



RVR set to commence drilling at Hillgrove Gold Project

Highlights

- **Drilling to start at Red River's high-grade Hillgrove Gold Project in NSW with a diamond drill rig scheduled to arrive mid July**
- **Initial fourteen hole (1,310m) drilling program comprising:**
 - an eight hole (690m) drilling program designed to target shallow high-grade gold mineralisation in the upper levels of the Eleanora Lode; followed by
 - a six hole (620m) drilling program (partially NSW grant funded) to target the high-grade gold-antimony mineralisation at the Curry's Block target
- **Hillgrove Gold Project has an existing JORC 2012 Mineral Resource of 3.0Mt @ 4.9 g/t Au & 1.6 % Sb with a 250ktpa processing plant on active care & maintenance**
- **Drilling program is also designed to assist in the conversion of JORC 2004 compliant Mineral Resources to JORC 2012 compliant Mineral Resources**
- **Red River is advancing the staged restart of gold production at Hillgrove, currently scheduled to commence in late CY2020, with initial production from the Bakers Creek Stockpile (225kt @ 2.5 g/t Au) processing, followed by a full restart of underground mining operations.**

Base and precious metals producer Red River Resources Limited (ASX: RVR) is pleased to announce it is set to commence drilling at Red River's Hillgrove Gold Project in NSW, where it plans to recommence gold production in CY20.

The fourteen hole program (1,310m) will comprise an initial eight hole (690m) program targeting shallow high-grade gold mineralisation in the upper levels of the Eleanora Lode. On completion of this program, the drill rig will move to the Curry's Block target, to complete a six hole (620m) program where surface sampling carried out by Red River has defined extensive high-grade gold-antimony mineralisation.

The planned Curry's Block drilling will be partially funded by a grant from the NSW Government New Frontiers Cooperative Drilling Grants Program (Round 3).

Red River Managing Director Mel Palancian said, *"It is exciting to start drilling at Red River's Hillgrove Gold Project, as we move towards restarting gold production at Hillgrove by the end of CY2020. We look forward to reporting the drill results as they come to hand as we work on building our existing gold inventory for the project."*

For personal use only

Eleanora Drilling Program

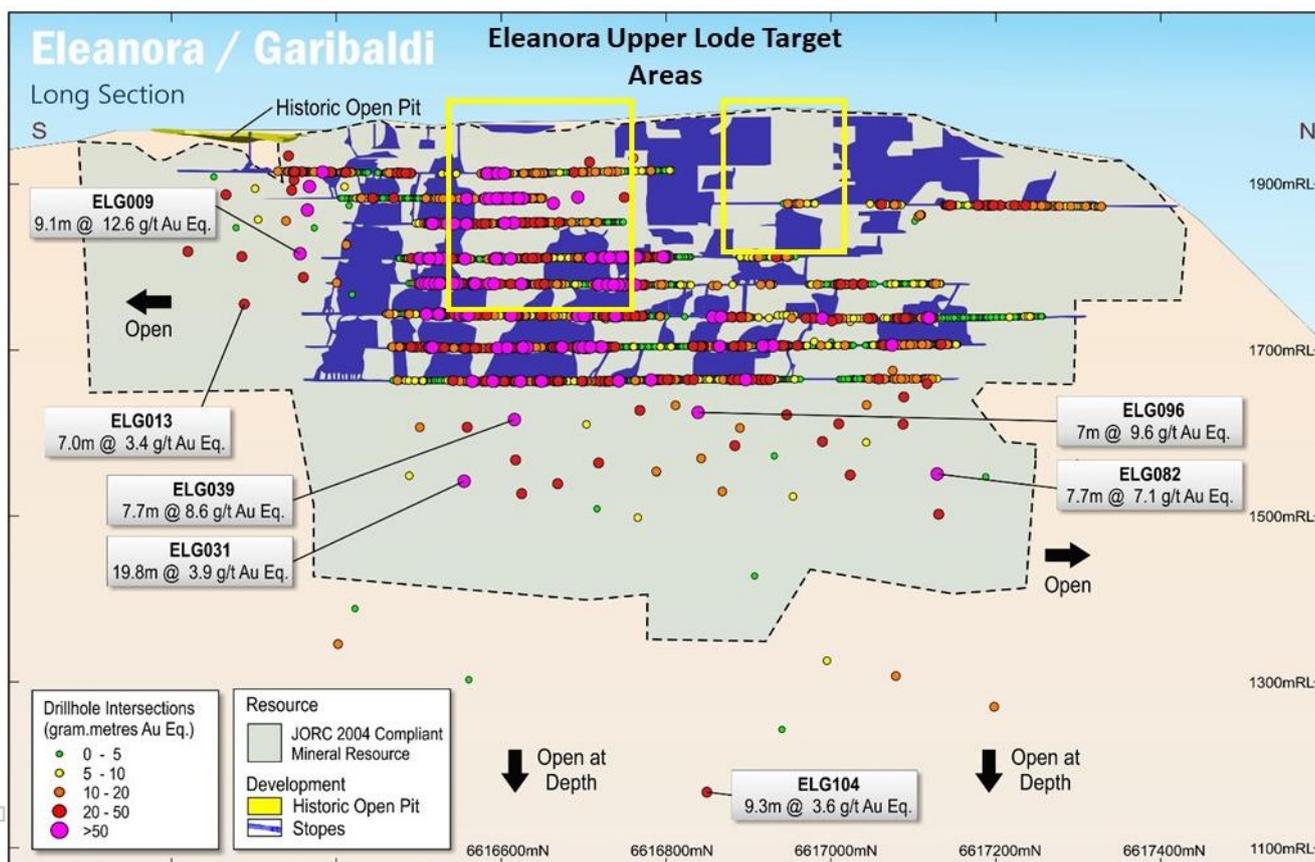
The Eleanora Garibaldi Lode is one of the major mineralised structures at the Hillgrove Gold Project, with a strike extent in excess of 1.1km, with a north west vertical to subvertical dip and an average thickness of two metres. The Eleanora Garibaldi Lode is open at depth with the deepest hole ELG104 intersecting 9m @ 3.6 g/t Au Eq.

