



## HIGHLIGHTS

### ~1.4km Myhree-Boundary Corridor

- Strong drilling results from both initial and extensional drilling at Boundary, including the discovery of the offset position to the south with a result of 12m @ 4.17 g/t Au from 67m. Boundary mineralisation remains open to the south and at depth.
- High grade shallow mineralisation discovered at Myhree with results including 11m @ 8.30 g/t Au from 28m, 5m @ 4.14 g/t Au from 7m and 1m @ 36.9 g/t Au from 14m. Myhree mineralisation is open to the north and at depth.

### ~5km Queen Margaret Corridor

- Moderate depth drilling at Queen Margaret showing robust intercepts on internal veins, including 7m @ 4.98 g/t Au from 87m.
- Commencement of co-funded WA Government Exploration Incentive Scheme diamond drilling targeting the unmined hangingwall lode below the historic Queen Margaret workings.
- Commencement of initial Resource over shallow mineralisation in the footwall of the historic Queen Margaret Mine.

### ~1km Trump Corridor

- Successful first pass RC drilling at Trump showing mineralisation remains open below shallow historic holes, with results including 8m @ 4.13 g/t Au from 44m.

Proposed activities for the December 2018 quarter include:

- extensional drilling in the ~1.4km long Myhree-Boundary Corridor;
- extensional drilling in the +1 km long Trump Corridor;
- completion of EIS co-funded drilling along the Queen Margaret Corridor;
- completion of initial Resource at Queen Margaret; and
- initial RC drilling of priority targets in the northern prospects.

# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



The Board of Black Cat Syndicate Limited (“Black Cat”) is pleased to report on activities during the quarter ended 30 September 2018.

## OPERATIONS

Summary of key activities undertaken at the Bulong Gold Project (“Bulong”) during the September 2018 quarter:

- drilling activities were highly productive and safe with nil reportable incidents;
- 6,630m of RC drilling completed during the quarter bringing total RC drilling to >19,000m;
- RC drilling rates were favourable, and the exploration activities remain ahead of budget;
- drilling at Queen Margaret has provided sufficient data to allow Resource modelling to commence, which will be ongoing and reported in the December 2018 quarter;
- initial drill testing was undertaken over both the Myhree-Boundary and Trump Corridors (Figure 1);
- field mapping to validate geology, including mapping over 500 shafts in the southern corridors, with most historic activity focussed on the Queen Margaret Corridor; and
- commencement of Exploration Incentive Schemed (“EIS”) co-funded (up to \$138,000) drilling targeting mineralisation below the historic workings along the Queen Margaret Corridor.

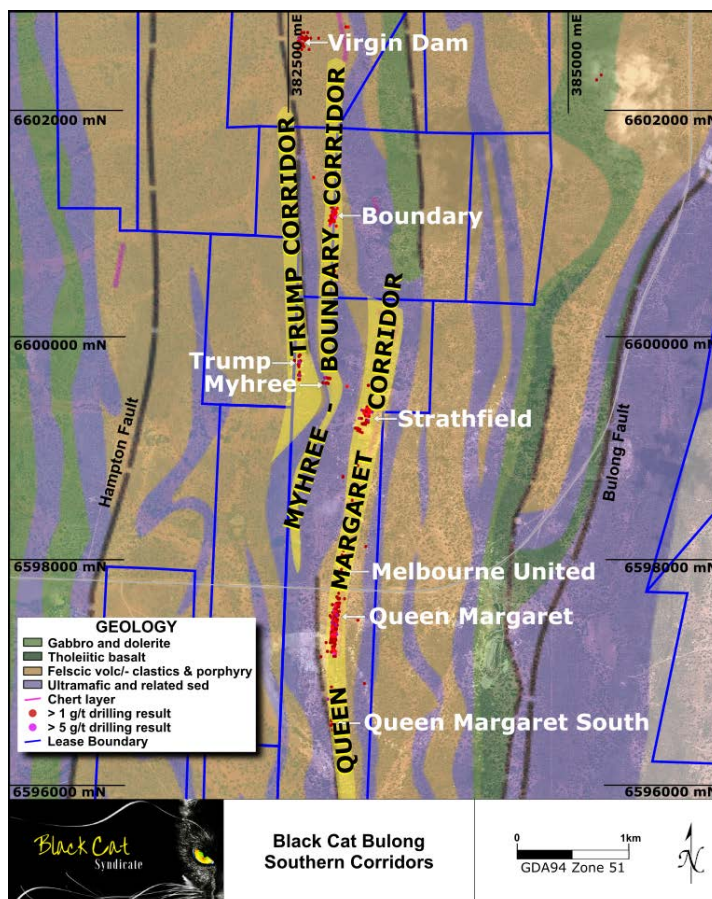


Figure 1: Schematic showing the three southern corridors

## Queen Margaret Corridor

The Queen Margaret Corridor is a ~5km strike of workings in the southern half of the Bulong Gold Project. There is negligible cover in this corridor which allowed gold to be found at surface in 1893. This was the focus of most of the historic gold production. Black Cat has now mapped over 500 shafts along this corridor.

