



# Investor Update June 2020

Authorised by Grant Craighead, Managing DirectorPh: +61 9392 8020E: gcraighead@canterburyresources.com.auCanterbury Resources LimitedACN 152 189 369Suite 108, 55 Miller St Pyrmont NSW 2009ASX: CBY

### **Disclaimer & Competent Person's Statement**

This presentation has been prepared by Canterbury Resources Limited ACN 152 189 369 (**Canterbury** or the **Company**) on the basis of information available as at 19 June 2020, for the purpose of continuous disclosure, on the basis of information already disclosed to the market but presented in a summarised manner or with a different angle or with minor updates, which may or may not affect previous disclosures. Accordingly, this presentation must be read in the context of recent disclosures to the market.

This presentation may contain certain "forward-looking statements" which may not have been based solely on historical facts, but rather may be based on assumptions, estimates, analysis and opinions of management made in light of its experience and its perception of trends, current conditions and expected developments, as well as other factors that management of the Company believes to be relevant and reasonable in the circumstances at the date that such statements are made, but which may prove to be incorrect.

The Company has prepared this presentation based on information available to it at the time of preparation. To the maximum extent permitted by law, the Company does not make any representation or give any warranty or undertaking, express or implied, as to the accuracy, fairness, sufficiency, reliability, adequacy or completeness of the material, information, opinions, beliefs and conclusions contained in this presentation, including any forward-looking statement.

No representation, warranty or undertaking, express or implied, is made or given by the Company that the material, information, opinions, beliefs and conclusions contained in this presentation will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of the Company, its related bodies corporate (as that term is defined in the Corporations Act 2001 Cth) and the officers, directors, employees, advisers and agents of those entities expressly disclaim any responsibility for the accuracy, fairness, sufficiency, reliability, adequacy or completeness of the material contained in this presentation, or any opinions, conclusions or beliefs contained in this presentation, and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission there from.

To the maximum extent permitted by the law, the Company, its related bodies corporate (as that term is defined in the Corporations Act) and the officers, directors, employees, advisers and agents of those entities disclaim any obligation to update or keep current the information contained in this presentation or to correct any inaccuracy or omission which may become apparent, or to furnish any person with any further information. Any opinions expressed in the presentation are subject to change without notice.

#### **COMPETENT PERSON'S STATEMENT**

The technical information in this report which relates to Exploration Targets, Exploration Results or Mineral Resources is based on information compiled by Mr Michael Erceg, MAIG RPGeo. Mr Erceg is an Executive Director of Canterbury Resources Limited and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Erceg consents to the inclusion in this report of the matters based on that information in the form and context in which it appears.



### Canterbury Resources Limited ASX: CBY

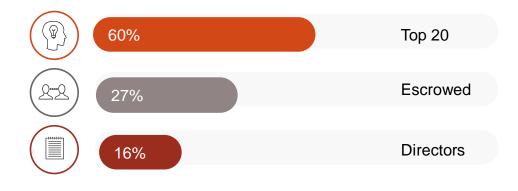


Generating potential Tier-1 copper-gold opportunities in the southwest Pacific – very high leverage to exploration success

Portfolio approach; partnering with majors to defray exploration risk and cost

Managed by resource professionals with a record of exploration success in the region

Capital Structure	June 2020	
Fully Paid Shares	87.3 million	
Share Price (19/6/20)	\$0.11	
Market Capitalisation	\$10 million	
25c options (expire 30 June 2020)	1.2 million	
40c options (expire 30 June 2021)	4.0 million	
45c options (expire 30 June 2021)	1.0 million	
50c options (expire 30 June 2021)	1.0 million	
Cash (19 June 2020)	~\$0.1m	