Historical mining activities (1986-1997) carried out by New England Antimony Mines targeted a number of high-grade antimony rich ore shoots, leaving behind the gold rich (antimony poor) areas of the lode system.

Historical sampling and RC drilling has indicated the potential to define a shallow high-grade gold resource within close proximity to the Hillgrove Mill.

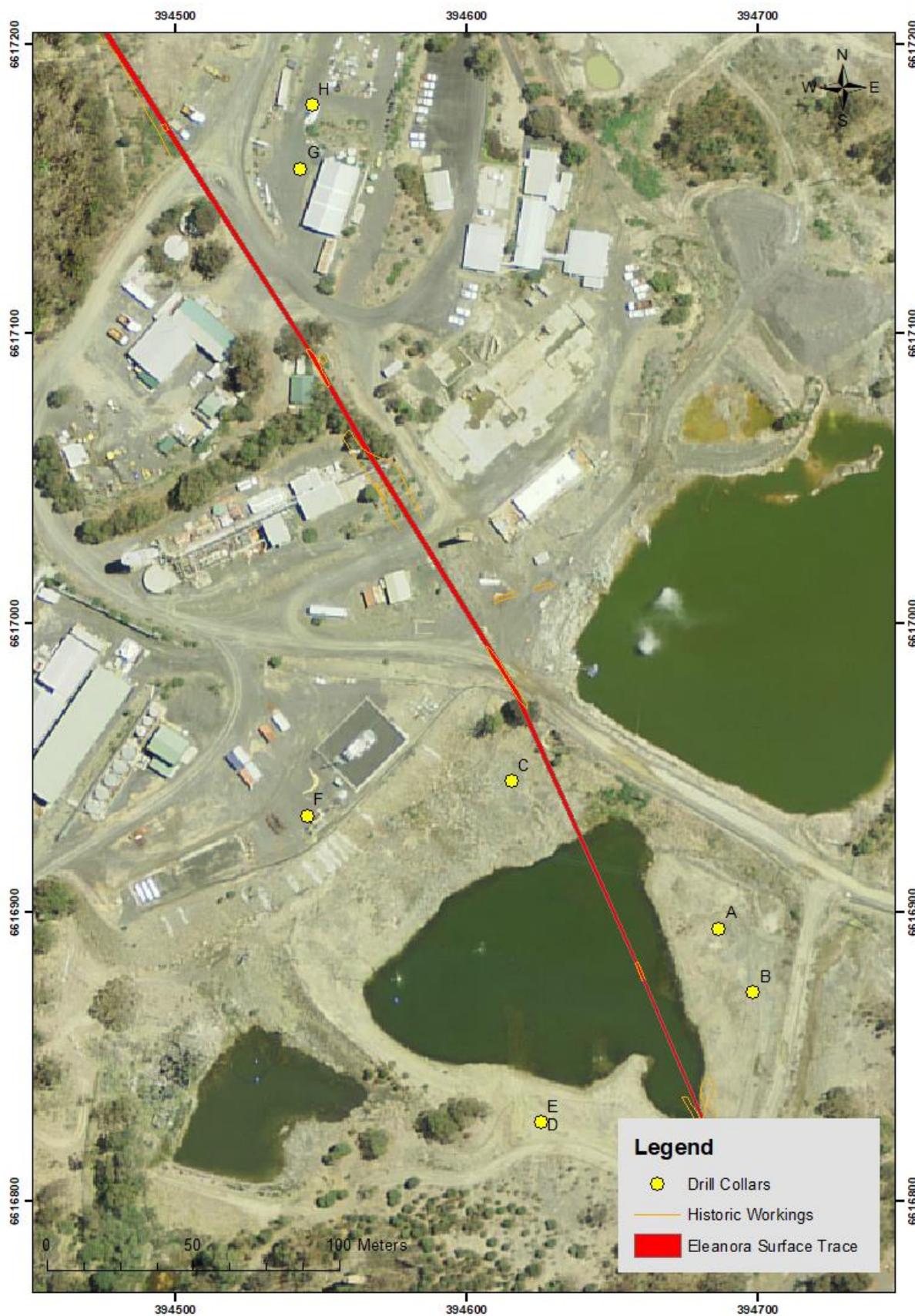
Red River has planned an initial eight-hole diamond drilling program (690m) to test the upper levels of a number of the gold-rich areas in the Eleanora Garibaldi Lode system. This program is expected to take approximately 20 days to complete.

Figure 1 Eleanora Garibaldi Lode Long Section



Red River has previously announced a JORC 2004 Compliant Mineral Resource for the Eleanora Garibaldi Lode (refer to Red River ASX release “Red River acquires Hillgrove Gold-Antimony Project in NSW” dated 3 July 2019) and is working to convert this into a JORC 2012 Compliant Mineral Resource. The planned drilling program is expected to generate information that will be used in this process.

Figure 2 Eleanora Drilling Program Planned Collar Locations



For personal use only

Curry's Block Prospect Drilling Program

Red River geologically mapped and sampled the Curry's Block prospect in October 2019. The historic mine workings in the area were found to be far more significant than previously thought. A total of 22 grab samples were taken from the historic waste dumps and one sample from in situ mineralisation. The highest grades obtained from the sampling program were 48.9 g/t Au, 10.55% Sb and 8.8% W. Red River believes that the Curry's Block prospect has great potential, with a strike length of approximately 1km, mineralisation at surface, multiple mineralised lodes and high-grade gold, antimony and tungsten mineralisation present in historic workings and waste dumps (refer to ASX release "High grade gold at Curry's Block" dated 6 December 2019).

Red River has designed a six-hole (620 m) drilling program to test the Curry's Block prospect. The planned Curry's Block drilling will be partially funded by a grant (\$44,170) from the NSW Government New Frontiers Cooperative Drilling Grants Program (Round 3).

Curry's Block is located on the Hillgrove Plateau, and is 3.3km from the Hillgrove Processing Plant utilising existing roads.

