

## ASX ANNOUNCEMENT

### ASX & Media Release

28 July 2020

### ASX Symbol

GRL

### Godolphin Resources Limited

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### Directors

Jeremy Read  
*Non-Executive Chair*

Ian Buchhorn  
*Non-Executive Director*

Doug Menzies  
*Non-Executive Director*

### Management

David Greenwood  
*Chief Executive Officer*

### Issued Capital

Fully Paid Ordinary Shares  
67,975,299

Unlisted options  
exercisable at \$0.25  
20,000,000

exercisable at \$0.20  
29,260,213

ACN 633 779 950

## QUARTERLY ACTIVITIES REPORT

### For the Quarter ended 30 June 2020

#### Corporate

Godolphin Resources Limited (Godolphin ASX: GRL) holds a portfolio of assets with JORC 2012-compliant mineral resources and highly prospective exploration tenements in the Lachlan Fold Belt of NSW, Australia.

The cash balance of GRL at 30 June 2020 was \$4.86 million.

During the June 2020 Quarter loyalty options were issued to all eligible shareholders.

#### Operational Highlights

During the Quarter, Godolphin focussed on advancing its projects in preparation for drill programmes planned at the key projects of Mt Aubrey, Copper Hill East (CHE), Gundagai North and Gundagai South in July/August 2020.

- **Mt Aubrey:** Identification of drill targets for the Phase 2 drilling, which follows the Phase 1 RC programme completed in the March Quarter, identified both unmined near surface supergene gold mineralisation, and deeper gold intersections in fresh hypogene ore. Significant assay results included:
  - 22m @ 2.15 g/t Au from 22m in MAGRC0008
  - 16m @ 1.2 g/t Au from 72m in MAGRC0011

The Phase 2 drill programme, to commence in late July 2020, will follow up on Phase 1 drill holes in addition to targeting new areas close to the historical pits which include geophysical targets, all previously untested by drilling.

- **Copper Hill East (CHE):** Additional soil samples collected to infill and better define a previously identified zone of elevated copper-in-soil samples has assay results pending. Native copper in rock specimens defined a strike extent of at least 500m (within a continuous zone of elevated copper-in-soil samples of 5km strike length). Geological mapping over the zone highlighted abundant native copper in mafic volcanic rocks. Rock specimens have been submitted for petrographic analysis to determine the style of mineralisation. A ground-magnetic survey and a drill programme will commence in August 2020.
- **Gundagai North & South:** Following the successful delineation of a zone of highly elevated gold-in-soil and rock chip samples at Gundagai North and South in early 2020, detailed geological mapping has now been completed. Mapping identified three high quality prospects to be drill tested at Gundagai South (Surprise North, Highway & Stoney Creek South) and three prospects at Gundagai North (Emu, Johnson's Hill & Manton's). Gold mineralisation at all prospects is hosted in quartz veins developed in porphyritic dykes which have intruded Silurian sediments and volcanics. Historical artisanal mining has taken place at all prospects. Drilling is expected to commence in late August 2020 to test these prospects.

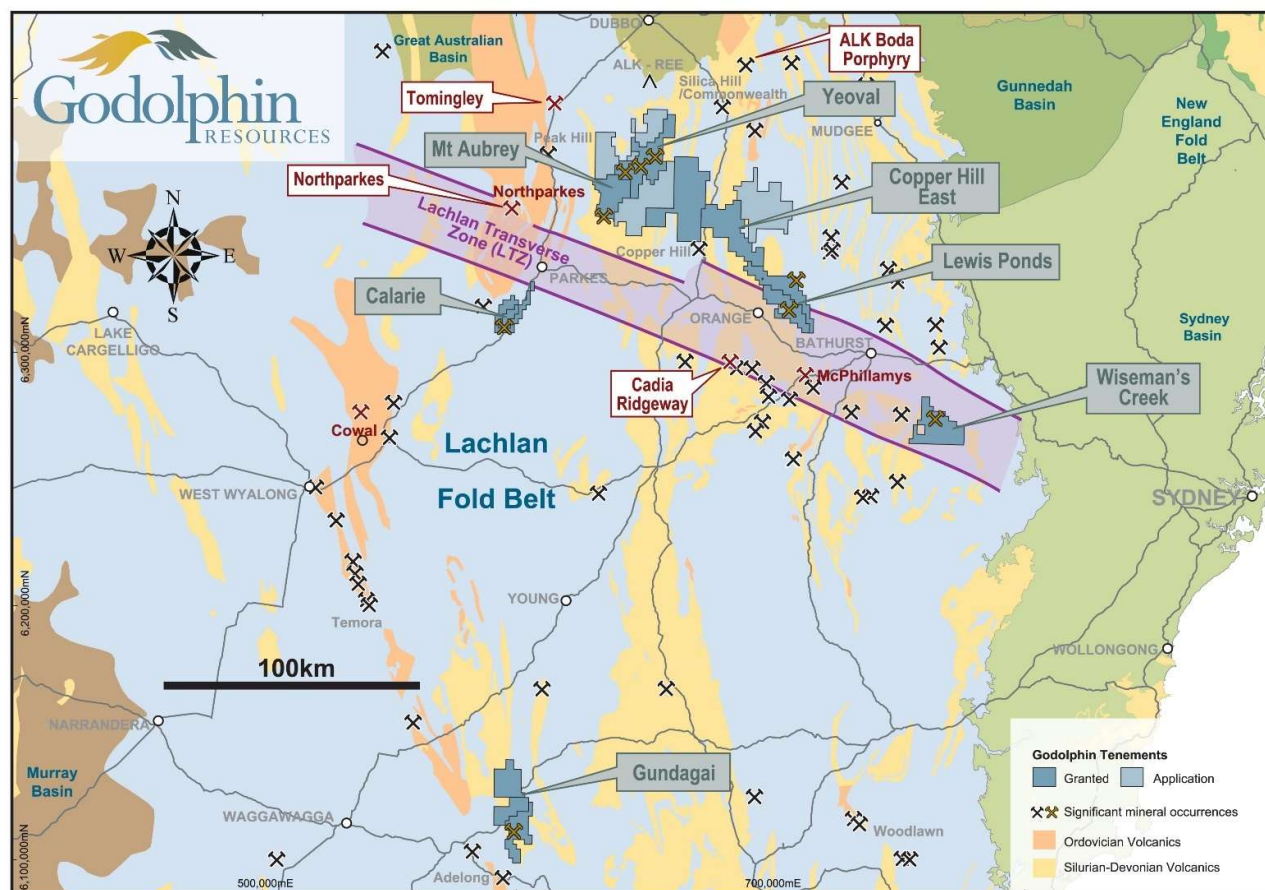


Figure 1: Location of tenements and overall project areas

## Mt Aubrey – EL8532 (GRL 100% ownership)

### About

Mt Aubrey EL 8532 is located approximately 40km northeast of Parkes and 70km northwest of Orange and is prospective for epithermal gold-silver and porphyry gold-copper-molybdenum deposits. Mt Aubrey is strategically located 50km southeast of the Tomingley gold operation with its Carbon-in-pulp (CIP) plant.

At Mt Aubrey BHP mined approximately 120,000 tonnes of ore grading 3.3 g/t Au which were transported to their London-Victoria mine and processing plant near Parkes. BHP's mining was completed in the early 1990s and the three open pits mined by BHP have been backfilled.

Gold mineralisation at Mt Aubrey is hosted in east-west trending epithermal quartz veins with a strike length of approximately 6km.

Godolphin's Mt Aubrey Project Phase 1 drill programme commenced in late January 2020. 14 RC drill holes were completed for a total of 1,734 metres (see ASX announcement 20 March 2020). All drill holes intersected epithermal gold-style veins and alteration, and the majority of drill holes reported elevated gold values, and five holes returned greater than 1 g/t Au over broad intervals.

There were two standout holes. MAGRC0008 intersected a 22-meter-wide mineralised envelope from 22m below surface (including 6m at 7.21 g/t from 30m down hole) and MAGRC0011 intersected 28m @ 0.92 g/t Au from 60m (including 16m @ 1.1 g/t Au from 72m).

### Quarterly Activity

During the June Quarter Godolphin planned a drill programme. Preparation for the drill programme included the processing of data from the Phase 1 programme completed in February 2020, field geological mapping, re-interpretation of results from an Induced Polarisation (IP) survey undertaken by previous tenement holder YTC in 2011, and the completion of a ground-magnetic survey. This work has helped define drill targets around the historically mined pits.

Four holes of the Phase 2 drill programme at Mt Aubrey will target projected vein locations in the basalt host above the sediment contact (including the contact itself), east of MAGRC0011. Three holes are designed to test two geophysical targets identified from the YTC IP survey, and validated by the Godolphin ground magnetic survey. At least one drill hole will test the occurrence of supergene enriched gold in the weathered zone.

The IP survey identified several zones of elevated chargeability and resistivity which are potentially indicative of disseminated pyrite or gold-bearing quartz veins, respectively. The drilling programme will target areas which exhibit both elevated IP chargeability and resistivity, zones of magnetite depletion identified in ground magnetic data, as well as ferruginous quartz-after-platy calcite textured epithermal gold-bearing quartz veins.

One hole will be drilled to test a zone of silica altered felsic volcanics with coincident IP resistivity and chargeability high.