Suite 108, 55 Miller St Pyrmont NSW 2009 +61 2 9392 8020





Non-executive Chairman John Anderson

Managing Director Grant Craighead

Executive Director Michael Erceg

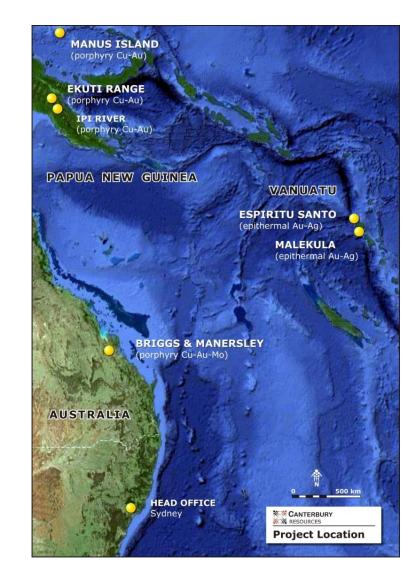
Non-executive Directors Robyn Watts Ross Moller

**Company Secretaries** Ross Moller Véronique Morgan-Smith



### **Project Overview**





#### Queensland – Multiple Cu (± Au, ± Mo) Porphyry Systems

- Briggs Region (CBY 100%) systematic testing of large porphyry Cu deposits
  - 2019 drilling broadly outlined a large, low-grade copper porphyry deposit initial Mineral Resource estimate of 142.8Mt at 0.29% Cu including higher grade features
  - Mineralisation open in all directions; further drilling proposed aimed at substantially increasing resources in the region, as well as testing higher grade features

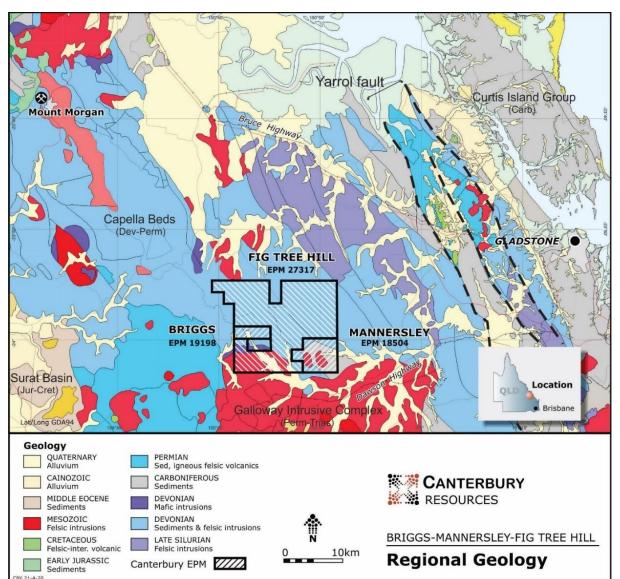
#### **PNG – Potential Tier-1 Assets in Well-Endowed Regions**

- Ekuti Range (CBY 100%) 'Golpu style' porphyry Cu-Au targets
  - Scout drilling at Ekoato (EK004: 18m at 6.23g/t Au, 13.0g/t Ag, 0.18% Cu)
  - 'Drill-ready' Cu-Mo anomaly defined at Yalua
  - Good interest from potential JV partners
- Ipi River (CBY 100%) Cu-Au-Mo porphyry system, with untested targets
- Wamum (application) Cu-Au porphyry systems proximal to Wafi-Golpu
  - Broad intervals of significant mineralisation in historical drilling
- Bismarck JV (CBY 40%, RTX 60%) porphyry Cu-Au systems on Manus Is
  - Rio Tinto managing / sole-funding assessment of large scale Cu-Au targets

#### Vanuatu – Strategic Au–Ag Prospects

· Epithermal gold-silver drill target defined at the Tafuse prospect on Santo

### **Queensland Projects - CBY 100%**





#### **Briggs & Mannersley Acquired from Rio Tinto**

- Rio Tinto retains a 1% NSR
- CBY tenements expanded following early success

#### On the Mt Morgan (8Moz Au, 350kt Cu) Trend

• Outstanding regional infrastructure (power, road, rail, port, skilled labour & industrial services)

