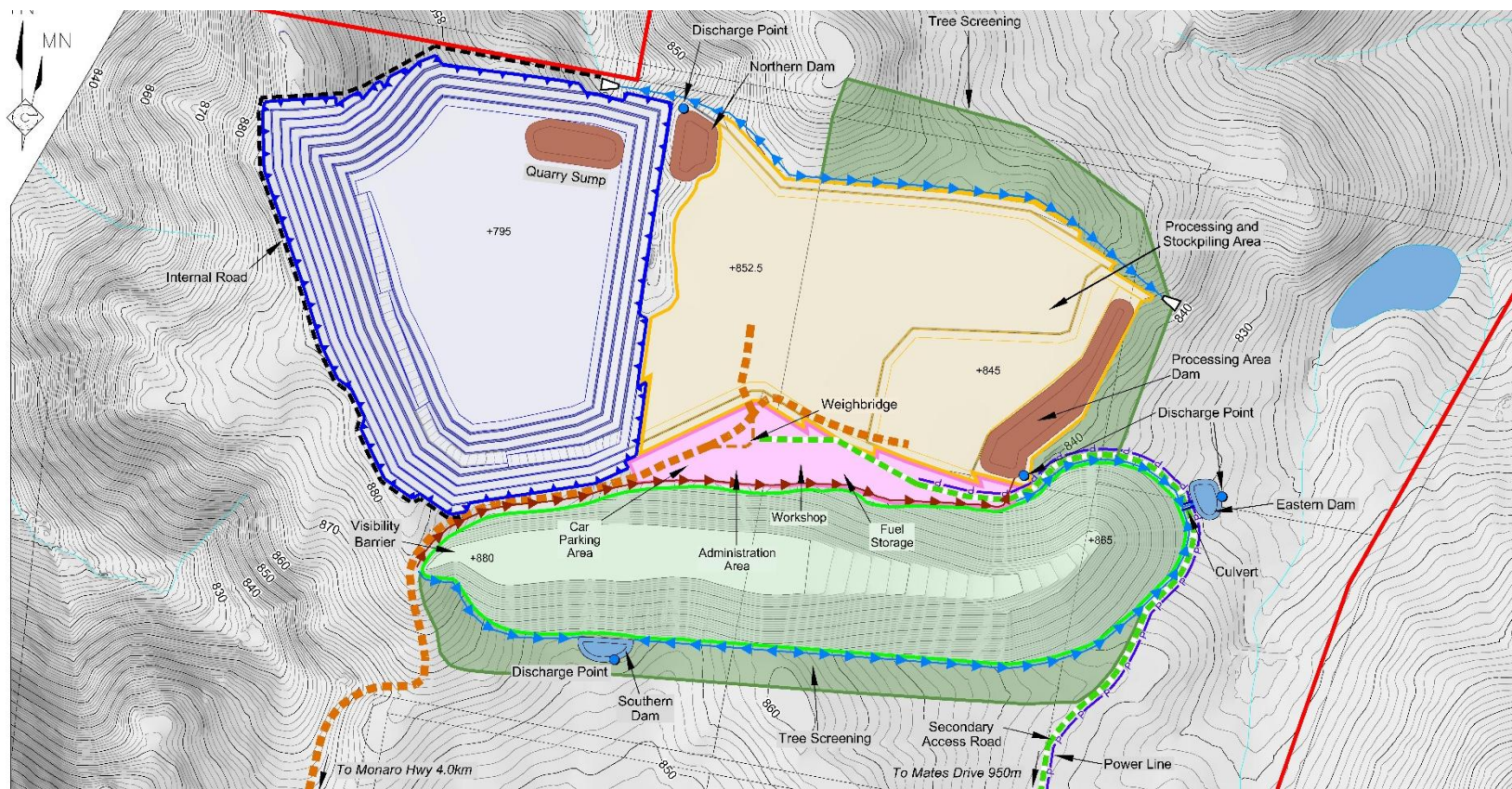


# Monaro Rock Quarry Project

## Virtual Community Meeting – August 2026



# Ground Rules and Process



- ❖ **Principal rule is to treat everyone with courtesy and respect.**
- ❖ Brief presentation, followed by questions
- ❖ All microphones will be muted during the presentation.
- ❖ Please use the raised hand function on Teams and I will progressively move through questions.
- ❖ Feel free to add questions using the Q&A function (not the chat).
- ❖ The meeting will be recorded for the benefit of those not able to attend.

# Monaro Rock



- ❖ Local company created by two families to develop the quarry.
  - ❖ Monaro Mix Specified Concrete Pty Limited
  - ❖ Pacific Formwork Pty Limited and Precast Projects Pty Ltd
- ❖ Combined there is 50+ years of experience in local and independent operations within Queanbeyan and the ACT.
- ❖ Currently employ approximately 250 personnel
- ❖ Locally funded with no grants or government input

# Monaro Rock



- ❖ Supply to local construction works, concrete and road construction and maintenance.
  - ❖ The ACT needs to build 30,000 homes between June 2024 and the end of 2030.
  - ❖ The Eastern Broadacre employment corridor is proposed to support manufacturing, technology and industry into the future.
  - ❖ The Dunns Creek Road is planned to connect Googong directly to the ACT.
- ❖ A local infrastructure fund is to be developed through volunteer groups and Council to support local projects aimed at environmental stewardship and community planning.

# Submissions



- ❖ 95% of submissions objected to the Project.
- ❖ Submitter location was local
  - ❖ Royalla (44%)
  - ❖ Tuggeranong (27%)
  - ❖ Googong (14%)
- ❖ Other submissions in NSW, ACT and Victoria.
- ❖ Supportive submissions were from similar suburbs.
- ❖ Government agency comments on the application also addressed.

# Submissions – Matter Raised



- ❖ Dust (63%) and health risks (61%)
- ❖ Traffic and road safety (54%)
- ❖ Biodiversity (43%)
- ❖ Noise (41%)
- ❖ Community lifestyle and character (36%)

# Submissions – Matters Raised



- ❖ Local economic benefits
- ❖ Jobs
- ❖ Resource availability
- ❖ Construction materials

# Submissions Report



- ❖ The Submissions Report has been published to the NSW Major Projects website
- ❖ <https://www.planningportal.nsw.gov.au/major-projects/projects/monaro-rock-quarry-project>
- ❖ It includes the updated assessments that have been presented with the Submissions Report

# What assessment was done



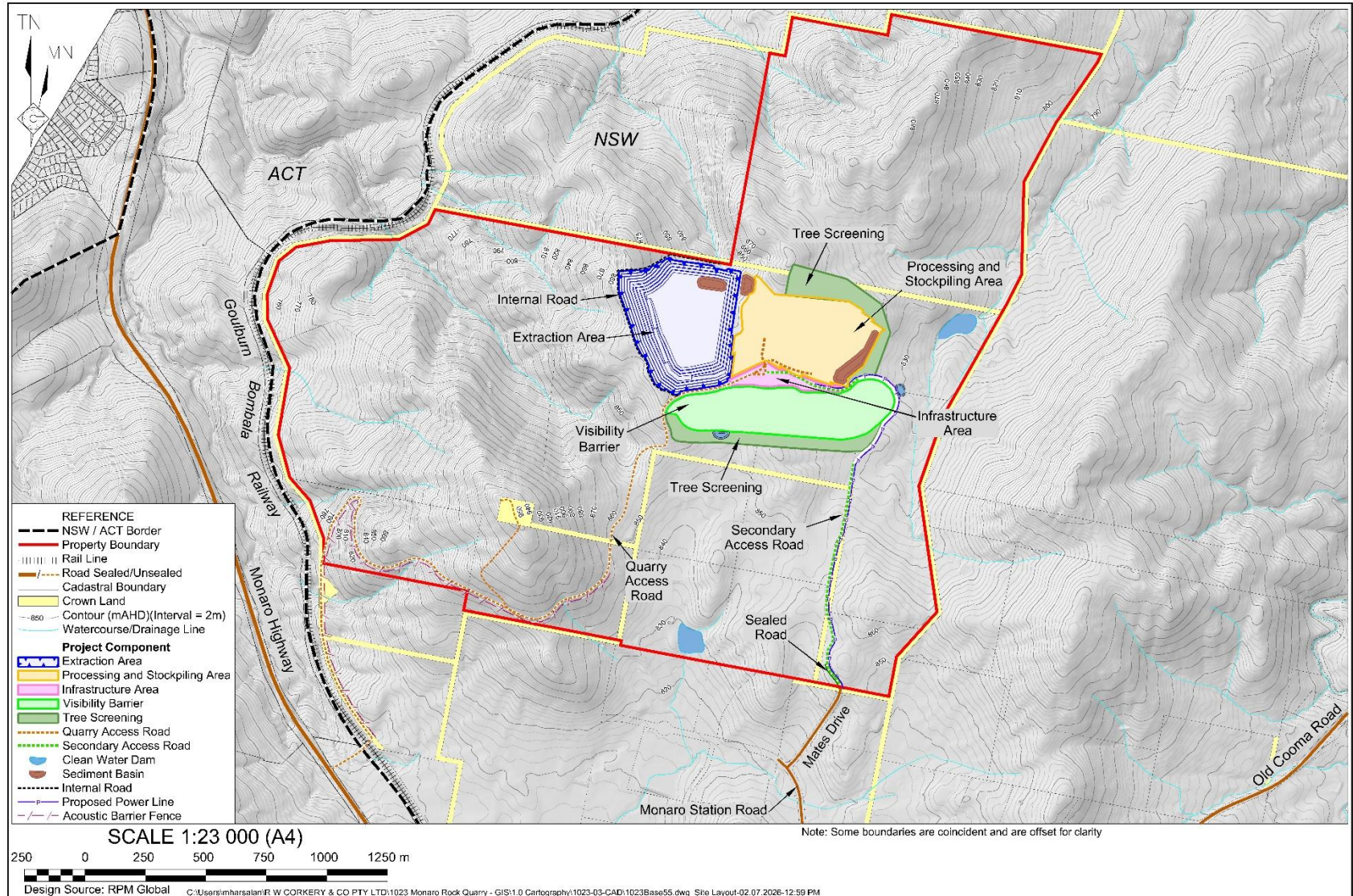
- ❖ Updated dam sizing and management
- ❖ Subsurface investigations for Aboriginal heritage
- ❖ Updated traffic surveys on Monaro Highway, Old Cooma Road and Monaro Station Road
- ❖ Refined air quality and noise assessments
- ❖ Ecological field surveys for the Canberra Spider Orchid and for bat species.
- ❖ Preparation of a dedicated management plan for the Small Purple-pea (*Swainsona recta*)

