



**PEAK GOLD MINES**

CCC – June 2020

## **Peak Gold Mines Employees:**

- Total workforce: 137 employees (previous quarter 134 employees)
- Residing in Cobar: 112 employees (previous quarter 122 employees)
- Residing within 300km radius of Cobar: 7 employees (previous quarter 5 employees)

## **Pybar Employees:**

- Total workforce: 204 employees and labour hire (previous quarter 200 employees)
- Residing in Cobar: 93 employees (previous quarter 109 employees)
- Residing within 300km radius of Cobar: 10 employees (previous quarter 5 employees)

It is our preference for employee's to be based locally however, to attract the right people for specialist roles, it is sometimes necessary to have flexible working arrangements

# Environmental Monitoring - Wind Speed March – June 2020

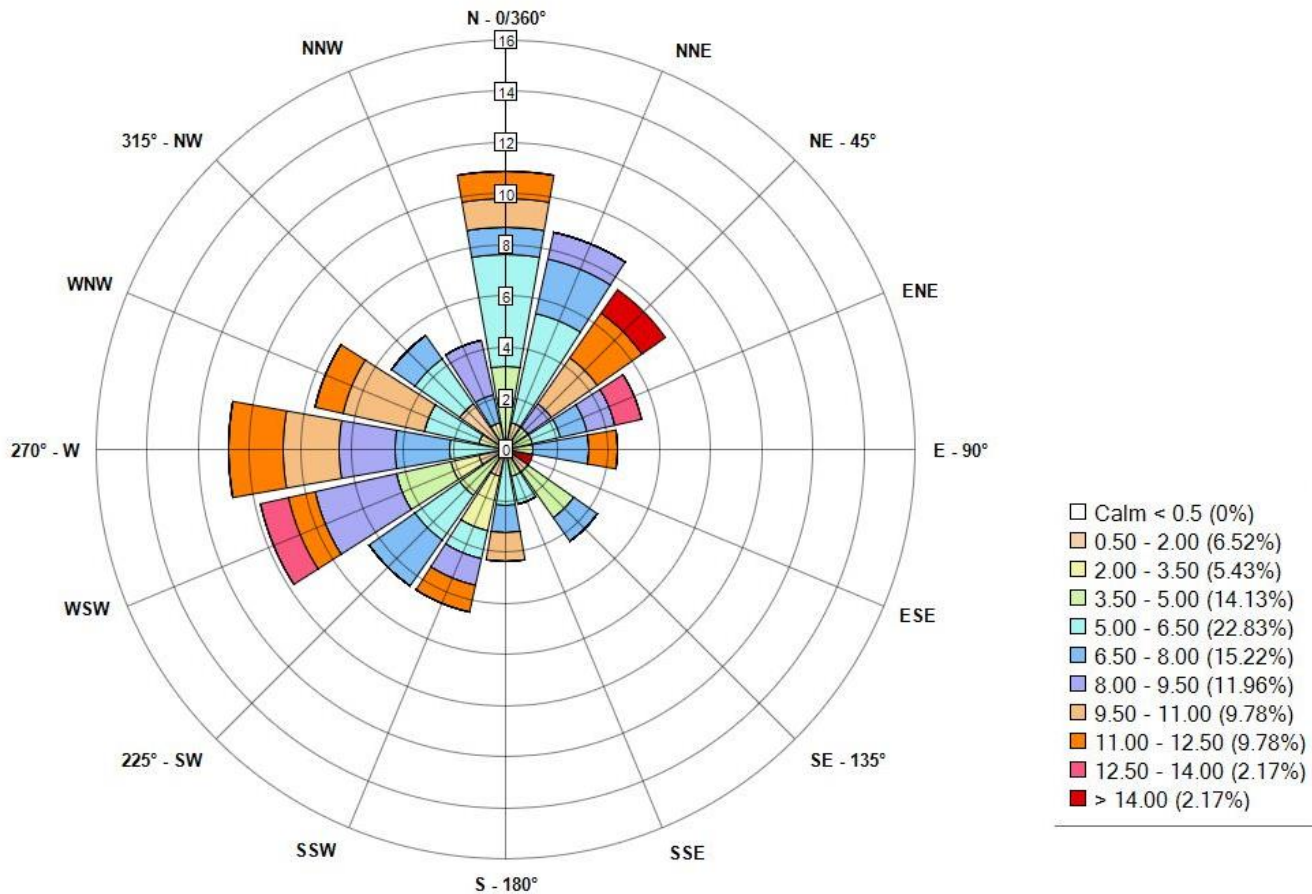


## Wind Rose Report for: Peak Gold Cobar - Daily Summary

VWDIR Vector Wind Dir and VWSP Vector Wind Spd in km/h

Period: 2020-03-01 00:00 to 2020-05-31 23:59

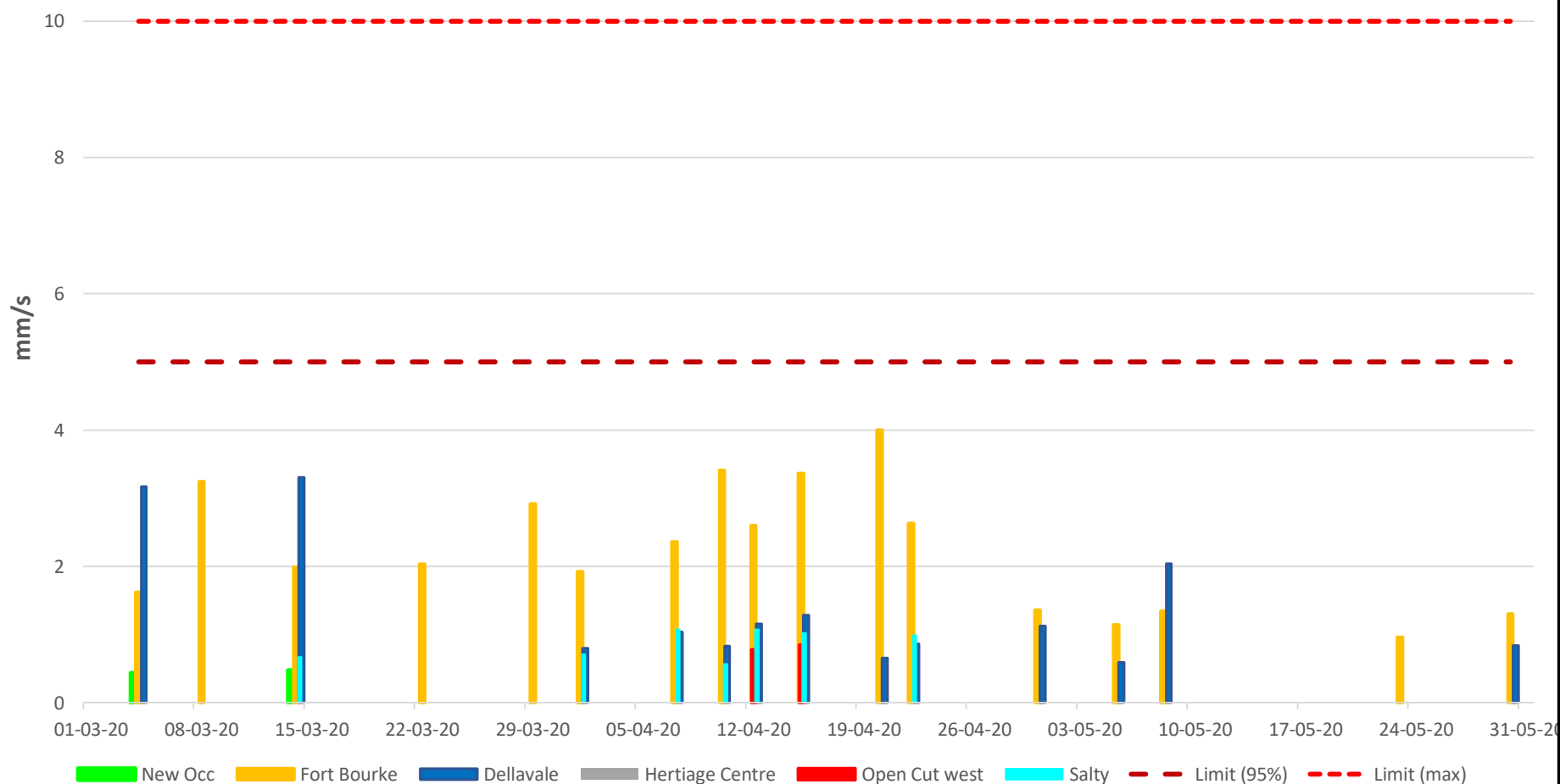
Direction the Wind is Blowing To



# Environmental Monitoring - Blasting



Production Blasting March to June 2020



## Complaints March – May 2020



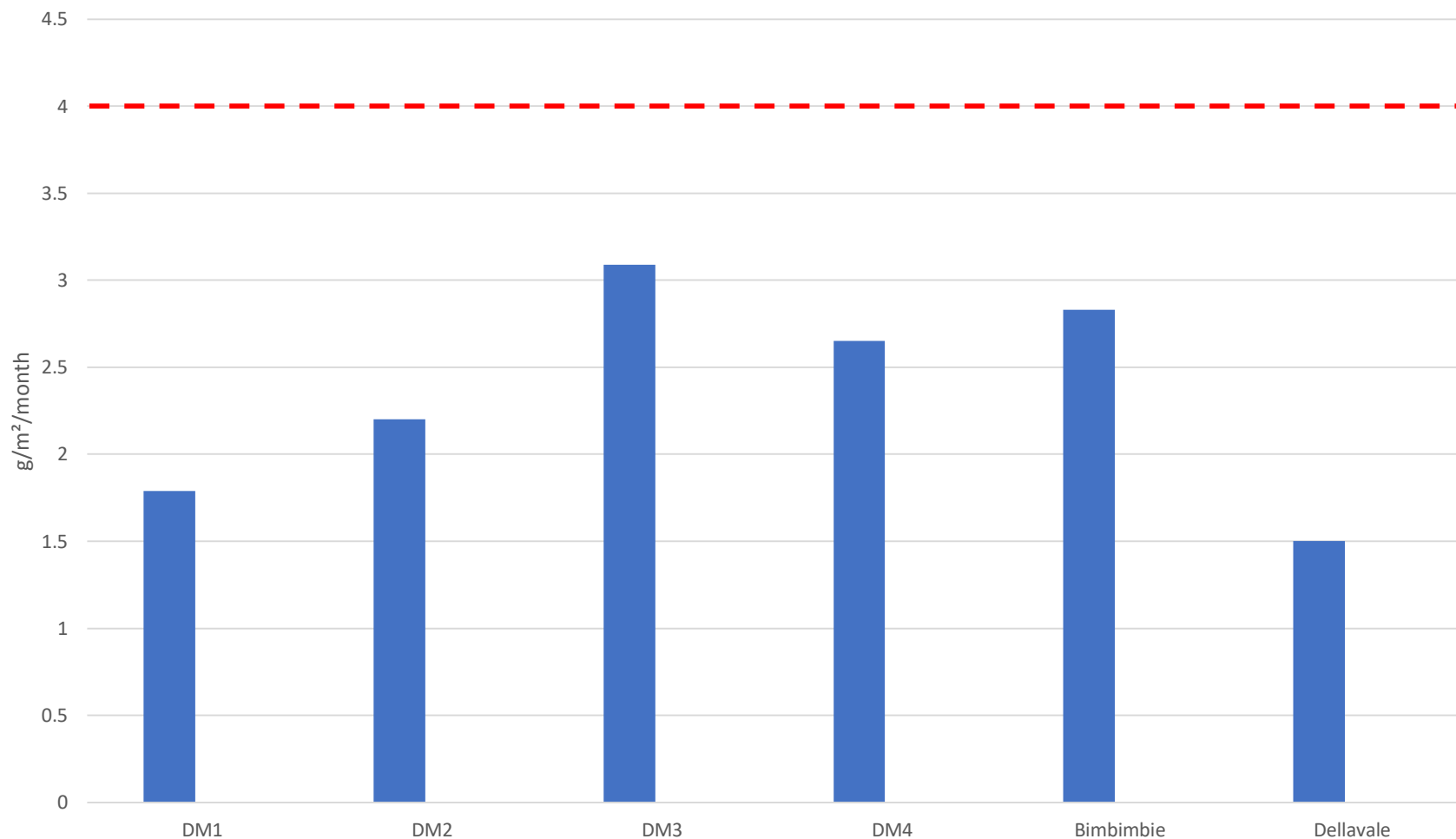
Date	Notification only	Complaint	Reason for complaint
14/03/2020		Yes	Blasting Vibration
29/03/2020		Yes	Blasting Vibration
01/04/2020		Yes	Blasting Vibration
12/04/2020		Yes	Blasting Vibration
12/04/2020	Yes		Blasting Vibration
05/05/2020		Yes	Blasting Vibration
15/05/2020		Yes	Blasting Vibration
30/05/2020		Yes	Blasting Vibration