Figure 3 Curry's Block Location

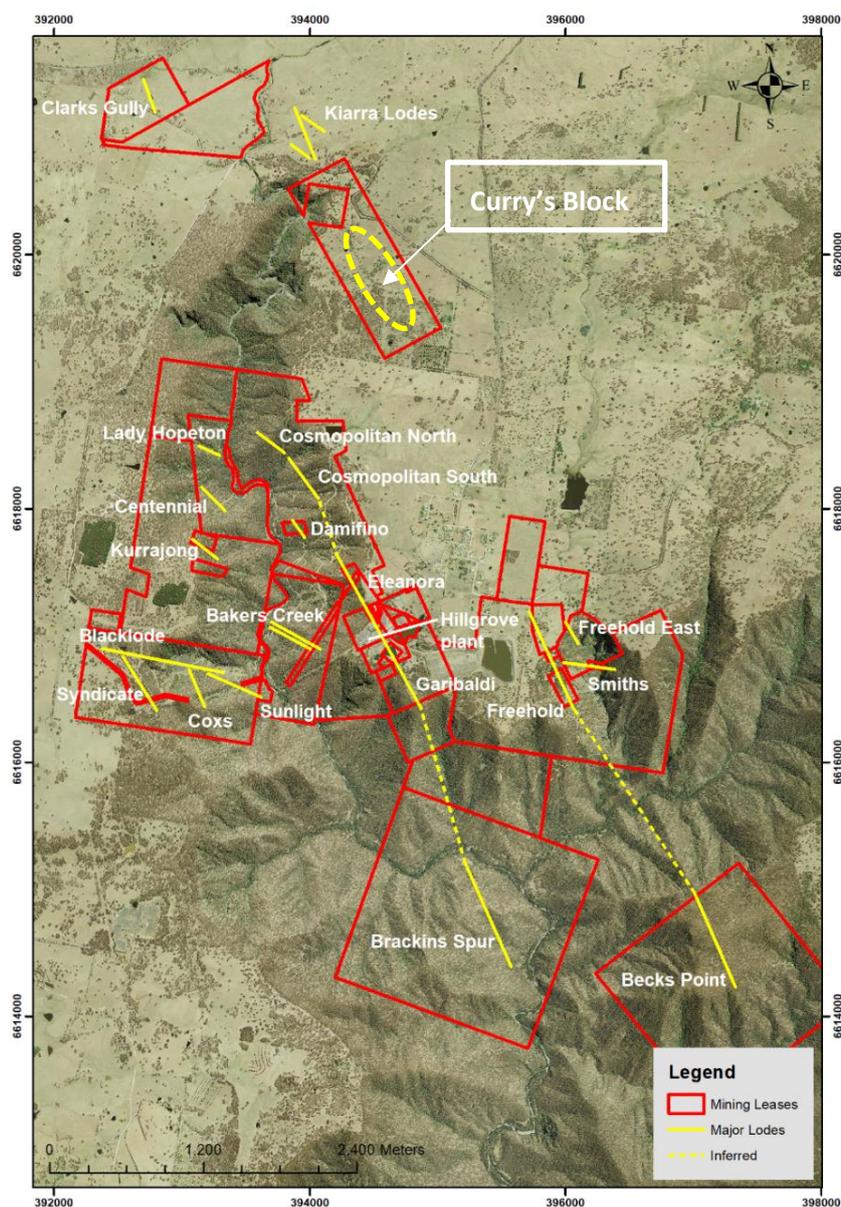