Two holes are designed to the north of the drill hole mentioned above, targeting a coincident IP chargeability anomaly named the "Boomerang prospect" and a fault, manifest as a zone of magnetite depletion interpreted from the ground magnetic data.

A fourth hole will test for shallow supergene enriched gold mineralisation between the historical Main and Central Pits.

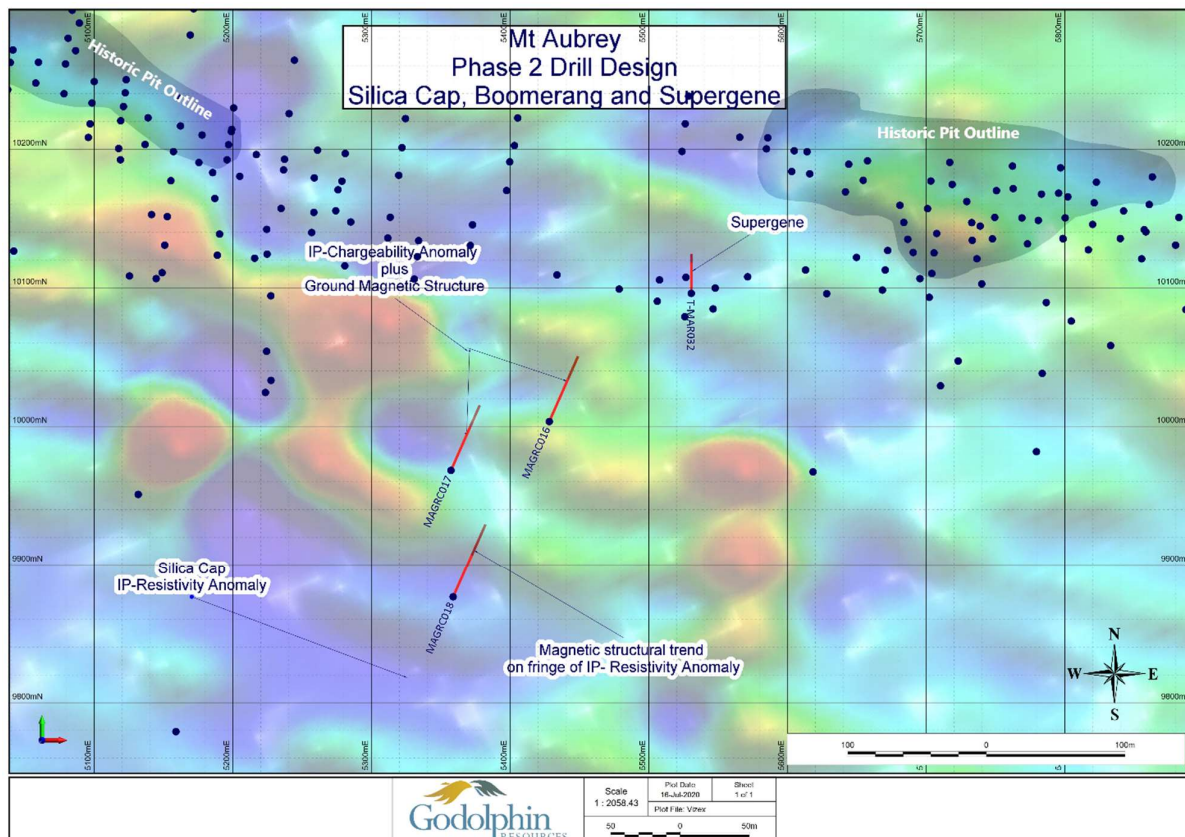


Figure 2: Image showing the reduced-to-pole (RTP) processed ground magnetic data along with the proposed RC drill holes for the Silica Cap, south Boomerang areas and the supergene horizon



Four drill holes will target the projected location of the mineralised quartz veins intersected by MAGRC011 east of the historic Main Pit, while also testing the recently identified faults defined by the zone of magnetite destruction within the same mineralised corridor.

Two of the above mentioned holes are designed to intersect gold-bearing quartz veins in the favourable basalt host just above the sediment contact. The remaining two holes will test the same mineralised veins at a shallower depth near the fresh rock horizon (see Figure 3 below).

Total designed drilling meters in Phase 2 is approximately 700m.

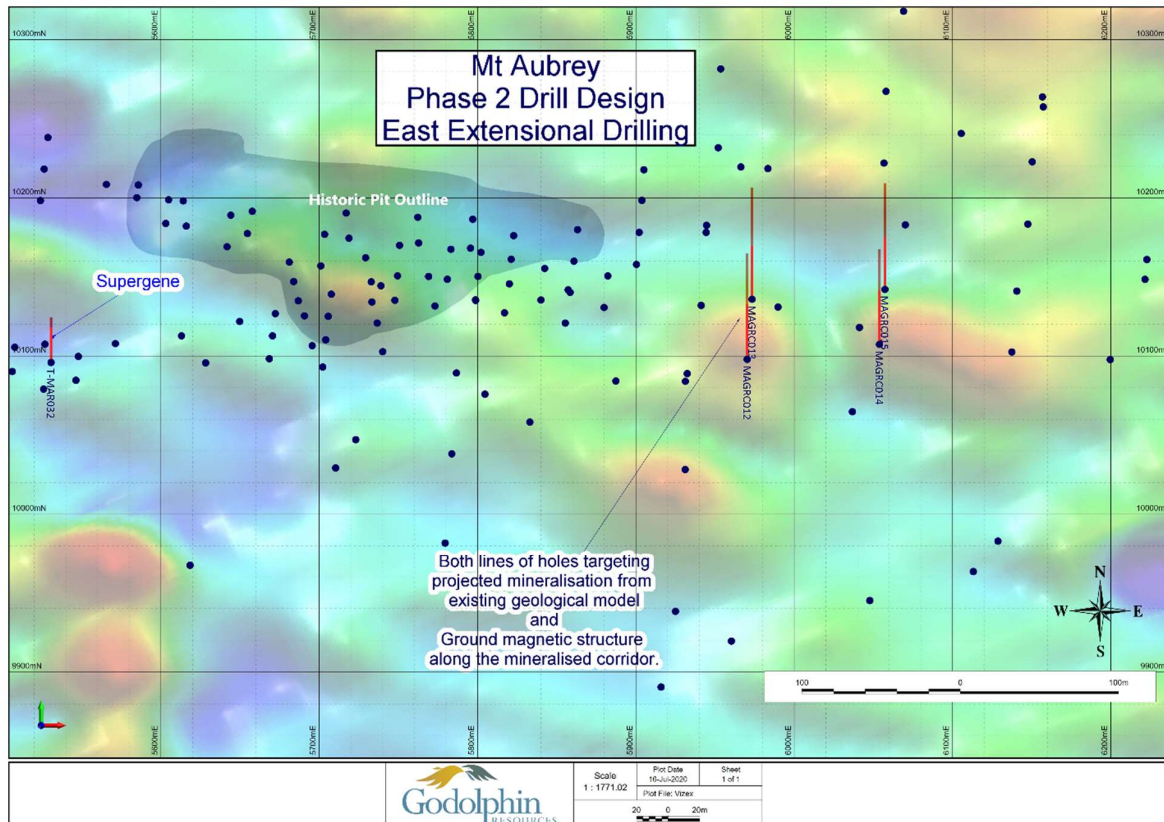


Figure 3: Image showing the RTP magnetic map along with the proposed RC drill holes for the eastward extension of Au-bearing quartz veins east of the historic pit. (NOTE: although there are historic collars in this area, GRL are the first to test this area at depth)

## Copper Hill East – EL8556 (GRL 100% ownership)

### About

The Copper Hill East Project (CHE) consists of EL8556 of 290 km<sup>2</sup> located 35 km north of Orange. It is surrounded by several other GRL tenements including EL8890 (Cumnock) to the west, EL8901 (Caledonian) to the east, and ELs 8323 (Ophir) and 5583 (Lewis Ponds) to the south (see Figure 4). A further tenement (ELA5812) located on the eastern side of EL8556 is currently under application.

This Project is located within the eastern Molong Volcanic Belt and has the potential to host various types of mineral deposits including porphyry gold-copper and orogenic gold. The tenements have a similar geological setting to that of the porphyry gold-copper deposits hosted at Cadia-Ridgeway approximately 55km to the south, and the Boda porphyry gold-copper project located approximately 60km to the north of CHE.

