

About Resource Base

EV Metals explorer targeting clay
Rare Earths and VHMS in Victoria
and South Australia

Executive Chairman & CEO

Shannon Green

Non-Executive Director

Jamie Myers

Non-Executive Director

Paul Hissey

CFO & Company Secretary

Ailsa Osborne

L/4, 105 St Georges Terrace
Perth WA 6000

E. admin@resourcebase.com.au

W. www.resourcebase.com.au

Enquiries:

Company Secretary

Ailsa Osborne

T. +61 8 6102 8072

RBX Continues to Expand Footprint at Mitre Hill REE Project

Highlights

- RBX set to hold the largest land position in the southern margin of the Murray Basin prospective for clay hosted Rare Earth Elements (REE)
- Five (5) Exploration Licence applications totalling 1,171km² submitted for tenements prospective for clay hosted REE's in Victoria, expanding the Mitre Hill project footprint to 6,001km²
- The Company's geological modelling indicates that these new tenements could be prospective for clay hosted REE and add significantly to the project footprint and scale
- One (1) Exploration Licence application totalling 495km² submitted in respect of the Black Range Project prospective for critical metals in Victoria, expanding the project footprint to 619km²

Resource Base Limited (**ASX:RBX**) (**Resource Base** or the **Company**), a strategic metals explorer targeting clay hosted REE and VHMS in Victoria and South Australia, is pleased to announce that it has submitted five (5) Exploration Licence applications totalling 1,171km² in Victoria for tenements it considers to be prospective for clay hosted Rare Earths (REE). The Company has also submitted one (1) Exploration Licence application totalling 495km² in Victoria as part of the Black Range Project.

Mitre Hill Project

The five (5) new Mitre Hill clay hosted REE project applications would grow the footprint to 6,001km² provided all applications are granted. The Mitre Hill Project would hold the largest land position in the southern margin of the Murray Basin an emerging globally significant clay hosted Rare Earth precinct.

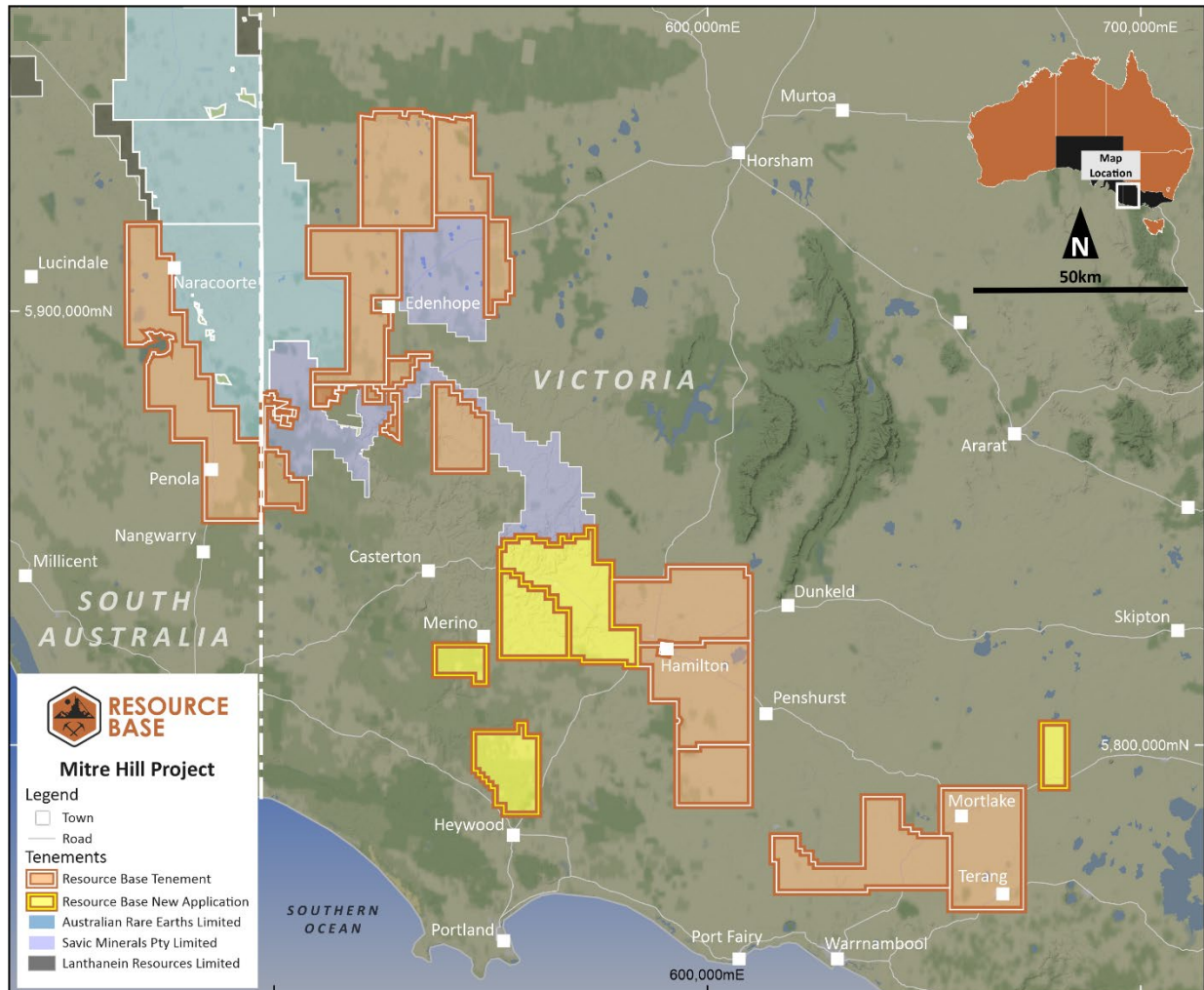
Figure 1: Regional Location of Mitre Hill Project Tenements