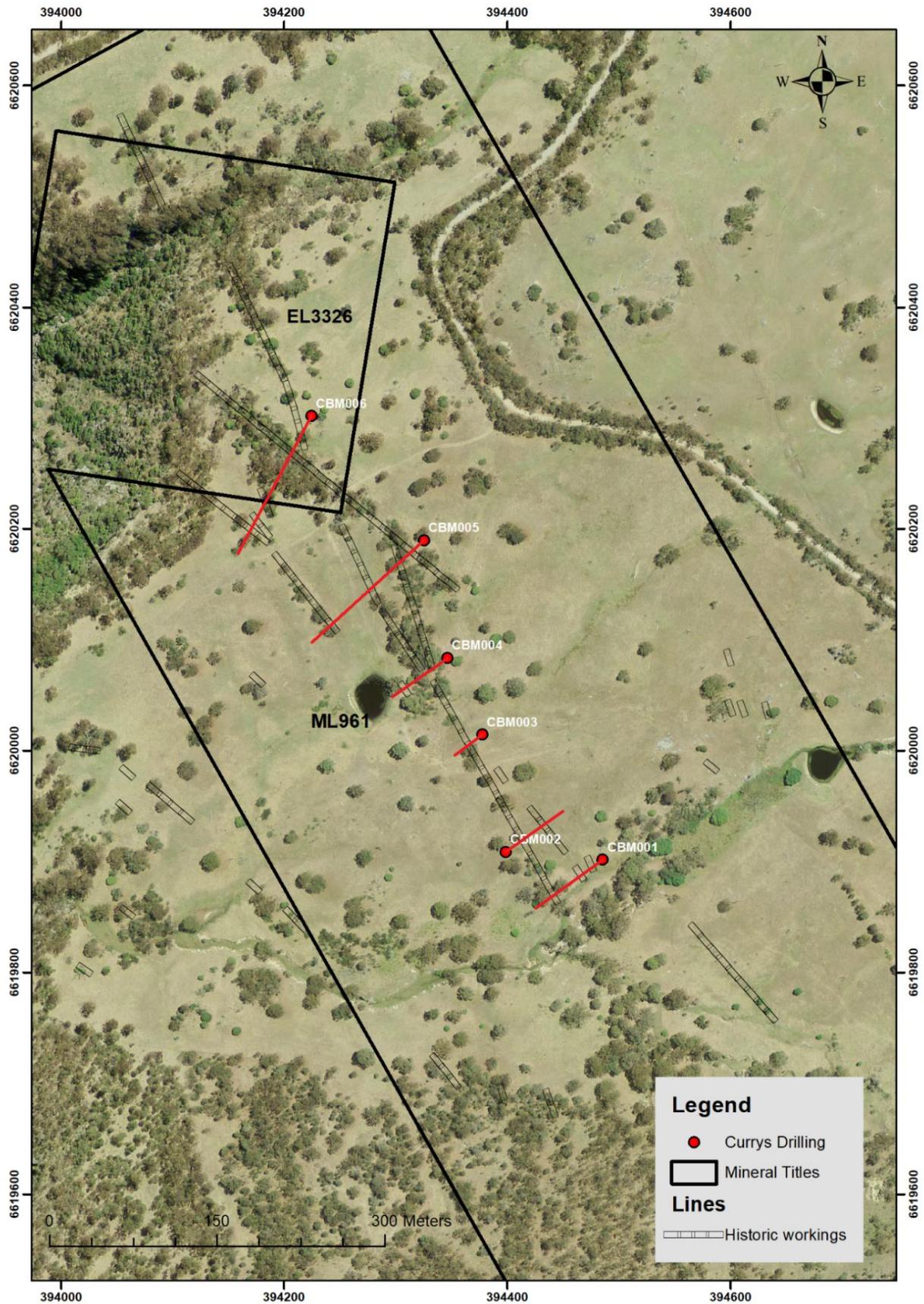


