tasmania, which is host to a number of world-class VHMS deposits (Rosebery, Hellyer, Que River), the giant Mt Lyell Cu-Au deposit, and the Henty Au deposit.

Numerous other targets, including Anomaly F, Honeysuckle, Anomaly K and Mt Bepcha are associated with MSVC rocks across the tenement but have seen little work to date.

Petrological studies indicate that important VHMS style hydrothermal alteration and is well developed on the Eclipse prospect. Resource Base will utilise systematic geophysics, drilling and geochemical analyses combined with petrological and hyperspectral SWIR alteration mapping to vector towards zones with high mineralisation potential as identified from comparison with known VHMS deposits in the Mt Read Volcanics and around the world.

Mitre Hill Project

On 27 September 2021, the Company announced it had entered a binding term sheet for the acquisition of the Mitre Hill Project (1380km²), which contains five strategic tenement applications over ground located within the Murray Basin across Victoria and South Australia, prospective for ionic clay hosted Rare Earth Element (REE) deposits.

The Applications are located in the Murray Basin on the South Australian and Victorian state Border near the towns of Naracoorte, Penola and Edenhope. The largest and most prospective Application, ELA 2021/00059, runs approximately in a line, covering over 40km of strike length, from the towns of Naracoorte and Penola in South Australia. The main economic target is ionic clay hosted Rare Earth deposits, with possible economic concentrations of Heavy Rare Earths considered strategically important given global supply modelling.

The Applications are located over the transition from the concluding phases of the Loxton - Parilla strandlines to the more broadly spaced Bridgewater formation in South Australia and Victoria. A significant archive of historical exploration data has been acquired by the Company, including drilling results, numerous government studies and minor private exploration.



Forward Looking Statements

Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward-looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, performance, and achievements to differ materially from any future results, performance, or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management’s good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company’s business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company’s business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company’s control.

Although the Company attempts and has attempted to identify factors that would cause actual actions, events, or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements, or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the company does not undertake any obligation to publicly update or revise any of the forward-looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