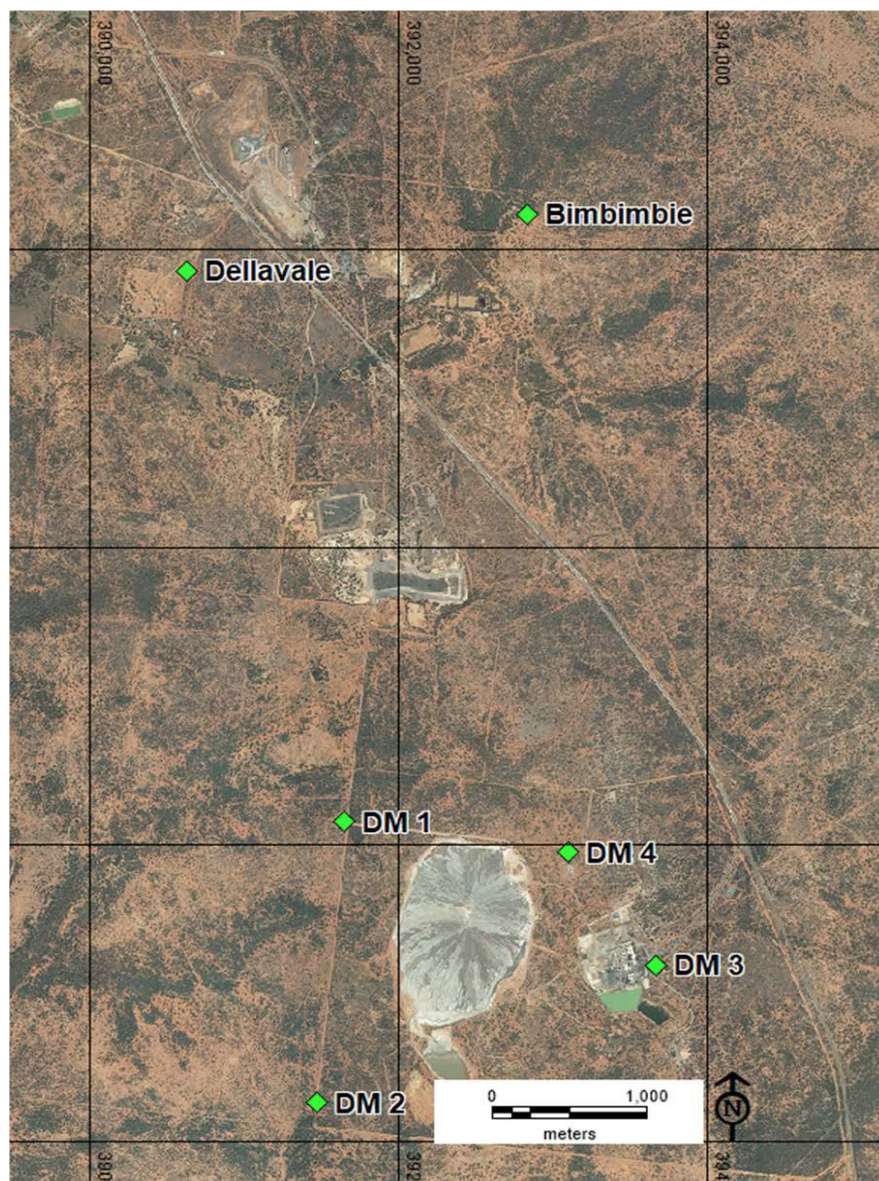
# Environmental Monitoring – Depositional Dust



Annualised Compliance Dust Deposition Gauges (May 2019- April 2020)