Figure 4 Curry's Block Area Proposed Drilling Locations



For personal use only

Hillgrove Gold Project Restart Update

Red River has undertaken a detailed review in preparation for the restart of the Hillgrove Gold Project. The outcome of the review was a lean capital efficient staged restart process, with Stage One (processing of Bakers Creek Stockpile) scheduled to commence at the end of CY2020, and Stage Two (full restart of UG mining operations) scheduled to commence at the end of CY2021.

Red River has announced a Mineral Resource of 225kt @ 2.5 g/t Au (18koz Au contained) for the Bakers Creek Stockpile. Metallurgical test work completed indicated a total gold recovery (gold recovered to a gravity gold concentrate and a flotation gold concentrate which will both then be leached on site to produce gold dore) of ~80% to gold dore.

Red River will utilise the extensive existing site infrastructure and equipment to deliver a low capital cost restart, with an estimated Stage One capital cost of less than \$5m.

As part of the Stage One restart, Red River recently acquired a reconditioned Knelson gravity gold concentrator in the US. This has now been delivered to site and the installation process will shortly commence.

Figure 5 Knelson Concentrator onsite at Hillgrove



Hillgrove Gold Project Overview

The Hillgrove Gold Project is located 23km east of Armidale in New South Wales. High-grade gold-antimony-tungsten mineralisation was discovered at Hillgrove in 1857, and modern mining operations commenced at Hillgrove in 1969. To date, Hillgrove has produced in excess of 730,000 ounces of gold (in bullion and concentrates), over 50,000 tonnes of antimony (as metal and in concentrates) plus material amounts of by-product tungsten (in concentrates). Red River acquired the Hillgrove Gold Project in August 2019 from a private vendor. The vendor placed the Hillgrove Project in care & maintenance at end 2014 due to low commodity prices.