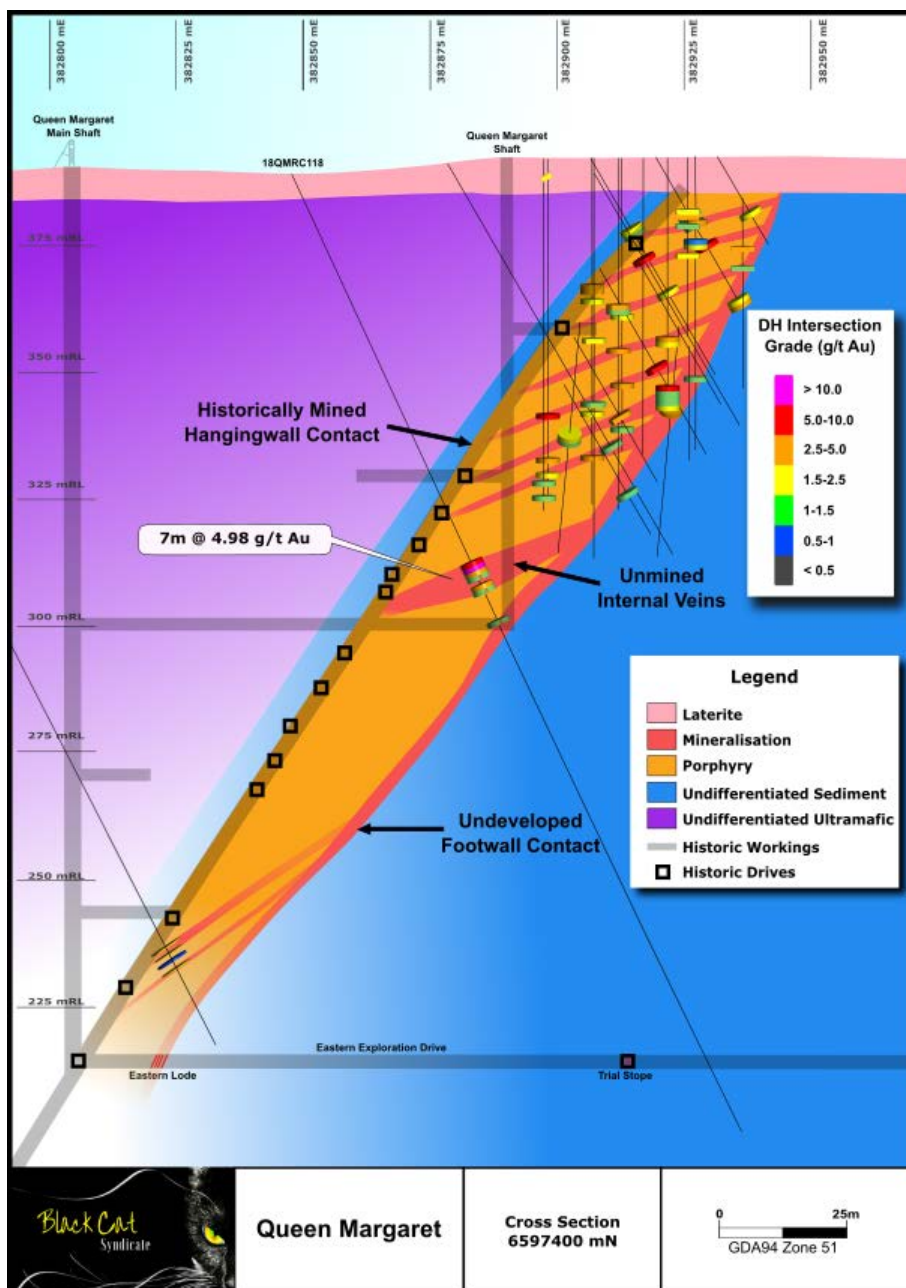


Figure 2: Interpreted section showing the historic workings on the hangingwall contact of the porphyry and the footwall and internal vein sets

Black Cat drilled 13 RC holes (1,576m) during the September 2018 quarter. Drilling was aimed at testing mineralisation below conceptual open pit depths as well as to test the interpreted offset of the host stratigraphy to the south. Porphyry was logged in an offset position in the southern holes, although no significant intercepts were recorded.