Figure 2 below shows the location of the granted, existing, and new tenement applications for the Mitre Hill REE project and demonstrates the scale of the project.

Figure 2: Mitre Hill Project Map of Granted, Existing & New Applications



RBX currently has twenty seven (27) tenements, comprising twenty two (22) applications and four (4) granted tenements the southern margin of the Murray Basin in western Victoria and one (1) granted tenement in South Australia. The areas targeted by these applications are considered by the Company to have potential for clay hosted Rare Earth mineralisation and exploration work will test for the presence of Murray Basin stratigraphy known to host REE as well as expanding the mineralisation model in the region.

Black Range Project

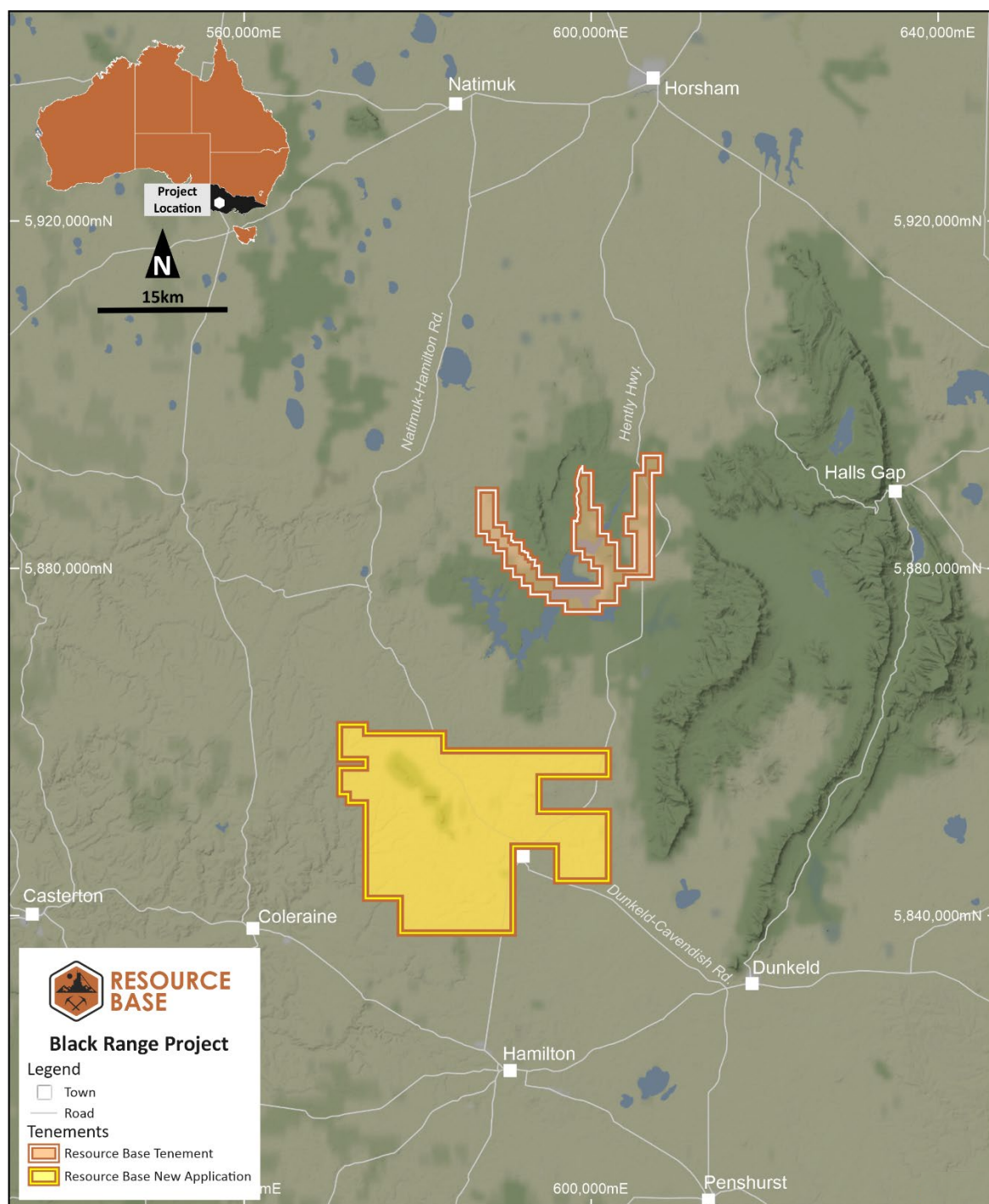
The Black Range Project is located in Victoria's premier porphyry and VHMS target district, the Mount Stavelly Volcanic Complex (MSVC) in Western Victoria. The Project includes the advanced Eclipse prospect, which is prospective for copper, gold and zinc.