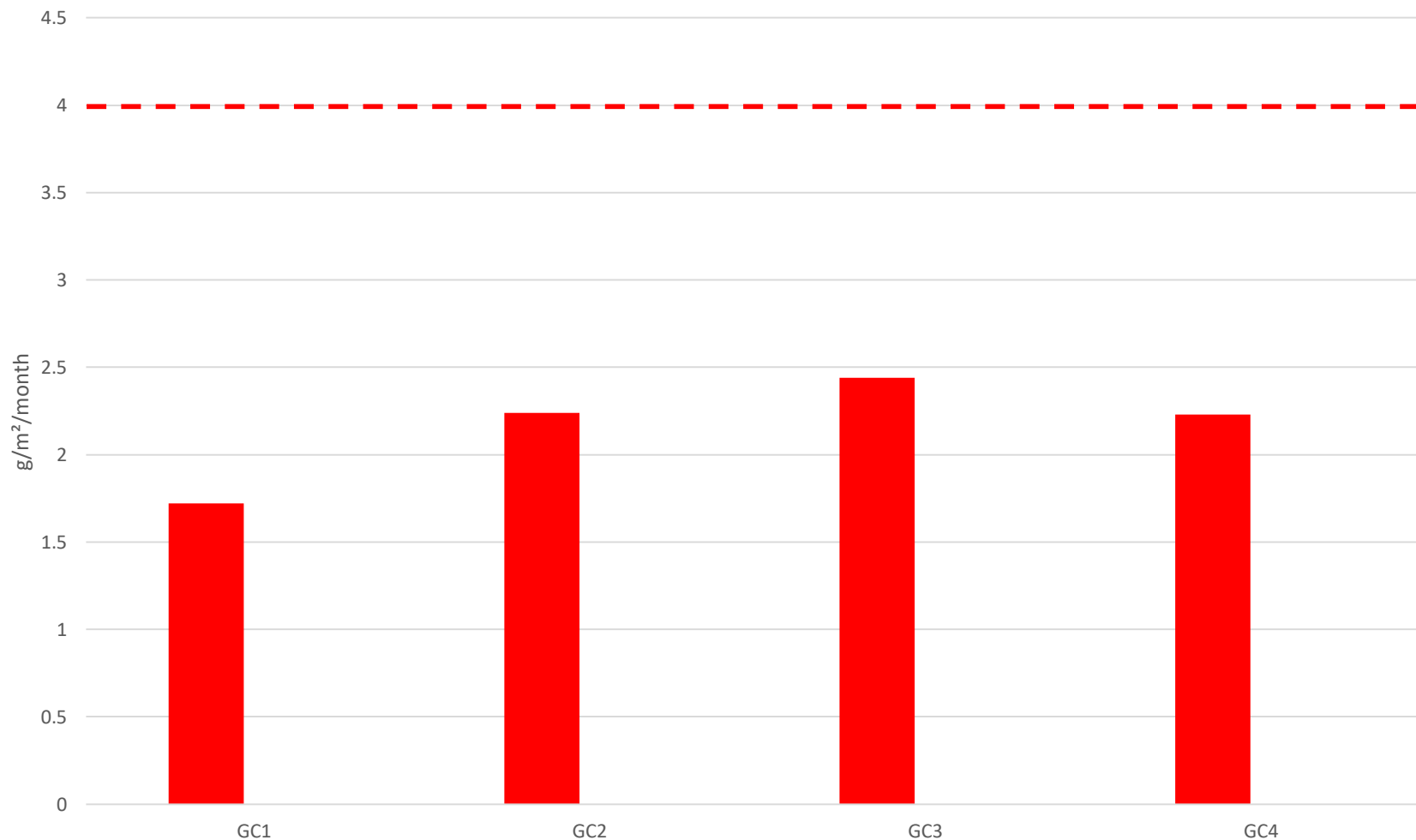
# PGM Dust Monitoring Locations



# Environmental Monitoring – Depositional Dust

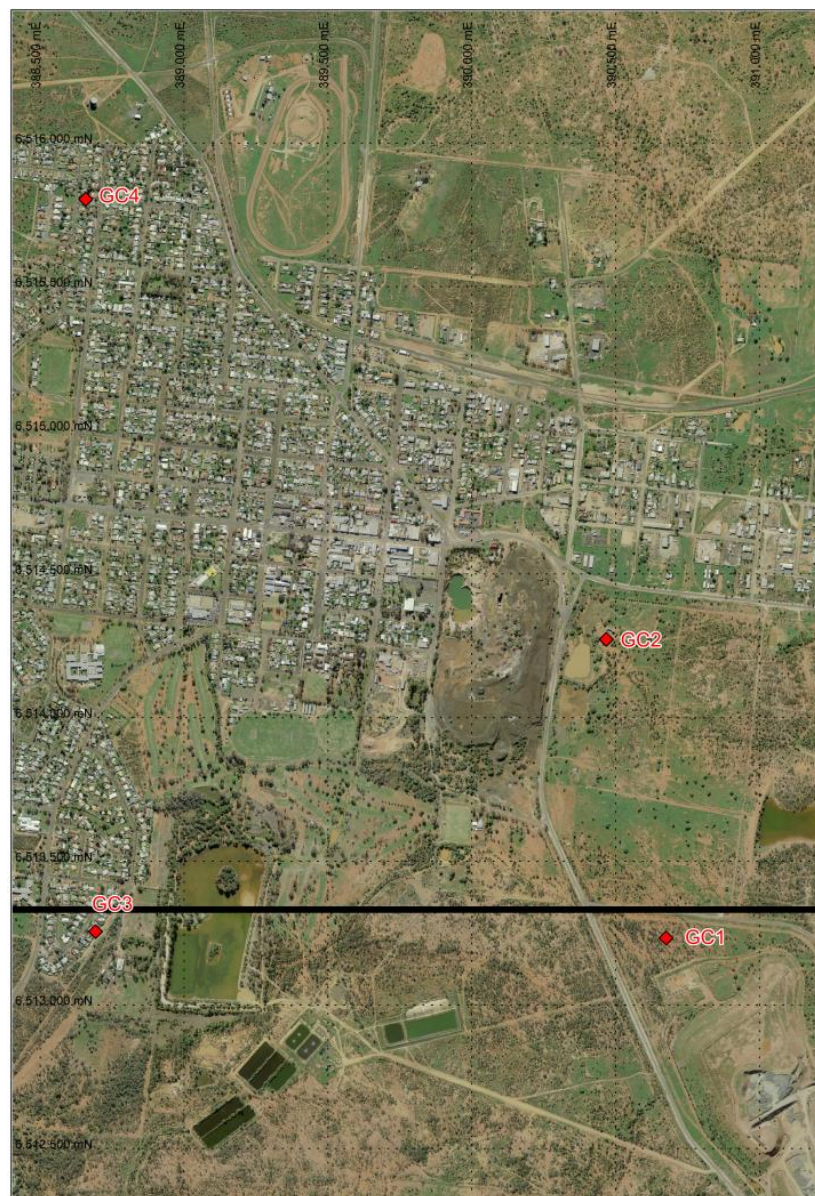


Annualised Town Dust Deposition Gauges (May 2019 - April 2020)





