RENEWAL OF HILL END TENEMENT IN FULL

ASX Code: VTX

ETHICALLY AND ENVIRONMENTALLY SUSTAINABLE

ASX ANNOUCEMENT 9 AUGUST 2022

Advanced Hill End Gold Project (NSW) 14km strike high grade gold system – to be developed on a large scale 1.6m ozs historically mined

Advanced Hargraves Gold Project (NSW) moving to a PFS

Combined existing 2012 JORC 257K oz @ 2.11 g/t & significant exploration upside likely to be amenable to gravity recovery, with recoveries potentially as high as 95%

Highly prospective Pride of Elvire Gold Project (WA) & Taylors Rock Nickel Gold Project (WA)

Hill End is home to the largest gold reef nugget ever to be found – Globally

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- **Vertex Limited (ASX:VTX) wishes to advise that Exploration Licence 5868, which covers the Company's Hill End gold project has been renewed for two years (Image 1).**
- **Department of Regional NSW has proposed to renew Exploration Licence No 5868 (2001) ("EL 5868") for the term of 2 years for the full area of 16 units as applied for.**
- **Hill End has several gold targets including the Red Hill resource, Mares Tail, Reward and Germantown which are located around the Hill End Gravity Gold plant.**
- **Hill End holds the Red Hill resource of 80,000 oz Au @ 1.7 g/t to 150m**





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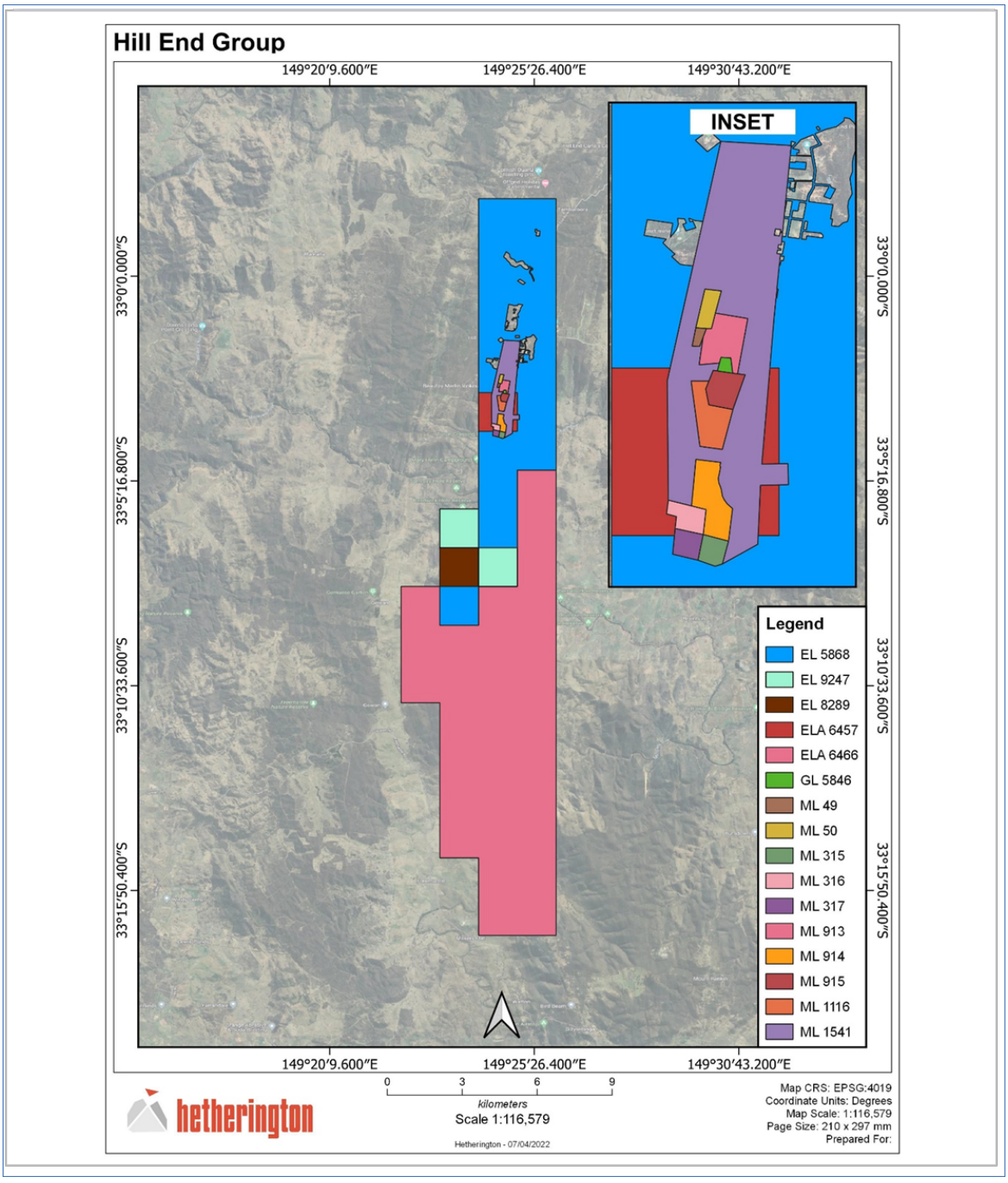