# What has changed

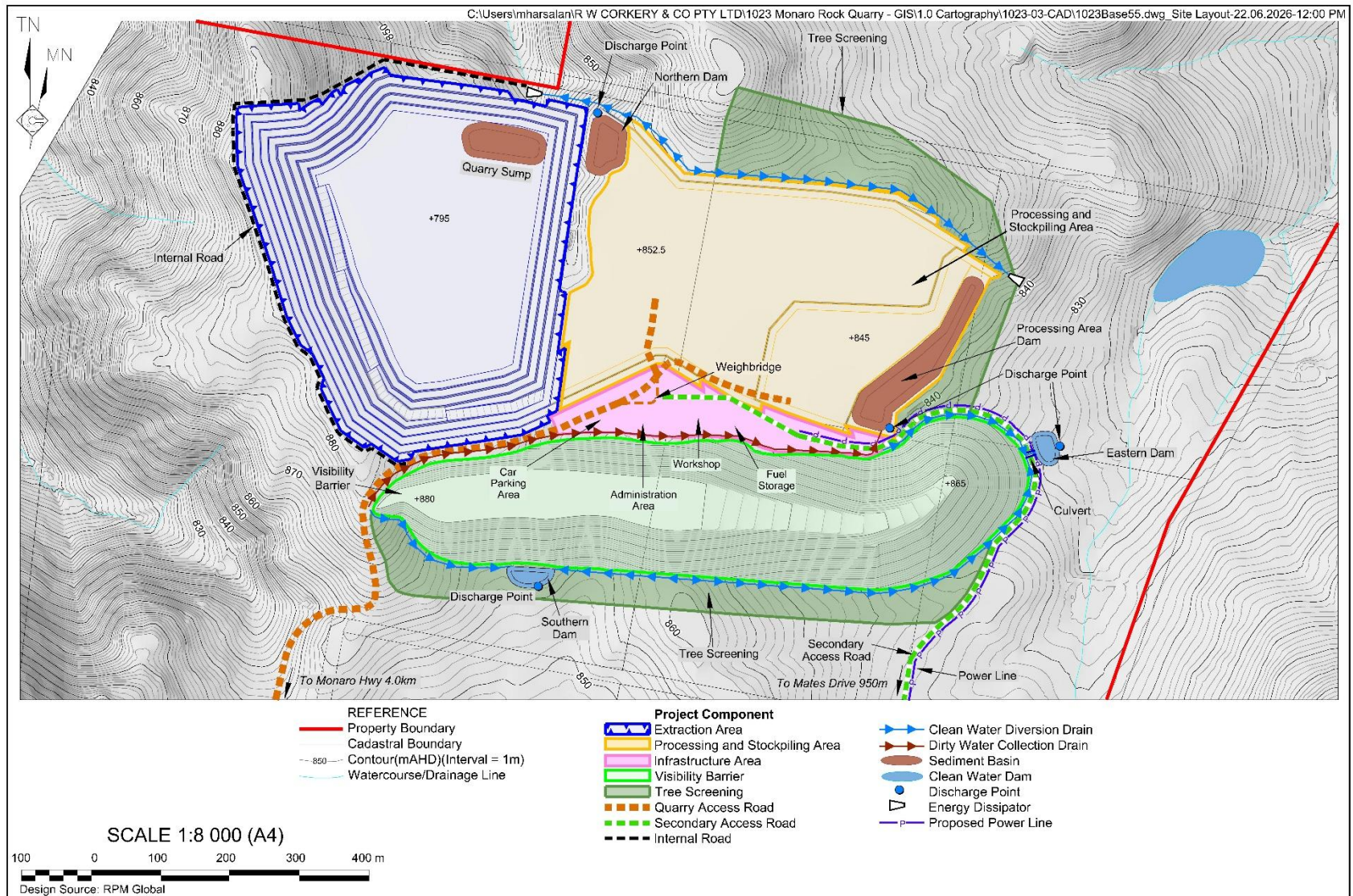


- ❖ Sediment basins within the operating area are slightly larger to capture a 1-in-10-year 24hr rainfall event (96.5mm).
- ❖ The Secondary Access Road would be sealed for 120m to reduce noise and dust in proximity to residences on Mates Drive.

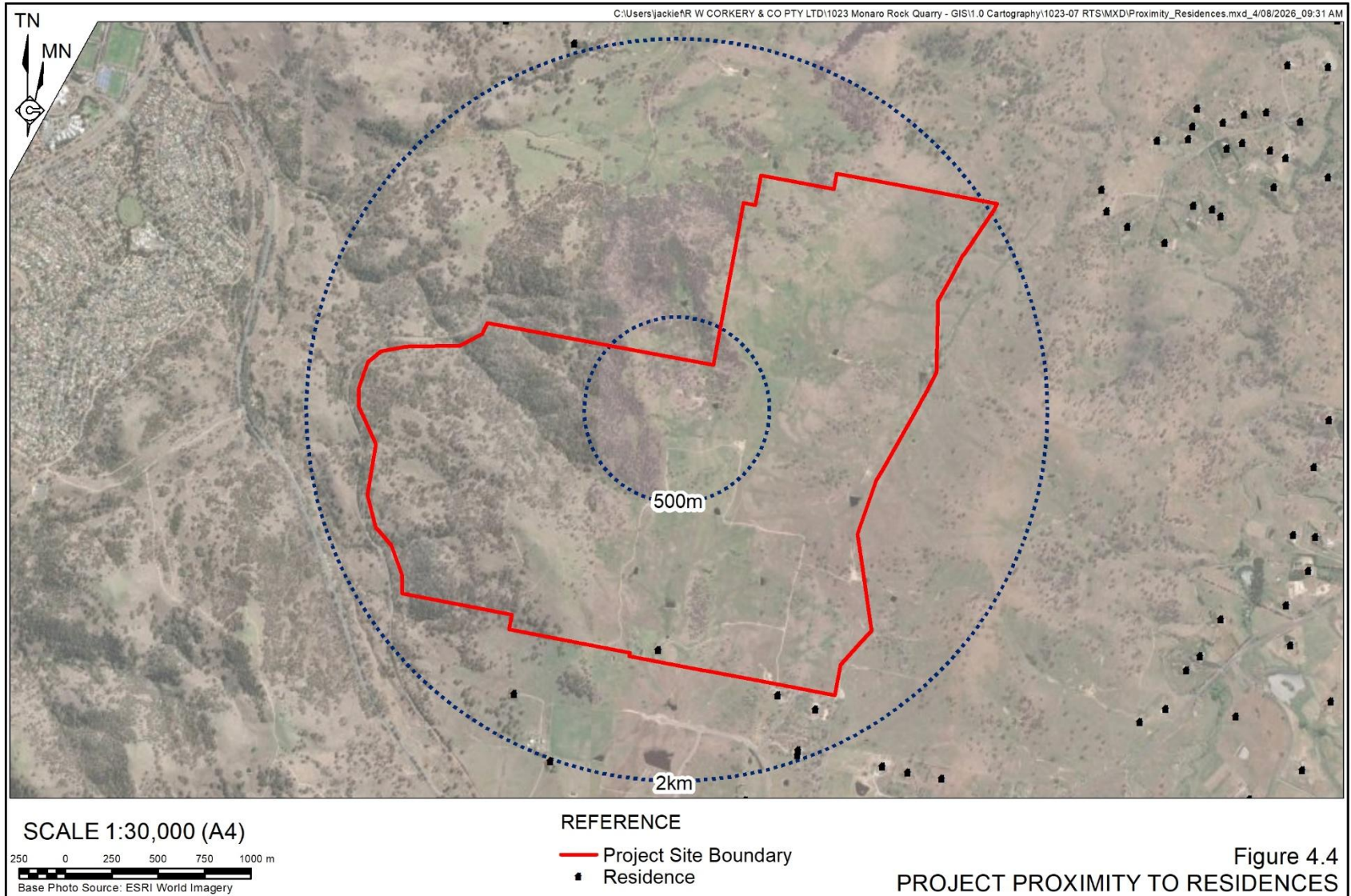
# Principal Project Components



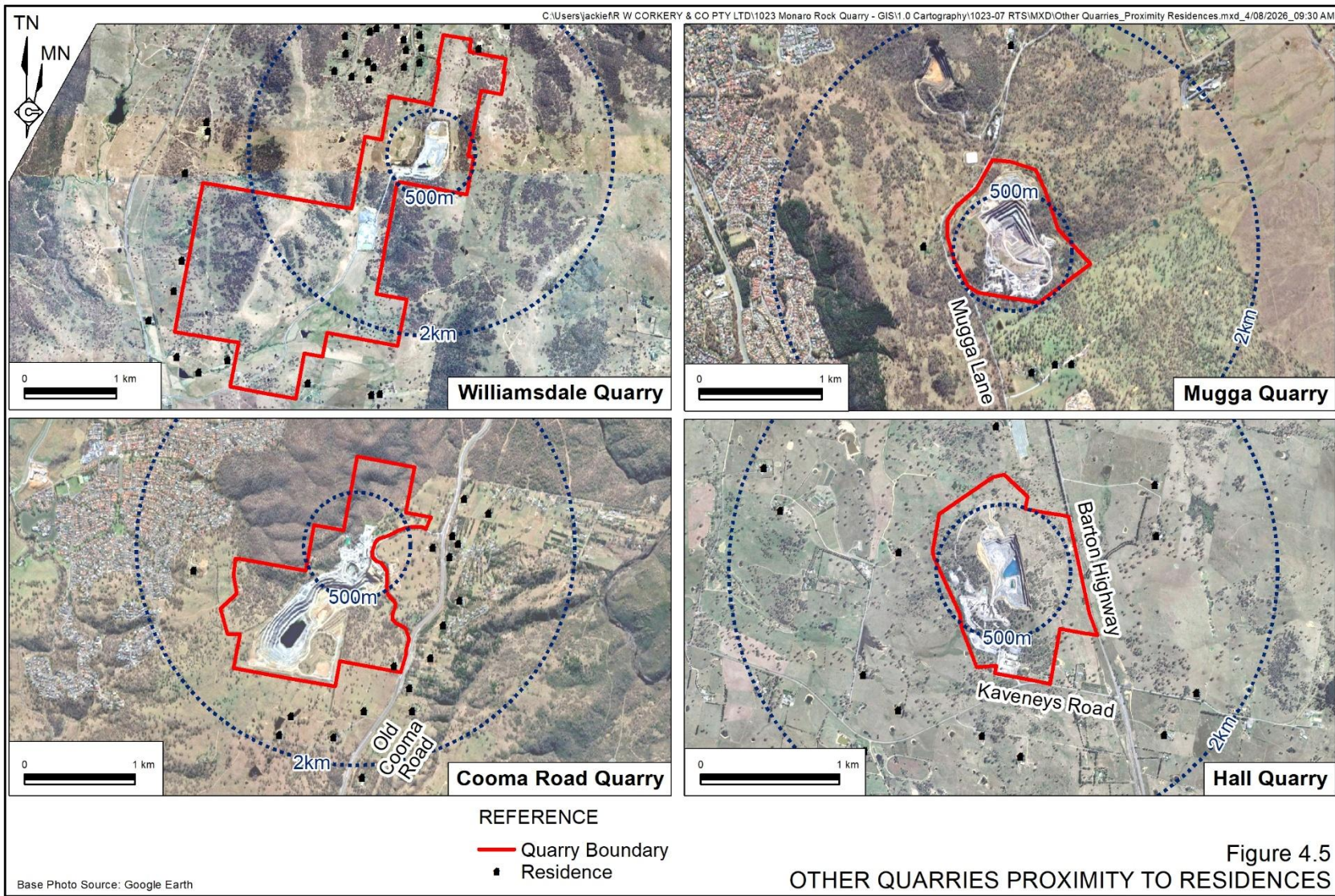
# Quarry Site Layout



# Proximity



# Proximity – other quarries



# Traffic Levels – EIS Table 3.5



| Transport Type                         | Most Common Vehicle Type | Transport Levels (loads / movements) <sup>1</sup> |            |                                           |
|----------------------------------------|--------------------------|---------------------------------------------------|------------|-------------------------------------------|
|                                        |                          | <b>Average Daily<sup>2</sup></b>                  | Peak Daily | <b>Cumulative Daily Limit<sup>3</sup></b> |
| Aggregate Despatch                     | Truck-and-Dog            | <b>95 / 190</b>                                   | 200 / 400  | <b>200 / 400</b>                          |
| VENM / Concrete Import                 |                          | <b>15 / 30</b>                                    | 60 / 120   |                                           |
| Concrete/Asphalt Raw Material Delivery |                          | <b>3 / 6</b>                                      | 5 / 10     |                                           |
| Asphalt Despatch                       |                          | <b>14 / 28</b>                                    | 40 / 80    |                                           |
| Concrete Despatch                      | Concrete Agitator        | <b>28 / 56</b>                                    | 50 / 100   | <b>50 / 100</b>                           |

Note 1: Loads and movements are considered separately as a load represents transport in both directions (despatch and return) while a movement represents one-way travel.