To the north, drilling successfully showed continuation of internal veins, footwall mineralisation and historical stopes to depths of at least 170m below surface. The best result in this program of 7m @ 4.98 g/t Au from 87m (18QMRC118) was in an internal vein position (Figure 2) and occurs in an under-drilled part of the system demonstrating the potential for further growth at depth where minimal drilling has been undertaken (refer ASX announcement 20 September 2018).

Black Cat commenced Resource estimation work on the shallow mineralisation at Queen Margaret during the September 2018 quarter. This work will be ongoing during the December 2018 quarter.

Black Cat also commenced the first (Figure 3) of four deep diamond drill holes along the Queen Margaret Corridor. The total program of ~1,400m will be 50% funded (up to \$138,000) under the WA Government Exploration Incentive Scheme.



*Figure 3: Deep drilling below the historic Queen Margaret Mine has commenced*

## **Myhree-Boundary Corridor**

The Myhree-Boundary Corridor is located 400m to the west of the Queen Margaret Corridor. There has been negligible mining in this corridor as there is no outcrop and residual lateritic cover. Boundary was a discovery made by targeting soil anomalism in the early 1990s, however there has been little drilling of other prospective areas further along strike in this corridor.

# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



## Myhree

An initial eight RC holes (432m) were drilled in June 2018 to confirm the geology in the area and to follow up on soil anomalism and low grade results in a shallow historic drill line.

Results from the northern line (Figure 4) indicate the mineralisation is open to the north and at depth and include:

- **18MYRC001**     **5m @ 4.14 g/t Au from 7m**
- **18MYRC002**     **3m @ 1.81 g/t Au from 19m**
- **18MYRC003**     **1m @ 36.9 g/t Au from 14m**
- **18MYRC004**     **3m @ 5.61 g/t Au from 46m**

These holes were followed up with another seven RC holes (590m) during the September 2018 quarter, including:

- 18MYRC009     5m @ 1.70 g/t Au from 0m
- 18MYRC009     3m @ 2.68 g/t Au from 7m
- **18MYRC011**     **11m @ 8.30 g/t Au from 28m**
- 18MYRC012     1m @ 11.80 g/t Au from 8m
- **18MYRC012**     **2m @ 9.63 g/t Au from 119m**

Black Cat intends to continue drilling at Myhree to extend and infill this high-grade mineralised zone during the December 2018 quarter.