### Extensive Copper Mineralisation Outlined at Briggs

- Historic exploration outlined shallow mineralisation at multiple porphyry style deposits – limited deep drilling
- CBY drilling at Central Porphyry zone outlined a Mineral Resource of 142.8Mt at 0.29% Cu
- Further drilling is proposed aimed at substantially expanding known resources at Briggs and delineating higher grade features
- Promising targets also generated in multiple settings across all three tenements
- Discussions commenced with various parties to support ongoing activities

### **Briggs Mineral Resource Estimate**

(at selected cut-off grades)

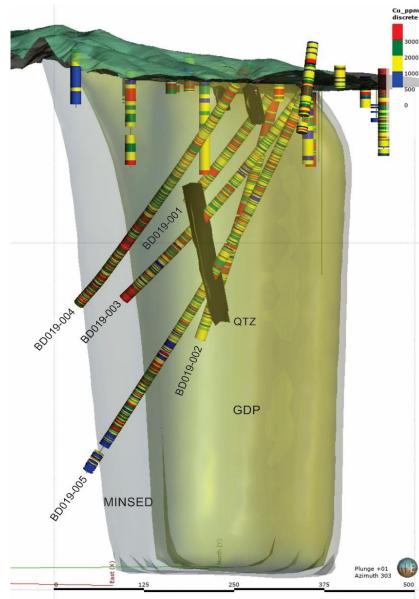


Briggs copper porphyry systems outlined over a ~2km strike length

- In 2019 CBY drilled the Central Porphyry zone over a ~600m strike, up to 400m width and to >500m depth
- Mineral Resource estimate announced 10<sup>th</sup> June
- All 2019 holes encountered broad intervals of low-grade Cu mineralisation
- Several higher grade features and mineralisation open in all directions
- Northern and Southern porphyries yet to be tested
- Follow-up infill and step-out drilling programs in planning phase

Classification	Cut-off	Tonnes	Copper
	Copper %	Mt	%
Inferred	0.1	205.1	0.25
Inferred	0.2	142.8	0.29
Inferred	0.3	50.7	0.37
Inferred	0.4	10.7	0.46

### **Briggs Composite Section**





#### **Central Porphyry Mineralisation**

- Granodiorite porphyry (GDP) and surrounding sediments (MINSED) host copper mineralisation as quartz-vein hosted and disseminated chalcopyrite
- Better grades occur at the GDP/sediment contacts and in a broad zone centred on a massive quartz zone within the GDP
- Results support a conceptual model of a parent intrusive at depth beneath the central GDP intrusion
- Sheeted quartz veins (as opposed to vein stockworks) and USTs (unidirectional solidification textures) indicate it is the upper levels of a porphyry system that are exposed

#### Future Drill Targets include:

- a putative high-grade core of the Central Porphyry system at depth,
- strong zones of copper mineralisation in the contact zone between the GDP and MINSED units, on both the eastern and western margins of the system,
- high-grade mineralization within and adjacent to quartz zones in the GDP, and
- Northern and Southern porphyry systems immediately along strike of the Central Porphyry, where widespread copper mineralization has been encountered.

Image left - Composite 3-D model of Central Porphyry (GDP) showing all drillholes with a halo of mineralised hornfelsed volcanoclastics (MINSED). Quartz zones indicated in brown,

