

# Environmental Assessment Report

## Gowing Bros Ltd

### Logie Farm Quarry

### Increase in processing and addition of blasting

*Orielton and Richmond*

*April 2026*



ENVIRONMENT PROTECTION AUTHORITY

## Environmental Assessment Report

Proponent	<b>Gowing Bros Ltd</b>
Proposal	Increase in processing capacity and addition of blasting
Location	Logie Farm Quarry, Orielton and Richmond
Class of Assessment	2B
PCE no.	12598 (Sorell Council) and 12599 (Clarence City Council)
Permit Application No.	DA 2025/302 (Sorell Council) PDPLANPMTD 2025/056817 (Clarence City Council)
myDAS Folder No.	25/3520
myDAS Document No.	D26-29874

## Assessment Process Milestones

Date	Milestone
5 November 2025	Permit Application submitted to Clarence City Council
5 November 2025	Permit Application submitted to Sorell Council
7 November 2025	Clarence City Council Application received by the Board
10 November 2025	Sorell Council Application received by the Board
11 November 2025	Guidelines Issued
10 January 2026	Start of public consultation period
9 February 2026	End of public consultation period
1 April 2026	Date draft conditions issued to proponent
27 April 2026	Statutory period for assessment ends

This proposal is defined as a 'level 2 activity' under clauses 5(a) and 6 (a)(ii), Schedule 2 of the *Environmental Management and Pollution Control Act 1994* (EMPCA).

The proposal is to enable blasting at the existing quarry for the continued extraction of dolerite to be used as road base, and to create benching on the quarry wall for safety purposes.

Gowing Bros Ltd is proposing to increase processing capacity from 5,000 m<sup>3</sup> to 15,000 m<sup>3</sup> per annum and conduct up to four blasting campaigns per year located at 440 Prossers Road Richmond and 59 Logie Farm Road Orielton, approximately 4 kilometres (km) northeast of Richmond.

The site straddles two Council boundaries (Sorell Council and Clarence City Council). This report addresses the entire proposal across both municipalities, with a set of identical environmental conditions required for inclusion in permits for each Council.

The assessment by the Board of the Environment Protection Authority (the Board) was commenced by referral from Sorell Council and Clarence City Council under section 25(1) of EMPCA of a planning application under the *Land Use Planning and Approvals Act 1993* (LUPAA).

Determination of the assessment has been undertaken under delegation from the Board.

Note: The Proponent (Gowing Bros Ltd) previously submitted a Notice of Intent on 7 April 2024 proposing the inclusion of blasting to the site of Logie Farm Quarry however after advertising, the

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Proponent requested that the processing limit of 5,000 m<sup>3</sup> be increased to 15,000 m<sup>3</sup>. The Proponent withdrew the initial assessment and resubmitted a new application to both Clarence City and Sorell Councils on 5 November 2025 with the inclusion of the new processing limit and blasting. As the only modification made was to the processing limit, the previous assessment was still relevant to this proposal facilitating an accelerated assessment process.

## Glossary/Acronyms

Term	Detail
AHD-TAS83	Australian Height Datum (Tasmania) 1983
ANFO	Ammonium nitrate/fuel oil
Board	Board of the Environment Protection Authority
CAS	Conservation Assessment Services
Devil Guidelines	Tasmanian Devil Survey Guidelines and Management Advice for Development Proposals
EEA	Explosive Engineering Australia
EER	Environmental Effects Report
EMPCA	<i>Environmental Management and Pollution Control Act 1994</i>
EPBCA	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
LUPAA	<i>Land Use Planning and Approvals Act 1993</i>
MRT	Mineral Resources Tasmania
NOI	Notice of Intent
NRE	Department of Natural Resources and Environment, Tasmania
NVA	Natural Values Assessment
PAF	Potentially Acid Forming
QCP	Quarry Code of Practice (EPA 2017)
RMPS	Resource Management and Planning System of Tasmania
TSPA	<i>Threatened Species Protection Act 1995</i>

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## Table of Contents

1. The Proposal .....	6
2. Project Rationale and Alternatives .....	12
3. Public and Agency Consultation.....	12
4. Evaluation of Key Environmental Issues .....	13
Key Issue 1: Noise emissions and vibration.....	13
5. Other Environmental Issues.....	20
6. Report Conclusions.....	24
7. Report Approval.....	25
8. References.....	26
9. Appendices.....	26
Appendix 1: Summary of public submissions.....	27
Appendix 2: Table of proponent management measures.....	28
Appendix 3: Permit conditions - Environment No. 12598 (Sorell Council) .....	29
Appendix 4: Permit conditions – Environment No. 12599 (Clarence City Council) .....	30

## I. The Proposal

The main characteristics of the proposal are summarised below. A detailed description of the proposal is provided in Part B of the EER.

### Summary of the proposal’s main characteristics

#### Activity

The site is an existing Level 2 dolerite quarry purchased by the proponent, Gowing Bros Ltd in 2022. The existing site has not operated since its purchase, but the proponent intends to recommence operations once blasting has been approved.

As a condition of the transferal of the mining leases, Mineral Resources Tasmania (MRT) required a new mining plan with quarry benching for safety before operations can commence.

The proposal does not involve a production increase from the currently permitted 15,000 m<sup>3</sup> per annum in extraction but is seeking an increase in the permitted processing capacity from 5,000 m<sup>3</sup> to 15,000 m<sup>3</sup> per annum. The proponent is also seeking to conduct up to four blasting campaigns per year. The proposal includes progressive clearing of approximately three (3) hectares of regenerating cleared land south of the existing quarry, within the mining lease. The extraction footprint is similar to that assessed by the Board in 2018.

Extraction will involve intermittent drilling and blasting. The dolerite will then be processed with a crusher and screen, with product material to then be both used by the proponent on the property and sold and transported off site. The EER advises there will be up to 14 truck movements per day depending on whether material is transported by truck only or by truck and dog trailer, accessing the site along Prossers Road.

The proposal also extends the ‘Activity Area’ to the north of the mining lease to include part of 440 Prossers Road, to capture sediment control infrastructure beyond the extractive footprint. The Activity Area straddles a municipal boundary between Sorell and Clarence City Council areas, across two property titles (Appendices 3 and 4). Therefore the assessment will result in two sets of permit conditions, one for each Council permit issued.

#### Location and planning context

<b>Location</b>	440 Prossers Rd and 59 Logie Farm Rd as shown in Figure 1.
<b>Land zoning</b>	Rural
<b>Land tenure</b>	Freehold
<b>Mining leases</b>	1722P/M and 2044P/M
<b>Lease area</b>	5 hectares for 1722P/M and 6 hectares for 2044P/M for a total of 11 hectares.
<b>Bond</b>	Bond currently held by MRT: 1722 P/M - \$10,000 2044 P/M - \$20,000

#### Activity site

<b>Land Use</b>	Quarrying operations have occurred in the past by Toronto Pastoral Co Ltd., with no quarrying since purchase by Gowing Bros Ltd in 2022.
<b>Topography</b>	Quarry base established at 85 AHD-TAS83 and top of quarry extends south at 150 AHD-TAS83
<b>Geology</b>	Shallow glaciomarine and fluvial sedimentary rocks intruded by Jurassic dolerite.
<b>Soils</b>	Black and brown soils on dolerite.

	The likelihood of acid and metalliferous drainage is low as dolerite has alkaline properties.
<b>Hydrology</b>	The Coal River is approximately 3.2 km to the west of the Activity Area. There are two sediment retention basins into which water from the disturbed quarry site is directed, which then discharge into a drainage line running north-south adjacent to the quarry; the drainage line then flows to the north.
<b>Natural Values</b>	<p>No flora or fauna species listed as threatened under the <i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i> (EPBCA) or the <i>Tasmanian Threatened Species Protection Act 1995</i> (TSPA) were detected within the Activity Area or are known from database information.</p> <p>The quarry site provides suitable habitat (to varying degrees) for the following threatened species:</p> <ul style="list-style-type: none"> <li>• <i>Sarcophilus harrisii</i> (Tasmanian devil);</li> <li>• <i>Dasyurus maculatus subsp. maculatus</i> (spotted-tailed quoll);</li> <li>• <i>Dasyurus viverrinus</i> (eastern quoll);</li> <li>• <i>Perameles gunnii</i> (eastern barred bandicoot);</li> <li>• <i>Aquila audax subsp. fleayi</i> (wedge-tailed eagle); and</li> <li>• <i>Tyto novaehollandiae subsp. castanops</i> (masked owl).</li> </ul> <p>Four plant species classified as declared weeds pursuant to the <i>Tasmanian Biosecurity Act 2019</i> (<i>Biosecurity Regulations 2022</i>) were recorded from the Activity Area:</p> <ul style="list-style-type: none"> <li>• <i>Foeniculum vulgare</i> (fennel)</li> <li>• <i>Lycium ferocissimum</i> (African boxthorn)</li> <li>• <i>Marrubium vulgare</i> (white horehound)</li> <li>• <i>Nassella trichotoma</i> (serrated tussock)</li> </ul> <p>Additional non declared weed species are also present onsite.</p> <p>There are no nearby mapped geoconservation values.</p> <p>No native vegetation removal is proposed for the expansion of the quarry footprint.</p>

### Location region

<b>Climate</b>	<p>Annual mean rainfall is 479.3mm</p> <p>Mean maximum temperature: 18.7°C</p> <p>Mean minimum temperature: 7.3°C</p> <p>Predominant wind direction is north-westerly</p>
<b>Surrounding land zoning, tenure and uses</b>	The area directly to the north of the Activity Area is zoned Agricultural while the land bordering the west, south and east is zoned Rural. All properties and surrounds are Private Freehold, generally agricultural in use, with some residences located within 1km to the northeast. A camping ground to be located to the northwest has also recently been approved by Clarence City Council (see Figure 5).