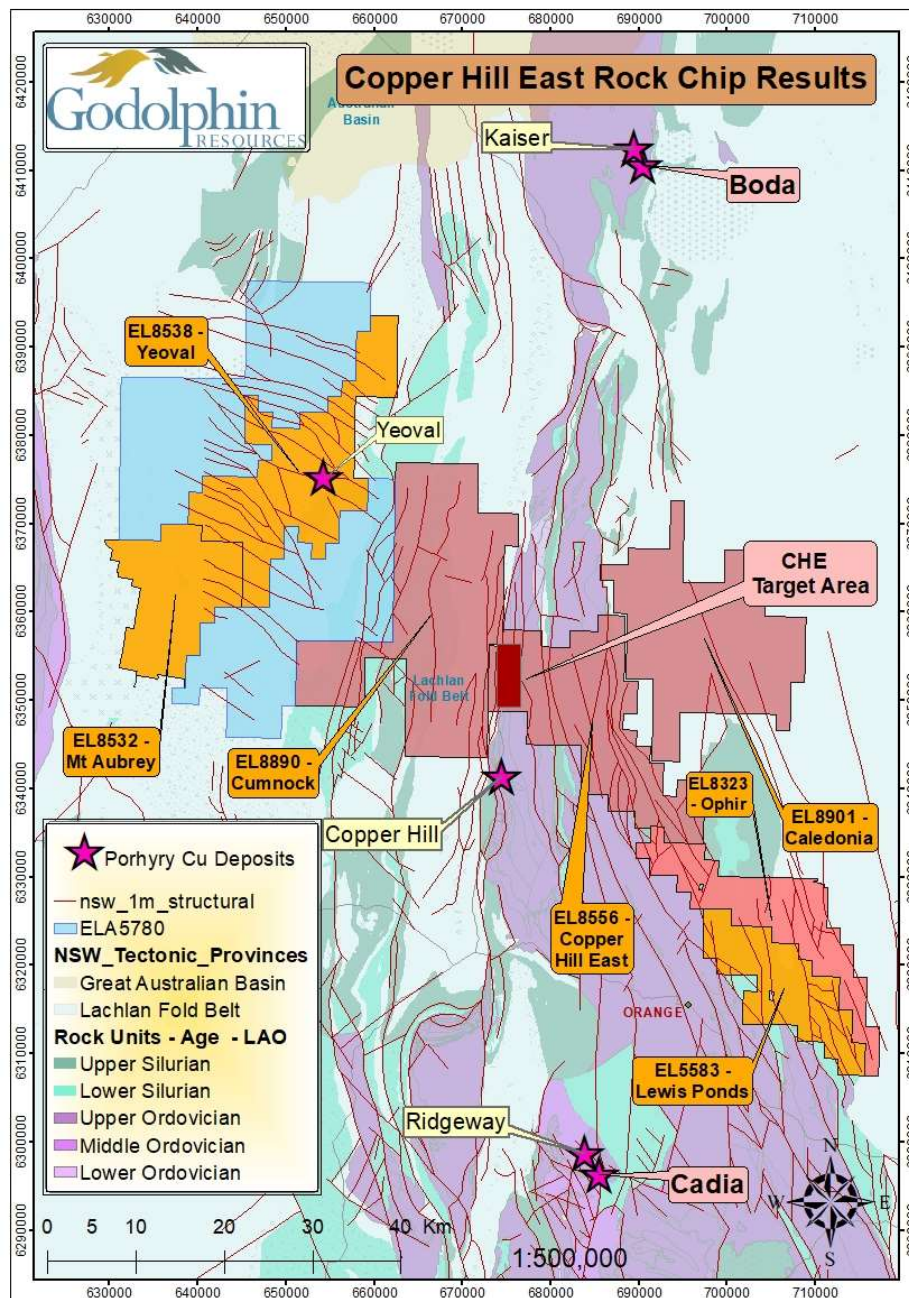


Figure 4: Map of the Molong Volcanic Belt from Boda in the north to Cadia in the south, including GRL's CHE and surrounding tenements

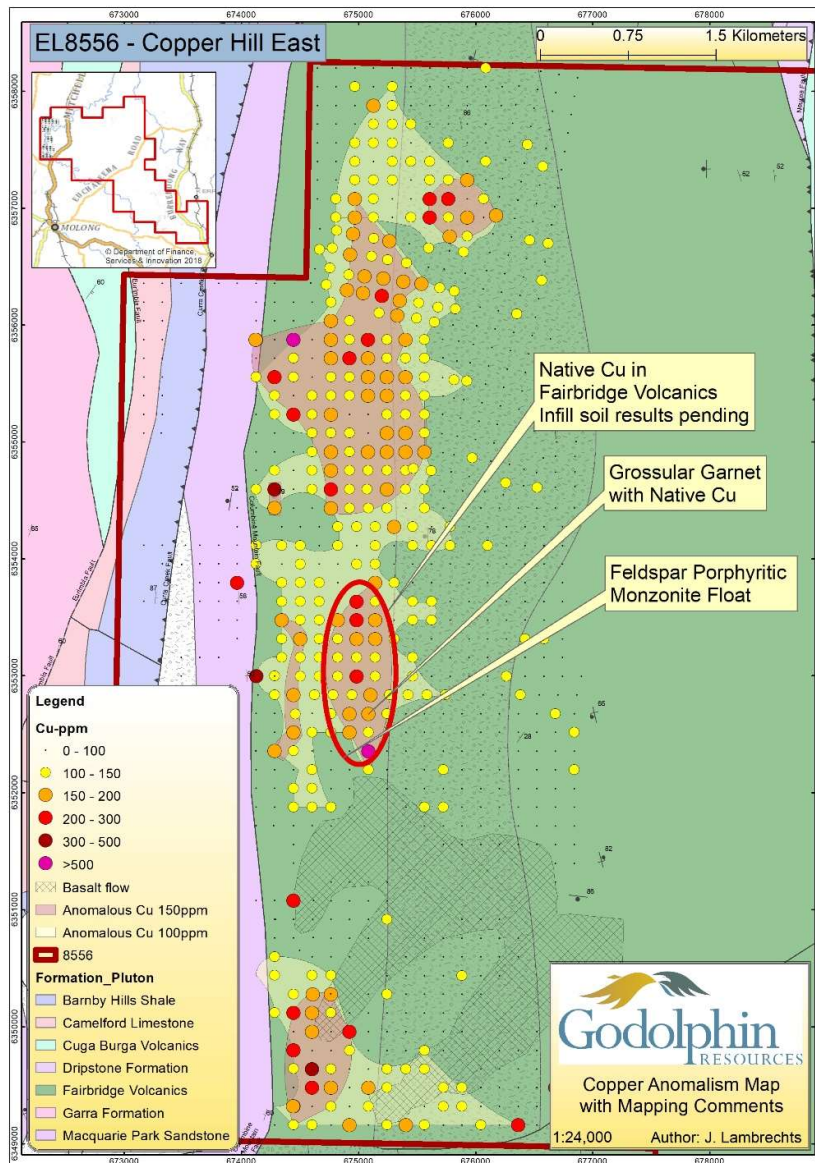
Initial field work at CHE in 2019 included geological mapping and soil auger samples collection survey over approximately 7km. This field work was conducted in the northwest section of the tenement and identified a 1.5km × 1.2km zone of elevated copper-in-soil samples (150-500 ppm Cu). Godolphin extended this soil survey in late 2019 and January 2020, in addition to taking rock chip samples in areas of porphyry-style alteration, in prospective host rocks.



Assay results returned from the soil and rock chip samples at CHE received during the March Quarter confirmed an extended area of elevated copper. These soil results significantly extended the zone of elevated copper-in-soil samples previously identified, and outlined four zones of elevated copper, with a combined surface area of 6.3km<sup>2</sup>. The same zones of elevated copper also reported elevated gold with values up to 141ppb Au.

## Quarterly Activity

During the June quarter 2020 Godolphin continued to extend the copper and gold soil anomalies identified at CHE.

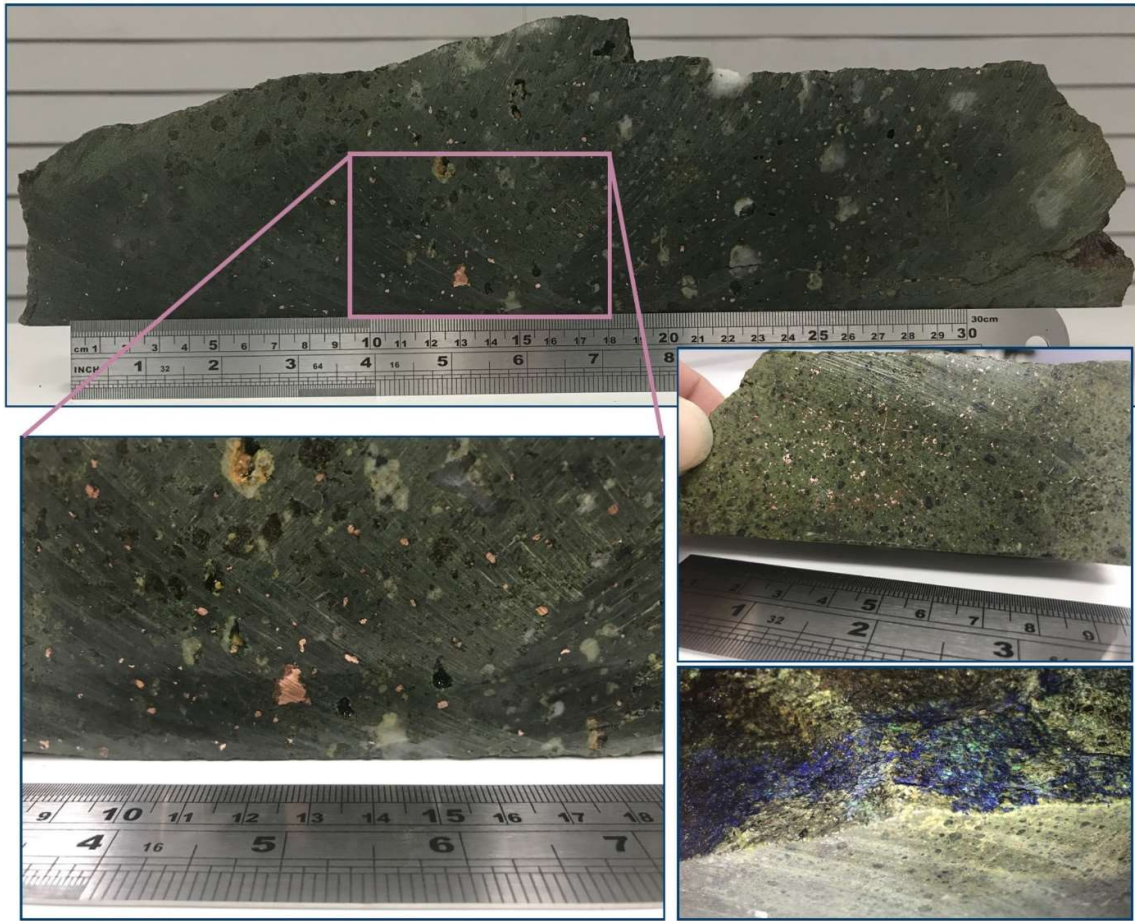


In preparation for drilling, detailed mapping was undertaken in addition to infill soil sampling, in the areas of high Cu-in-soils and native copper in surface float rock sample. This tightened the original soil grid in this area from 160m by 160m to between 40m and 80m. At quarter end, soil sample assays were awaited (see ASX announcement 21 May 2020).