## **Briggs Deposit – Higher Grade Features**

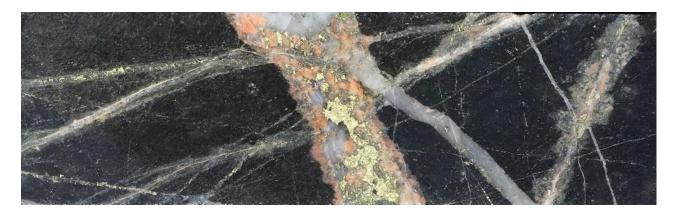




Massive quartz interval in BD019-003 28m at 0.83% Cu in the "out-flow" zone



Selected core photos of copper mineralisation from BD019-003 & BD019-004



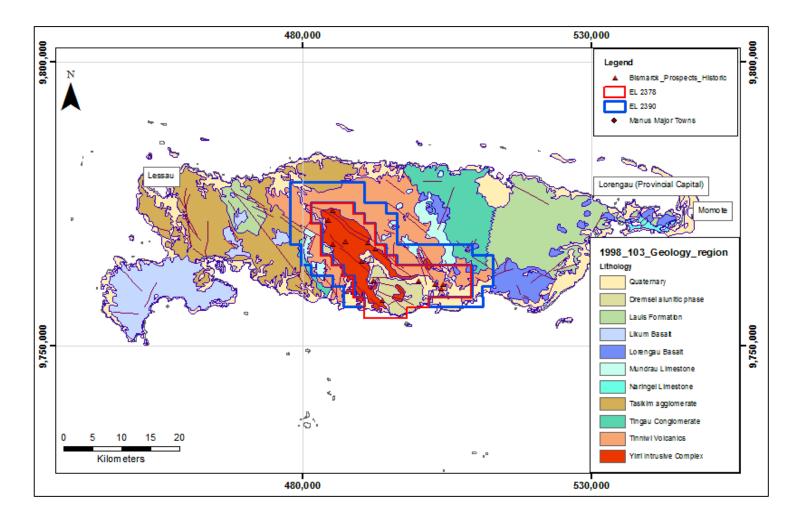
BD019-004 in 'western margin' zone. Multiphase quartz-chalcopyrite and quartz-k-feldspar veins in metavolcanics



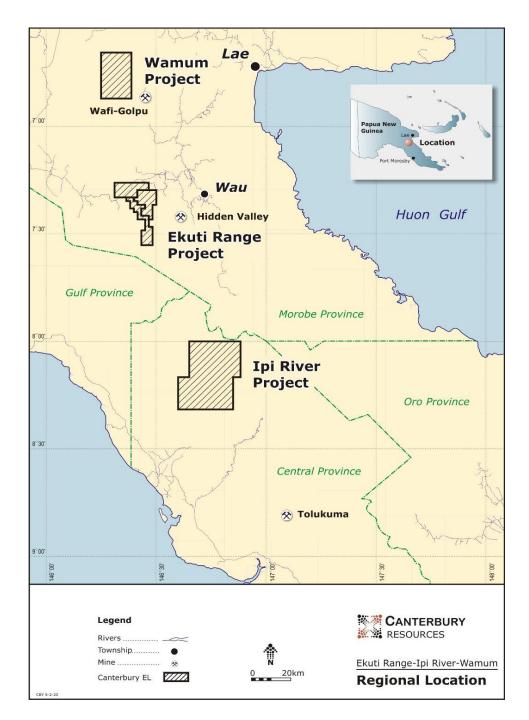
### **Bismarck Project Overview**

#### Manus Island, PNG (CBY 40%) Large Buried Cu-Au Porphyry Systems

- Rio Tinto managing and sole-funding exploration to increase JV interest from 60% to 80%
- Geophysical surveys & surface sampling identified major targets hidden beneath an advanced argillic alteration lithocap
- Drilling suspended in 2019 after experiencing difficult conditions and high costs
- Additional mapping and sampling completed, enabling re-prioritisation of drill targets
- Planning for a potential resumption of drilling in progress, including a revised operating model







### **PNG Mainland Projects**

#### Focussed on Potential Tier-1 Cu-Au Systems

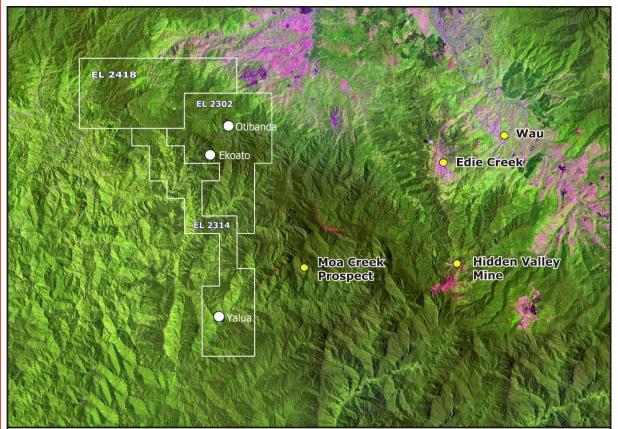
- All projects have historical drilling, demonstrating the existence of fertile copper-gold porphyry style mineralisation systems
- Prospects are relatively accessible, supporting efficient exploration