Note 2: Assumes 302 operating days in a 12-month period and average load of 35t

Note 3: Represents the maximum number of traffic loads/movements in any day across all transport types. That is, peaks in one type of traffic would require a decrease in other traffic types on a given day to a level no greater than the cumulative daily limit.

# Environmental Management – Appendix 9 of Submissions Report



- ❖ During construction and operations
- ❖ **Preventative measures** and **adaptive management**
- ❖ **Design controls** that minimise or mitigate risks of impact
- ❖ **Management measures** that all reduce risk from operational activities
- ❖ **Monitoring** to measure outcomes and track changes from the baseline.
- ❖ These measures along with the separation distance from residences will act to **preserve amenity** for the community.

# Why This Location is Suitable – Section 5.5 of the Submissions Report



- ❖ Resource quality and suitability for intended use.
- ❖ Connection to regional infrastructure such as roads but also water and power.
- ❖ Transport distance from the source to the intended use.
- ❖ Geology and physical features of the site including drainage and topography.
- ❖ Strategic planning provisions.
- ❖ Existing land use and risks of conflict.
- ❖ Environmental capacity of the setting and how the design can accommodate existing constraints.
- ❖ Available alternatives considering land availability and ownership, access and for any alternative, each of the above matters

# Other Approvals



- ❖ Approval from the Commonwealth government under the EPBC Act.
- ❖ Environmental Significance Opinion from the ACT Government before preparing a development application.
- ❖ Approval from the National Capital Authority for works on the Monaro Highway.

# Supplementary Slides



❖ For information purposes

# Project Summary



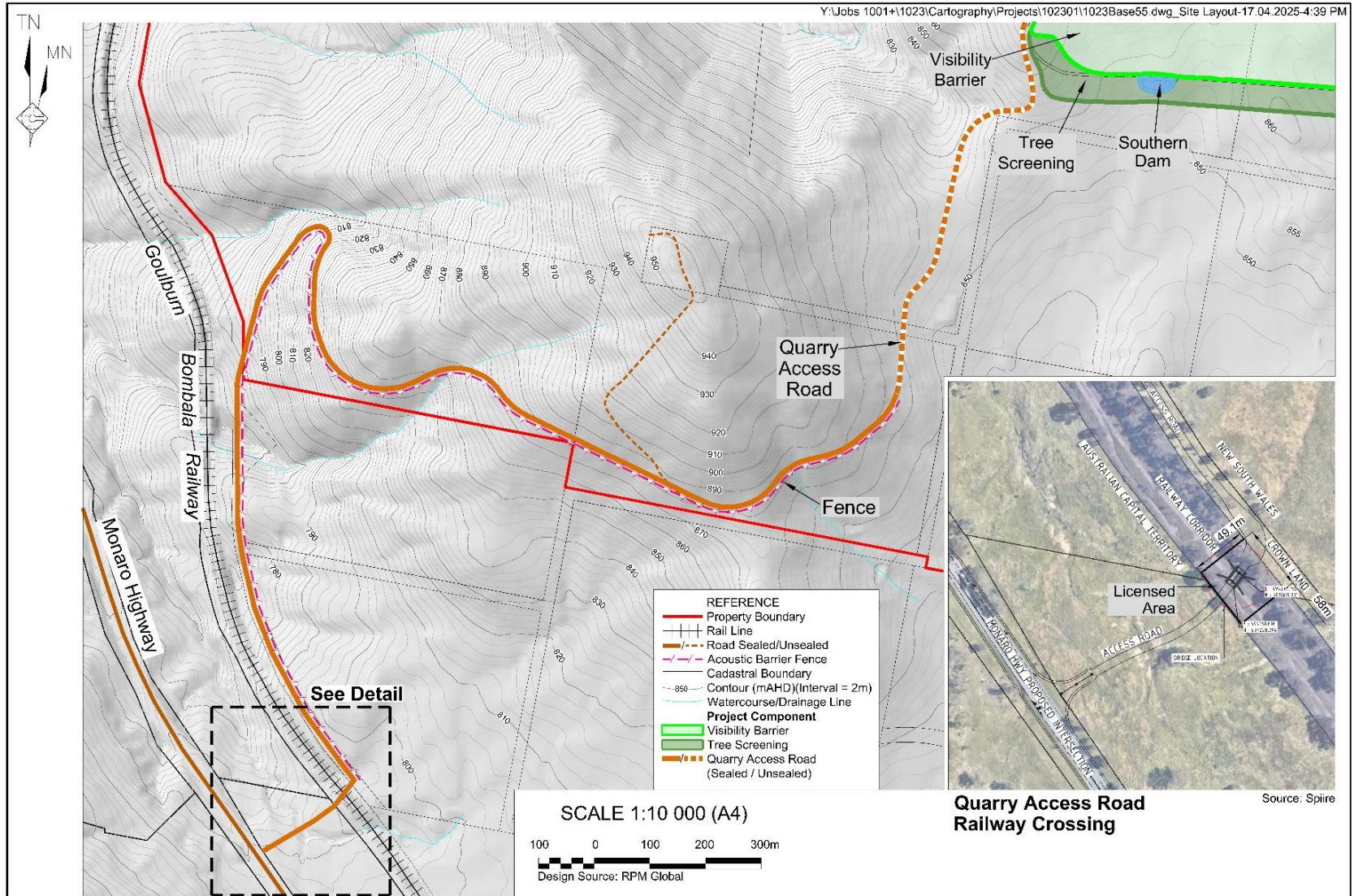
- ❖ Maximum production of up to **1 million tpa over 35 years**.
- ❖ Standard operating hours of **7:00am to 6:00pm Monday to Saturday** with extended hours for transportation (starting from 5:00am).
- ❖ Maximum of **200 laden trucks** per day and **50 concrete agitators** per day with no more than **25 laden trucks per hour**.
- ❖ Employment of up to **20 personnel** and **10 people** for transportation activities.
- ❖ Rehabilitation would seek return to productive grazing with areas for biodiversity conservation.

# Project Summary

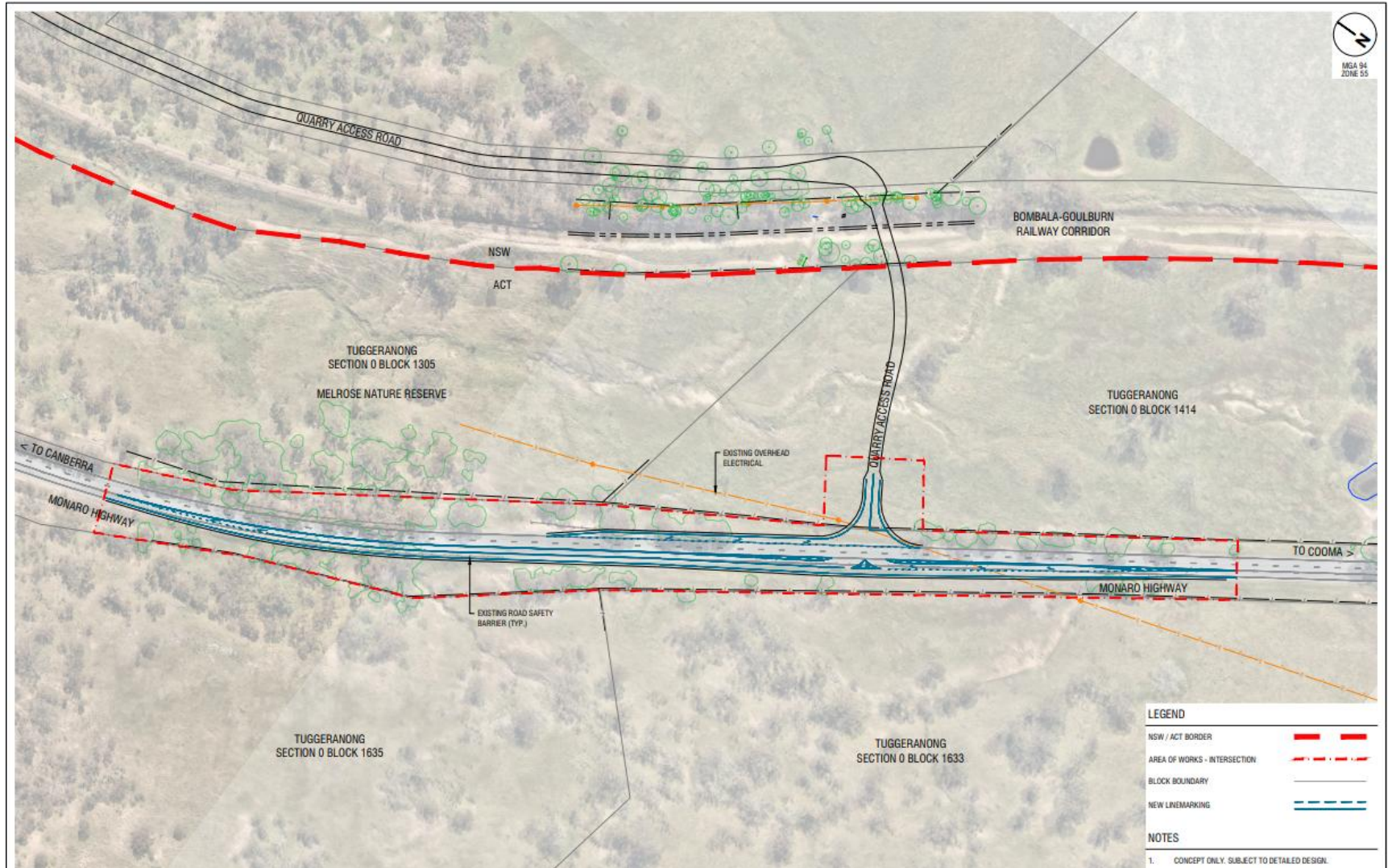


- ❖ Concrete production – up to 50,000m<sup>3</sup>
- ❖ Asphalt production – up to 50,000tpa
- ❖ Concrete recycling – up to 20,000tpa
- ❖ Pre-coat plant and pugmill in processing area
- ❖ Import of up to 150,000tpa of VENM and ENM for construction and rehabilitation.