Figure 6 Hillgrove Gold Project Location

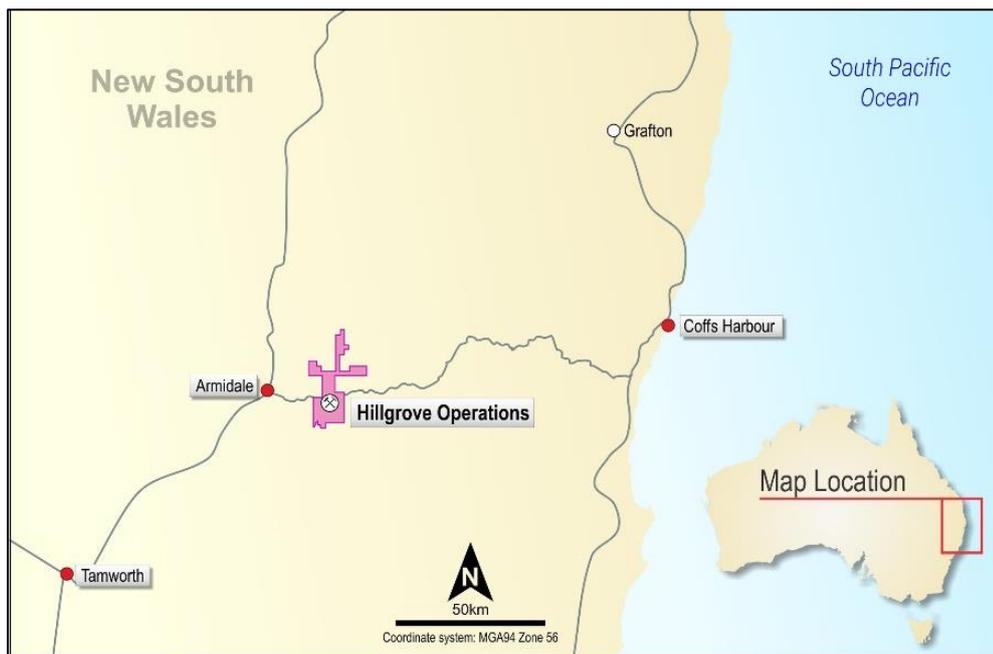


Figure 7 Hillgrove Gold Project

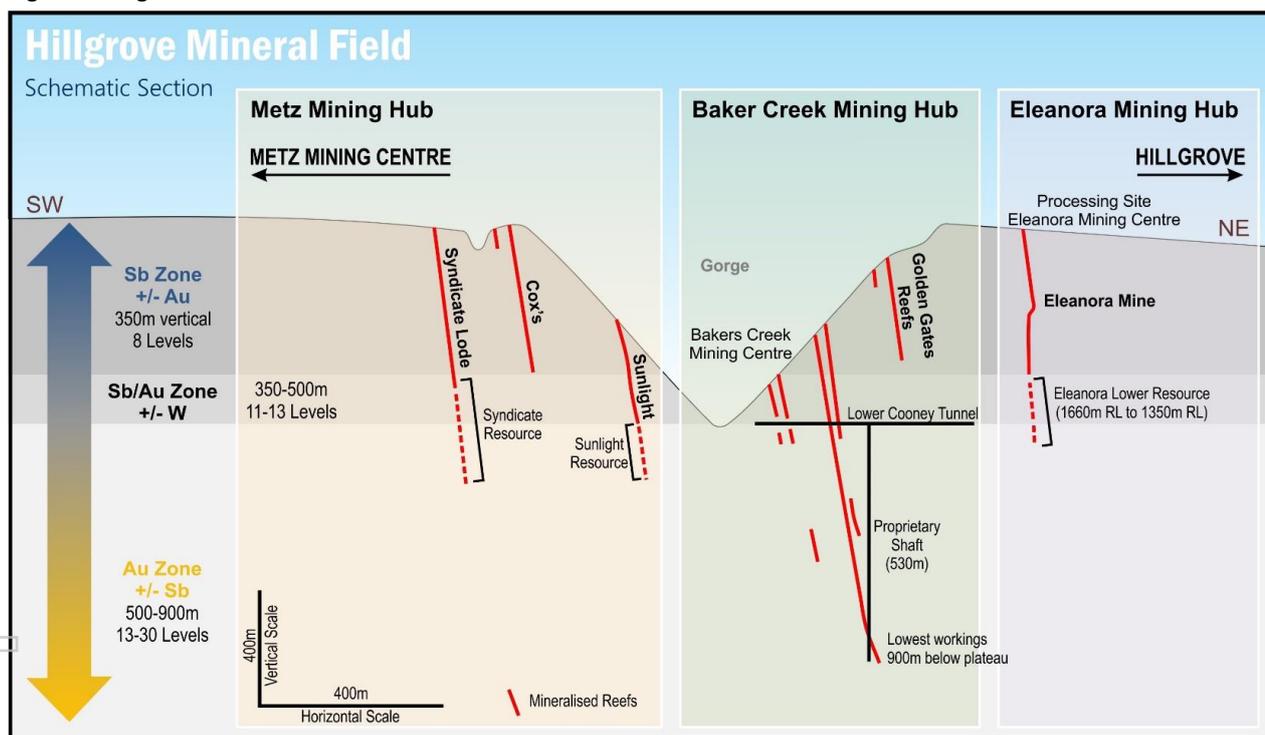


Red River estimates more than \$200 million has been invested in the Hillgrove Gold Project since 2004 in the following key areas:

- 250ktpa capacity processing plant (constructed in 2008/2009), capable of producing saleable gold and gold-antimony concentrates. Additional antimony alkali leach and electrowinning circuit, pressure oxidation circuit, gold cyanide leach circuit and gold room;
- Offices, warehouses, assay lab and maintenance facilities;
- Underground mining fleet and surface vehicle fleet;
- Lined tailing storage facility with approximately 2 years capacity; and
- Extensive underground development (>10km)

Orogenic gold-antimony-tungsten mineralisation at Hillgrove is hosted in multiple steeply dipping vein/shear systems contained within the Hillgrove Mineral Field. There is a strong zonation in the vein systems transitioning from shallow antimony dominant mineralisation to gold dominant mineralisation at depth. All known vein systems are open at depth, with potential transition to high grade gold dominant mineralisation at depth

Figure 8 Hillgrove Mineral Field Schematic Section



The Hillgrove Mineral Field covers approximately 9km x 6km, with more than 200 individual mineral occurrences identified in field. Red River controls the entirety of the Hillgrove Mineral Field and holds 225km² of exploration leases and 17km² of mining leases (or equivalent).