Mapping in the southern portion of the zone of elevated copper-in-soil samples found native copper/malachite in rocks associated with strong epidote alteration, and the presence of a feldspar porphyritic monzonite float. Rock specimens were sent for petrographic analysis to determine the genesis of mineralisation.

A ground magnetic survey was undertaken in early July over the areas with anomalous soil and rock chip samples at CHE to further define drill targets.

Figure 5: Map of the soil survey results on CHE



*Figure 6: Rock samples with native copper, malachite and azurite from the Copper Hill East project*

### **Gundagai gold-copper project – EL8061, EL8586 and EL8889 (GRL 100% ownership)**

#### **About**

The Gundagai tenements are located 315km southwest of Sydney in the Lachlan Fold Belt. The tenements contain a number of historical gold and base metal artisanal mines workings hosted within a belt of basaltic rocks intruded by quartz-porphyritic dykes or sills. Within Gundagai South (EL8061) the Big Ben Trend of prospects includes historic gold mines at Big Ben, Surprise Mine, Rogart, and Haslets Hill which extend over a strike length of approximately 4km. Gundagai North (EL8586) includes the historic Emu gold artisanal mine workings.

During late 2019, Godolphin undertook follow up soil and rock chip samples at approximately 400 locations at the Gundagai South and North prospects (see ASX announcement 17 February 2020).



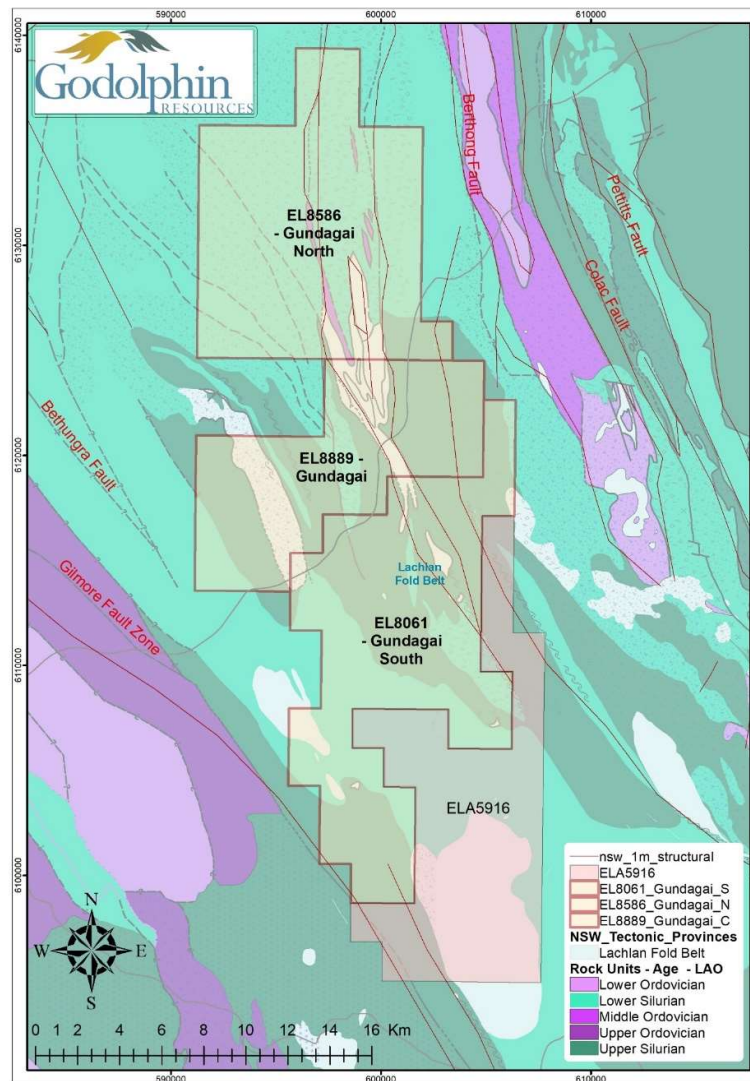


Figure 7: Plan of Godolphin Resources tenement holdings around Gundagai, including the new licence application ELA5916 south of EL8061

### Quarterly Activities

During the June 2020 Quarter, detailed geological mapping to design drill holes was completed. Geological mapping identified several key targets located in three prospects to be drill tested (Emu, Johnson's Hill & Manton's). Gold mineralisation at Gundagai North is hosted in quartz veins within porphyritic dykes which intrude Silurian sediments and volcanics, and trend in a general north-south direction. Extensive historical mining has taken place at both Emu and Johnston's Hill, and artisanal mining is evident at the Manton's prospect (ASX announcement 18 June 2020). Drilling is expected to commence in late August 2020 to test all three prospects at Gundagai North, pending the receipt of the required drilling approvals from the NSW Department of Resources and Geoscience.

Highly anomalous gold-in-soils and rock chip samples previously identified key prospects at Gundagai South. Follow up geological mapping of these anomalies has now identified a number of drill ready targets at the Surprise North, Highway and Stoney Creek South prospects (see ASX announcement 29 June 2020).



As at Gundagai North, gold mineralisation at Gundagai South is located in quartz veins in porphyritic dykes or sills intruding Silurian sediments and volcanics, and trend in a generally north-south direction across the tenement. Historical gold mining has taken place at all the prospects. Drilling at all three prospects will commence following the receipt of regulatory approvals.

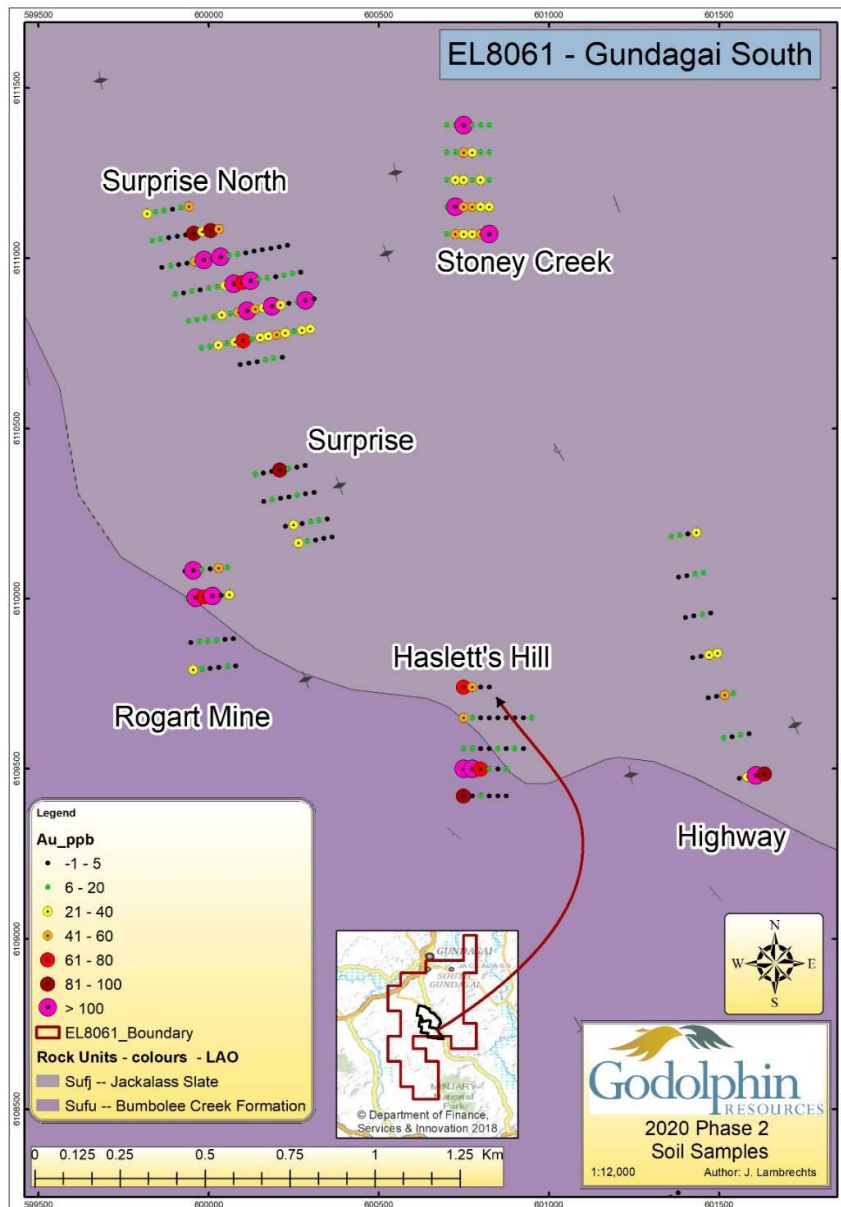


Figure 8: Au-in-soil samples collected over the Gundagai South prospect (ASX release by GRL 17 February 2020)

### Gundagai South (EL8061)

Highly anomalous gold-in-soil and rock chip samples previously identified key prospects at Gundagai South. Follow-up geological mapping of these anomalies has now identified a number of drill ready targets at the Surprise North, Highway and Stoney Creek South prospects.