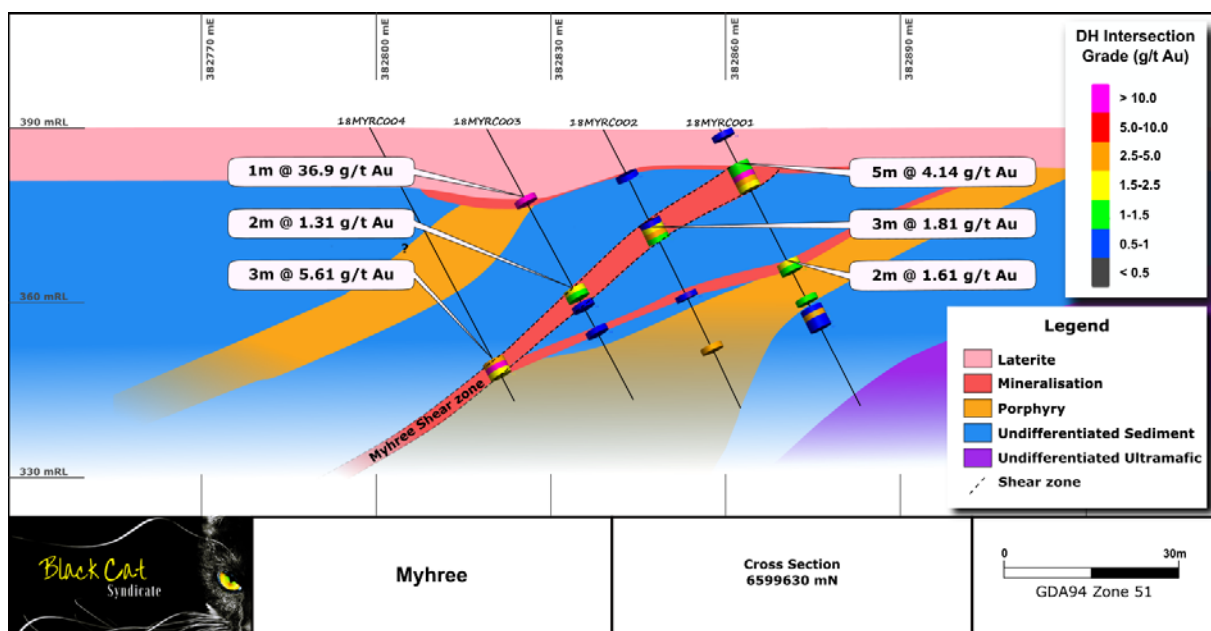


Figure 4: Cross section through 6599630mN showing new drilling at Myhree



## ***Boundary***

Black Cat drilled 21 RC holes (2,422m) during the September 2018 quarter aimed initially at testing geology and validating historic results and then to further extend mineralisation at depth and along strike. Geological logging shows a west dipping felsic unit hosting the bulk of mineralisation. This unit lies within sediments which is underlain by ultramafic rocks at depth and is similar to the Queen Margaret style mineralisation. Drilling confirmed thick high grade mineralisation continues at depth (refer ASX announcements 16 August 2018 and 28 August 2018). Drilling of the southern offset position also intercepted thick high grade mineralisation in the interpreted position (Figure 5) which has since been extended with drilling completed in September and reported in October (refer ASX announcement 10 October 2018).

Better results at Boundary include:

- **18BORC002**    **8m @ 2.70 g/t Au from 33m**
- **18BORC003**    **3m @ 10.55 g/t Au from 84m**
- **18BORC004**    **2m @ 7.24 g/t Au from 22m**
- **18BORC011**    **12m @ 1.61 g/t Au from 150m**  
                          1m @ 6.40 g/t Au from 143m
- **18BORC012**    **1m @ 10.50 g/t Au from 64m**
- 18BORC013    2m @ 2.55 g/t Au from 119m
- **18BORC014**    **11m @ 2.46 g/t Au from 106m**
- **18BORC015**    **12m @ 4.17 g/t Au from 67m**
- 18BORC021    7m @ 2.49 g/t Au from 66m

The mineralisation at Boundary has now been extended to over 300m strike and remains open to the south and at depth. Black Cat intends to continue drilling with both RC and Diamond drilling planned to extend the Boundary deposit.