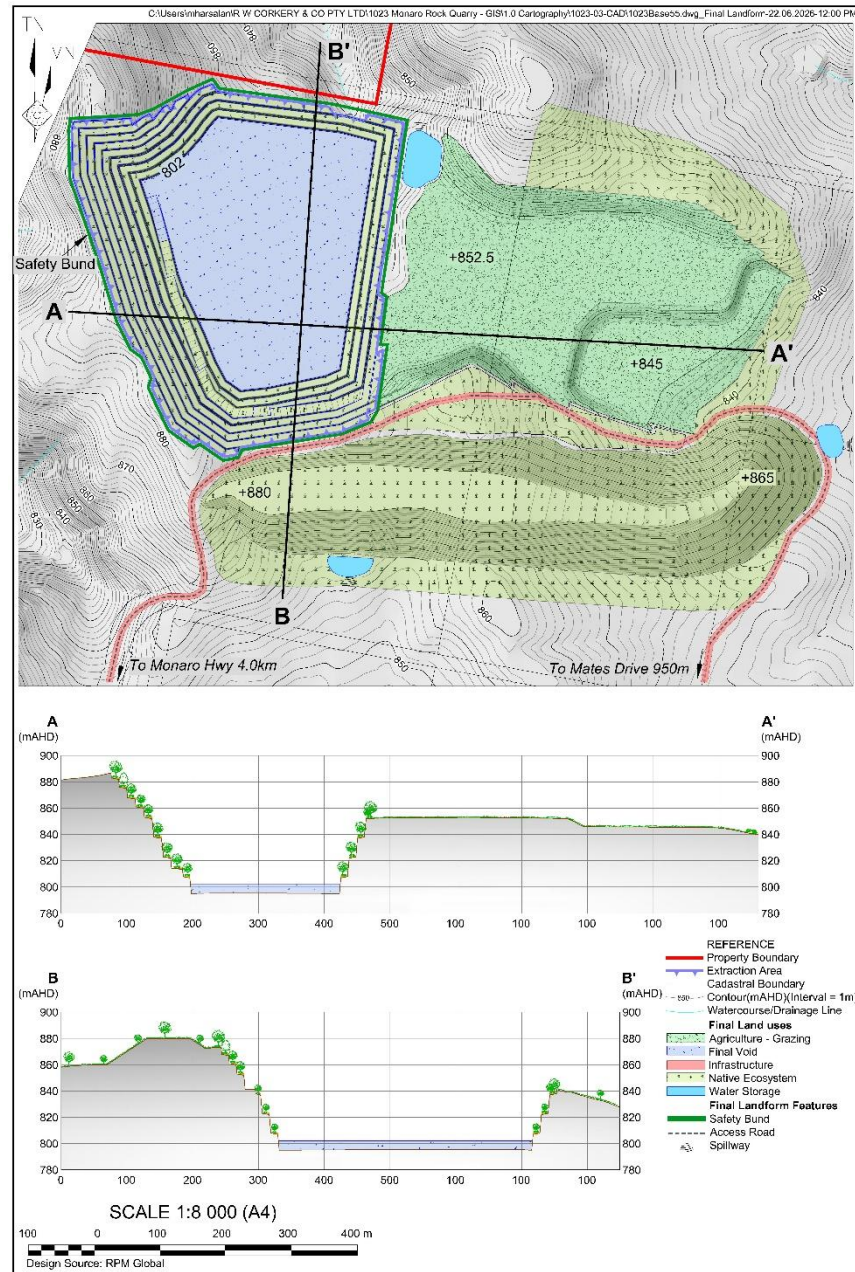
# Road and Intersection



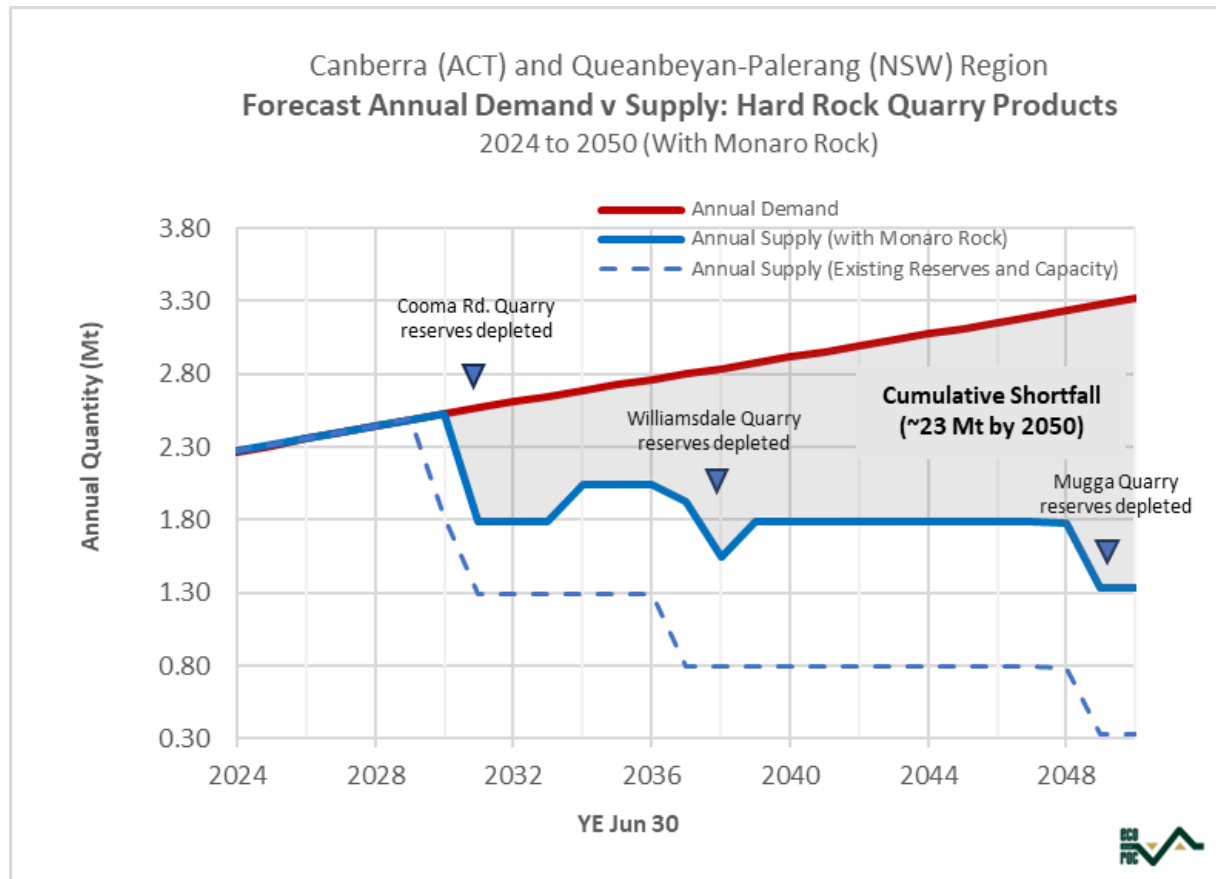
# Road and Intersection



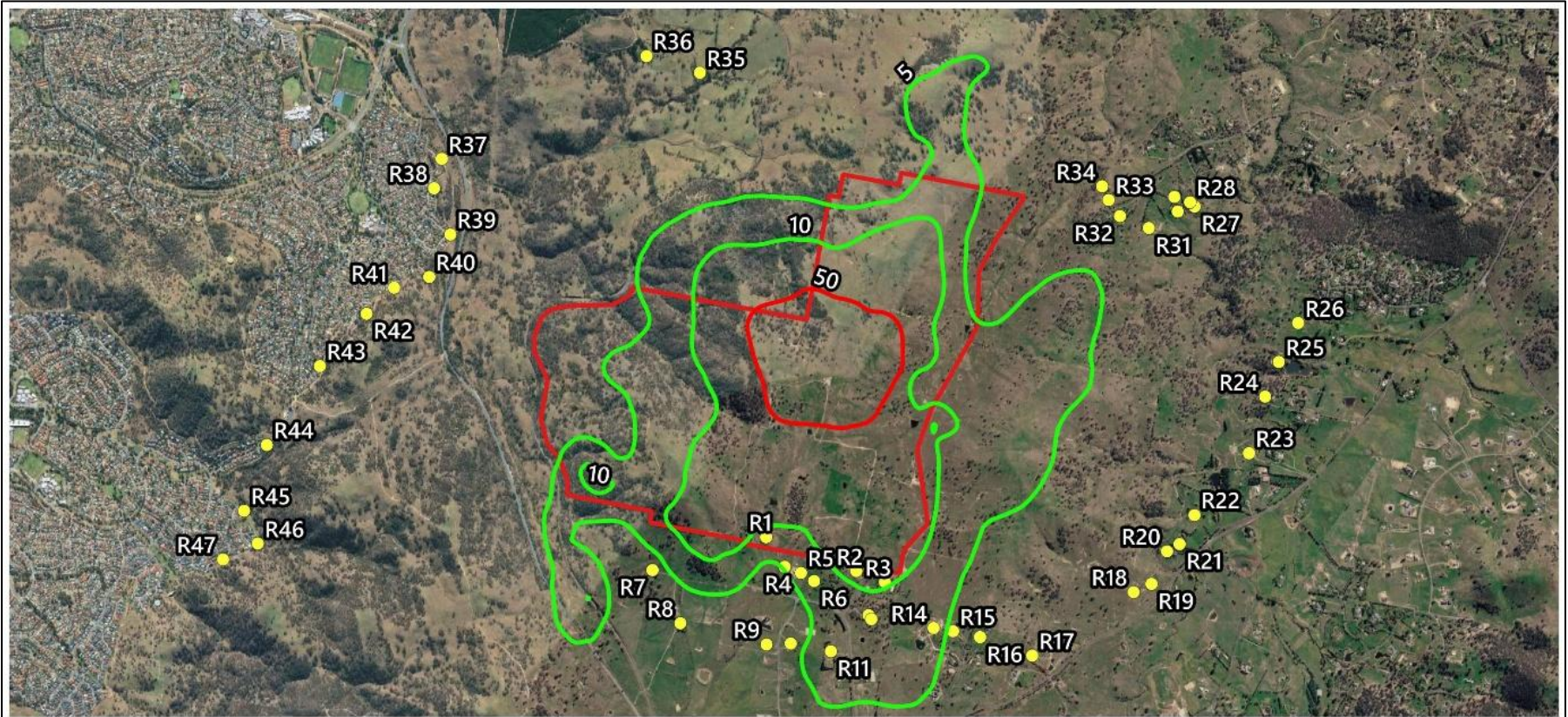
# Final Landform



# Need for the Project

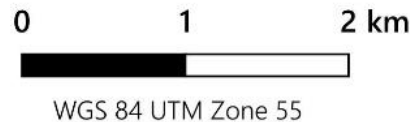