### Proposed infrastructure

<b>Major equipment</b>	<ul style="list-style-type: none"> <li>- Excavator; Hitachi Zaxis 200-3LC 164 Hp</li> <li>- Crusher; Powerscreen Metrotrack 169 Hp</li> <li>- Power screen; Portifill 5000CT 53 Hp</li> <li>- Wheel loader; Komatsu WA250-5 135 Hp</li> <li>- Trucks; Various</li> </ul>
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	<ul style="list-style-type: none"> <li>- Dog trailer (if viable)</li> <li>- Water cart hired as required.</li> </ul>
<b>Other infrastructure</b>	Mobile site office and access road.

### Inputs

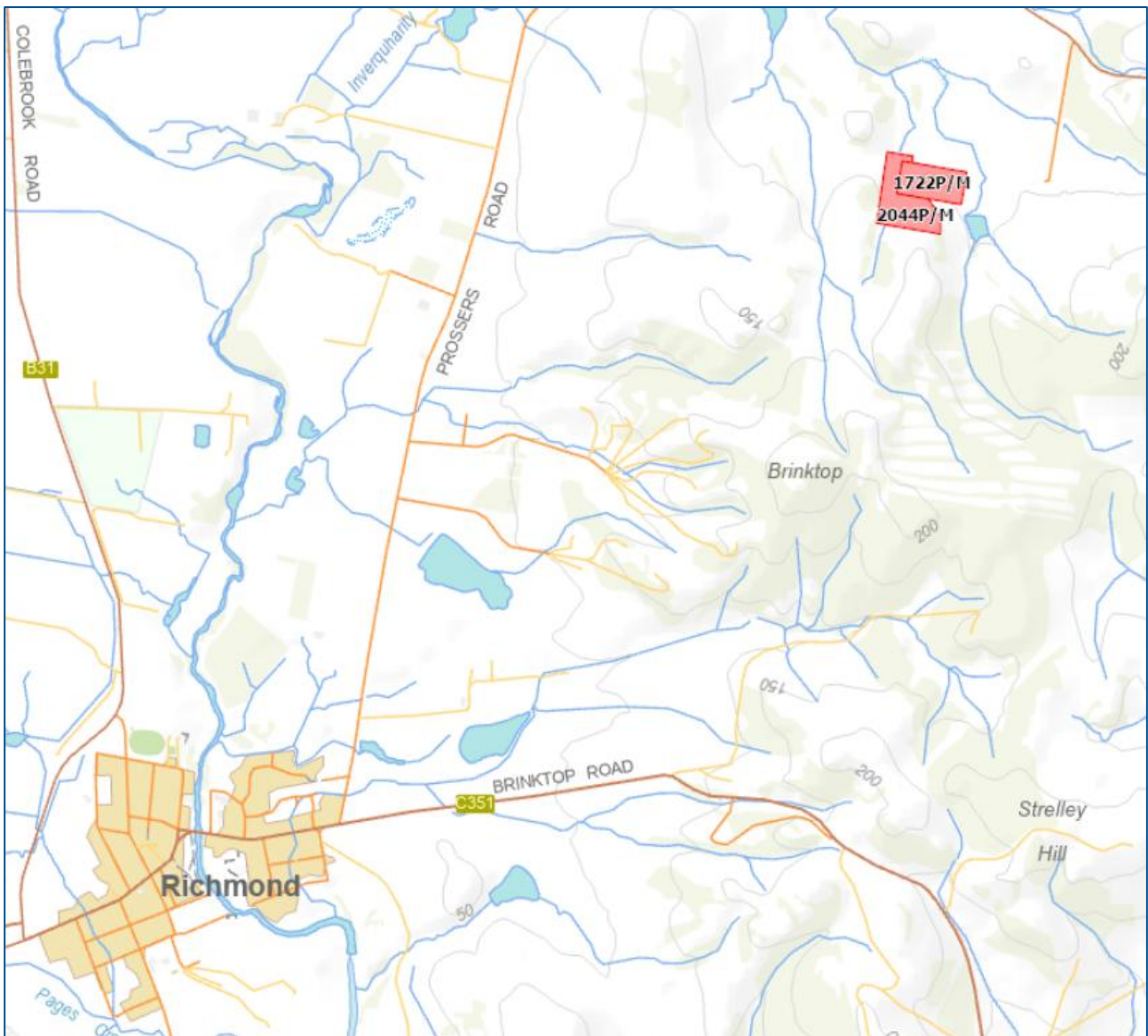
<b>Water</b>	Water for dust suppression measures will be taken from the onsite sediment ponds or a hired water cart.
<b>Energy</b>	Mobile fuel will be used to operate mobile machinery on site.

### Wastes and emissions

<b>Liquid</b>	Stormwater runoff from extraction and stockpile areas.
<b>Atmospheric</b>	Dust from internal and external traffic, and blow-off from stockpiles and blasting campaigns (maximum of 4 per year).
<b>Solid</b>	General refuse including food scraps, paper and packaging. General inert wastes such as metal waste to be collected periodically.
<b>Controlled wastes</b>	Waste engine oil; contaminated soil. Portable chemical toilet to be used when operations are being undertaken will generate sanitary waste.
<b>Noise</b>	From campaign blasting, drilling, screening equipment, excavator, crusher, and vehicles going to and from the site.
<b>Greenhouse gases</b>	Greenhouse gases will be emitted through the operation of mobile machinery, trucks and associated activities requiring fossil fuels. Greenhouse gas emissions also arise from blasting.

### Operations

<b>Proposal timetable</b>	Commencement of operations within 1 month of approvals. Blasting campaigns to be determined.
<b>Operating hours (ongoing)</b>	0700 to 1700 hours Monday to Friday 0800 to 1200 hours Saturday



**Figure 1: Logie Farm Quarry Mining Leases (1722P/M and 2044P/M), shown to the northwest of Richmond, at 440 Prossers Road and 59 Logie Road from [www.theLIST.tas.gov.au](http://www.theLIST.tas.gov.au) ©State of Tasmania.**

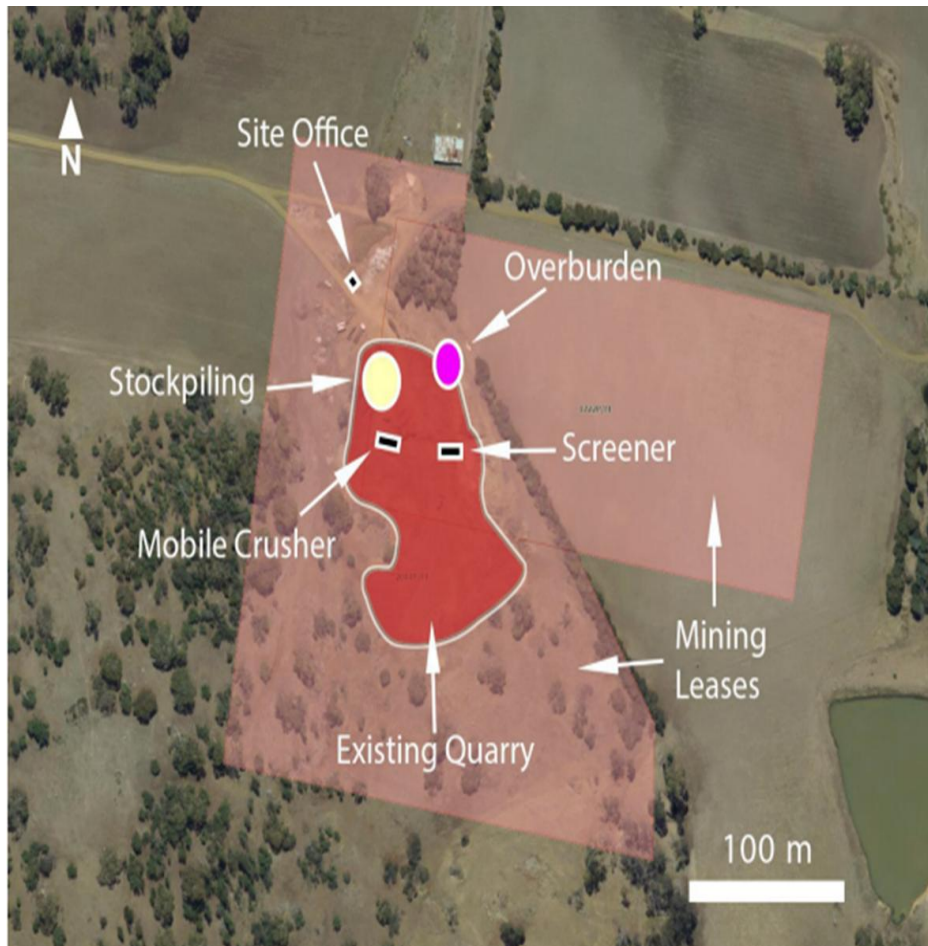


Figure 2: Site plan (Figure 5.1 of the EER).