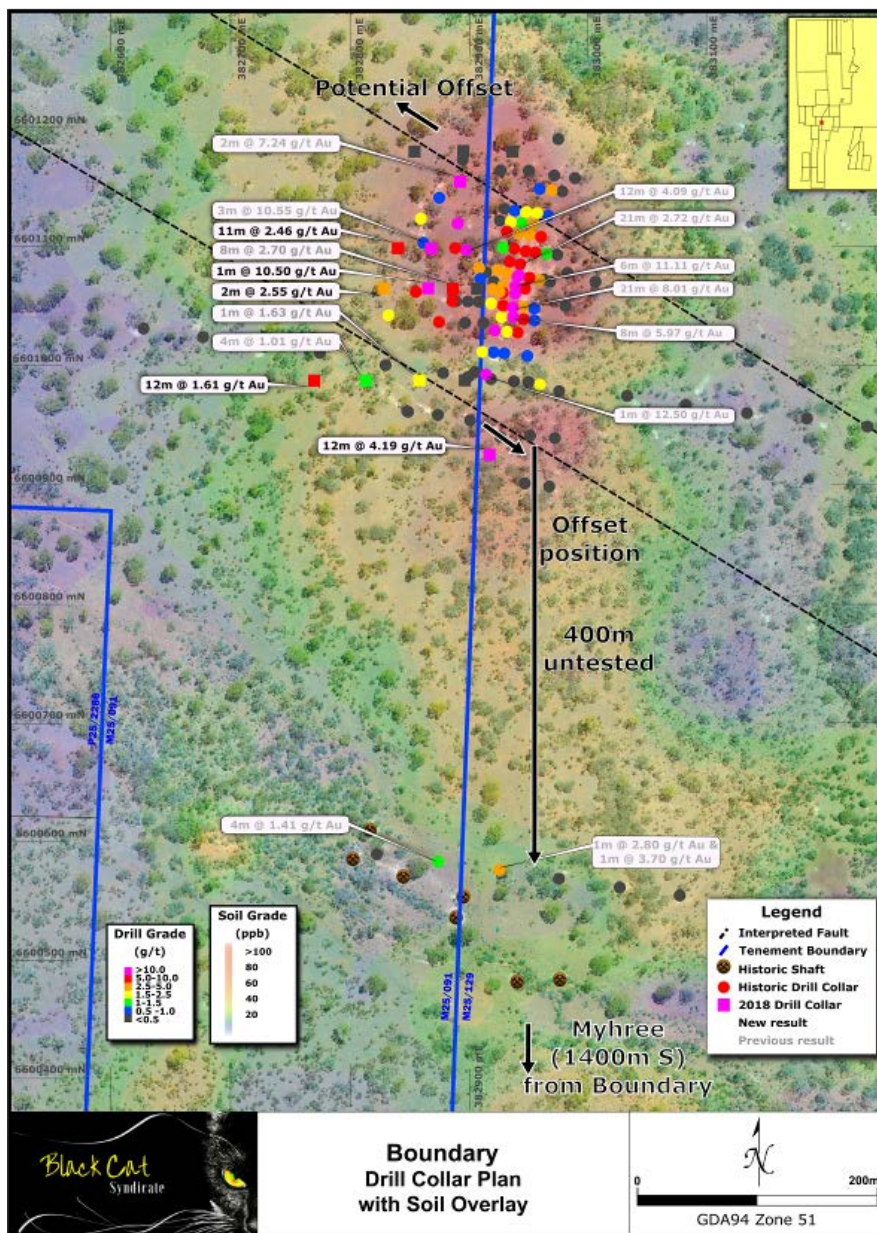


Figure 5: Plan view of the Boundary area showing both historic and new drilling with soil anomaly overlay

## Trump Corridor

The Trump Corridor lies on the western side of Bulong. Historic mining appears to be constrained to a 200m strike around the Trump workings but a large area of prospective felsic stratigraphy stretches along this western side of the Bulong Project.

Historic intersections at Trump include:

- **94BRC65**      **3m @ 14.17 g/t Au from 57m**
- **94BRC68**      **1m @ 15.20 g/t Au from 41m**
- **94BRC65**      **1m @ 12.60 g/t Au from 54m**

# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



During the quarter Black Cat drilled five holes (509m) of an initial program of 15 RC holes (1,054m) around the Trump workings to confirm the geology and to test geological concepts based on regional geophysical interpretations. These holes intersected mineralisation within weathered porphyry and sediment within a sequence of ultramafic rock.

Results included (refer ASX announcement 20 September 2018):

- **18TRRC003**      **8m @ 4.13 g/t Au from 44m**
- **18TRRC014**      **3m @ 2.70 g/t Au from 68m**
- **18TRRC011**      **2m @ 2.54 g/t Au from 109m**

These drill holes represent the northern most and deepest drilling at Trump with mineralisation open at depth and to the north (Figure 6). The southern area of the historic Trump workings are yet to be tested and the potential for additional mineralised structures along the Trump Corridor is excellent.