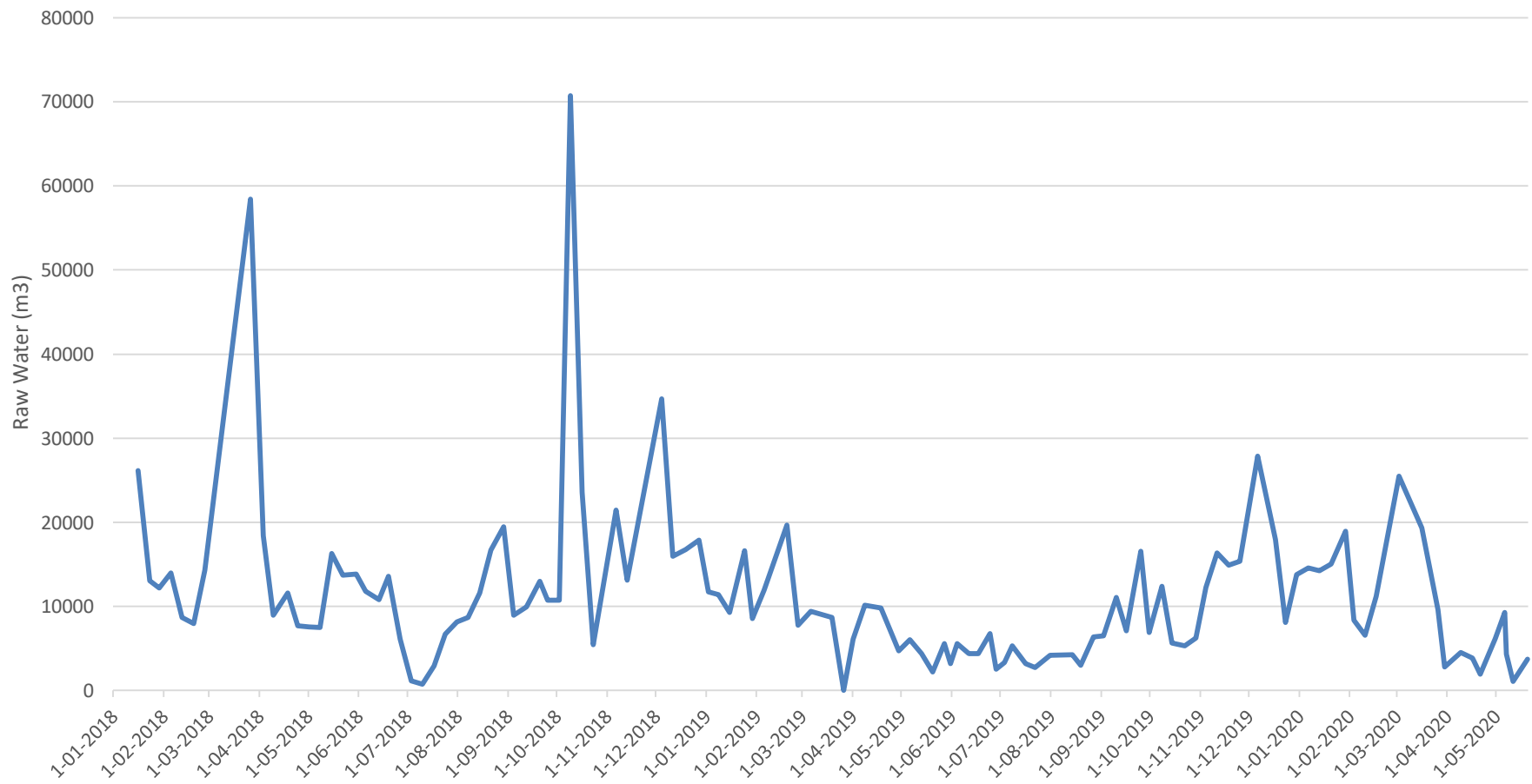
# Town Dust monitor Locations



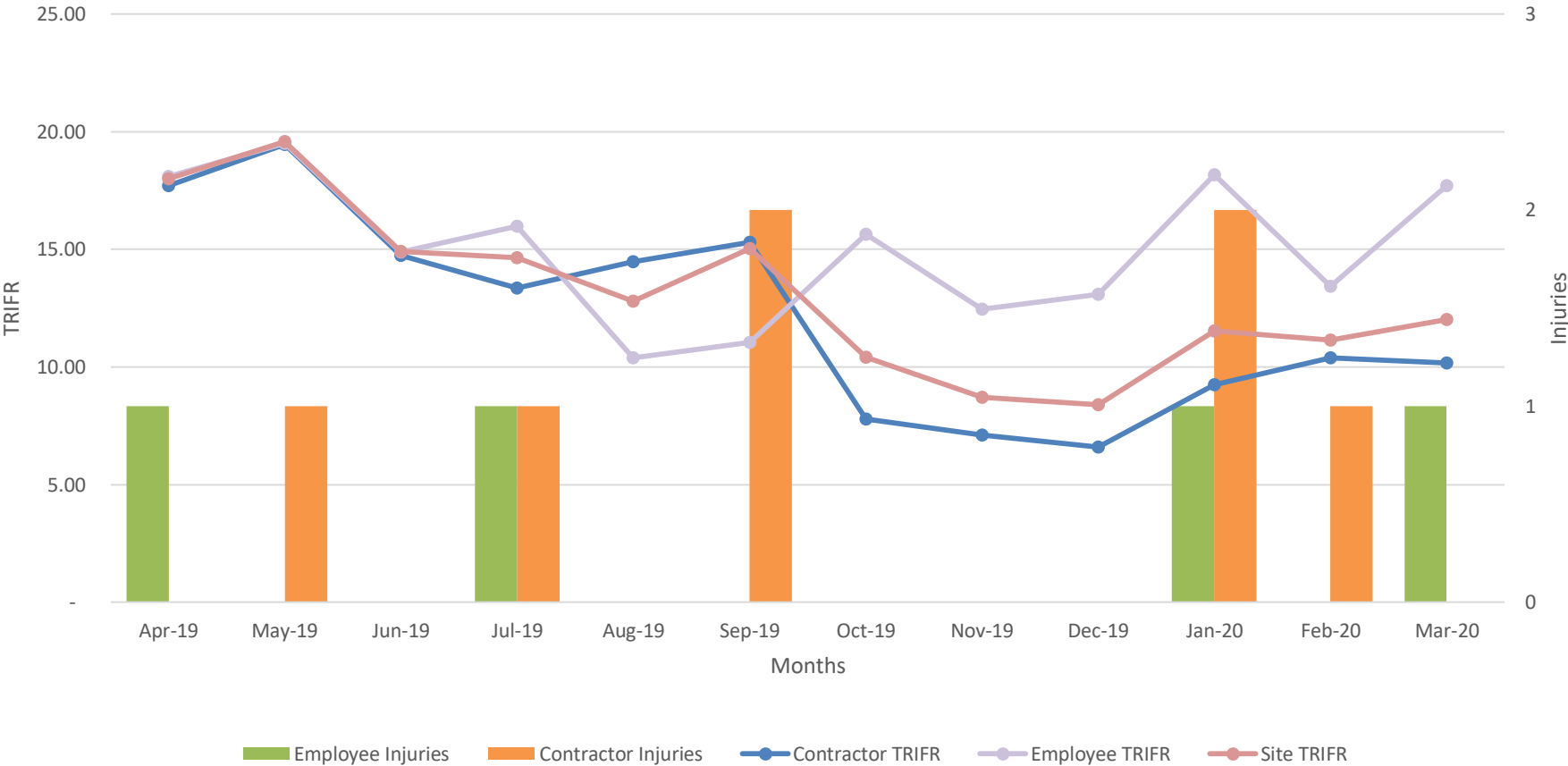
# Water Balance



Raw Water Usage 2018-Present



Total Recordable Injury Frequency Rate (Rolling) and Monthly Injuries





# Incident – New Cobar Dam 4 Seepage Event



## Incident Details:

- 25mm rainfall received between the 20th March 2020 and the 1st of April 2020. A large rainfall event occurred between the 2nd – 4th April 2020, whereby cumulatively site received 98.2mm of rain.
- NCD4 catches rainfall runoff from New Cobar Complex offices, shaft & winder house, surface workshops and laydown areas.
- NCD4 has contingency measures in place to pump to the settlings ponds where the water is transferred to either Spain's Dam or the Young Australia Dam (as per EPL Conditions) during rainfall events to reduce the risk of an uncontrolled discharge from site.
- The pump in NCD4 failed, allowing the water level to rise, in turn breaching the trigger level in the dam.
- Due to large volume of water in the dam, a small seepage point developed in the South-Western wall.





# Incident – New Cobar Dam 4 Seepage Event



## Action taken to deal with the Incident:

- PGM ESR Advisor took photographs of the site. Water and soil samples of the seepage were collected.
- No pooling water was observed beyond the road reserve albeit samples were taken approximately 300m passed this point as a precaution.
- No environmental harm was observed as a result of the incident.
- PGM propose not to undertake clean-up works of the seepage runoff, as the damage from the clean-up will have a greater environmental impact then the potential impact from the incident.

## Actions taken to prevent recurrence of Incident:

- The failed pump at NCD4 was replaced with a pontoon style system.