### Surprise North Prospect

This target was first identified from anomalous gold, selenium and tellurium in soil sampling. Surprise North also stands out as a distinct circular hill with a noticeable colour variation around its perimeter. There is a steeply dipping, interbedded package of clastic volcanic rocks (mapped as quartz-feldspar porphyritic dykes), and interbedded with tuffaceous sediments and some phyllite-schist.

The average value of the anomalous gold is 95ppb with 8 samples returning results greater than 100ppb and a maximum value of 480ppb. Recent detailed geological mapping (Figure 9) has defined the location and orientation of en-echelon quartz veins within quartz-feldspar porphyritic intrusions, which now represents walk-up drill targets to be tested in the September 2020 Quarter.

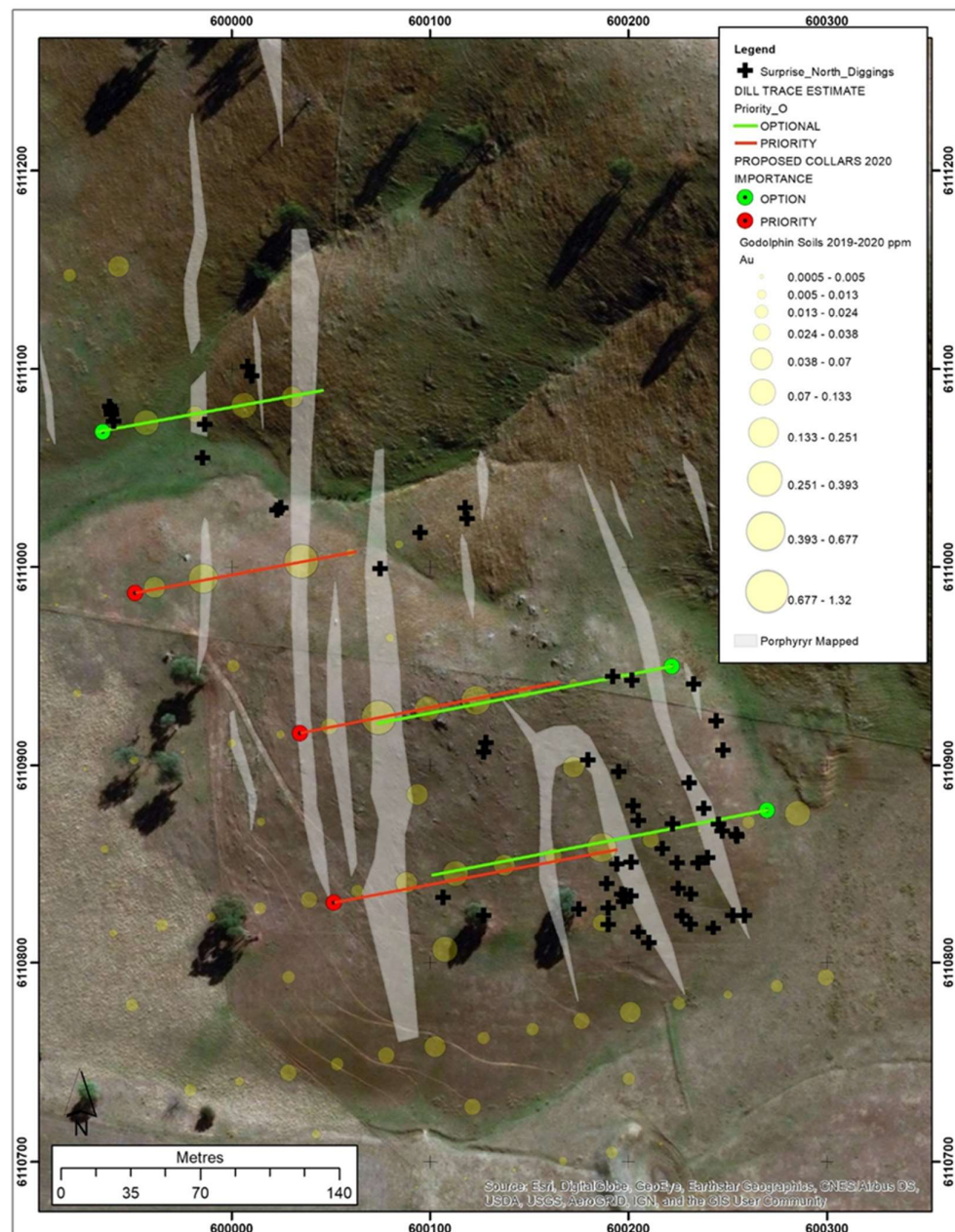


Figure 9: Surprise North Prospect showing recently mapped porphyry dykes, soil results, mapped workings and planned collars

## Highway Prospect

A soil survey completed in early 2020 returned very encouraging gold-in-soil sample results close to a large historic working on a mineralised quartz porphyritic intrusion at the Highway prospect. These results have been followed-up with geological mapping which defined a single continuous quartz-bearing porphyritic dyke with a strike extent of 1.4km (Figure 10).

A phase one RC drill programme is planned by GRL to test the down dip continuity of Au-bearing quartz veins below the historical workings. Two RC holes are planned in this programme.

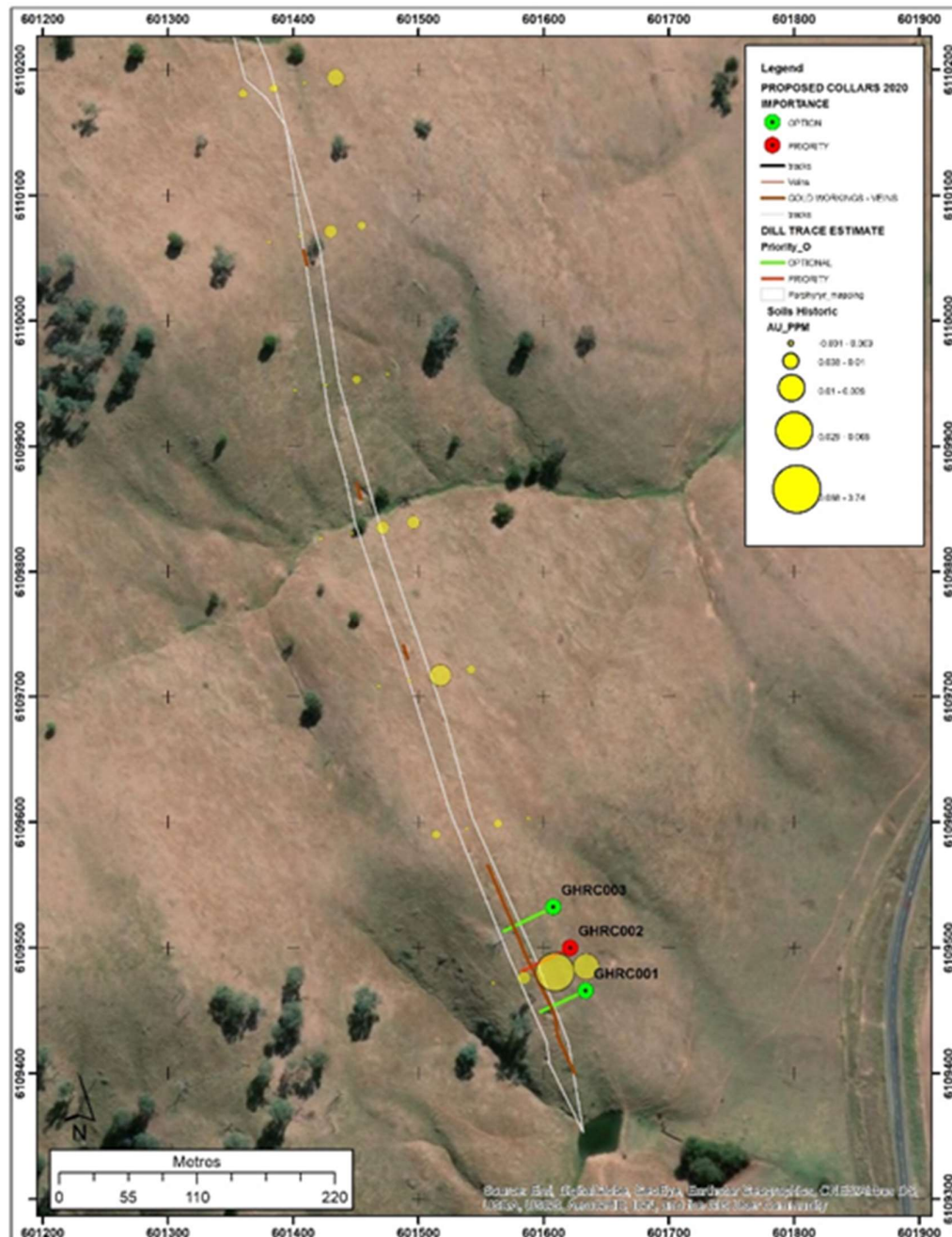


Figure 10: Highway Prospect quartz-bearing porphyritic dyke



## Stoney Creek South Prospect

The Stoney Creek South Prospect has multiple historic workings and is the southern strike extension of the historic Stoney Creek gold mine. The average grade reported for gold is 112ppb with a maximum value of 1,320ppb with three samples greater than 100ppb gold. The elevated gold is proximal to a quartz-feldspar porphyritic intrusion which exhibits several phases of sheeted quartz veins. Detailed geological mapping has been undertaken at the prospect. The phase one drill programme at Stoney Creek South will comprise three RC holes.