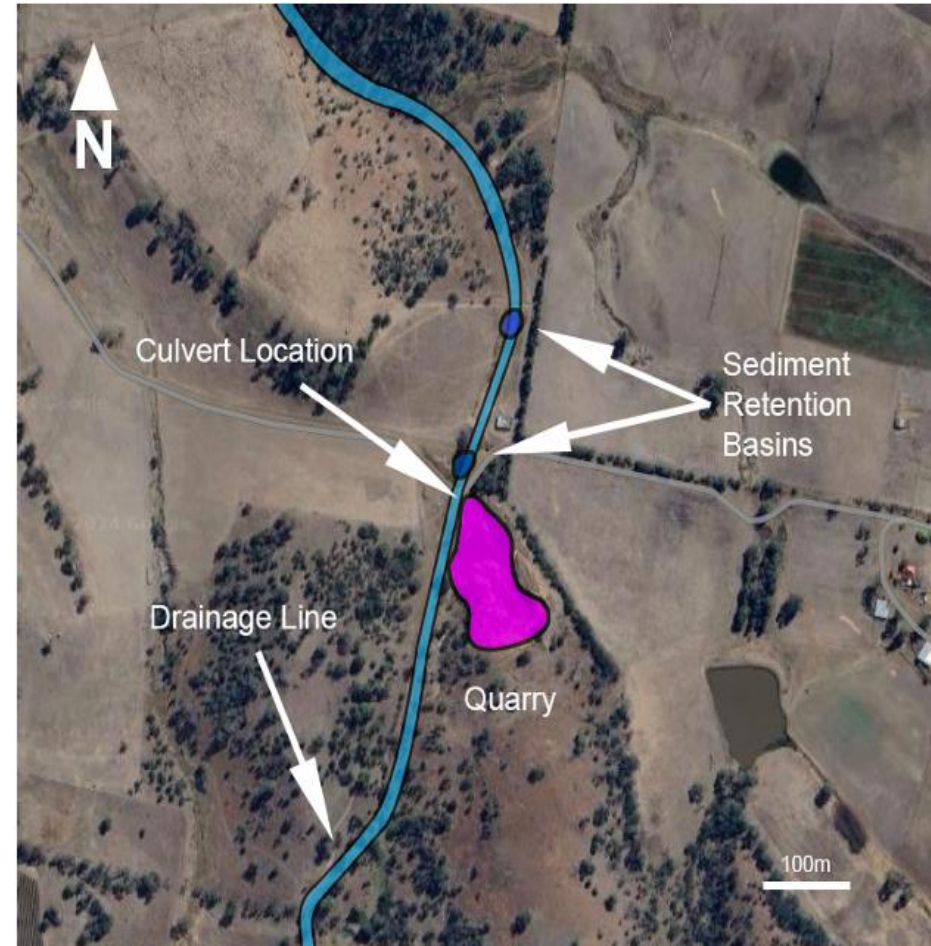


Figure 3: Watercourse in light blue, sediment ponds in dark blue (Figure 6 of the EER)



Figure 4: Extraction and rehabilitation plan (Figure 5.2 of the EER).

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## 2. Project Rationale and Alternatives

According to the EER, the rationale for the proposed blasting is to access the dolerite. Blasting is required to break up the dolerite, as it is too impenetrable to break up with a crusher. Blasting will also assist in benching the quarry.

Section 3 of the EER states that the only alternative to blasting is to return the mining lease and cease operations as using machinery to break up the dolerite would be too costly in machinery wear and tear, time taken, and fuel costs.

## 3. Public and Agency Consultation

Two public submissions were received during the public consultation period. One Representor was supportive of the proposal and outlined the opportunity for enhanced restoration. The other Representor raised concerns including wildlife impacts, community impacts such as noise emissions, lifestyle and aesthetics and felt there was a lack of public consultation on the project.

Advice was received from the following agencies with an interest in the proposal:

- Mineral Resources Tasmania, Department of State Growth
- Conservation Assessments, Department of Natural Resources and Environment
- Clarence City Council
- Sorell Council

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## 4. Evaluation of Key Environmental Issues

Noise emissions and vibration impacts were identified for detailed evaluation and are discussed in the following subsection of this report.

### Key Issue 1: Noise emissions and vibration

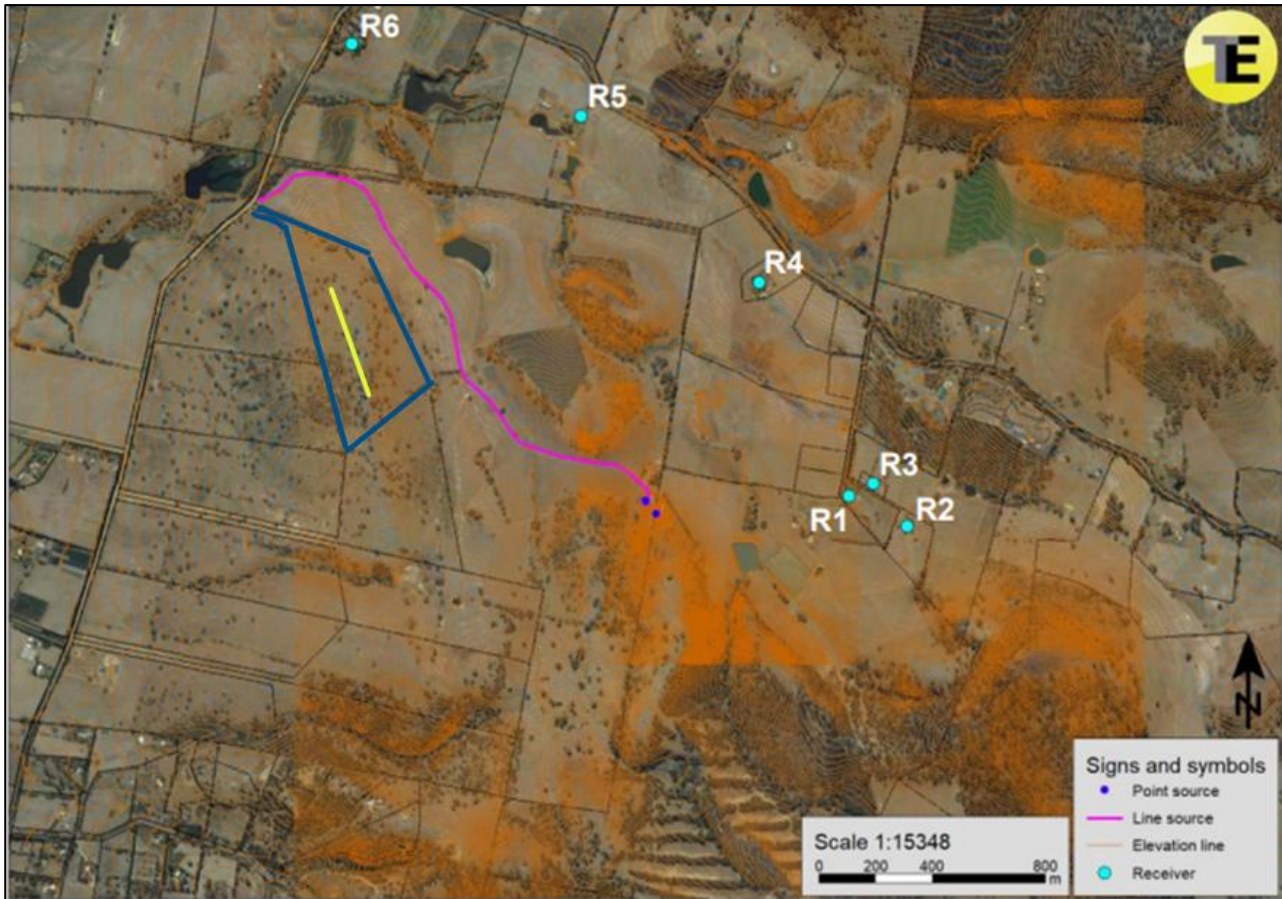
#### 4.1.1 Potential impacts

Recommencement of operations with higher levels of materials handling will increase the length of time that noise emissions are generated, and the introduction of blasting introduces potential vibration emissions.

The EER proposes operating hours of 0700 – 1700 Monday to Friday and 0800 – 1200 on Saturdays. This is a slight reduction from the previous approved operating hours of 0700 – 1800 Monday to Friday and 0800 – 1200 Saturday.

There are several residences located within a 1 km radius of noise sources at Logie Farm Quarry (Figure 5 and Table 1). Logie Farmhouse, located 500 m to the east of the quarry, is on the same property title as the quarry, and so not considered a noise sensitive premises for the purpose of the assessment.

The original proposal submitted by Gowing Bros Ltd was for blasting only, however Gowing Bros Ltd withdrew their proposal and resubmitted a new proposal requesting blasting and an increase in production limits. During the assessment stage and after advertising, Clarence City Council sought advice from the Director regarding a planning application (DA 2025/053284) for the partial change of use to visitor accommodation (Camping and Caravan) at 426 Prossers Road, Richmond approximately 770m to the northwest of the quarry mining lease boundary (Figure 5). Additional noise modelling to include the planning application for the Caravan and Camping accommodation was not required as it is located within the 1,000m attenuation distance already modelled for sensitive receivers R1 to R5 (Table 1). The EPA were notified on 20 April 2026 that Clarence City Council approved the Caravan and Camping accommodation planning permit in October 2025.



**Figure 5: Model plan view showing surrounding receiver locations (Figure I3 of the EER) (Quarry location marked by 2 small dark blue dots, access road is pink line, proposed camping area depicted by yellow line)**

**Table I: Receiver distance from Activity Area boundary (taken from EER Table I)**

Location	Address	Approximate distance from the Activity Area (m)
R1	57 Logie Farm Rd, Orielton	684
R2	53 Logie Farm Rd, Orielton	890
R3	51 Logie Farm Rd, Orielton	800
R4	500 Fingerpost Rd, Campania	858
R5	428 Fingerpost Rd, Campania	962
R6	472 Prossers Rd, Richmond	1,225

Noise modelling was undertaken for the proposal to inform the Environmental Noise Assessment (EER Appendix 7 and EER Section 3) and the results of ground vibration modelling from the proposed blasting is provided in Appendix 2 of the EER. Explosives drilling was not considered in the noise modelling (see evaluation in Section 4.1.4 below).

Table 2 identifies noise sources from the activity based on power spectra provided by the consultant. Equipment noise source locations are identified in Figure 6.