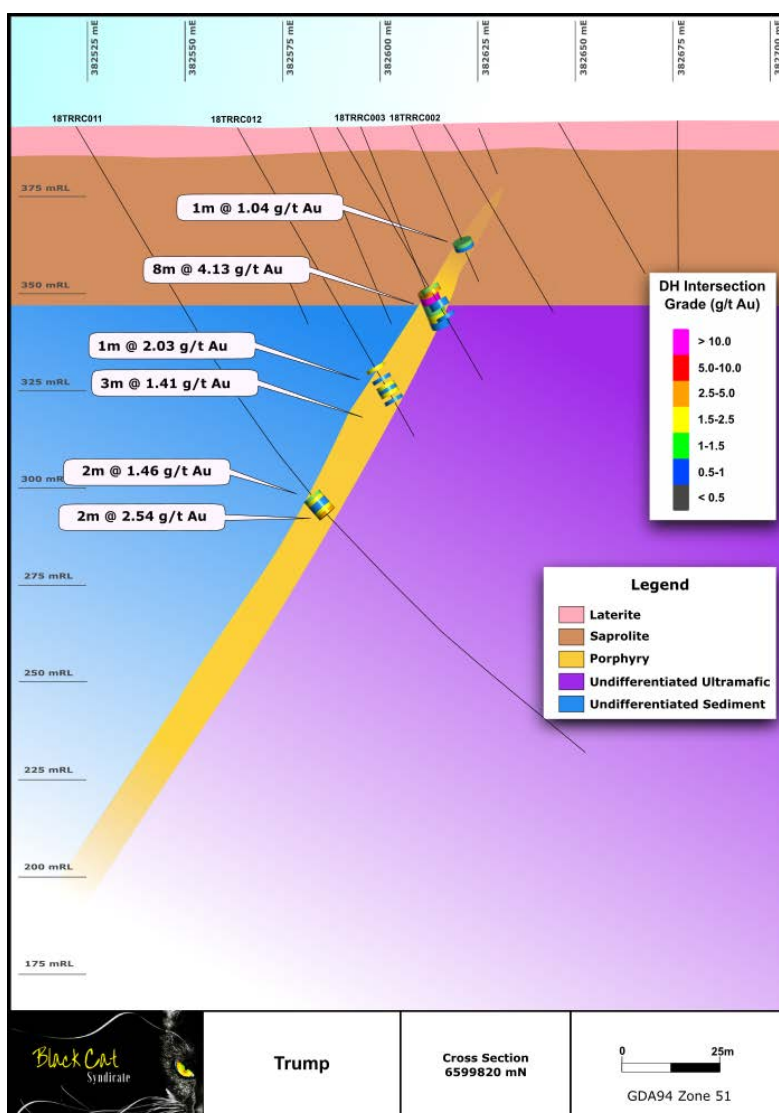


Figure 6: Cross section 60m north of the main Trump shaft (A-B on Figure 2) showing mineralisation continuing below shallow historic drilling



# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



## Northern Prospects

### *Galore*

The Galore prospect is a recently prospected area that has produced both gold nuggets at surface and buried gold in quartz. Prospecting activities included: clearing, bulldozing, costeaning and rehabilitation. Black Cat drilled nine short RC holes for 283m during the quarter, testing a NS stratigraphic target (the chert horizon) as well as a NW trending target indicated by soil anomalism and aerial magnetic imaging. The NS stratigraphic target hit prospective lithologies but returned no significant intercepts. The NW trend intersected minor mineralisation within a felsic unit, in the NW corner of the drilled area. Further work at Galore will include geochemistry and mapping of outcrop to further refine drill targets.

### *Anomaly 38*

Anomaly 38 is a high grade target in the north east part of the Bulong lease package. Previous drilling in the 1990s identified high grade mineralisation with better grades trending on a NW orientation, including 3m @ 21.09 g/t Au from 81m (BURC023), 2m @ 13.65 g/t Au from 14m (BURC031), 2m @ 47.6 g/t Au from 116m (BURC025) and 7m @ 9.37 g/t Au from 31m (BURC026)\*\*. Black Cat drilled 10 holes for 1,250m during the quarter to test this inferred NW oriented structure for grade continuity. Drilling was incomplete at the end of the quarter with results pending. Drilling will continue during the December 2018 quarter.

### Summary of drilling at Bulong Gold Project

During the September 2018 quarter, 6,630m of RC drilling was completed at the Bulong Gold Project. RC drilling was completed in the Queen Margaret Corridor, primarily at the Queen Margaret Mine. One diamond hole for 89m was collared at Queen Margaret by the end of the quarter. RC drilling was carried out in the Myhree-Boundary Corridor with initial and extensional drilling completed at both Myhree and Boundary. First pass drilling was completed at Trump while RC drilling was completed at the Galore prospect. Initial RC drilling was also undertaken at Anomaly 38 with results pending.

The following table is a summary of drilling completed during the quarter:

Target	Objective	# Holes	Total (m)
<b>Queen Margaret</b>	Testing southern offset and depth extension	13	1,576
<b>Boundary</b>	Validation of historic drilling and extension	21	2,422
<b>Myhree</b>	Initial test of geology and extension	7	590
<b>Trump</b>	Validation of historic drilling	5	509
<b>Galore</b>	Initial test of geology	9	283
<b>Anomaly 38</b>	Initial test of geology	10	1,250
<b>Total</b>		<b>65</b>	<b>6,630</b>

# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



## NEXT QUARTER ACTIVITIES

- Extensional, infill and diamond drilling along the Myhree-Boundary Corridor.
- Follow up RC and diamond drilling at Trump.
- Initial RC drilling at Melbourne United on the Queen Margaret Corridor.
- Diamond drilling, targeting depth extensions below the historic Queen Margaret Mine.
- Resource estimation work at Queen Margaret.
- Announcement of drilling results on an ongoing basis as each program is completed and interpreted.