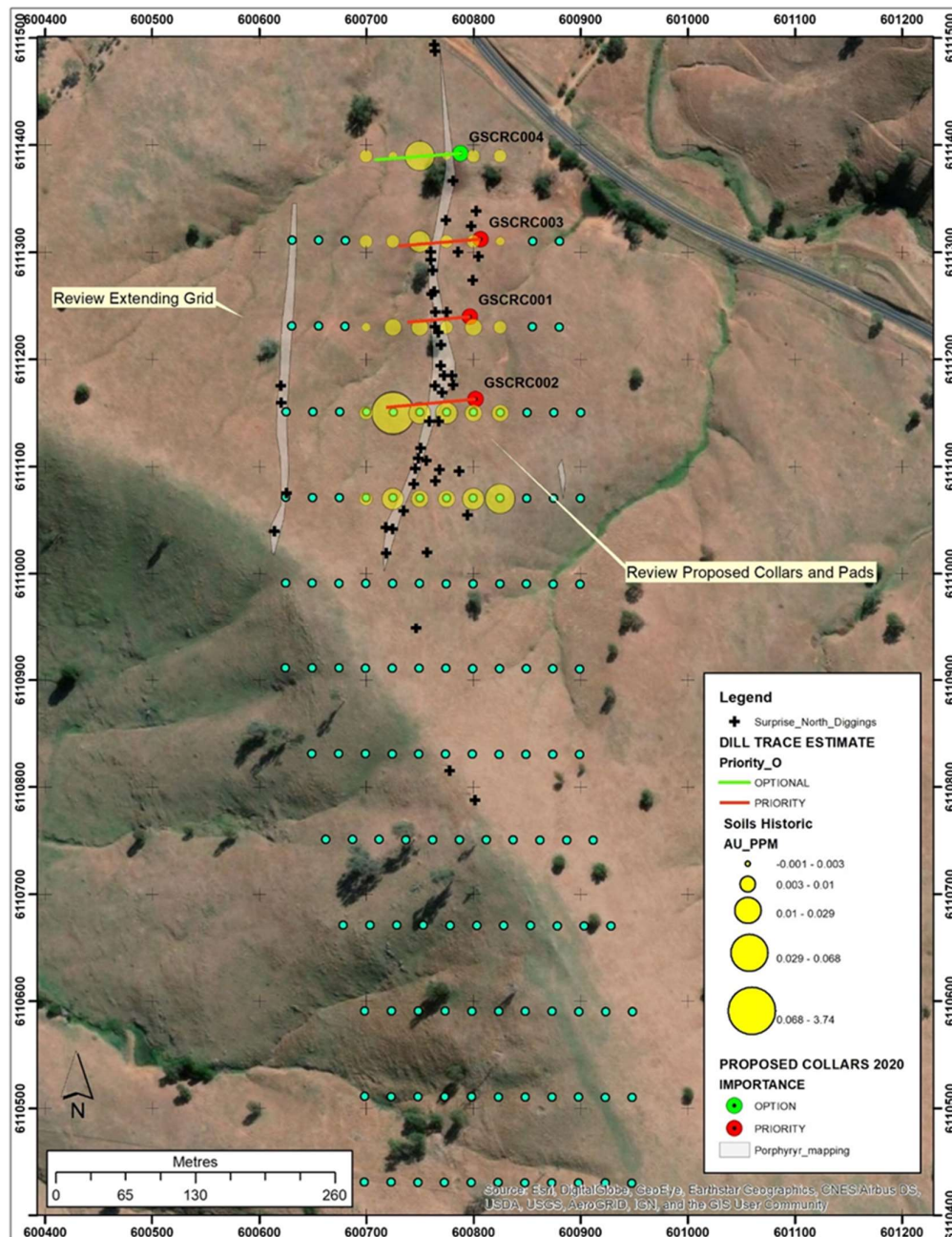


Figure 11: Map showing Stoney Creek South with detailed geological mapping of veins and drill targets

### Gundagai North (EL8586)

The Gundagai North exploration licence contains a number of historical gold and base metal artisanal mine workings hosted within a belt of basaltic rocks and sediments, intruded by quartz-bearing porphyritic dykes or sills.

Within Gundagai North the key prospects include, Emu, Johnston's Hill and Manton's (Figure 12). Following soil sampling programmes, which located zone of strongly elevated gold-in-soil samples coincident with high gold in rock chip samples, geological mapping was undertaken in June 2020 to determine the structures which host gold mineralisation.

Phase 1 drill programmes have now been planned to test all three prospects. Drilling is expected to commence in August 2020 pending the receipt of regulatory drilling approvals.

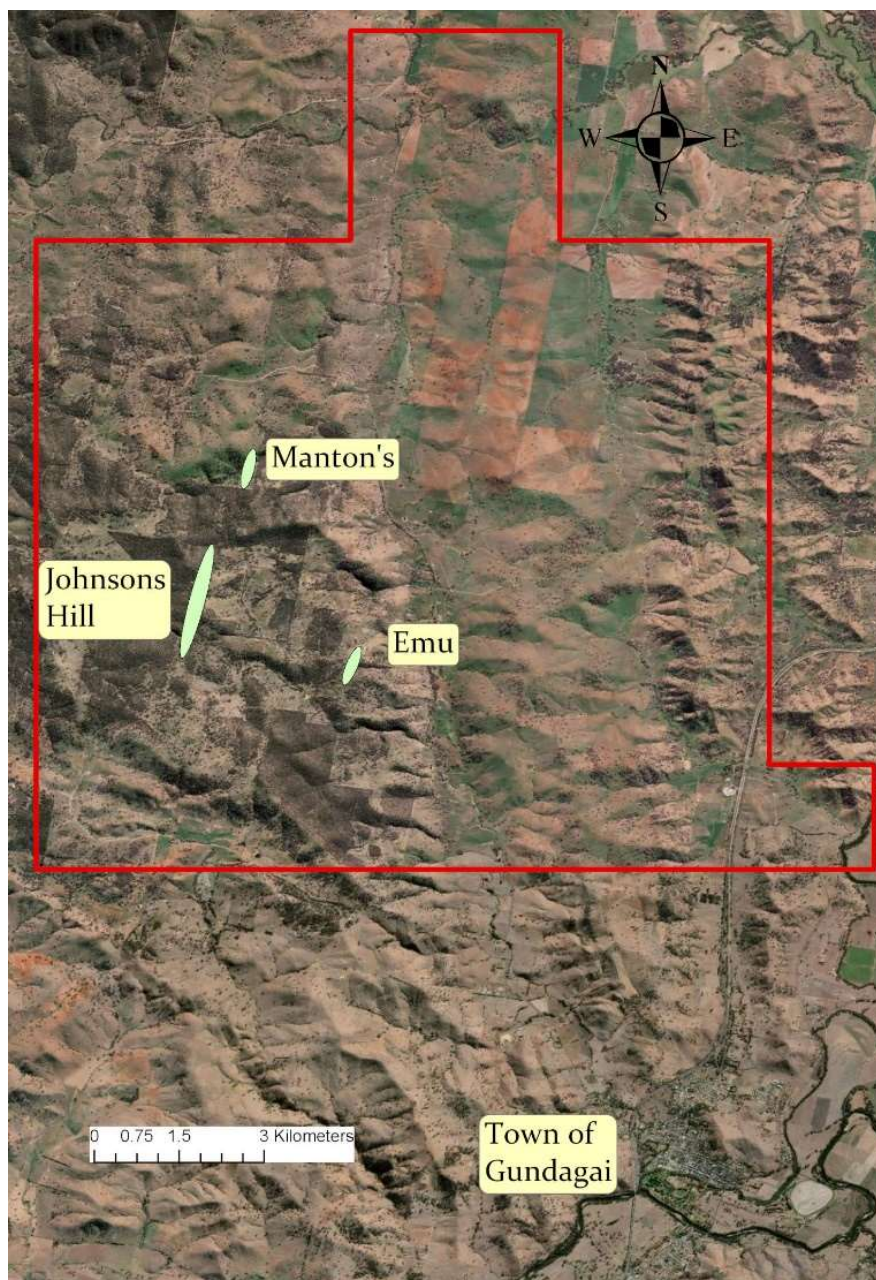


Figure 12: Map of Gundagai North prospects



## Emu Prospect

In 2019 a soil sample collection was completed over a grid around the historic Emu artisanal mine workings and rock chip samples which reported elevated gold.