# Air Quality Impact Assessment

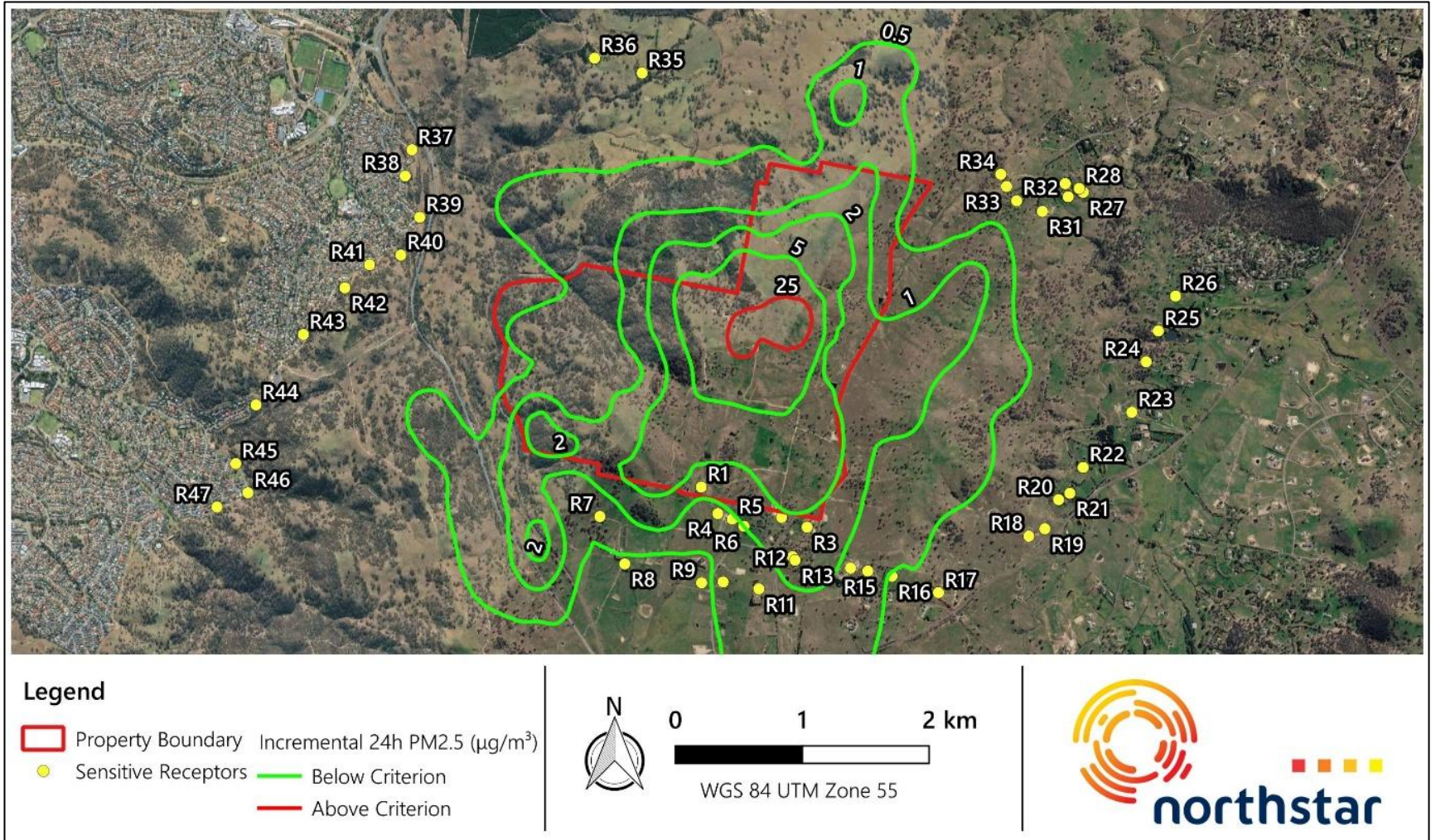


## Legend

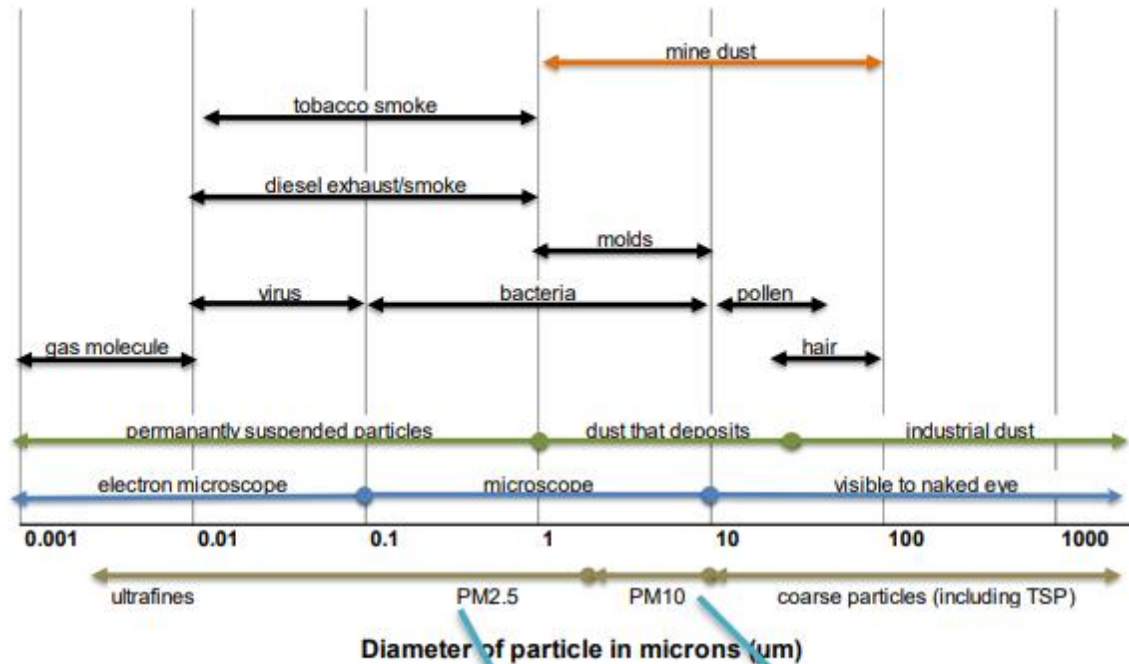
- Property Boundary
- Sensitive Receptors
- Below Criterion
- Above Criterion
- Incremental 24h PM<sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )



