

## Drilling Completed at the Lamil Cu-Au Project in Paterson Province

- Program of four diamond drill holes (1,807m) completed at the 100% owned Lamil Copper-Gold Project (“Lamil”) located in the Paterson Province of Western Australia
- Drill holes ETG0203 and ETG0204 targeting modelled IP anomalies intersected thick zones of strongly altered brecciated sediments containing sulphides at the targeted depth
- Drill hole ETG0201 which targeted an open, broad zone of copper-gold mineralisation at the Gap prospect intersected a 15m wide zone of limonite-goethite altered quartz veining from 40m depth
- Core samples are currently being transported to Perth with first assays from priority zones expected in May 2020
- Drilling program co-funded for up to \$150,000 under the WA Government Exploration Incentive Scheme

The directors of Encounter Resources Ltd (“Encounter”) are pleased to advise of the successful completion of the diamond drill program at the 100% owned Lamil Copper-Gold Project in the Paterson Province of Western Australia.

### **Commenting on the drilling at Lamil, Encounter Managing Director Will Robinson said:**

“The initial diamond drill program at Lamil targeting large scale copper-gold prospects in the fertile Paterson Province has been completed. Encouragingly, the targeted IP anomalies at Lamil have been intersected and relate to thick zones of disseminated and blebby sulphides within strongly altered brecciated sediments. Priority zones have been sampled for assay with first results expected in May 2020.”

### **Background**

Lamil covers an area of ~61km<sup>2</sup> and is located 25km northwest of the major gold-copper mine at Telfer, owned by Newcrest Mining Ltd (ASX:NCM). Lamil is adjacent to a major regional gravity lineament which marks the location of a significant structure and deformation zone that would have acted as a major pathway for ore forming fluids during the formation of the Proterozoic aged deposits. This is a regionally similar structural context to the setting of Rio Tinto Ltd’s (ASX:RIO) Winu copper-gold deposit (Figure 3).

Shallow drilling completed in the 1980s by Newmont, which was targeting a series of magnetic anomalies, intersected thick zones of strong copper-gold anomalism. The level of metal anomalism in the historical drilling is considered significant given the recent learnings from Rio Tinto’s Winu discovery and the Havieron gold-copper project operated by Newcrest and Greatland Gold.

Airborne EM and IP surveys were completed at Lamil in the second half of 2019 (refer ASX release 5 August 2019). These geophysical surveys significantly enhanced the geological and structural interpretation of the project and highlighted the compelling targets that were tested in this recent diamond drill program.