- Preventative maintenance checks will be completed on the new pump once per month by the PGM maintenance department.
- Environmental dam inspections will continue to be undertaken monthly, and after 20mm of rainfall.



## Great Cobar Pipeline:

- Pumping of Great Cobar groundwater has commenced.
- The water quality includes high total dissolved solids (TDS) and heavy metals.
- Additional water treatment is necessary prior to use.
- Peak are currently in the process of installing the RO plant at PGM.





## Environmental Impact Statement (EIS) for New Cobar Complex

### Major Milestone's to Date:

- The Secretary's Environmental Assessment Requirements (SEARs) were issued on the 12<sup>th</sup> of February
- Technical assessments have progressed including:
  - Field component associated with traffic, surface water and groundwater assessments;
  - The baseline Human Health Risk Assessment (HHRA) field sampling has been conducted;
  - Modelling associated with air quality and groundwater has commenced.
- The Environmental Impact Statement is on schedule to be submitted by Q1 2021
- Despite COVID-19 restrictions, community engagement and consultation continues via online and print (Cobar Weekly) platforms
- If you would like further information please refer to
  - The Department of Planning, Industry and Environment (DPIE) Major Projects Website:
    - <https://www.planningportal.nsw.gov.au/major-projects/project/26616>
  - The Aurelia Metals Social Pinpoint Website:
    - <https://emm.mysocialpinpoint.com/new-cobar-complex>
  - The Aurelia Metals Facebook Page:
    - <https://www.facebook.com/aureliametals/>
  - Major updates are provided in the Cobar Weekly.