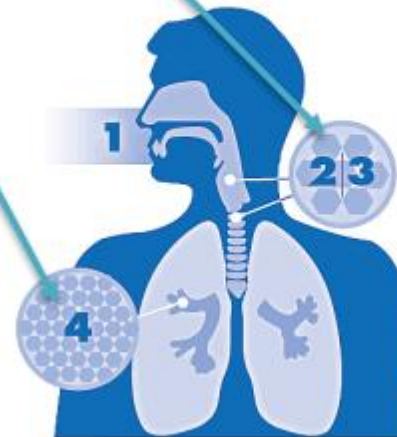
# Air Quality Impact Assessment



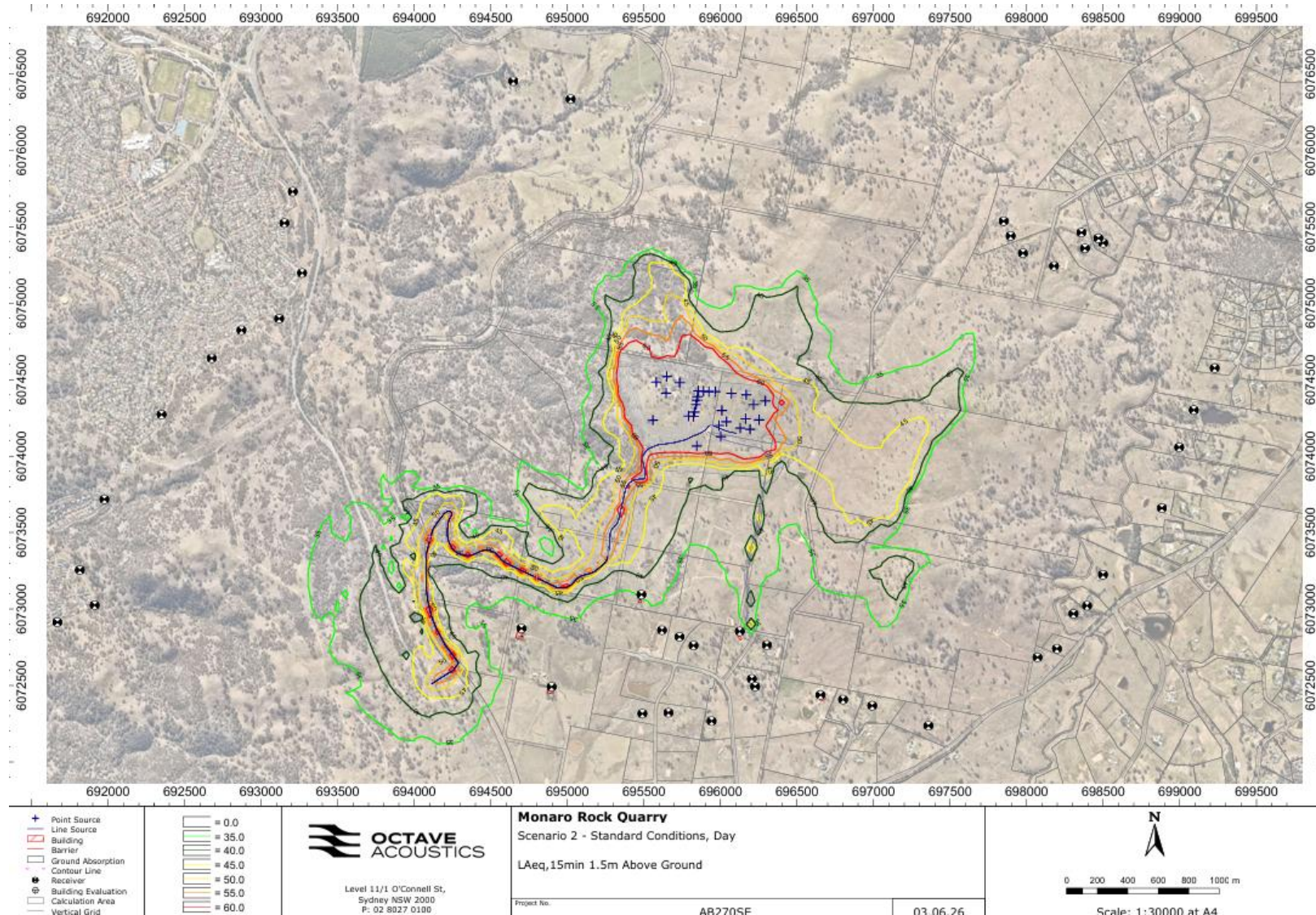
# Human Health Risk Assessment



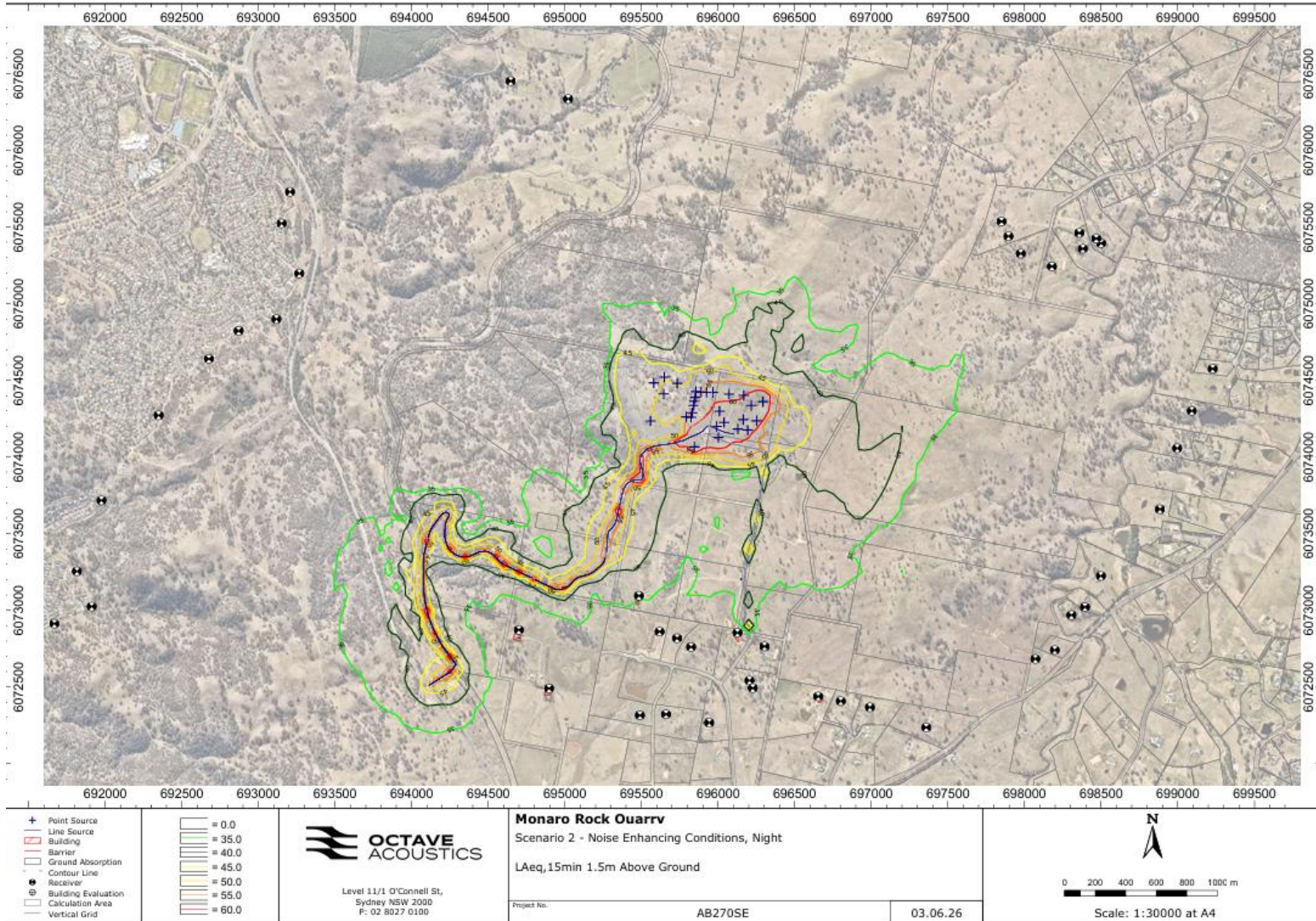
- 1** Particulate matter enters our respiratory (lung) system through the nose and throat.
- 2/3** The larger particulate matter (PM<sub>10</sub>) is eliminated from the respiratory system through coughing, sneezing and swallowing.
- 4** PM<sub>2.5</sub> can penetrate deep into the lungs. It can travel all the way to the alveoli, causing lung and heart problems, and delivering harmful chemicals (where present) to the blood system.