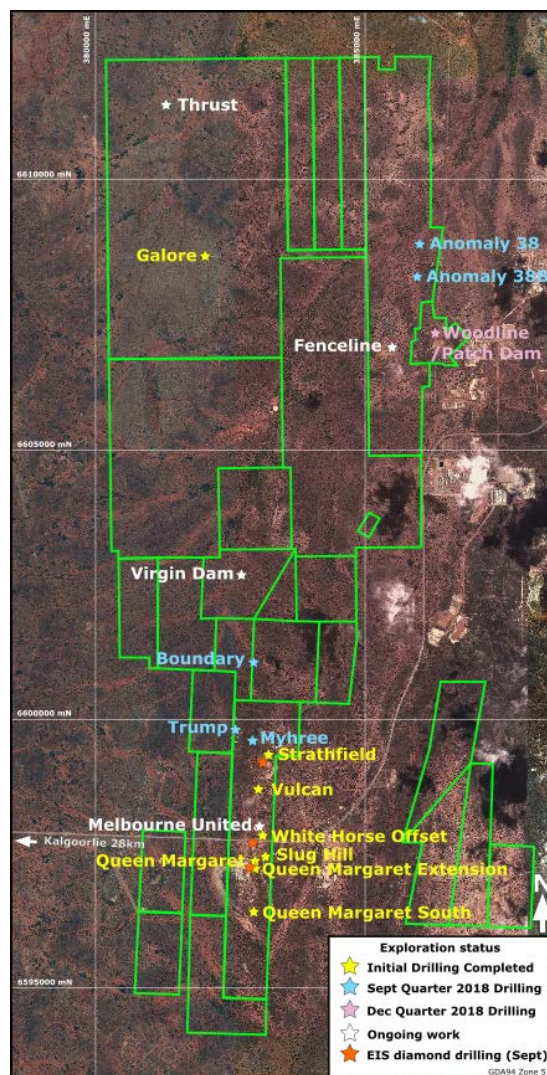


Figure 7: Map showing planned drilling locations at the Bulong Gold Project

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## INVESTMENT HIGHLIGHTS

Black Cat controls 100% of ~84km<sup>2</sup> of the Bulong Gold Project (“the Project”) of which ~89% of tenements are granted. In addition, there are numerous targets on mining leases meaning low barriers to exploration and production hence strong expected news flow.

The Project is situated just 25km east of Kalgoorlie by sealed road. Mains power runs through the Project with five regional mills, support services and a residential workforce nearby.

The Project has a history of complex, unconsolidated ownership and small scale, high grade production:

- mine production in the Project area ceased in the early 1910s with a total of ~152,000oz @ >1oz/t Au produced to date;
- the Queen Margaret mine was the main producer with ~96,000oz @ >1oz/t. Despite the mine’s high-grade production record there has been no effective drilling below the old workings;
- despite encountering mineralised lodes in a 200m deep drive to the east of Queen Margaret, minimal drilling for parallel lodes has been undertaken;
- prospectors have seen high specimen and nugget production with multiple +100oz nuggets discovered; and
- the complex and unconsolidated ownership structures have hampered exploration and mining at the Project.

Black Cat has now consolidated the Project bringing together a number of high-grade, near term, underground production targets along with shallow open cut positions. Black Cat initial focus is to drill and study the economics of developing an open cut mine at Queen Margaret then declining from the open cut into footwall and eastern zones and developing across to historic workings while assessing backfill volumes and grade.