The soil results reported were highly encouraging and identified a potential strike extension of the historically mined vein to the north, and possibly a third, parallel gold-bearing vein. Rock samples collected also returned extremely encouraging results of up to **386 g/t** and **320 g/t Au** from two separate samples with visible gold.

Access to the adjacent property has recently been achieved and Godolphin are planning to extend the soil grids to the south beyond the historic artisanal mines workings to test for gold-bearing vein extensions in that direction.

The Phase 1 drill programme will consist of 2 to 3 RC holes targeting gold-in-veins at depth below the historical workings (Figure 13). Drill holes will test high priority targets which dilatant jogs in the Emu vein which exhibit coincident elevated gold in soil samples.

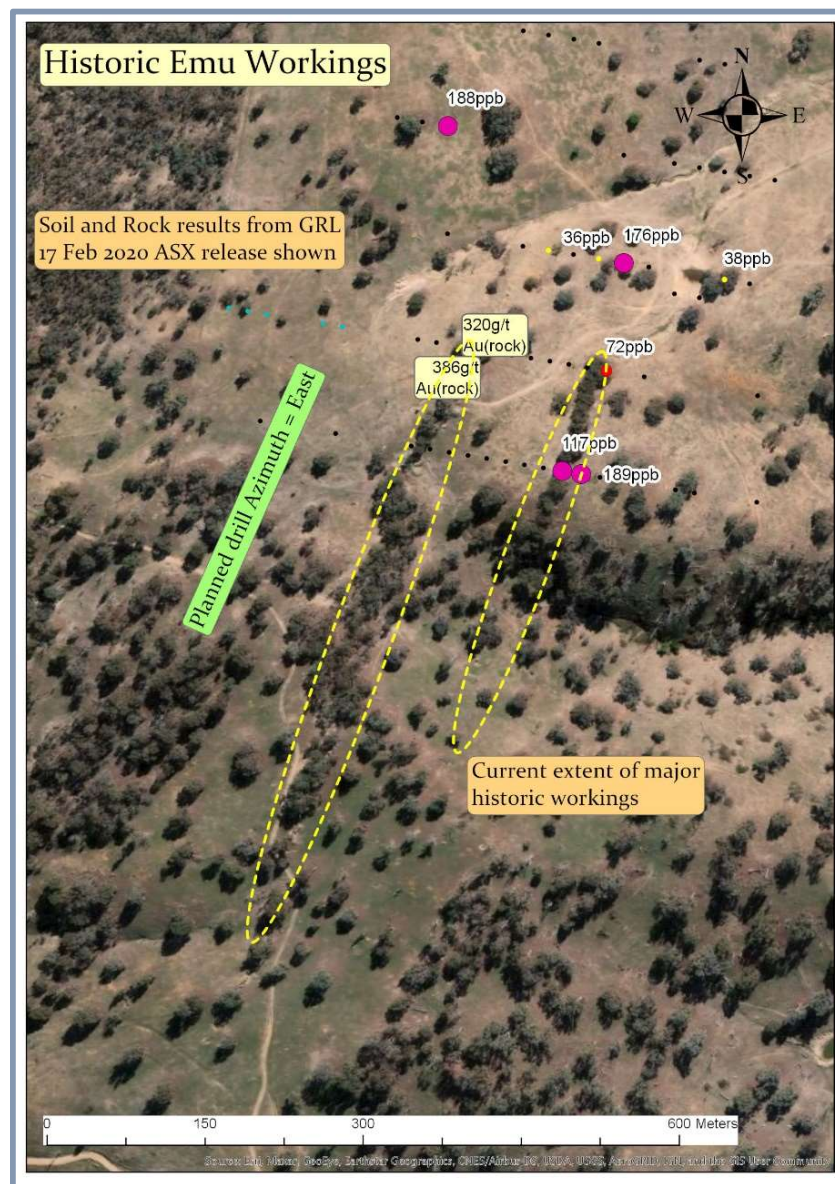


Figure 13: Map showing the Emu Prospect with detailed geological mapping and drill targets.



### Johnson's Hill Prospect

The Johnston's Hill prospect has extensive historical artisanal mine workings and has been drill tested by previous explorers returning a series of gold intersections up to seven metres wide.

A phase one RC drill programme is planned by Godolphin to test the down-dip continuity of gold-bearing quartz veins intersected in historic drill holes. Three holes are planned with an average depth of 140m. Good potential exists to define a shallow gold resource. Alteration and mineralogy suggest the potential for an Intrusion Related Gold (IRG)-type gold system with potential for wider zones at depth.

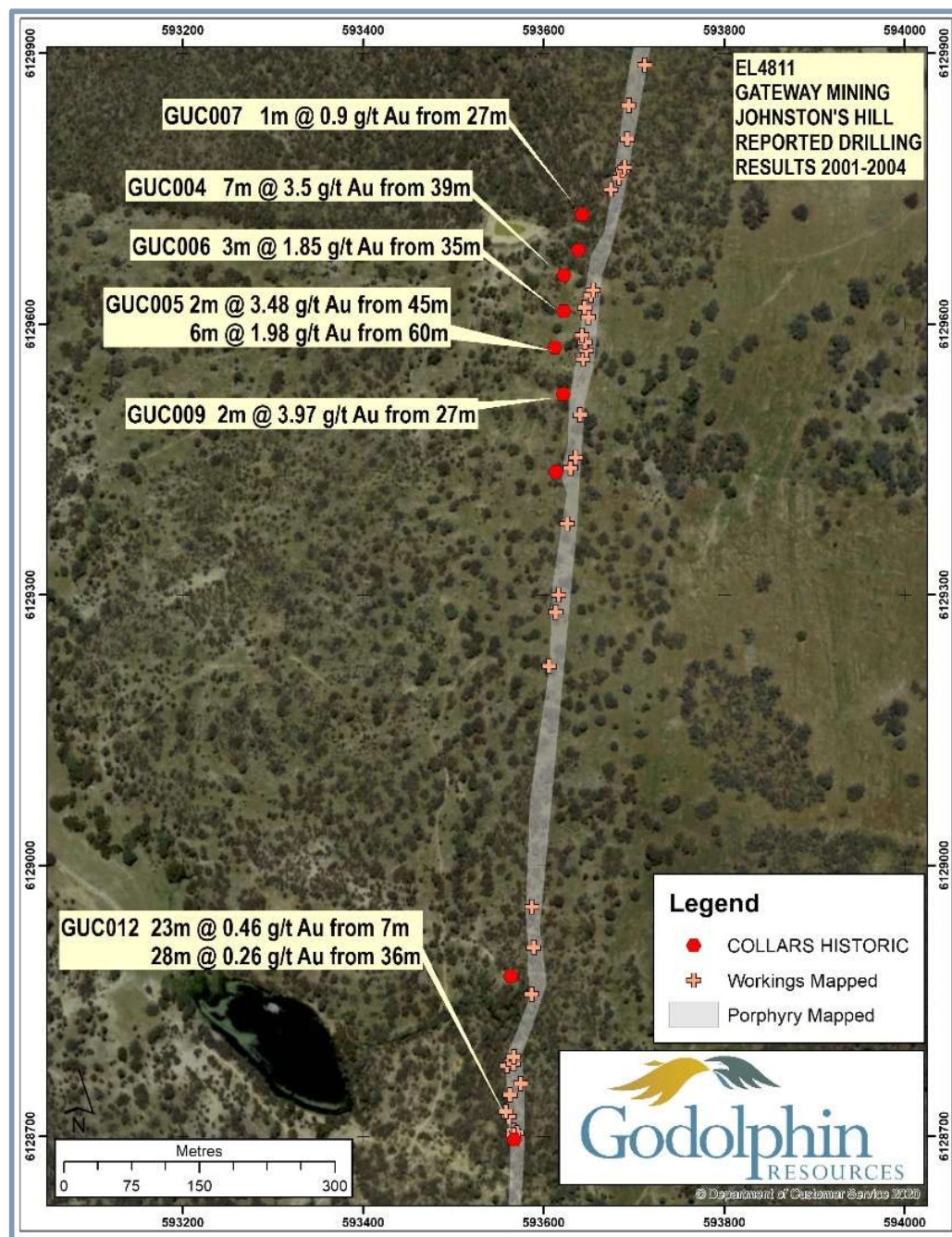


Figure 14: Map showing Johnsons Hill with detailed mapping and drill targets

## Manton's Prospect

The Manton's Prospect lies to the north east of the Johnson Hill trend and consists of a network of quartz veins hosted in porphyritic dykes which have intruded sediments. Mineralisation also could be related to an IRG system. The area is marked by historic gold workings with high gold in rock chip samples (up to 274 g/t) (*Gateway Mining 1998, EL3972, Manton Project, Annual Report for the year ending 18th July 1998. NSW DIGS Open File Report GS1999\_253.R00020767*).