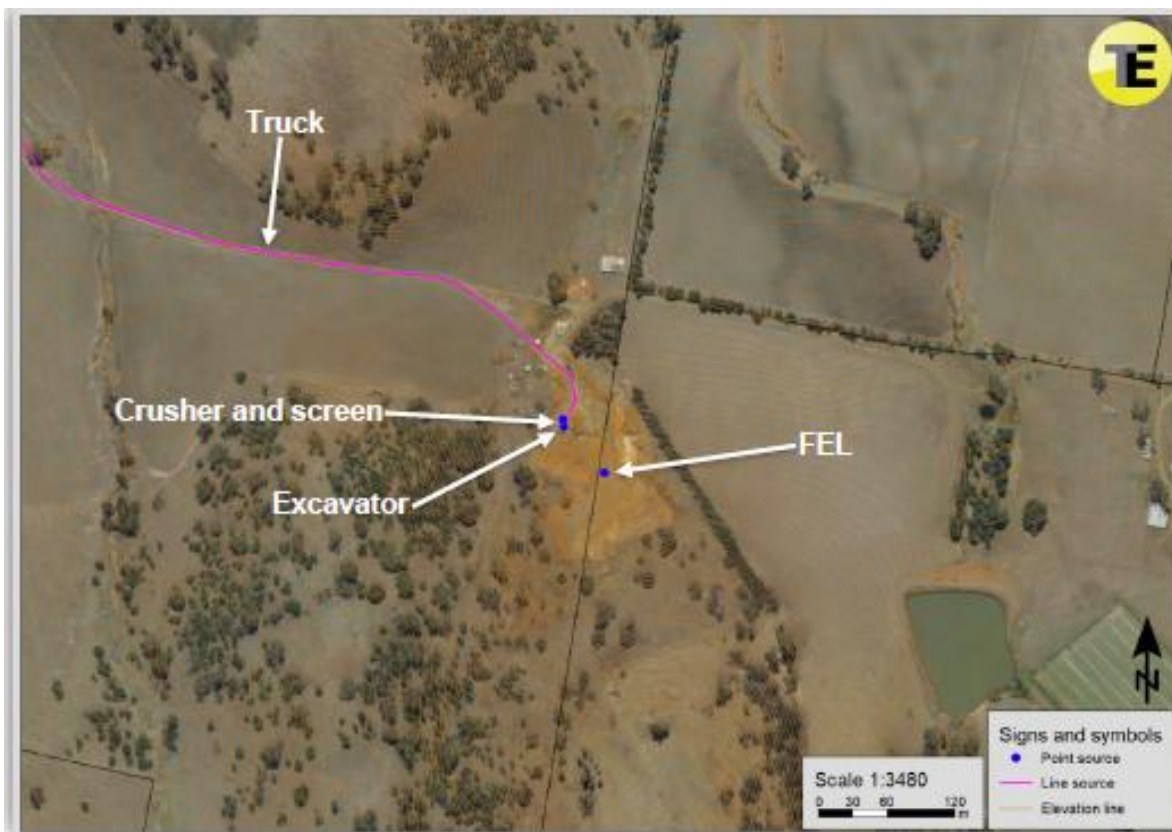
**Table 2: 1/1-octave band spectra (Table 3.2 EER Appendix 7)**

Source	Frequency (Hz)									Overall
	31.5	63	125	250	500	1k	2k	4k	8k	
Crusher and screen	64	84	99	106	113	110	107	103	94	<b>116</b>
Excavator	64	72	85	86	93	92	92	86	78	<b>98</b>
Front End Loader (FEL)	58	73	92	100	93	96	96	92	85	<b>104</b>
Truck	67	79	88	89	95	97	100	95	86	<b>104</b>

Modelling assumed all equipment (crusher and screen, excavator, loader and truck) operating for two scenarios:

- ISO, which references the internationally accepted engineering method for calculating outdoor noise attenuation under downward propagating favourable wind conditions;
- and CONCAWE which predicts worst case weather (wcw) using a wind speed of 2 metres/second and Pasquill stability Class F with the receivers downwind from each source.

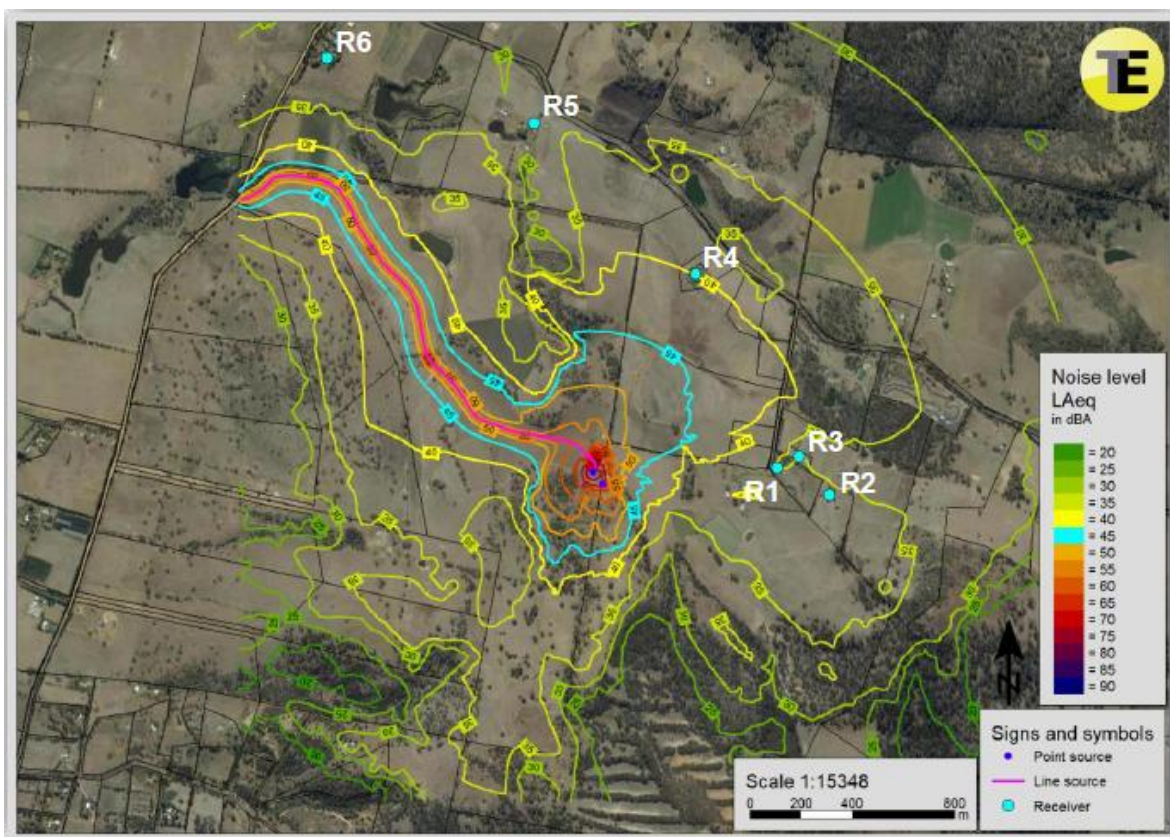
Table 3 and Figures 7 and 8 present the modelling results. The results show that noise levels at all identified sensitive receptors for these two scenarios were below the recommended limit of 45 dB(A) specified in the QCP for daytime operations. The modelling results indicate higher noise emissions at sensitive receivers R1, R2, R3 and R5 under ISO conditions, however the highest noise levels were predicted at R4 (43dBA) under the CONCAWE scenario. The noise assessment concludes that noise emissions from the quarry (particularly the crusher and screen) at R1, R2 and R3 are attenuated by the quarry topography and that maintaining this is critical to managing impact. At R4 the dominant noise sources are the crusher and screen, whereas trucks are the dominant noise source at R5 and R6.



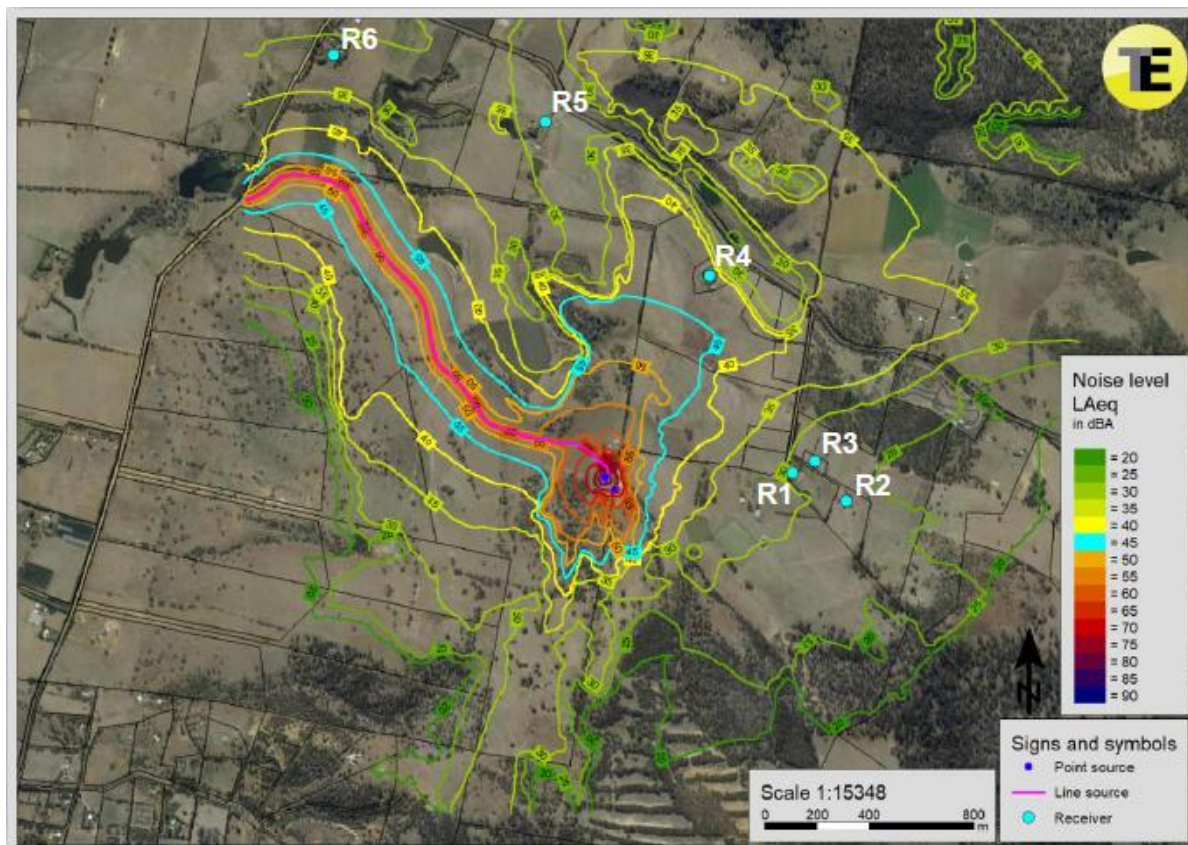
**Figure 6: Location of noise sources within quarry footprint (Figure 3.2 EER Appendix 7)**