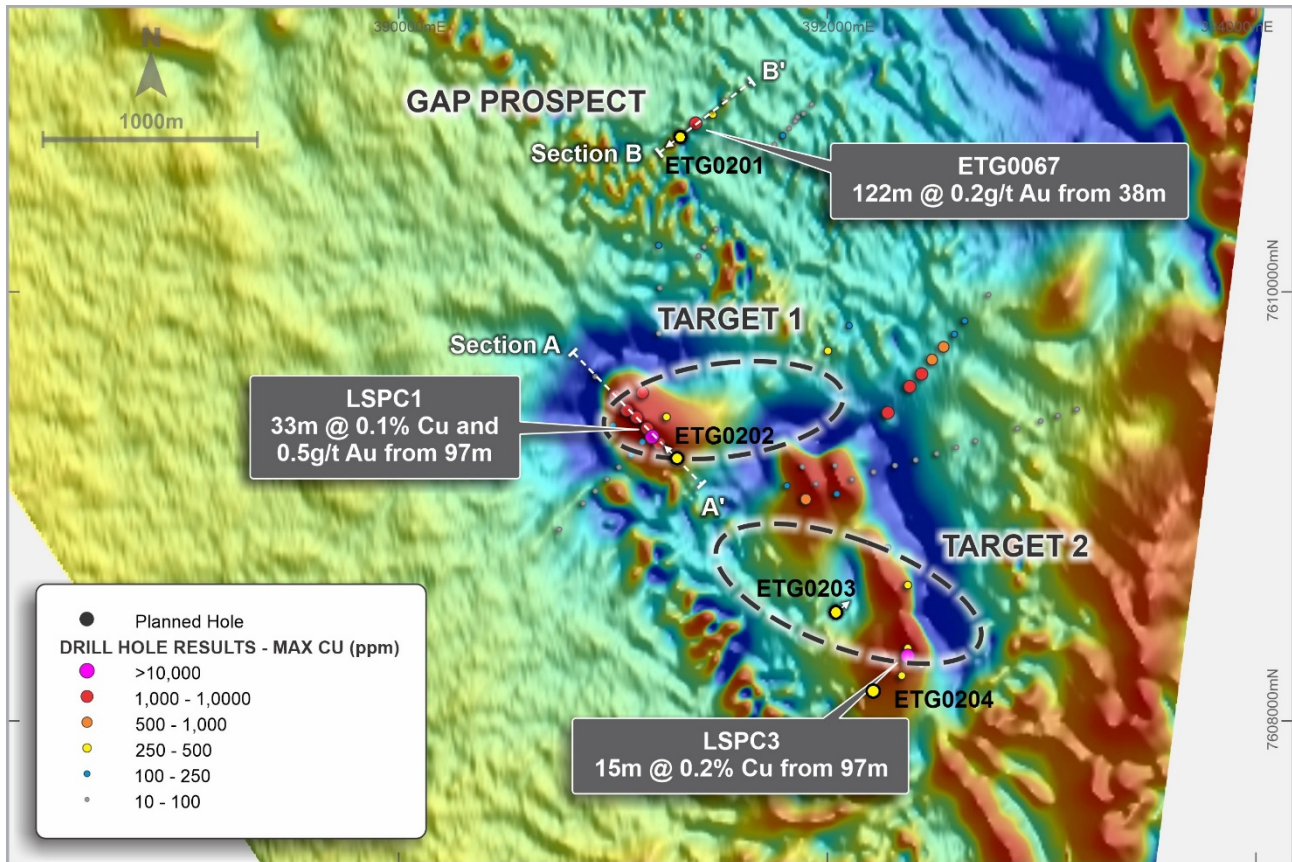


Figure 1 – Drill hole locations on aeromagnetic background (refer ASX release 27 May 2019):

### Target 1 – IP chargeability anomaly below thick zones of copper-gold anomalism

A single diamond drill hole (ETG0202) was completed at Target 1 to a depth of 637m to test a semi-coincident magnetic and chargeability anomaly below zones of copper-gold anomalism intersected in shallow historical drilling. Visual observations of the drill core from ETG0202 indicate that the drilling intersected a broad interval of weakly fractured interbedded siltstones and wackes with associated fine disseminated sulphides at around the depth of the modelled IP target.

### Target 2 – IP chargeability anomaly coincident with magnetic low

Chargeability anomalies have been identified across the three southern IP lines adjacent to a corridor of magnetic anomalism (Figure 1). These anomalies outline an 800m WNW trending corridor that is discordant to stratigraphy.

Two diamond drill holes (ETG0203 and ETG0204) were completed at Target 2 for a total of 868m. Both holes targeted modelled IP anomalies and intersected 60-80m wide zones of brecciated, fractured and veined intercalated metasediments with associated intense alteration (see Photos 1 & 2). Through these zones, sulphide content from trace levels up to 10% sulphide were noted in association with the stronger brecciation and alteration (sulphides dominantly pyrite and pyrrhotite and lesser arsenopyrite and chalcopyrite).





Photos 1&2 ETG0203. Photo 1 (~185-190m) Brecciated and altered sediments containing disseminated and blebby sulphides. Photo 2 (~187m) Coarse euhedral pyrite and fine pyrite alteration within silicified and brecciated sediment

Hole_ID	Hole_Type	MGA_Grid_ID	MGA_North	MGA_East	MGA_RL	Azimuth	Dip	EOH Depth
ETG0201	DIAMOND	MGA94_51	7610718	391338	285	220	-60	302.9
ETG0202	DIAMOND	MGA94_51	7609272	391303	281	310	-65	636.7
ETG0203	DIAMOND	MGA94_51	7608529	392046	287	040	-60	393.9
ETG0204	DIAMOND	MGA94_51	7608139	392237	287	040	-60	475.2

Table 1: Diamond drill hole collar locations and drill hole information

### Target 3 – Gap prospect – Open broad zone of gold-copper mineralisation

The Gap prospect is a structural target with a strong copper-gold-bismuth geochemical vector to the south-east identified in drilling completed in 2017 (Figure 2). This target was tested by a 100m step out diamond drill hole (ETG0201) drilled to a depth of 302m. ETG0201 intersected a 15m wide zone of limonite-goethite altered quartz veining from ~40m within a fractured and silicified sandstone. Other veined and altered zones were identified at 95m and 150m downhole. Other veined and altered zones were identified at 95m and 150m downhole.