Hillgrove currently has a JORC 2012 Compliant Mineral Resource of 3.0Mt @ 4.9 g/t Au & 1.6% Sb (477koz Au and 48kt Sb) and an additional material JORC 2004 Compliant Mineral Resource. For further information regarding the JORC 2004 Compliant Mineral Resource, refer to ASX release “Red River acquires Hillgrove Gold-Antimony project in NSW” dated 3 July 2019.

Table 1 Hillgrove Gold Project JORC 2012 Compliant Mineral Resource

Deposit	Classification	Tonnes (kt)	Gold (g/t)	Antimony (%)	Gold Equivalent (Au Eq. g/t)	Contained Gold (koz Au)	Contained Antimony (kt Sb)
Syndicate	Measured	170	4.4	5.5	13.4	24	9
	Indicated	56	4.7	1.7	7.2	8	1
	Inferred	4	9.3	0.3	9.0	1	0
	Total	230	4.5	4.5	11.8	33	10
Sunlight	Measured	270	9.4	0.2	9.0	82	1
	Indicated	260	7.6	0.2	7.3	64	1
	Inferred	150	6.1	0.5	6.3	29	1
	Total	680	8.0	0.3	7.7	175	2
Brackin's Spur	Measured	73	5.1	0.9	6.2	12	1
	Indicated	640	4.2	1.8	6.9	86	12
	Inferred	870	4.8	1.3	6.5	134	11
	Total	1,600	4.5	1.5	6.6	231	24
Clark's Gully	Measured	170	1.9	4.2	9.0	10	7
	Indicated	96	2.1	3.1	7.3	6	3
	Inferred	0.4	0.8	3.0	5.8	0	0
	Total	270	2.0	3.8	8.4	17	10
Bakers Creek Stockpile	Measured	-	-	-	-	-	-
	Indicated	-	-	-	-	-	-
	Inferred	225	2.5	-	2.5	18	-
	Total	225	2.5	-	2.5	18	-
Total	Measured	690	5.8	2.6	9.8	129	18
	Indicated	1,100	4.9	1.5	7.0	173	17
	Inferred	1,225	4.5	0.9	5.8	179	11
	Total	3,015	4.9	1.6	7.1	477	48