**Table 3: Predicted noise emission levels under the two model algorithms used at residences for listed machinery (Table 3 of the EER).**

Location	Predicted	
	ISO	wcw
R1	37	29
R2	37	28
R3	36	28
R4	40	43
R5	34	28
R6	32	32



**Figure 7: Predicted noise contours, ISO (Figure 4.1 EER Appendix 7) (turquoise contour QCP 45dBA limit)**



**Figure 8: Predicted noise contours, wcw (Figure 4.2 EER Appendix 7) (turquoise contour QCP 45dBA limit)**

The QCP specifies that acceptable blasting vibration must be below the limit of 5 mm/s Peak Particle Velocity (PPV) for ground vibration and blast overpressure must be below 115 dB at the nearest sensitive receptors. The results of the Ground Vibration Modelling provided in the EER (Appendix 2) are shown in Tables 4 and 5 and demonstrate blasting vibration and over pressure will comply at the nearest sensitive receptors.

**Table 4: Blasting Vibration (PPV) and Overpressure to 1000 metres from Quarry (Table 4 of EER).**

Distance from blast (meters)	Peak Particle Velocity (mm/sec)	Overpressure (dB) Ka = 10	Overpressure (dB) Ka = 100
100	10.08	99.56	119.56
200	3.33	90.83	110.83
300	1.74	85.71	105.71
400	1.09	82.11	102.09
500	0.77	78.09	98.09
600	0.57	76.99	96.99
700	0.45	75.05	95.05
800	0.36	73.34	93.37
900	0.30	71.88	91.88
1000	0.25	70.56	90.56

**Table 5: Blasting Vibration (PPV) and Overpressure to dwellings (Table 5 of the EER).**

Address	Distance (m)	PPV (mm/sec)	Overpressure (dB) Ka = 10	Overpressure (dB) Ka = 100
Logie Farm House	500	0.77	79.29	99.29
54 Logie Farm Road	545	0.67	78.20	98.20
60 Logie Farm Road	580	0.61	77.42	97.24
57 Logie Farm Road	684	0.47	75.34	95.34
51 Logie Farm Road	800	0.36	73.37	93.37
500 Finger Post Road	858	0.32	72.48	92.48
53 Logie Farm Road	890	0.31	72.02	92.02
43 Logie Farm Road	930	0.28	71.47	91.47
560 Finger Post Road	969	0.27	70.95	90.95

#### 4.1.2 Management measures

The following specific management measures in relation to noise and blasting are proposed in the EER:

- Activities to be conducted during approved operating hours.
- Vegetation to the east of the quarry to be maintained as a screen.
- All noise to be managed to within acceptable limits.
- Neighbours to be notified in advance of blasting campaigns.
- Blasting campaigns to be conducted during daytime operating hours and restricted to 4 blasts per year.
- Blasting to be undertaken by qualified blasting contractor and each blast will be designed to stay within thresholds specified in AS 2187.2-2012.
- Property entrances closed to prevent unauthorised entry.
- Drilling will not be conducted at the same time as other extractive/processing operations.
- Signage to be erected on public roads leading into the property during blasting campaigns.
- Ensuring blasts are appropriately managed to minimise fly rock.

#### 4.1.3 Public and agency comment and responses

One public comment was received during the public consultation period in relation to noise emissions. The submission raised concerns with noise pollution from the machinery, trucks and blasting.

#### 4.1.4 Evaluation

##### Attenuation Code and conflict of use

Because the quarry operation was previously approved for crushing, the Attenuation Code currently applies to a distance of 750 m from the mining lease boundary, when operating as a Level 1 or 2 activity. The proposal to undertake blasting will result in this distance extending to 1,000 m under the Tasmanian Planning Scheme (TPS). These distances are consistent with those recommended in the QCP for minimising nuisance or harm from quarry activities. The application of the Attenuation Code results in requirements for future planning applications to consider the potential for conflict of use for sensitive receivers. This required the assessment of the proposed Caravan and Camping Ground to consider noise impacts from the quarry operation. The Code does not prevent sensitive use, but requires additional consideration of potential impact from existing emission-producing activities.

##### Noise and vibration emissions

The Quarry Code of Practice specifies acceptable blasting vibration must be below the required limit of 5 mm/s Peak Particle Velocity (PPV) for ground vibration and blast Overpressure must be below 115 dB.

The EPA Noise Specialist advises that predictive modelling for the proposal indicates acceptable noise and blast limits, as defined in the QCP, will not be exceeded at the adjoining boundary at 426 Prossers Road (Camping Ground boundary) or at the boundary of any other noise sensitive premises within a 1 km range. Nevertheless, it is considered likely that vibration and over-pressure from the blasting at the quarry may be noticeable to occupants within the area from time to time.

Considering the proximity of residences, it is considered appropriate to impose standard Condition **B1** specifying permissible blasting times (10am – 4pm, Monday – Friday) and prohibiting blasting on weekends or public holidays without prior approval from the Director. Condition **B2** specifies no more than four blasts may occur in the Activity Area per year, as per the proposal, unless otherwise approved by the Director. Condition **B3** specifies blasting noise and vibration limits in accordance with the QCP. The risk of impact from blast overpressure and ground vibration is considered low given the modelling indicates the QCP limits can be met. Condition **B4** requires blasting notification to all residences within a 1 km radius of the activity at least 24 hours before each blast, and condition **B5** requires monitoring to be undertaken for each blast that occurs within the Activity Area.

It is noted that the proposed reduced operating hours are shorter than those recommended in the QCP for extractive activities thus reducing potential disturbance from the quarrying activities. Operating hours are specified by condition **OPI**.

Condition **N1** specifies noise emission limits of 45 dB(A) between 0700 and 1700 hours Monday to Friday and 0800 and 1200 hours on Saturdays. Condition **N2** requires a noise survey during the first drilling campaign (**N2(1.1)**), within 90 days for normal operations (**N2(1.2)**), within 6 months of any change to the activity (**N2(1.3)**), and as required by the Director (**N2(1.4)**). This will verify predicted noise emissions as presented in the EER and demonstrate operational noise is within the specified noise emission limits.

While blast drilling noise was not included in the noise modelling, the EPA Noise Specialist advises that, although drilling would increase noise emissions slightly, they should still be within the acceptable daytime limits of the QCP of 45 dB(A) at the closest sensitive receptor R4. Modelling showed R4 would experience the highest noise emissions from the proposal at 40 dB(A) in ISO conditions and 43 dB(A) in CONCAWE scenario. Condition **N3** requires that drilling activities must not be conducted simultaneously with normal operation unless approved by the Director. Should there be an operational requirement to undertake these activities simultaneously, a case could be put to the Director subject to the results of surveys required by **N3(2)**.

Noise survey method and reporting requirements are specified under Condition **N4**. **N4(4)** requires a noise survey report to be provided to the Director within 30 days. Condition **N5** requires the proponent to report any noise complaints to the Director within 24 hours of being received.

#### 4.1.5 Conditions

The proponent will be required to comply with the following conditions:

- B1** Blasting times
- B2** Blasting
- B3** Blasting noise and vibration limits
- B4** Notification of blasting
- B5** Blast monitoring
- OPI** Operating hours
- N1** Noise emission limits
- N2** Noise survey requirements
- N3** Noise management
- N4** Noise survey method and reporting
- N5** Noise complaint

## 5. Other Environmental Issues

In addition to the key issues, the following environmental issues are considered relevant to the proposal:

- Air quality
- Water quality
- Natural values
- Weeds pests and pathogens
- Waste management
- Environmentally hazardous substances
- Decommissioning and rehabilitation

The potential impacts of these issues, including relevant concerns raised during public consultation, were assessed during the impact assessment process using the information provided in the EER and Appendices. The potential environmental issues are considered to be limited in complexity and present a low risk of environmental harm or nuisance. Compliance with the conditions presented below will ensure that the potential environmental impacts of the activity are managed effectively to meet EMPCA objectives.

The existing standard conditions to manage air quality are considered adequate and have been retained with updates to align with current best practice. An additional condition requiring the control of blast fume has also been included. The management measures proposed in the EER, relating to covering of product loads and deployment of a water cart to dampen roads on worst case weather condition days, are supported. Standards conditions and management measures outlined address the concerns of one Representor regarding dust emissions.