***Image 1**: Renewed Exploration lease EL5868 shown in blue*

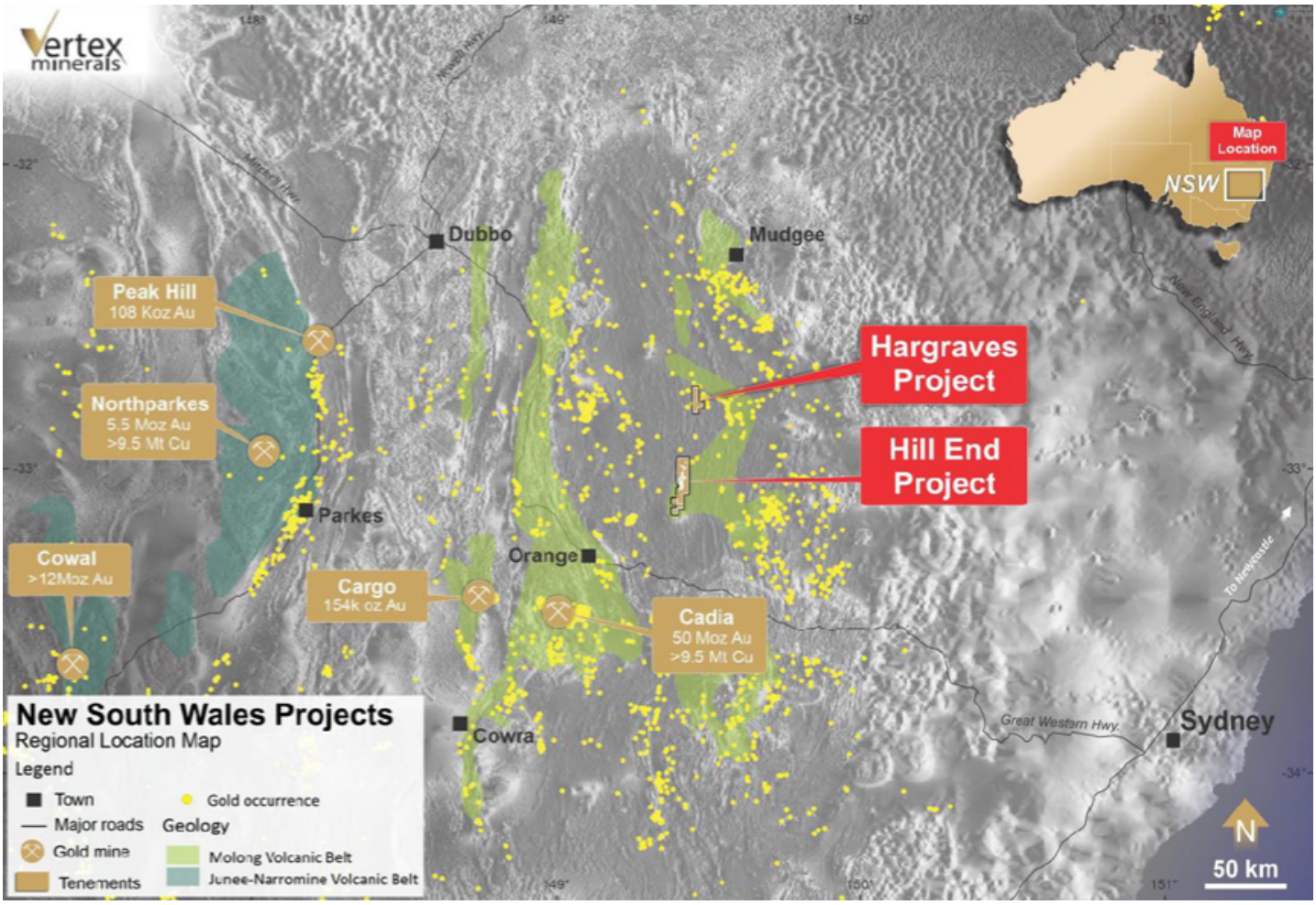

***Image 2**: NSW project locations*

This announcement has been approved by the Board of Vertex Minerals Limited.