About Red River Resources (ASX: RVR)

RVR is seeking to build a multi-asset operating business focused on base and precious metals with the objective of delivering prosperity through lean and clever resource development.

RVR's foundation asset is the Thalanga Base Metal Operation in Northern Queensland, which was acquired in 2014 and where RVR commenced copper, lead and zinc concentrate production in September 2017.

RVR has recently acquired the high-grade Hillgrove Gold-Antimony Project in New South Wales, which will enable RVR to build a multi-asset operating business focused on base and precious metals. Gold production at Hillgrove is scheduled to restart at the end of CY2020.

On behalf of the Board,

Mel Palancian

Managing Director

Red River Resources Limited

For further information please visit Red River's website or contact:

Mel Palancian

Managing Director

mpalancian@redriverresources.com.au

D: +61 3 9017 5380

Nathan Ryan

NWR Communications

nathan.ryan@nwrcommunications.com.au

M: +61 420 582 887

COMPETENT PERSONS STATEMENT

Exploration Results

The information in this report that relates to Exploration Results is based on information compiled by Mr Mitchell Tarrant who is a member of The Australasian Institute of Mining and Metallurgy, and a full time employee of Red River Resources Ltd., and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activities being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (JORC Code).

Mr Tarrant consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Bakers Creek Stockpile Mineral Resource

The information in this report that relates to the estimation and reporting of the Bakers Creek Stockpile Resource is based on and fairly represents, information and supporting documentation compiled by Mr Mitchell Tarrant who is a Member of The Australasian Institute of Mining and Metallurgy and a full time employee of Red River Resources Ltd.

Mr Tarrant has sufficient experience 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'.

Mr Tarrant consents to the inclusion in the report of the matters based on the information in the form and context in which it appears. The information in this report that relates to database compilation, geological interpretation and mineralisation wireframing, project parameters and costs and overall supervision and direction of the Bakers Creek Stockpile estimation is based on and fairly represents, information and supporting documentation compiled under the overall supervision and direction of Mr Carolan.

Hillgrove Mineral Resource

The information in this report that relates to the reporting of the Hillgrove Mineral Resource Estimate reported in accordance with the JORC 2012 Code is based on and fairly represents, information and supporting documentation compiled by Rodney Webster who is a Member of The Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Mr Webster is independent of Hillgrove Mines Pty Ltd. and an employee of AMC Consultants Pty Ltd. Mr Webster has sufficient experience 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 Company confirms that it is not aware of any new information or data that materially affects the information included in the original report and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original report.

Gold Equivalent Calculation

It is Hillgrove Mines Pty Ltd opinion that all the elements included in the metal equivalent calculation have a reasonable potential to be recovered and sold, based on previous mill production and sales. The gold equivalent (Au Eq.) and the cut-off are based on the following:

- Metallurgical testwork (carried out in 2016 and 2017) and mill production data demonstrates that total gravity/float recoveries of 91% gold (Au) and 86% antimony (Sb) are achievable.
- Net smelter return calculations for the deposits indicate that Au Eq. grades above 4.8 g/t are economic, based on site costs, mill recoveries, off-site transportation and royalty costs.
- The Sunlight deposit has a particle gold component that is amenable to gravity separation that represents 20% of total gold recovery.

Au Eq. was calculated based on commodity prices as at 18 July 2017. The individual grades, the assumed commodity prices and metal recoveries, and the Au Eq. formula are as follows:

- Au Eq. (g/t) = (Au g/t * 91%) + (2.0 * Sb % * 86%)
 - Where 2.0 = (US\$7,950/100) / (US\$1,234/31.1035)
 - Gold price = US\$1,234/oz and gold recovery = 91%
- Antimony price = US\$7,950/tonne and antimony recovery = 86%

For personal use only