The proponent has proposed upgrades to this infrastructure including increasing the capacity of the sediment ponds, to cater for the increases to the disturbed area and subsequent additional stormwater flows to be treated (Figure 3). Due to a number of dams in this catchment, the Water Section advises it is very unlikely that any sediment in a discharge from the sediment ponds would report to the Coal River. Concerns raised by one representor regarding management of the potential impact to water quality is currently addressed by the proponent through the use of two sediment ponds on site.

No listed threatened species were located on site and quarry operations are limited to daytime (shorter hours than that outlined in the QCP) which will limit roadkill risk to species, such as carnivorous feeders including the Tasmanian devil and Tasmanian wedge-tailed eagle, from impact of truck movements. One representor also raised concerns in relation to potential impacts to native species.

Weeds, pests and diseases, waste, environmentally hazardous substances, and Decommissioning and rehabilitation are considered to present a low risk and can be adequately managed through standard conditions for quarry activities.

Standard conditions from the existing permits, which will be wholly replaced by new permits if approved by each Council, have been updated to reflect contemporary wording and are considered appropriate to effectively manage potential environmental impacts from the activity including those issues raised by Representors.

Table 6 lists conditions imposed on the activity for non-key issues. Full conditions are provided in Appendices 3 and 4.

Standard conditions are appropriate to manage the potential impact of:

- hazardous materials on the environment from operations on site such as mobile refuelling of equipment or maintenance;
- general waste generated on site;

- weed, pest and pathogens brought into the activity area from truck and vehicle movements and wind;
- decommissioning and rehabilitation in the event of cessation of the activity.

Mitigation measures proposed by the proponent are provided in Appendix 2.

**Table 6: Conditions imposed on the activity (PCE No. 12598 and PCE No. 12599).**

Condition No. and heading	Purpose of Condition(s)	Comment
<b>Maximum quantities</b>		
*Q1 Regulatory limits	To specify the maximum production limit.	Standard condition Reflects proposed limits
<b>General</b>		
G1 Activity Area	To limit the footprint of the activity.	Standard condition
G2 Access to and awareness of conditions and associated documents	To require a copy of conditions to be kept available to those operating the activity.	Standard condition
G3 Incident response	To require the person responsible to take action to minimise environmental harm if an incident occurs.	Standard condition
G4 Change of responsibility	To ensure the EPA is aware of changes to the person responsible for environmental management of the activity.	Standard condition
G5 Change of ownership	To ensure the EPA is aware of a change of ownership to the property on which the activity occurs.	Standard condition
G6 Complaints register	To ensure complaints are recorded and available as an indicator to the EPA of potential nuisance.	Standard condition
G7 Proposed change to activity	To ensure the EPA is notified of any changes to the activity that may cause environmental harm, to assist regulation of the activity.	Standard condition (not in previous permit)
G8 Amendment of required plans and reports	To ensure the EPA has the correct version of such plans and reports, and that they comply with permit requirements.	Standard condition (not in previous permit)
G9 Quarry Code of Practice	To ensure the activity is carried out in accordance with best practice environmental management for quarry operations as outlined in the <a href="#">Quarry Code of Practice</a> .	Standard condition
<b>Air emissions</b>		
A1 Covering of vehicles	To prevent vehicle loads releasing dust into the air.	Standard condition
A2 Control of dust emissions	To require management of dust to prevent environmental nuisance beyond the Activity Area.	Standard condition

<b>Condition No. and heading</b>	<b>Purpose of Condition(s)</b>	<b>Comment</b>
B6 Control of blast fume emissions	To require management of blast fume to prevent environmental nuisance beyond the Activity Area.	Standard condition
<b>Decommissioning and Rehabilitation</b>		
DC1 Stockpiling of surface soil	To require retention onsite of removed surface soils to provide for rehabilitation as needed.	Standard condition
DC2 Progressive rehabilitation	To compel timely rehabilitation of disused sections of the Activity Area, minimising the extent of unrehabilitated areas.	Standard condition Maximum disturbance area of 3ha
DC3 Temporary suspension of activity	To ensure adequate management of the activity and site, should the activity temporarily suspend operations.	Standard condition
DC4 Notification of cessation	To ensure the EPA is notified of proposed cessation in a timely way.	Standard condition
DC5 DRP Requirements	To require a Decommissioning and Rehabilitation Plan to be lodged with the EPA when notifying of cessation, with provision for the EPA Director to issue requirements for the Plan	Standard condition
DC6 Rehabilitation on cessation	To require decommissioning and rehabilitation in a timely, planned and approved manner.	Standard condition
DC7 Activity to cease following decommissioning and rehabilitation	To prevent resumption of an Activity where it has already been ceased and the site decommissioned/rehabilitated.	Standard condition
<b>Hazardous substances</b>		
H1 Spill kits	To ensure spill kits are kept onsite in appropriate locations, enabling rapid response to spills of environmentally hazardous substances.	Standard condition
H2 Storage and handling of hazardous materials	To ensure environmentally hazardous substances are stored and handled appropriately, to prevent spills.	Standard condition
H3 Handling of hazardous materials – mobile	To ensure environmentally hazardous substances held in vehicles are stored and handled appropriately, to prevent spills.	Standard condition
<b>Stormwater management</b>		
SW1 Perimeter drains or bunds	To ensure that infrastructure to divert clean water around the site is adequately installed and maintained to minimise sediment and other pollutants entering stormwater.	Standard condition
SW2 Design and maintenance of settling ponds	To ensure that infrastructure to manage water traversing and discharged from the Activity Area is adequately installed and maintained to minimise release of sediment entrained in stormwater.	Standard condition

Condition No. and heading	Purpose of Condition(s)	Comment
SW3 Stormwater	To require collection and treatment of polluted stormwater prior to discharge and prohibit discharge of stormwater carrying visible pollutants.	Standard condition
<b>Operations</b>		
OPI Operating hours	Hours of operation	Standard condition
OP2 Machinery washdown	To ensure that machinery is washed down prior to entering the Activity Area to reduce the likelihood of weeds and diseases being introduced.	Standard condition
OP3 Weed management	To require the Activity Area be kept substantially free of weeds.	Standard condition

\* QI for this activity is 15,000 cubic metres per year of rocks, ores or minerals processed and 15,000 cubic metres per year of rocks, ores or minerals extracted. Although these limits are imposed for both permits for the activity, the limits apply to the activity as a whole.

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## 6. Report Conclusions

This assessment has been based on the information provided by the proponent, Gowing Bros Ltd, in the permit application, the case for assessment (the EER).

This report incorporates specialist advice provided by EPA scientific and regulatory staff, the Department of Natural Resources and Environment Tasmania, and other government agencies.

It is concluded that:

1. the RMPS and EMPCS objectives have been duly and properly pursued in the assessment of the proposal; and
2. the assessment of the proposal has been undertaken in accordance with the Environmental Impact Assessment Principles; and
3. the proposal is capable of being managed in an environmentally acceptable manner such that it is unlikely that the RMPS and EMPCS objectives would be compromised, provided that the Permit Conditions - Environmental No. 12598 (Sorell Council) and PCE No. 12599 (Clarence City Council) appended to this report are imposed and duly complied with.

The environmental conditions in Appendices 3 and 4 are a new set of operating conditions for blasting, and the entirety of activities, that will supersede the existing permit conditions.

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## 7. Report Approval

**Environmental Assessment Report and conclusions, including environmental conditions, adopted:**



Amanda Locatelli

**DIRECTOR, ENVIRONMENTAL ASSESSMENTS**

Acting under delegation from the Board of the Environment Protection Authority

Date: 27 April 2026

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## 8. References

Byron Gowing; *Environmental Effects Report for Gowing Bros Ltd - Modification (blasting) – Logie Farm Quarry, Orielton & Richmond* (dated 16 July 2025), Tasmania.

## 9. Appendices

- Appendix 1** Summary of public submissions
- Appendix 2** Table of proponent management measures
- Appendix 3** Permit conditions - Environment No.12598 (Sorell Council)
- Appendix 4** Permit conditions – Environment No.12599 (Clarence City Council)

## Appendix I: Summary of public submissions

**Table I: Matters raised during public consultation**

Representation No.	Comments and Issues	Additional information required
1	Concerns with: <ul style="list-style-type: none"> <li>• Environmental including dust, wildlife impact, water quality, geoconservation.</li> <li>• Community including noise pollution, traffic increase and noise, property values decreasing</li> <li>• Lifestyle and aesthetics including beauty of area will be compromised and tourism potential affected</li> <li>• Legal and procedural including lack of consultation, regulatory compliance</li> </ul>	Sufficient information provided in the EER.
2	Support for the proposal with an opportunity for enhanced restoration.	N/A

## Appendix 2: Table of proponent management measures

**Table 1: Proponent management measures (Page 61 of EER)**

No.	Proposed Management Measure	Timeframe
1	Before any scheduled approved blasting occurs, all relevant stakeholders will be notified including the neighbours and local councils.	Whenever necessitated by the maximum four blasts per year
2	Blasting ground vibration to be monitored	Anytime blasting occurs
3	Rock fly from blasting to be minimised	Anytime blasting occurs
5	Vegetation Retention along quarry borders	Ongoing
6	Weed Management	6 monthly or as necessary
7	Stockpiling and Overburden located at the base of the quarry to maximise wind protection	Ongoing
8	No hazardous materials will be stored on site except some fuel during operational hours for refuelling	Ongoing
9	Any mechanical repairs done onsite will ensure correct removal of waste oils and liquids	Ongoing
10	Crushers will be placed within the bounds of the quarry	Ongoing
11	No more than two crushers will operate at any time	Ongoing
12	Soil bunding on the east of the site will be maintained as operations continue	Ongoing
13	The quarry will operate between 7am - 5pm on weekdays and 8am – 12pm on Saturday	Ongoing
14	Install warning signs for traffic on Prossers Rd 50 metres each way from the exit	Ongoing
15	Overburden stored on site will be used to rehabilitate the site, any outside materials used in rehabilitation will be recorded and sourced so as to prevent contamination	Ongoing
16	The site will be rehabilitated in accordance with the EPA's requirements	12 months after operations cease
17	Trucks will be fully loaded to minimise traffic and fuel use	Ongoing
18	Load covering and dampening to be practiced as necessitated by weather conditions	As necessary when weather conditions are adverse
19	Maintenance of Sediment Retention Basins & Drainage	Ongoing

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## **Appendix 3: Permit conditions - Environment No. I 2598 (Sorell Council)**

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**PERMIT PART B**  
**PERMIT CONDITIONS - ENVIRONMENTAL No. 12598**

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Issued under the *Environmental Management and Pollution Control Act 1994*

Activity: **The operation of a quarry and materials handling (ACTIVITY TYPE: Crushing, grinding, milling or separating into different sizes (rocks, ores or minerals))**  
**LOGIE FARM ROAD QUARRY SORELL MUNICIPALITY, 326 PROSSERS AND LOGIE FARM ROAD ORIELTON TAS 7172**

The above activity has been assessed as a level 2 activity under the *Environmental Management and Pollution Control Act 1994*.