Further Information:

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About Vertex Minerals Limited

Vertex Minerals Limited (ASX: VTX) is an Australian based gold exploration company developing its advanced Hargraves and Hill End gold projects located in the highly prospective Eastern Lachlan Fold Belt of Central West NSW and its Pride of Elvire and Taylors Rock gold projects located in a well-known WA gold precinct. The focus of Vertex Minerals is to advance the commercial production of gold from its NSW projects embracing an ethical and environmentally sustainable approach, utilising the below attributes/techniques to uniquely positioning the company as Australia's first truly environmentally sustainable producer of **green gold**:

- **Direct Smelting**: The use of direct smelting of a gold concentrate that eliminates the need to use cyanide as a solvent
- **Gravity Separation**: The deportment of gold at the Hill End Project allows high recovery to a concentrate produced using gravity separation techniques
- **Contrast in Density**: These separation techniques take advantage of the contrast in density of gold (ρ=19.3) relative to quartz (ρ=2.65)
- **Renewable Energy**: The unique landscape and infrastructure makes Hill End ideal for the establishment of renewable sources of power. The Crudine Ridge Windfarm is only 30km from the project site and Vertex plans to examine a pumped hydro-electricity scheme as an integral part of any proposed development. The topography and existing mine workings including shafts and adits make the establishment of a pumped hydro scheme achievable at modest expense
- **Benign Tailings**: The tailings will essentially be quartz with little to no sulphides

Hargraves Gold Project (NSW)

- Hargraves Gold project is located approximately 2 5 km south of the town of Mudgee
- The goldfield is 4 x 10 k m with numerous mineralised structures with little modern exploration
- An updated mineral resource in accordance with JORC 2012 Code was completed by SRK Consulting (Australasia) Pty Ltd (SRK) – total of **2.3Mt at 2.38g/t Au for 177koz Au**

2012 JORC-compliant Mineral Resources

	Classification	Tonnes (t)	Grade (Au g/t)	Contained oz
Hargraves	Indicated	1,108,651	2.7	97,233
	Inferred	1,210,335	2.1	80,419
Sub-Total		2,318,986	2.4	177,652
Red Hill	Indicated	413,000	1.4	18,600
	Inferred	1,063,000	1.8	61,400
Sub-Total		1,475,000	1.7	80,000
Combined Total	Indicated	1,521,651	2.35	115,833
	Inferred	2,273,335	1.96	141,819
		3,791,986	2.11	257,653

Hargraves: 0.8 g/t reporting cut-off ASX Announcement 29 May '20

Red Hill: 0.5 g/t per block, ordinary kriging grade interpolation, classified Mineral Resources limited to 160mRL below surface. ASX announcement 30 Nov 2015: ASX announcement Nov '15

Hill End Gold Project (NSW)

- Consists of 10 mining leases and three Exploration Licences located in the core of the Hill End Trough on the eastern Lachlan Fold Belt
- 14km of continuous gold lode with gold recovery rate to gravity at +90% - **green gold**
- Work undertaken in 2015 by Hill End Gold Limited (HEG) culminated in a JORC 2012 resource estimate of **80,000 oz Au @ 1.7 g/t to 150m** depth

Pride of Elvire Gold Project (WA)

- Tenements surround the Mt. Elvire homestead approximately 210km north of Southern Cross in Western Australia
- The project has seen historical drilling with encouraging gold results achieved

Taylors Rock Project (WA)

- Located 80km WSW of Norseman in the Southern Goldfields region of Western Australia
- The project has both Gold and Nickel potential, interesting historical intercepts have recorded encouraging mineralisation

Competent Persons Statement

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Mr. Roger Jackson, a Director and Shareholder of the Company, who is a 25+ year Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and a Member of Australian Institute of Company Directors. Mr. Jackson has sufficient experience which is relevant to the style of mineralisation and type of deposits 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". Mr. Jackson consents to the inclusion of the data contained in relevant resource reports used for this announcement as well as the matters, form and context in which the relevant data appears.

Forward Looking Statements and Important Notice

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Vertex Minerals' control.

Actual results and developments will almost certainly differ materially from those expressed or implied. Vertex Minerals has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, Vertex Minerals makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.