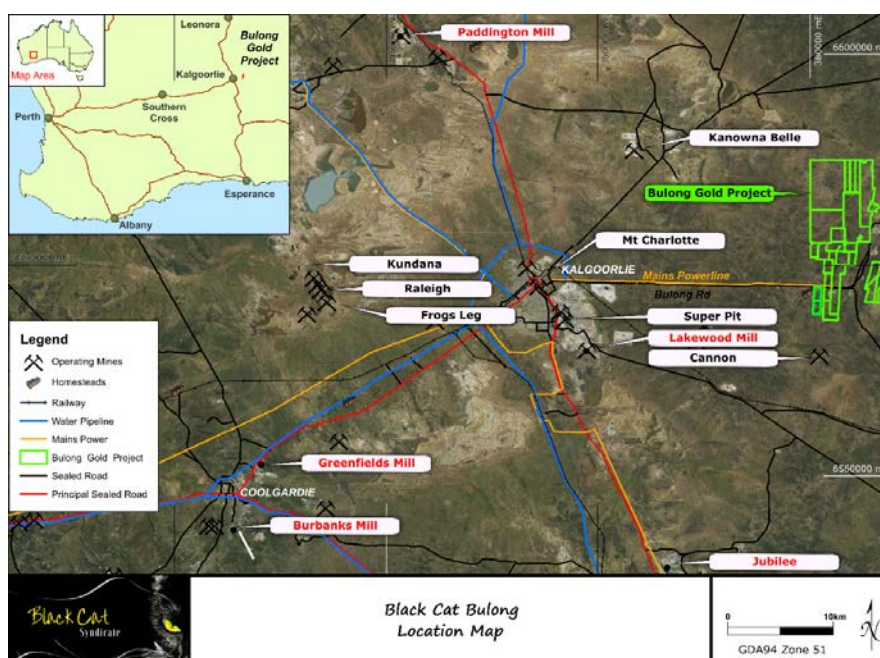


Figure 8: Regional map of Kalgoorlie showing the location of the Black Cat Bulong tenements and nearby infrastructure



## COMPETENT PERSON'S STATEMENT

The information in this announcement that relates to geology and exploration results and planning was compiled by Mr Gareth Solly, who is a Member of the AusIMM and an employee, shareholder and option holder of the Company. Mr Solly has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Solly consents to the inclusion in the report of the matters based on the information 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 original reports, and that the form and context in which the Competent Persons findings are presented have not been materially modified from the original reports.

*\*\* Information on historical results outlined in this Announcement together with JORC Table 1 information, is contained in the Independent Geologists Report within Black Cat's Prospectus dated 27 November 2017, which was released in an announcement on 25 January 2018.*

# ACTIVITIES REPORT FOR THE QUARTER ENDED 30 SEPTEMBER 2018



## TENEMENT INFORMATION

Lease	Location	Project Name	Area (km <sup>2</sup> )	Status	% Interest as at the Start of the Quarter	% Interest as at the End of the Quarter
E25/0499	Bulong	Ramsgate	0.04	Live	0% ~	100% ~
E25/0512	Bulong	Woodline West	0.04	Live	0% ~	100% ~
E25/0520	Bulong	Anomaly 38	0.04	Live	0% +	100% +
E27/0532	Bulong	Thrust	0.08	Live	0% ~	100% ~
M25/0024	Bulong	Queen Margaret	4.86	Live	0%	100%
M25/0083	Bulong	Woodline	0.73	Live	0%	100%
M25/0091	Bulong	Boundary	0.83	Live	0%	100%
M25/0129	Bulong	Boundary/Federation	1.79	Live	0%	100%
P25/2286	Bulong	Trump	1.22	Live	0%	100%
P25/2287	Bulong	Bulong	1.35	Live	0% ~	100% ~
P25/2288	Bulong	Bulong	1.01	Live	0% ~	100% ~
P25/2293	Bulong	Bulong North	0.53	Live	0% ~	100% ~
P25/2367	Bulong	Princess West	2.00	Live	0%	100%
P25/2368	Bulong	Queen Margaret West	1.96	Live	0%	100%
P25/2369	Bulong	Virgin Dam	1.70	Live	0%	100%
P25/2377	Bulong	Virgin Dam North	1.99	Live	0% ~	100% ~
P25/2378	Bulong	Virgin Dam West	1.93	Live	0% ~	100% ~
P25/2463	Bulong	Balagundi	1.35	Live	0%	100%
P27/2326	Bulong	Hampton Hill	1.78	Live	0%	100%
P27/2327	Bulong	Hampton Hill	1.78	Live	0%	100%
P27/2328	Bulong	Hampton Hill	1.64	Live	0%	100%
P25/2253	Bulong	Hampton Hill	1.22	Pending	0%	0%
P25/2254	Bulong	Hampton Hill	1.22	Pending	0%	0%
P25/2478	Bulong	East Bulong	1.21	Pending	0%	0%
P25/2479	Bulong	East Bulong	1.92	Pending	0%	0%
P25/2480	Bulong	East Bulong	1.83	Pending	0%	0%
P25/2481	Bulong	East Bulong	1.68	Pending	0%	0%
E28/2809	Avoca Downs	Rowes Find	39.8	Pending	0%	0%

+ Interest acquired pursuant to the exercise of an option on 24 January 2018 - lease transfers are pending.

~ Interest acquired pursuant to the completion of a conditional purchase agreement on 17 January 2018 - lease transfers are pending.