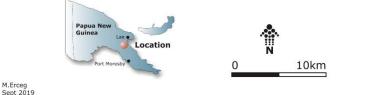
#### **CBY has Extensive PNG Experience**

- CBY personnel have a long association with Morobe Province, including drilling the discovery hole at the world-class Golpu deposit (Wafi-Golpu project owned by Newcrest/Harmony)
  - WR95: 263m at 1.86% Cu & 0.27g/t Au
- PNG Country Manager (Wanu Tamu) based in Lae
  - ~40 years exploration experience in PNG
- CBY Exploration Director (Mike Erceg)
  - ~40 years' exploration & mining experience in PNG, Australia, NZ, Vanuatu, China and the Philippines
  - Specialist in exploring southwest Pacific porphyry copper-gold and epithermal gold-silver systems

### Ekuti Range Project – CBY 100%









## Epithermal Au Lodes Overlying Cu-Au Porphyry Systems

- Historical drilling tested high grade lodes at Otibanda e.g.
  - OTI-003: 2.2m at 16.6g/t Au, 2.0% Cu
  - OTI-006: 2.5m at 15.3g/t Au, 0.3% Cu & 0.8m at 25.6g/t Au, 0.4% Cu
- CBY scout drilling at Ekoato completed mid-2019
  - Best result EK004 18m at 6.23g/t Au, 13.0g/t Ag & 0.18% Cu
  - Drilling confirms a large, mineralised Cu-Au porphyry related system
- Significant Cu target defined at Yalua
  - Porphyry stockwork zone, with coincident Cu-Mo in soils & magnetics

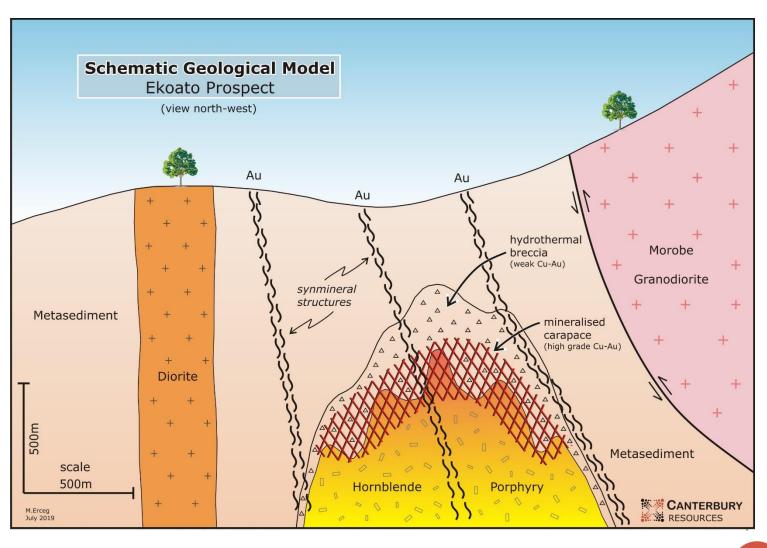
#### **Regional Involvement by Major Companies**

- ~20km west of Harmony Gold's Hidden Valley gold mine (200koz pa)
- ~50km south of Newcrest/Harmony's Wafi-Golpu Project (19Moz Au, 9Mt Cu)

## Schematic Geological Model of Ekoato Prospect

#### **Ekoato Program**

- 2019 drilling tested a zone of mineralised hydrothermal breccia overlying an interpreted intrusive (porphyry)
- Significant Cu-Au discoveries are noted at Ok Tedi in a comparable setting
- A high grade gold structure intersected in EK004 is being worked at surface by artisanal miners and may be economic in its own right
- Future drilling will target:
  - the upper parts of the intrusive and the overlying brecciated carapace; and
  - potential extensions of the high grade structure encountered in EK004