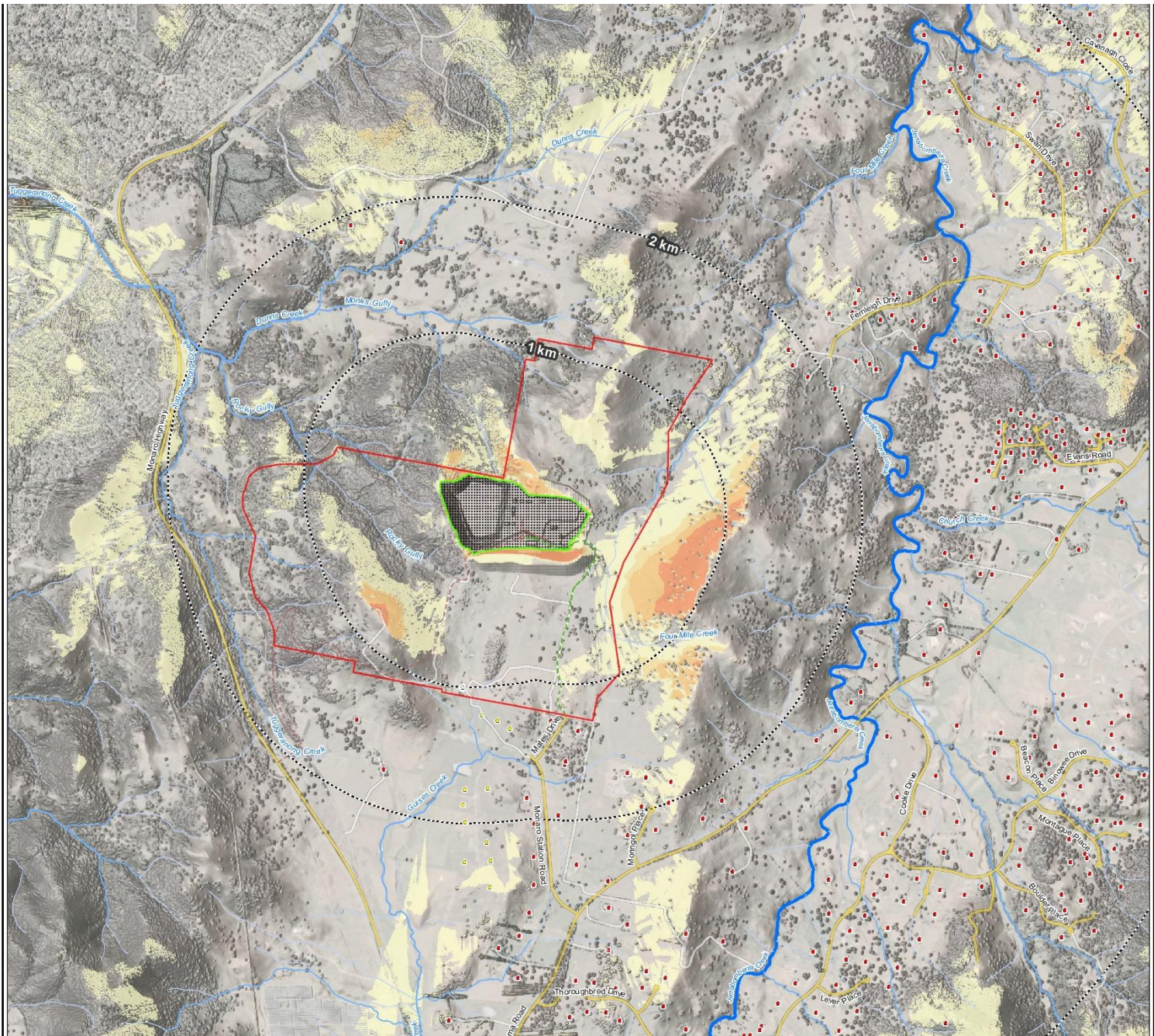


# Noise Assessment

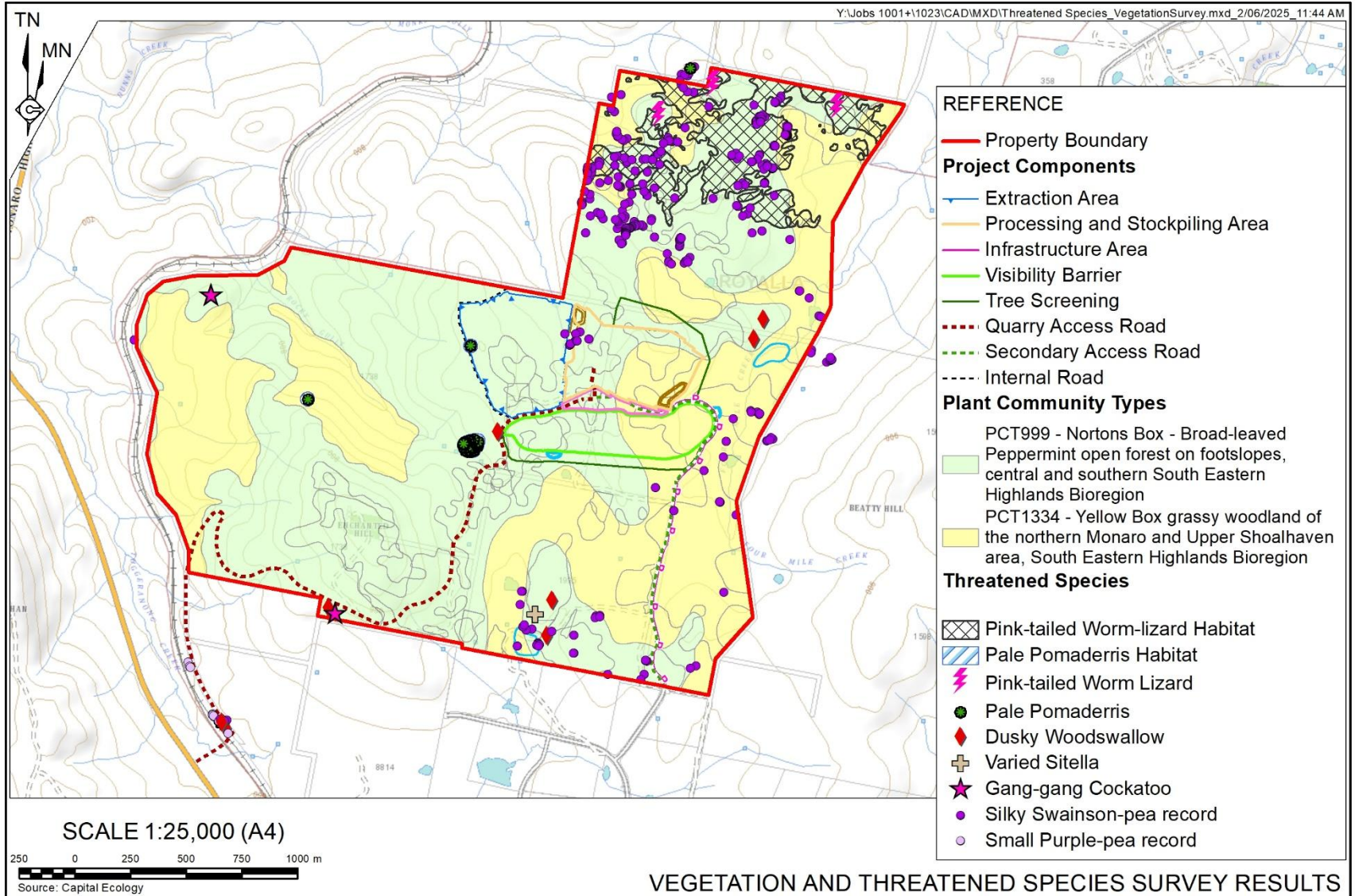


# Noise Assessment





# Biodiversity Assessment



# Biodiversity Surveys



- ❖ Canberra Spider Orchid was not present.
- ❖ Capital Ecology confidently identified eight microbat species and a further six species were identified as possibly occurring.
- ❖ The records included three bat species that are listed as vulnerable within the NSW Biodiversity Conservation Act 2016 including the following.
  - ❖ Eastern False Pipistrelle (*Falsistrellus tasmaniensis*)
  - ❖ Large Bent-winged Bat (*Miniopterus orianae oceanensis*)
  - ❖ Southern Myotis (*Myotis Macropus*) – possible identification

# Biodiversity Assessment

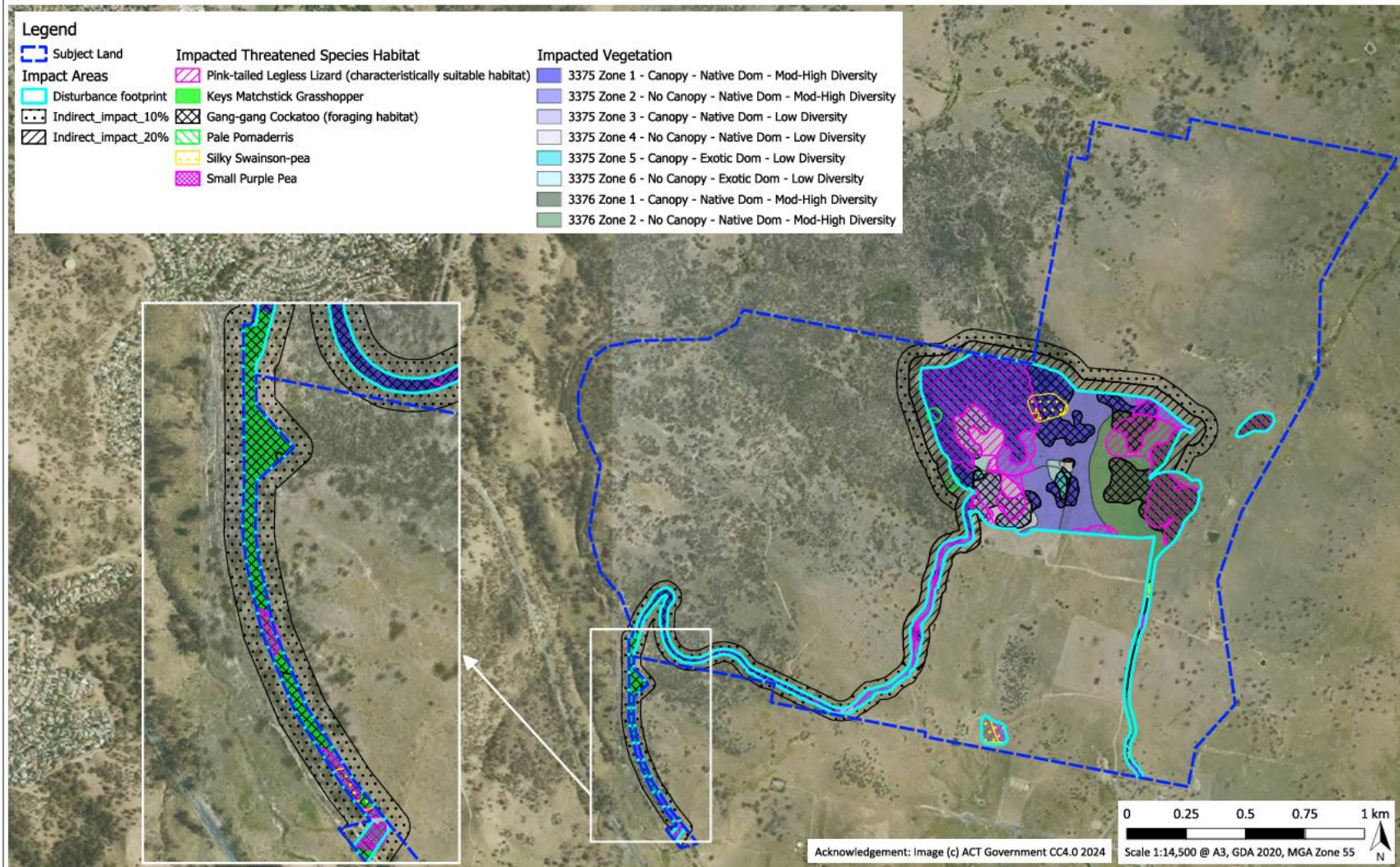


Figure 16. Residual Biodiversity Impacts of the Proposed Development

Capital Ecology Project No: 3289  
Drawn by: S. Reid



# Biodiversity Assessment



| Value                                      | NSW       | ACT     | Total     |
|--------------------------------------------|-----------|---------|-----------|
| <b>Study Area</b>                          | 556.71 ha | 4.61 ha | 561.32 ha |
| <b>Disturbance Footprint</b>               | 78.69 ha  | 3.86 ha | 82.55 ha  |
| <b>Impacts</b>                             |           |         |           |
| <b>Native Vegetation (BC Act + NC Act)</b> | 77.03 ha  | 1.62 ha | 78.65 ha  |
| <b>BC Act + NC Act Box-Gum Woodland</b>    | 22.44 ha  | 1.43 ha | 23.87 ha  |
| <b>EPBC Act Box-Gum Woodland</b>           | 22.44 ha  | 0.67 ha | 23.11 ha  |

# Aboriginal Heritage - NSW



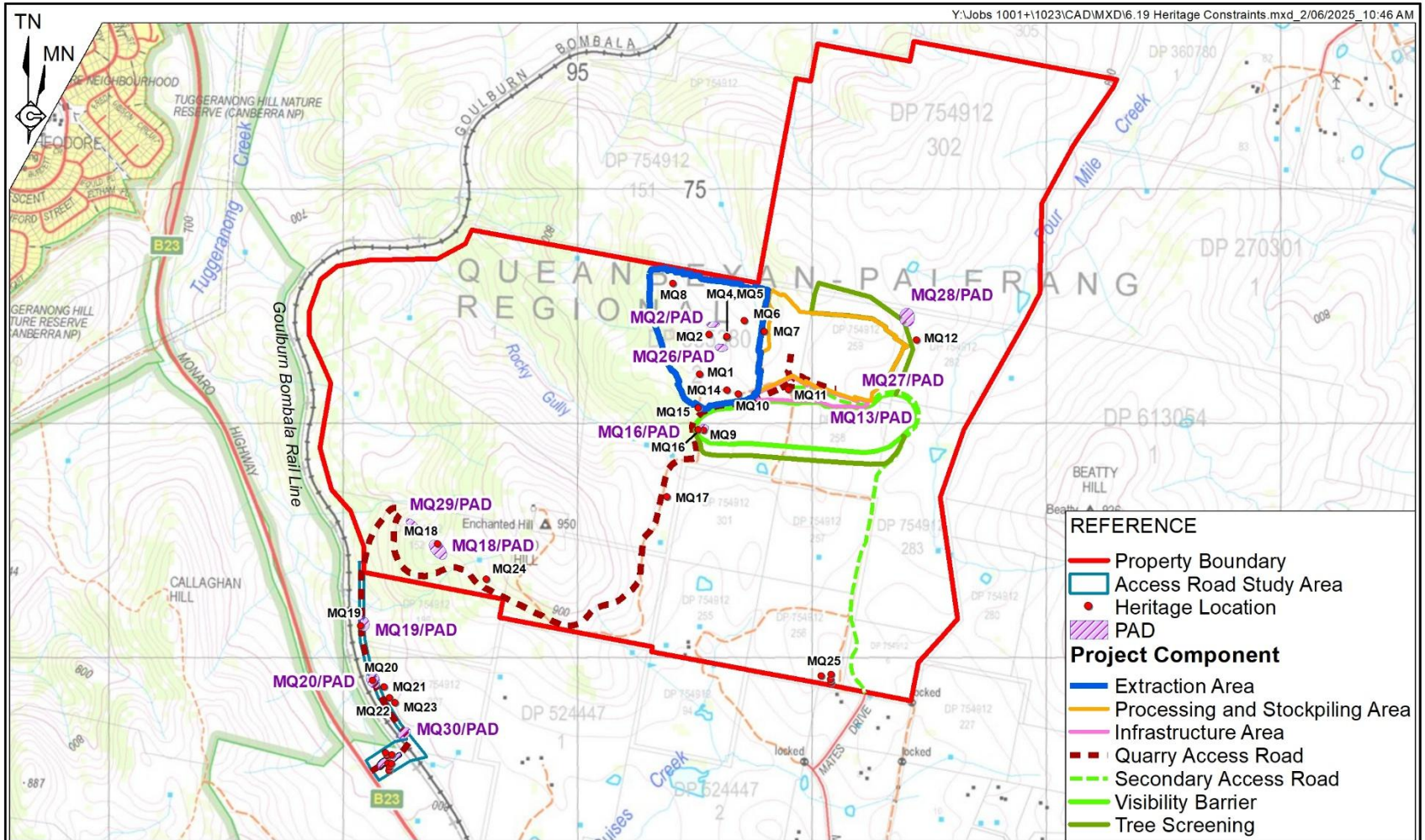
- ❖ Sub-surface testing consisting of 8 PAD locations with numerous subsurface pits at each location (6 - 33)
- ❖ Low density artefactual material was identified at each PAD site (up to 4 in one pit).
- ❖ Lithic scatter and isolated find sites of this type are common in nature
- ❖ Provide regional scale understanding of past land use, technology, and material sourcing.