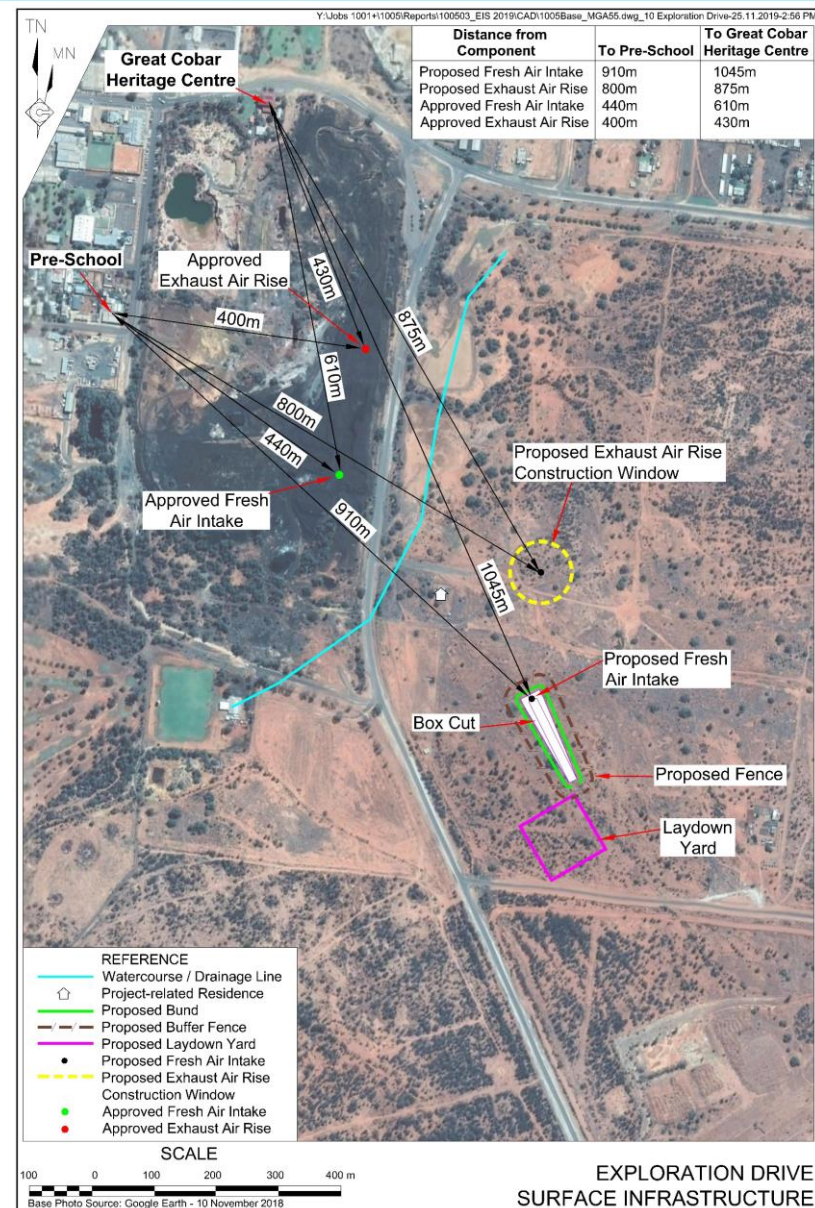
# Great Cobar Exploration Decline



## Proposed Amendment to Great Cobar Decline

### Review of Environmental Factors (REF)

- The approved REF relates to the underground exploration and includes:
  - A ~2km decline
  - Ventilation system
  - 20,000m resource drilling
  - Removal of a 20,000T bulk sample
- The REF was submitted to the Resources Regulator and Cobar Shire Council on the 14<sup>th</sup> of February 2020;
- The REF was approved by the Resources Regulator on the 8<sup>th</sup> of May 2020;
- There are no immediate plans to commence the exploration decline.





# Tailings Storage Facility – Life Of Mine Approval



- PGM are currently preparing a development application in support of a life-of-mine (LOM) construction program for the tailings storage facility (TSF)
- The proposal includes three components
  1. Tailings Storage Facility lift
  2. Transportation of Waste Rock from Queen Bee to Peak
  3. Surface exploration
- Application currently in progress
  - Feedback encouraged