The EL007999 application area is underlain by Glenelg Metamorphic Complex rocks including Devonian age granites which are unconformably overlain by Murray Basin sediments. The Company is targeting gold and critical metals associated with the granites and the overlying Murray Basin primarily for clay hosted REE mineralisation.

The area has relatively been underexplored in modern times and little is known of the minimal basement economic potential. Similar granitic rocks host known tin and tungsten mineralisation elsewhere in Victoria and Tasmania.

Figure 2: Black Range Project Map of Granted & New Applications





New Exploration Licence Application Details submitted in Victoria

Victoria Tenements	Tenement Size (km ²)	Application Date
EL007989	492	28 July 2022
EL007990	257	28 July 2022
EL007991	90	28 July 2022
EL007992	242	28 July 2022
EL007995	90	28 July 2022
EL007999	495	28 July 2022

- ENDS -

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

For further information please visit our website – www.resourcebase.com.au



Follow @ResourceBaseLtd



Follow Resource Base Ltd (ASX:RBX)



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.

Mitre Hill Project

The Mitre Hill tenements account for 6,001km² that are prospective for clay hosted Rare Earth Elements (REE) within the southern margin of the Murray Basin, the Project consists of four (4) granted tenements in Victoria, one (1) granted tenement in South Australia and twenty two (22) applications in Victoria.

Upon granting of all tenements Mitre Hill will hold the largest position within a potential emerging clay hosted Rare Earth precinct located in the southern margin of the Murray Basin across Victoria and South Australia.

The licence and applications are located in the southern margin of the Murray Basin on the South Australian and Victorian state Border near the towns of Naracoorte, Penola and Edenhope