Acting under Section 25(5)(a)(i) of the EMPCA, the Board of the Environment Protection Authority has required that this Permit Part B be included in any Permit granted under the *Land Use Planning and Approvals Act 1993* with respect to the above activity.

Municipality: **SORELL**  
Permit Application Reference: **DA 2025/302**  
EPA file reference: **23/3520**

Date conditions approved: 27 April 2026

Signed:



DELEGATE FOR THE BOARD OF THE ENVIRONMENT PROTECTION AUTHORITY

## DEFINITIONS

Unless the contrary appears, words and expressions used in this Permit Part B have the meaning given to them in **Schedule 1** of this Permit and in the EMPCA. If there is any inconsistency between a definition in the EMPCA and a definition in this Permit Part B, the EMPCA prevails to the extent of the inconsistency.

## ENVIRONMENTAL CONDITIONS

The person responsible for the activity must comply with the conditions contained in **Schedule 2** of this Permit Part B.

## INFORMATION

Attention is drawn to **Schedule 3**, which contains important additional information.

## Table Of Contents

Schedule 1: Definitions.....	5
Schedule 2: Conditions.....	7
Maximum Quantities.....	7
Q1 Regulatory limits .....	7
General.....	7
G1 Activity Area.....	7
G2 Access to and awareness of conditions and associated documents.....	7
G3 Incident response.....	7
G4 Change of responsibility.....	7
G5 Change of ownership.....	7
G6 Complaints register.....	7
G7 Proposed change to activity.....	8
G8 Amendment of required plans and reports.....	8
G9 Quarry Code of Practice.....	8
Atmospheric.....	8
A1 Covering of vehicles.....	8
A2 Control of dust emissions.....	8
Blasting.....	9
B1 Blasting times.....	9
B2 Blasting .....	9
B3 Blasting - noise and vibration limits.....	9
B4 Notification of blasting.....	9
B5 Blast monitoring.....	9
B6 Control of blast fume emissions.....	9
Decommissioning And Rehabilitation.....	10
DC1 Stockpiling of surface soil.....	10
DC2 Progressive rehabilitation.....	10
DC3 Temporary suspension of activity.....	10
DC4 Notification of cessation.....	10
DC5 DRP requirements.....	11
DC6 Rehabilitation on cessation.....	11
DC7 Activity to cease following decommissioning and rehabilitation.....	11
Hazardous Substances.....	11
H1 Spill kits.....	11
H2 Storage and handling of hazardous materials.....	11
H3 Handling of hazardous materials - mobile.....	12
Noise Control.....	12
N1 Noise emission limits.....	12
N2 Noise survey requirements.....	13
N3 Noise management.....	13
N4 Noise survey method and reporting.....	13
N5 Noise complaints.....	14
Operations.....	14
OP1 Operating hours.....	14
OP2 Machinery washdown.....	14
OP3 Weed management.....	14
Stormwater Management.....	14
SW1 Perimeter drains or bunds.....	14
SW2 Design and maintenance of settling ponds.....	14
SW3 Stormwater.....	15

Schedule 3: Information..... 16

- Legal Obligations..... 16
  - LO1 EMPCA..... 16
  - LO2 Storage and handling of dangerous goods, explosives and dangerous substances..... 16
  - LO3 Aboriginal relics requirements..... 16
  - LO4 MRDA..... 16
- Other Information..... 16
  - OI1 Notification of incidents under section 32 of EMPCA ..... 16
  - OI2 Release of Relevant Information..... 16

***Attachments***

Attachment 1: PCE No.12598 - Activity Area (modified: 16/04/2026 11:23)..... 1 page

## Schedule 1: Definitions

In this Permit Part B:-

**15,000 cubic metres** is deemed equivalent to 24,000 tonnes.

**Aboriginal Relic** has the meaning described in section 2(3) of the *Aboriginal Heritage Act 1975*.

**Activity** means any environmentally relevant activity (as defined in section 3 of EMPCA) to which this document relates, and includes more than one such activity.

**Activity Area** means the area to be used for the Activity when these conditions take effect, as depicted in Attachment 1.

**Authorized Officer** means an authorized officer under section 20 of EMPCA.

**Background Noise Level** is the level that is exceeded 90% of the time for each measurement interval when measured in the absence of the subject site noise. Background noise is described using the  $L_{A90,T}$  descriptor.

**Best Practice Environmental Management** or '**BPEM**' has the meaning described in section 4 of EMPCA.

**Best Practice Erosion and Sediment Control** means the document with this title by the International Erosion Control Association, dated November 2008, and any amendment to or substitution of this document.

**Control Location (Noise)** means a location chosen to represent the general ambient sound without contribution from noise sources at the activity.

**Director** means the Director, Environment Protection Authority holding office under section 18 of EMPCA and includes a delegate or person authorised in writing by the Director to exercise a power or function on the Director's behalf.

**Dominant or Intrusive Noise Characteristics** means any noise characteristic that contributes to a noise being considered louder than would be indicated by the A-weighted sound pressure level measured, or that exacerbates nuisance or harm caused by the noise.

**DRP** means Decommissioning and Rehabilitation Plan.

**EMPCA** means the *Environmental Management and Pollution Control Act 1994*.

**Environmental Harm** and **Material Environmental Harm** and **Serious Environmental Harm** each have the meanings ascribed to them in section 5 of EMPCA.

**Environmental Nuisance** has the meanings ascribed to it in section 3 of EMPCA.

**Environmentally Hazardous Material** means any substance or mixture of substances of a nature or held in quantities which present a reasonably foreseeable risk of causing serious or material environmental harm if released to the environment and includes fuels, oils, waste and chemicals but excludes sewage.

**EPA Board** means the Board of the Environment Protection Authority established under section 13 of EMPCA and includes a delegate or person authorised in writing by the EPA Board to exercise a power or function on the EPA Board's behalf.

**Heavy Vehicles** means any vehicle or machinery used for the activity to which this document relates that has a gross vehicle mass (GVM) or aggregate trailer mass (ATM) exceeding 4.5 tonnes.

**Maximum Disturbed Area** means the area disturbed to facilitate the activity and includes but is not limited to; vegetation disturbance, soil disturbance, access roads, hardstand, working area, vehicle parking and infrastructure (i.e. buildings, site office, sheds etc).

**Noise Measurement Procedures Manual** means the document titled *Noise Measurement Procedures Manual*, by the Department of Environment, Parks, Heritage and the Arts, dated July 2008, and any amendment to or substitution of this document.

**Noise Sensitive Premises** means residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.

**Normal Ambient Noise** refers to the ambient noise of the receiver location in the absence of the subject site noise. Ambient noise level is measured in  $L_{Aeq}$ .

**normal operations** is the operation of one screen, one crusher, one excavator, one loader and one truck within the Activity Area at any given time.

**Person Responsible** is any person who is or was responsible for the environmentally relevant activity to which this document relates and includes the officers, employees, contractors, joint venture partners and agents of that person, and includes a body corporate.

**Planning Authority** means the Council(s) for the municipal area(s) in which the Activity Area is situated.

**Pollutant** has the meaning ascribed to it in section 3 of EMPCA.

**Quarry Code of Practice** means the document of this title published by the Environment Protection Authority in May 2017, and includes any subsequent versions of this document.

**Stormwater** means water runoff as a consequence of a rainfall event, whether surface flow, piped flow, or flow within conduits, including any contaminants collected by the water during its passage.

**Weed** means a plant species that has, or is likely to have, an adverse impact on the environment because of the introduction, spread or increase in population size of the species in an area; and includes a declared weed as defined in the *Biosecurity Act 2019* and subordinate regulations.

**Weed and Disease Guidelines** means the document titled *Weed and Disease Planning and Hygiene Guidelines - Preventing the spread of weeds and diseases in Tasmania*, by the Department of Primary Industries, Parks, Water and Environment, dated March 2015, and any amendment to or substitution of this document.

## Schedule 2: Conditions

### Maximum Quantities

#### **Q1 Regulatory limits**

- 1 The activity must not exceed the following limits :
  - 1.1 15,000 cubic metres per year of rocks, ores or minerals processed.
  - 1.2 15,000 cubic metres per year of rocks, ores or minerals extracted.

### General

#### **G1 Activity Area**

The activity must be confined to the Activity Area.