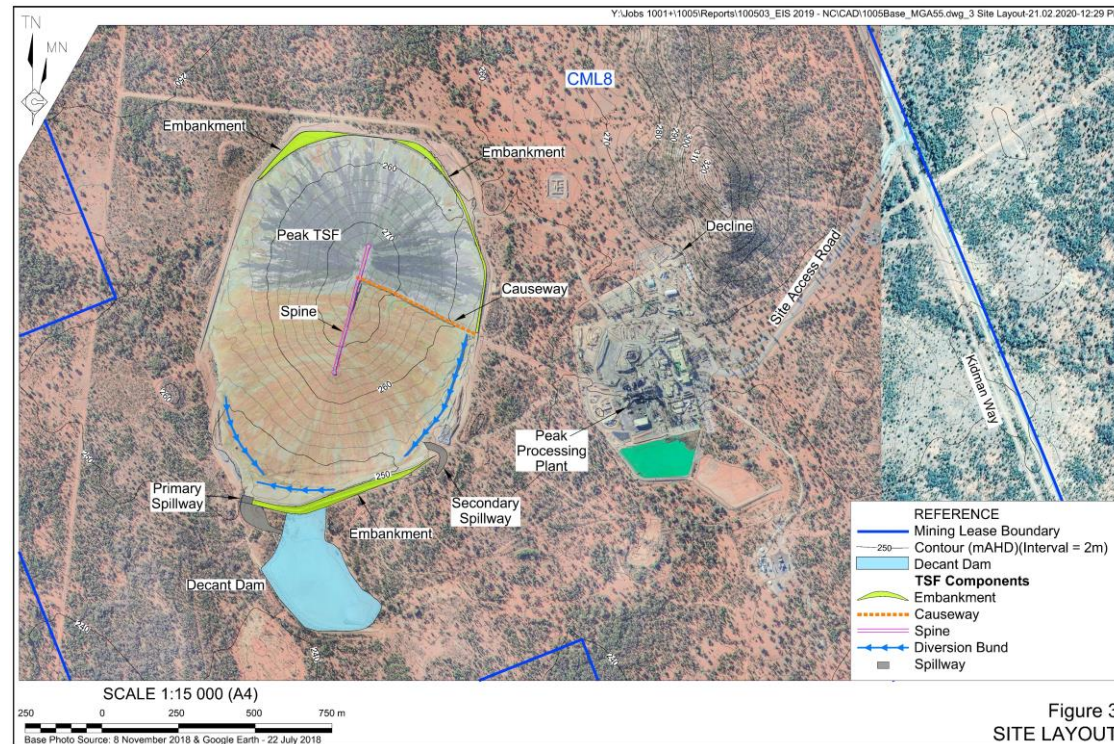


Figure 3  
SITE LAYOUT



# Tailings Storage Facility – Life Of Mine Approval



## 1. Tailings Storage Facility lift

- TSF currently approved to Stage 4
- Proposal would allow for Stages 5, 6 and 7
- No additional land disturbance
- Final elevation around 300m AHD or 17m higher than current stage
- Provide tailings capacity until 2035
- Environmental impacts unchanged (as per current TSF)

## 2. Transportation of Waste Rock from Queen Bee to Peak

- Approval require to transport that material to Peak Mine
- Will be used for TSF construction
- Traffic assessment required. No other environmental impacts

## 3. Surface exploration

- Approval required for surface exploration on existing Mining Leases
- Within disturbed areas only
- No environmental impacts

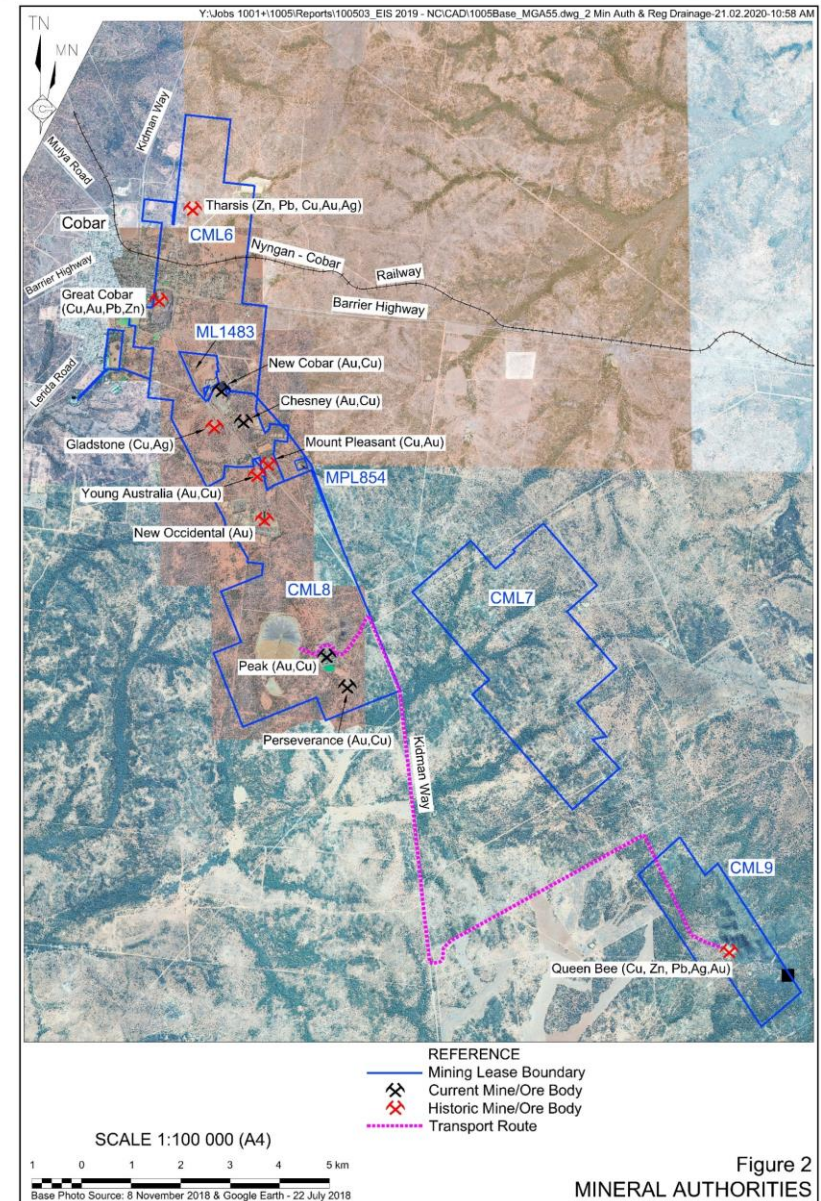


Figure 2  
MINERAL AUTHORITIES

## Community Meeting:

- Last Meeting held on the 27<sup>th</sup> Feb 2020. May Meeting was postponed due to COVID-19 restrictions.

## Donations:

An internal meeting was held in May to address the applications from January/February 2020. Approximately \$16,000 will be donated to a range of sporting clubs/educational groups including:

- Cobar Lady Golfers \$1000
- St Johns P&F \$1000
- RFDS (defibrillators) \$3190
- Cobar Arts Council \$1791