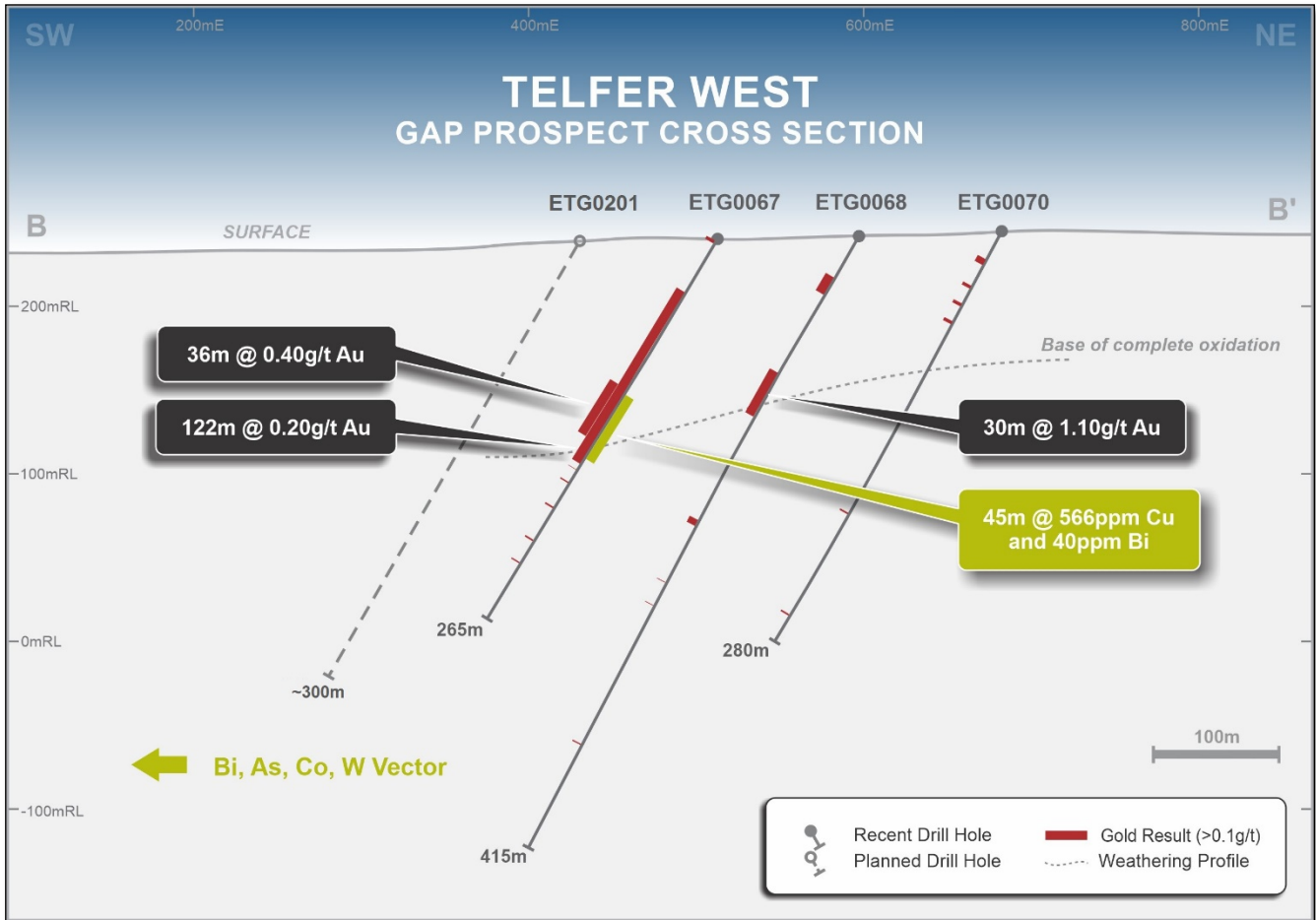
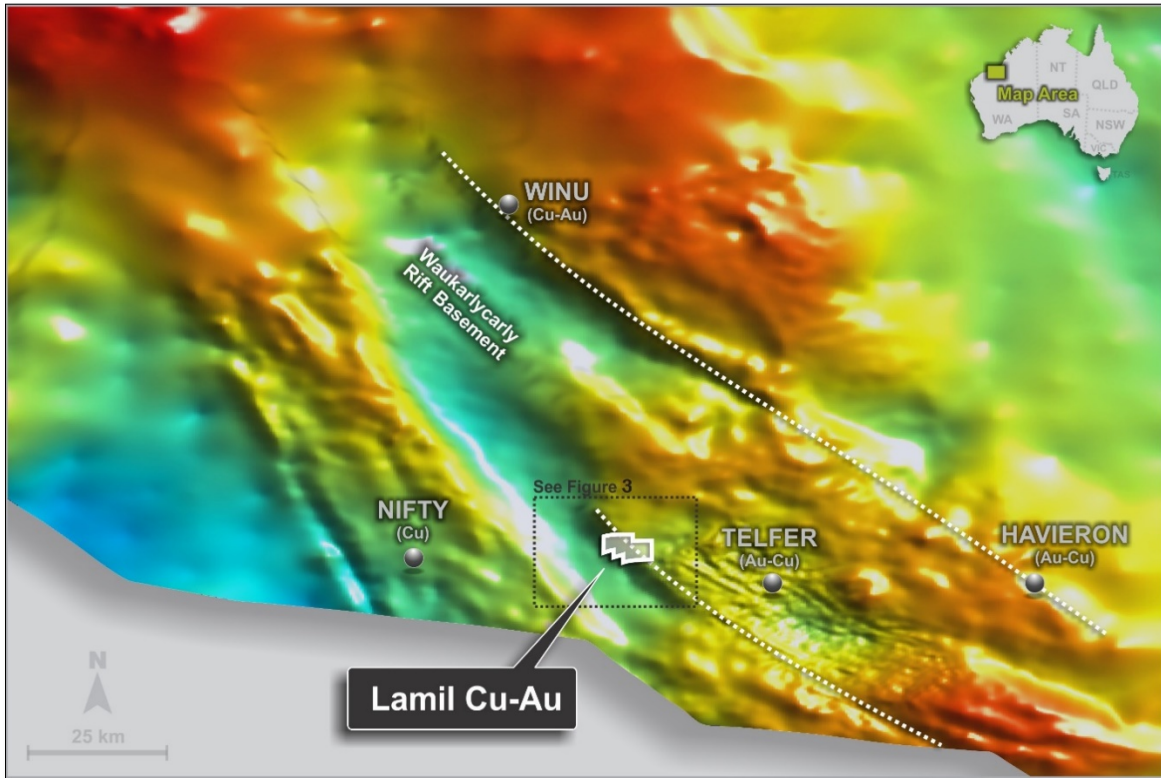