# Aboriginal Heritage - ACT



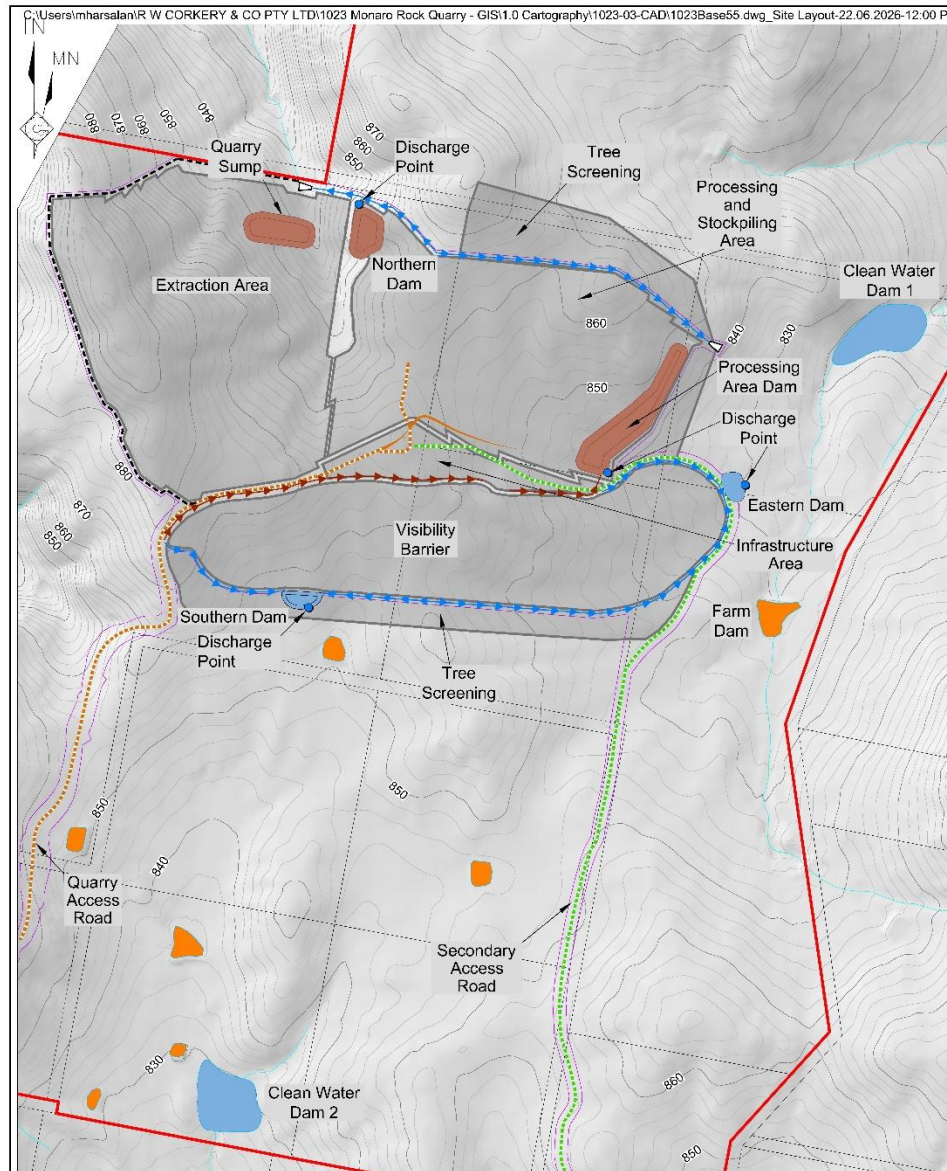
- ❖ Sub-surface testing consisting of a 45 subsurface pits
- ❖ Four Aboriginal heritage sites, one with an associated subsurface deposit (MQ1) and one historical site (MQ7).
- ❖ Two additional Aboriginal heritage sites (MQ2 and MQ6) would not be impacted.
- ❖ Subsurface investigations identified 129 stone artefacts (mostly quartz flakes) and 7 historic heritage artefacts (brick rubble and glass)
- ❖ All sites are consistent with infrequent use of land in the past and hold low significance.





HERITAGE CONSTRAINTS

# Surface Water Management



# Surface Water Management



Y:\Jobs 1001+1023\Cartography\Projects\102301\1023Base55\_v2.dwg\_Schematic-22.08.2025-11:48 AM

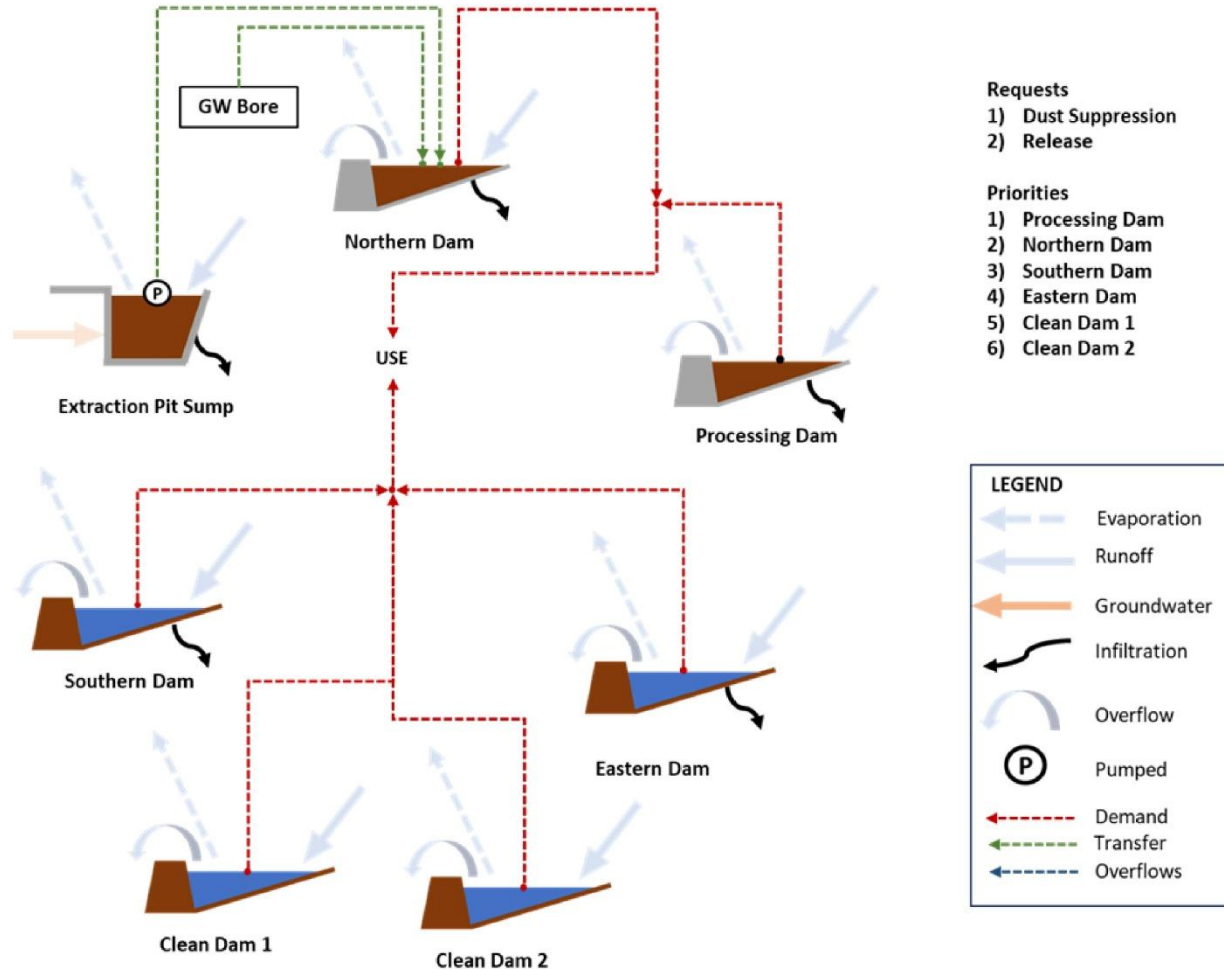
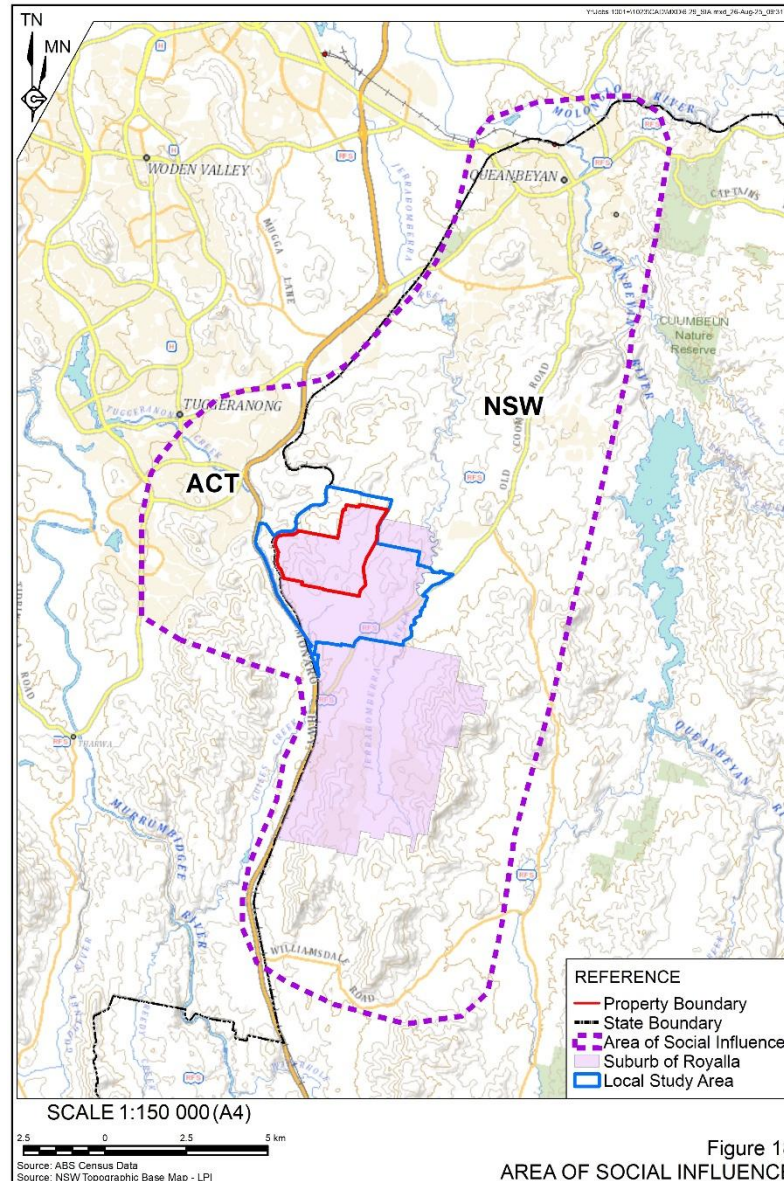


Figure 16  
WATER BALANCE SCHEMATIC

Source: SEEC (2025) - Figure 10



# Social Impact Assessment





# Thank You