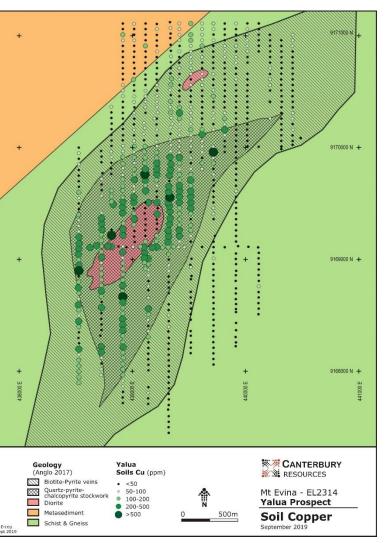


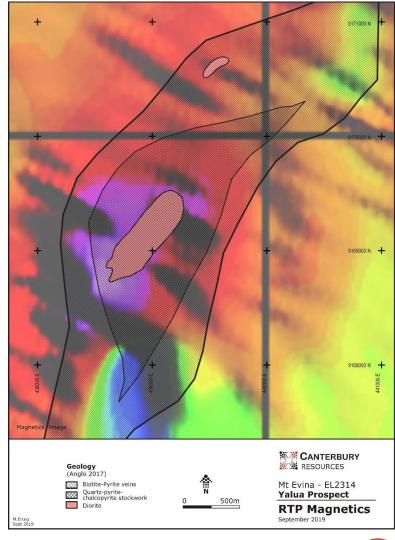


### Yalua – Undrilled Copper Prospect

- Located in the southern portion of the Ekuti Range tenements
- A significant copper-molybdenum anomaly, including:
  - A central dioritic intrusion mapped over 500m
  - Quartz-sulphide (pyrite & chalcopyrite) vein stockwork in surrounding sediments
  - A broad 1,000m by 1,000m coincident copper-molybdenum soil geochemical anomaly
  - A coincident elevated magnetic anomaly
- Planning of a potential scout drilling program in progress







### Wamum – Application

#### **Proximal to Wafi-Golpu**

- Located immediately northwest of Newcrest-Harmony's world-class Wafi-Golpu Project
  - CBY personnel drilled the Golpu discovery hole (Elders Resources / CRA JV)
    - WR95: 263m at 1.86% Cu & 0.27g/t Au
- The Wamum application area covers known copper-gold porphyry systems at Idzan Creek and Wamum

#### Very Encouraging Historical Drilling Intersections by Major Companies

- Wamum:
  - 101m at 0.50% Cu & 0.57 g/t Au (CRA)
  - 43.3m at 0.68% Cu & 2.09g/t Au (Highlands Gold)
  - 150m at 0.50% Cu & 0.60g/t Au (Barrick)
- Idzan Creek
  - 36m at 0.49% Cu & 1.79g/t Au (CRA)
  - 136m at 0.33% Cu & 0.97g/t Au (Barrick)
  - 270m at 0.25% Cu & 0.56g/t Au (Newcrest)



### **Summary & Milestones**



#### A High Leverage Copper-Gold Explorer

- Southwest Pacific exploration experts, with a successful track record
- Strong portfolio of large scale Cu-Au and Au-Ag prospects established in proven mineral provinces
- Cu-Au porphyry explorers provide very high leverage to exploration success

#### **Near Term Activity**

- SE Queensland: Planning of a high-impact infill and extension drilling program well advanced Discussions commenced with potential JV parties, as a funding mechanism Applications submitted under Queensland's Collaborative Exploration Initiative
  Ekuti Range: Planning for follow-up of high grade Au-Cu drill results at Ekoato Assessing logistics for a scout drilling program at Yalua Discussions commenced with potential JV partners
  Bismarck: Potential resumption of drilling of large-scale, buried Cu-Au porphyry targets Alternate operating options being assessed
- Wamum: Strategic tenement application moving through the granting process
- Vanuatu: Assess options to advance the Tafuse epithermal Au-Ag prospect on Santo
- Other: Monitor opportunities emerging during the COVID-19 pandemic





### **Thank You**