Figure 2 (Section B on Figure 1) – Gap prospect (see ASX release 31 July 2017)

### Upcoming Activity

Drill core and samples from the four diamond drill holes are being transported to Perth. Priority zones have been sampled with first assays expected in May 2020.



**Figure 3 – Regional gravity over Seebase depth to Proterozoic basement image (red = shallow, blue = deep)**

*The information in this report that relates to Exploration Results is based on information compiled by Mr. Peter Bewick who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Bewick holds shares and options in and is a full time employee of Encounter Resources Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Bewick consents to the inclusion in the report of the matters based on the information compiled by him, in the form and context in which it appears.*

*The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases and the form and context of the announcement has not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from the original market announcements.*

*This announcement has been authorised for release by the Board of Encounter Resources Limited.*





## About Encounter

Encounter Resources Limited is one of the most productive project generation and active mineral exploration companies listed on the Australian Securities Exchange. Encounter's primary focus is on discovering major gold deposits in Western Australia's most prospective gold districts: the Tanami, the Paterson Province and the Laverton Tectonic Belt.

The Company is advancing a highly prospective suite of projects in the Tanami and West Arunta regions via joint ventures with Australia's largest gold miner, Newcrest Mining Limited (ASX:NCM).

Complementing its expansive gold portfolio, Encounter controls a major ground position in the emerging Proterozoic Paterson Province where it is exploring for copper-cobalt deposits with highly successful mining and exploration company IGO Limited (ASX:IGO), and intrusive related copper-gold deposits at its 100% owned Lamil Project.

In addition, project generation activities in the Northern Territory utilising new Geoscience Australia datasets has resulted in Encounter securing the first mover Elliott and Jessica copper projects.

### For further information, please contact:

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