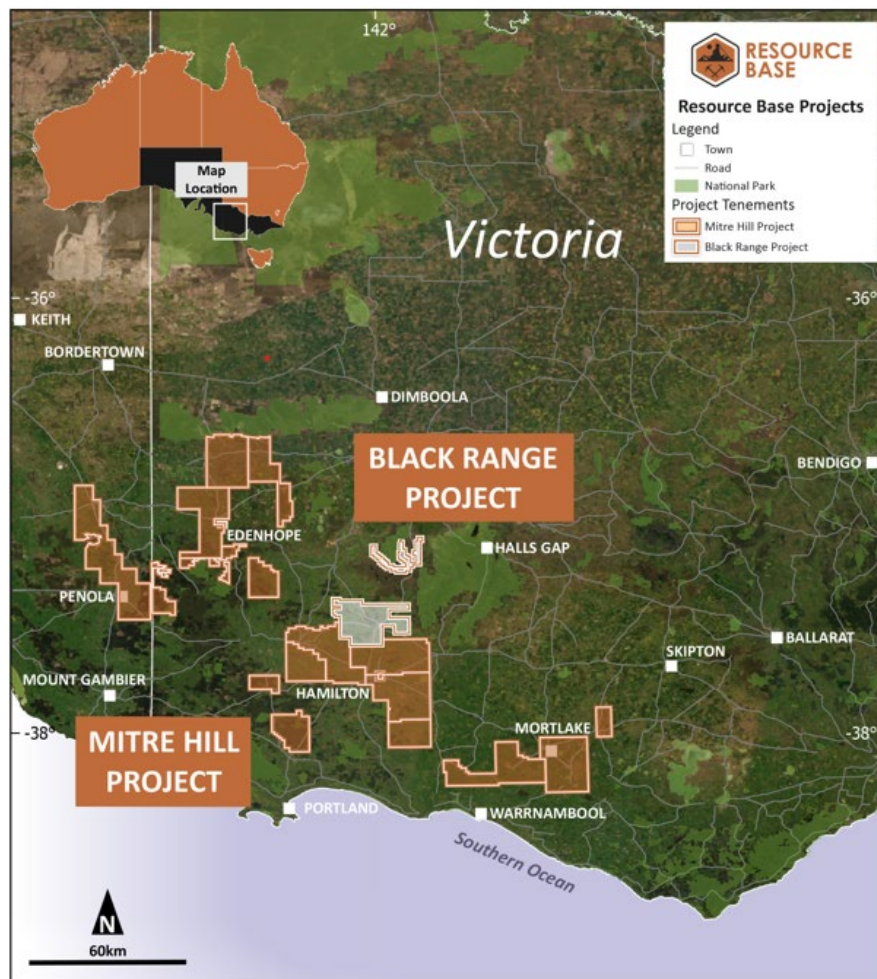
The main economic target is clay hosted REE deposits, with Heavy Rare Earths considered strategically important given global supply modelling. A significant archive of historical exploration data has been acquired by the Company, including drilling results, numerous government studies and minor private exploration.

Black Range Project

The Black Range Project (619km²) 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 55kms. The Project includes the advanced Eclipse prospect, which is prospective for copper, gold and zinc. The project consists of one (1) granted tenement and one (1) application in Victoria.

The MSVC 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.





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.

Competent Person Statement

The information in this report which relates to Exploration Results is based on, and fairly represents, information compiled by Mr Ian Cameron. Mr Cameron is a Member of the Australian Institute of Geoscientists (AIG) and an employee of the Company. Mr Cameron has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’ (the JORC Code). The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcement. Mr Cameron consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.



Mitre Hill Pty Ltd Tenements

Mitre Hill Project Tenements			
Victoria Tenements	Tenement Size (km ²)	Application Date	Date Granted
EL007640	490	23 July 2021	17 June 2022
EL007641	103	11 June 2021	17 June 2022
EL007646	28	22 June 2021	8 November 2021
EL007647	30	11 June 2021	17 June 2022
EL007888	6	2 March 2022	
EL007889	15	2 March 2022	
EL007891	6	2 March 2022	
EL007892	4	2 March 2022	
EL007893	9	2 March 2022	
EL007894	6	2 March 2022	
EL007895	13	2 March 2022	
EL007896	24	2 March 2022	
EL007897	44	2 March 2022	
EL007898	204	2 March 2022	
EL007899	353	2 March 2022	
EL007900	456	2 March 2022	
EL007982	500	21 July 2022	
EL007983	499	14 July 2022	
EL007984	233	14 July 2022	
EL007985	500	14 July 2022	
EL007986	498	14 July 2022	
EL007989	492	28 July 2022	
EL007990	257	28 July 2022	
EL007991	90	28 July 2022	
EL007992	242	28 July 2022	
EL007995	90	28 July 2022	
South Australia Tenement	Tenement Size (km ²)	Application Date	Date Granted
EL6708	809	28 May 2021	1 April 2022



Resource Base Limited Tenements

Black Range Project Tenements			
Victoria Tenements	Tenement Size (km ²)	Application Date	Date Granted
EL4590	124		14 February 2017
EL007999	495	28 July 2022	