A maiden drill programme is planned at Manton's Prospect which includes diamond cored holes to gain detailed data of vein orientation. Geological mapping suggests mineralised veins strike 040° and are vertical. 1-2 diamond cored holes are planned in the initial phase of drilling at the Manton's Prospect (Figure 15).

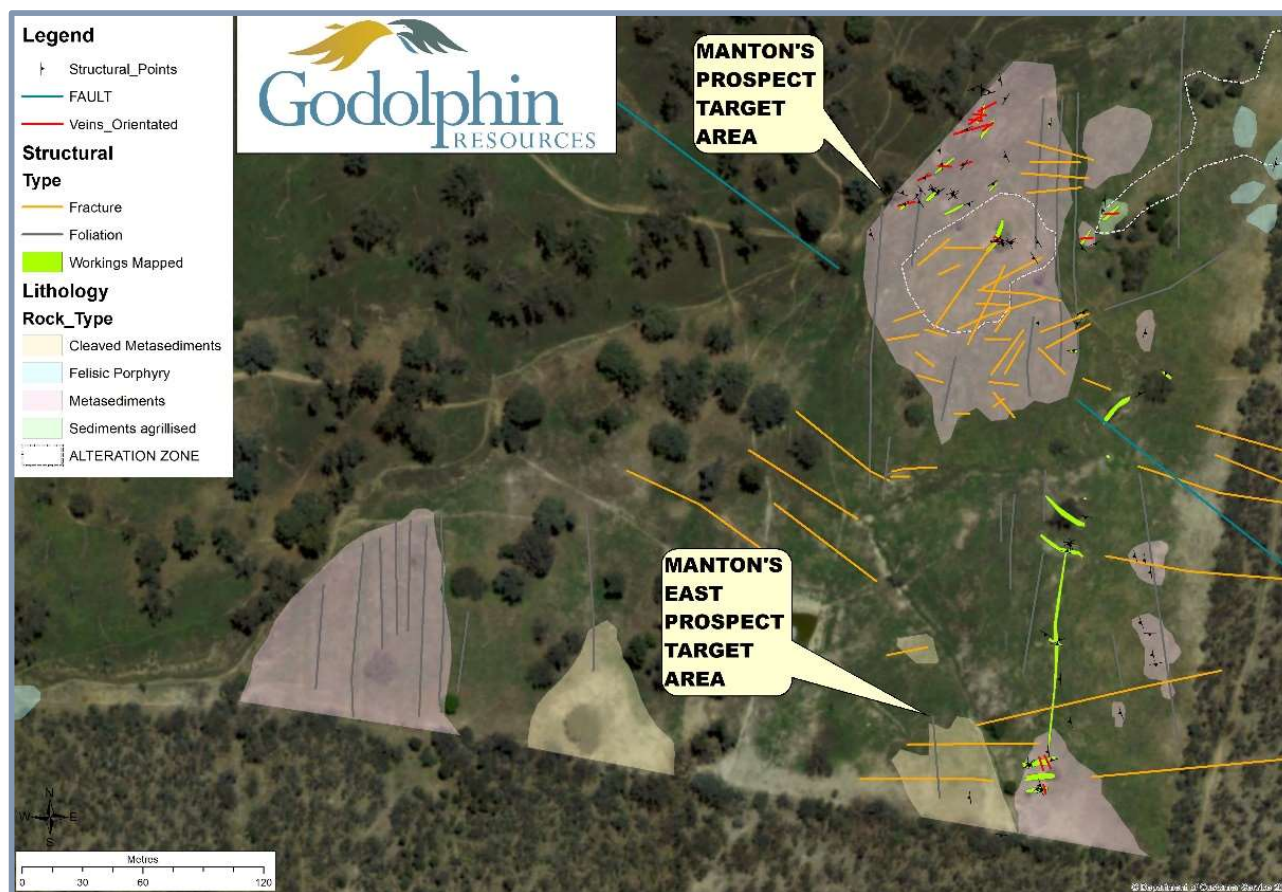


Figure 15: Map showing Johnsons Hill with detailed geological mapping and drill targets

## Corporate

The cash balance held by Godolphin at 30 June 2020 was \$4.86 million.

During the June Quarter Godolphin finalised the issue of Loyalty Options to shareholders as detailed in the Loyalty Option prospectus released to the ASX on 1 June 2020.

In March 2020 in response to the COVID-19 pandemic, the Company put in place measures to ensure the health and safety of Godolphin's staff and contractors and towards to end of the June Quarter began relaxing restrictions in line with directives issued by State & Federal authorities. The Company will continue to monitor the situation as it develops and will advise if the situation changes.



Statement of Commitments [1]

Use of Funds	Revised Estimate (as announced 16 December 2019)	Actual Use				Variance
		Dec 2019 Quarter	Mar 2020 Quarter	June 2020 Quarter	Total	
	\$0	\$000	\$000	\$001	\$000	\$000
					Under/(Over)	
IPO Costs and costs repayable under the Loan Agreement	1,000	1,241	-	-	1,241	-241
Corporate, management after listing	1,270	22	232	280	534	736
Exploration, drilling, assays, supervision	4,567	49	337	241	627	3,940
Modelling, resource estimate, reporting	90	-	26	12	38	52
Tenement holding costs	70	26	99	54	179	-109
Contingency for exploration, new targets	484	-	-	-	0	484
	<b>7,481</b>	<b>1,338</b>	<b>694</b>	<b>587</b>	<b>2,619</b>	<b>4,862</b>

**About Godolphin Resources**

Godolphin Resources ("Godolphin" – ASX: GRL) is an ASX listed resources company, with 100% controlled Australian-based projects in the Lachlan Fold Belt (LFB) of NSW, a world-class gold-copper province. Currently the Company's tenements cover 3,200km<sup>2</sup> of highly prospective ground focussed on the Lachlan Transverse Zone, one of the key structures which controlled the formation of gold and copper deposits within the LFB, the Godolphin Fault and the Molong Volcanic Belt. The Gundagai projects are associated with a splay off the Gilmore Suture, a major structure which has influenced the locations of gold-copper mines in NSW. The Orange-based Godolphin team is rapidly and rigorously exploring its tenement package with focussed, cost effective exploration leading to systematic drill programmes.

This market announcement has been authorised for release to the market by the Board of Godolphin Resources Limited.

**For further information regarding Godolphin, please visit [godolphinresources.com.au](http://godolphinresources.com.au) or contact:**

**Godolphin Resources Limited**

David Greenwood  
Chief Executive Officer  
Tel +61 438 948 643

**Competent Person Statement****Previously Released Information**

These ASX announcements refer to information extracted from reports available for viewing on GRL's website [www.godolphinresources.com.au](http://www.godolphinresources.com.au), including announced on 16.12.2019 "Prospectus"

GRL confirms it is not aware of any new information or data that materially affects the information included in the original market announcements, and, in the case of JORC 2012 compliant Mineral Resources, that all material assumptions and technical parameters underpinning the Mineral Resources in the relevant market announcements continue to apply and have not materially changed. GRL confirms that the form and context in which the Competent Person's findings presented have not been materially modified from the original market announcements.



**Godolphin Resources Limited Tenement Schedule as at 30 June 2020**

Tenure	Location	Godolphin Interest	Status	Note
EL 5583	Lewis Ponds	100%	Live	1
EL 8323	Ophir	100%	Live	
EL 8556	Copper Hill East	100%	Live	
EL 8966 <sup>1</sup>	Mt Bulga	100%	Live	
EL 8901	Caledonian	100%	Live	
EL 8532	Mt Aubrey	100%	Live	
EL 8538	Yeoval	100%	Live	
EL 8964 <sup>2</sup>	Yallundry	100%	Live	
EL 8963 <sup>2</sup>	Obley West	100%	Live	
EL 8962 <sup>2</sup>	Obley North	100%	Live	
EL 8890	Cumnock	100%	Live	
EL 8554	Wisemans Creek	100%	Live	
EL 8555	Calarie	100%	Live	
EL 8580	Calarie Central	100%	Live	
ML 0739	Calarie Lachlan Mine	100%	Live	
EL 8061	Gundagai South	100%	Live	
EL 8586	Gundagai North	100%	Live	
EL 8889	Gundagai	100%	Live	
ELA5916	Gadara	100%	Under application	

Note 1: Finder's fee to David Timms on EL5583 sale transaction or production commencement (\$2M cap)

**Summary of JORC 2012 Mineral Resources contained within Godolphin tenements**

Project	Tonnes (Mt)	Au (g/t)	Ag (g/t)	Zn (%)	Pb (%)	Cu (%)	AuEq (g/t)	Contained Au (Moz)	Contained AuEq (Moz)
Mt Aubrey	1.21	1.61	-	-	-	-	1.61	0.06	0.06
Yeoval	12.80	0.14	2.20	-	-	0.38	0.56	0.06	0.23
Lewis Ponds	20.24	0.50	33.30	1.5	0.7	0.10	1.80	0.31	1.16
<b>TOTAL</b>	<b>34.25</b>	<b>0.40</b>	<b>20.48</b>	<b>0.9</b>	<b>0.4</b>	<b>0.20</b>	<b>1.32</b>	<b>0.43</b>	<b>1.45</b>

\*Some rounding may occur

Source: Independent Technical Report, Godolphin Resources Limited Prospectus, dated 28 October 2019 - Page 5

<sup>1</sup> Formerly ELA 5794

<sup>2</sup> Formerly ELA 5780