#### **G2 Access to and awareness of conditions and associated documents**

A copy of these conditions and any associated documents referred to in these conditions must be held in a location that is known to and accessible to the person responsible for the activity. The person responsible for the activity must ensure that all persons who are responsible for undertaking work within the Activity Area, including contractors and sub-contractors, are familiar with these conditions to the extent relevant to their work.

#### **G3 Incident response**

If an incident causing or threatening environmental nuisance, serious environmental harm or material environmental harm from pollution occurs in the course of the activity, then the person responsible for the activity must immediately take all reasonable and practicable action to minimise any adverse environmental effects from the incident.

#### **G4 Change of responsibility**

If the person responsible for the activity intends to cease to be responsible for the activity, that person must notify the Director in writing of the full particulars of any person who will become the person responsible for the activity, before such cessation.

#### **G5 Change of ownership**

If the owner of the Activity Area changes or is to change, then, as soon as reasonably practicable but no later than 30 days after becoming aware of the change or intended change in the ownership of the Activity Area, the person responsible must notify the Director in writing of the change or intended change of ownership.

#### **G6 Complaints register**

- 1 A public complaints register must be maintained. The public complaints register must, as a minimum, record the following detail in relation to each complaint received in which it is alleged that environmental harm (including an environmental nuisance) has been caused by the activity:
  - 1.1 the date and time at which the complaint was received;
  - 1.2 contact details for the complainant (where provided);
  - 1.3 the subject matter of the complaint;
  - 1.4 any investigations undertaken with regard to the complaint; and
  - 1.5 the manner in which the complaint was resolved, including any mitigation measures implemented.
- 2 Complaint records must be retained for a period of at least 3 years.

**G7 Proposed change to activity**

- 1 The person responsible must notify the Director in writing prior to implementing any change to the activity authorised by this document that may cause or increase the emission of a pollutant or which may result in environmental harm or environmental nuisance (even temporarily). A change includes, but is not limited to, any of the following:
  - 1.1 an increase in the discharge of a pollutant, or the location of its discharge.
  - 1.2 the construction, installation, alteration or removal of any structure or equipment used in the course of carrying out the activity.
  - 1.3 any clearance of native vegetation or earthworks.
  - 1.4 a change in the quantity or characteristics of materials used in carrying out the activity.
- 2 The notification must be in an approved form and include the following:
  - 2.1 details of the proposed change;
  - 2.2 an assessment of the environmental impacts that may result from the change;
  - 2.3 any relevant approvals held by the person responsible; and
  - 2.4 any advice from the relevant planning authority to the effect that approval is not required.
- 3 The person responsible must provide additional information as requested by an Authorized Officer.
- 4 The proposed change must not be implemented until the Director has confirmed in writing that they are satisfied that no other approval or variation of this document is required.
- 5 For the avoidance of doubt, a notification of a proposed change under this provision is not required if the proposed change is part of a referral to the EPA Board for assessment under sections 24, 25, 27 or 27AA of EMPCA.

**G8 Amendment of required plans and reports**

- 1 The plans and reports required by these conditions must be amended to address any matter required by the Director, as advised by notice in writing.
- 2 Amended plans and reports must be resubmitted within the timeframe that the Director specifies.

**G9 Quarry Code of Practice**

Unless otherwise required by these conditions or required in writing by the Director, the activity (or activities) undertaken within the Activity Area must comply with the Acceptable Standards provisions of the *Quarry Code of Practice*.

**Atmospheric****A1 Covering of vehicles**

Vehicles carrying loads containing material which may blow or spill must be equipped with effective control measure to prevent the escape of the materials from the vehicles when they leave the Activity Area or travel on public roads.

**A2 Control of dust emissions**

Dust emissions from within the Activity Area must be controlled to the extent necessary to prevent environmental nuisance beyond the boundary of the Activity Area.

## **Blasting**

### **B1 Blasting times**

Blasting within the Activity Area must take place only between the hours of 1000 hours and 1600 hours Monday to Friday. Blasting must not take place on Saturdays, Sundays or Public Holidays that are observed State-wide (Easter Tuesday excepted) without written approval of the Director.

### **B2 Blasting**

No more than four (4) blasts may occur in the Activity Area per year without the prior approval of the Director.

### **B3 Blasting - noise and vibration limits**

- 1 Blasting within the Activity Area must be carried out in accordance with blasting best practice environmental management (BPEM) principles, and must be carried out such that, when measured at the curtilage of any residence (or other noise sensitive premises) in other occupation or ownership, airblast overpressure and ground vibration comply with the following:
  - 1.1 for 95% of blasts in a consecutive 12-month period, airblast overpressure must not exceed 115dB (Lin Peak);
  - 1.2 airblast overpressure must not exceed 120dB (Lin Peak);
  - 1.3 for 95% of blasts in a consecutive 12-month period, ground vibration must not exceed 5mm/sec peak particle velocity; and
  - 1.4 ground vibration must not exceed 10mm/sec peak particle velocity.
- 2 All measurements of airblast overpressure and peak particle velocity must be carried out in accordance with the methods set down in *Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration*, Australian and New Zealand Environment Council, September 1990.

### **B4 Notification of blasting**

All residents within a 1 km radius of the activity must be notified on each occasion prior to blasting within the Activity Area. This notification must be given at least 24 hours before such blasting is due to occur. In the event that the blast(s) cannot take place at the time specified, the responsible person must advise all those residents within 1 km of the activity of the revised time at which blasting will take place.

### **B5 Blast monitoring**

- 1 Unless otherwise approved in writing by the Director, blast monitoring must be undertaken for each blast that occurs within the Activity Area.
- 2 Blast monitoring must be carried out at location(s) agreed in writing by the Director.
- 3 In the event that ground vibration and/or airblast overpressure caused by a blast exceeds a limit imposed by these conditions, the Director must be notified within seven days of the blast, or as soon as is reasonable and practicable.
- 4 Blast monitoring records must be maintained for a period of at least two years.

### **B6 Control of blast fume emissions**

Blast fume emissions must be controlled to the extent necessary to prevent environmental nuisance beyond the boundary of the Activity Area.

## **Decommissioning And Rehabilitation**

### **DC1 Stockpiling of surface soil**

Prior to commencement of extractive activities on any portion of the Activity Area, surface soils must be removed in that portion of the Activity Area to be disturbed by the conduct of the activity and stockpiled for later use in rehabilitation of the Activity Area. Topsoil must be kept separate from other overburden and protected from erosion or other disturbance.

### **DC2 Progressive rehabilitation**

Worked out or disused sections of the Activity Area must be rehabilitated concurrently with extractive activities on other sections of the Activity Area. Progressive rehabilitation must be carried out in accordance with the relevant provisions of the *Quarry Code of Practice*, unless otherwise approved in writing by the Director. The maximum disturbed area of land which may remain, at any time, without rehabilitation is three (3) hectares.

### **DC3 Temporary suspension of activity**

- 1 Within 30 days of becoming aware of any event or decision which is likely to give rise to the temporary suspension of the activity, the person responsible for the activity must notify the Director in writing of that event or decision. The notice must specify the date upon which the activity is expected to suspend or has suspended.
- 2 During temporary suspension of the activity the Activity Area must be managed and monitored by the person responsible for the activity to ensure that emissions from the Activity Area do not cause serious environmental harm, material environmental harm or environmental nuisance.
- 3 If required by the Director, a Care and Maintenance Plan for the activity must be submitted to the Director for approval, by a date specified in writing by the Director. This requirement will be deemed to be satisfied only when the Director indicates in writing that the submitted document adequately addresses the requirements of this condition.
  - 3.1 The plan must be prepared in accordance with any guidelines provided by the Director.
  - 3.2 Once approved the person responsible must act in accordance with the approved Care and Maintenance Plan.
  - 3.3 The person responsible may apply to the Director to vary or substitute the Care and Maintenance Plan. Any variation or substitution of the plan approved by the Director, by notice in writing, replaces the earlier approval with effect from the date specified in the notice.
- 4 Unless otherwise approved in writing by the Director, if the activity on the Activity Area has substantially ceased for 2 years, decommissioning of the activity and rehabilitation of the Activity Area must be carried out in accordance with the requirements of these conditions as if the activity has permanently ceased.

### **DC4 Notification of cessation**

Within 30 days of becoming aware of any event or decision which is likely to give rise to the permanent cessation of the activity, the person responsible for the activity must notify the Director in writing of that event or decision. The notice must specify the date upon which the activity is expected to cease or has ceased.

**DC5   DRP requirements**

- 1 Unless otherwise approved in writing by the Director, a Decommissioning and Rehabilitation Plan (DRP) for the activity must be submitted for approval to the Director within 30 days of the Director being notified of the planned cessation of the activity. The DRP must be prepared in accordance with any guidelines provided by the Director. This requirement will be deemed to be satisfied only when the Director indicates in writing that the submitted document adequately addresses the requirements of this condition.
- 2 The person responsible may apply to the Director to vary or substitute the DRP. Any variation or substitution of the plan approved by the Director, by notice in writing, replaces the earlier approval with effect from the date specified in the notice.

**DC6   Rehabilitation on cessation**

- 1 Unless otherwise approved in writing by the Director, rehabilitation upon permanent cessation of the activity must be undertaken in accordance with relevant provisions of the *Quarry Code of Practice* and in accordance with the following:
  - 1.1 rehabilitation earthworks must be substantially completed within 12 months of cessation of the activity; and
  - 1.2 rehabilitated areas must be monitored and maintained for a period of at least three years after rehabilitation works have been substantially completed, after which time the person responsible for the activity may apply in writing to the Director for a written statement that rehabilitation has been successfully completed.

**DC7   Activity to cease following decommissioning and rehabilitation**

- 1 Following written notification by the Director confirming the completion of decommissioning of the Activity and rehabilitation of the Activity Area in accordance with these conditions:
  - 1.1 the Activity must not recommence; and
  - 1.2 the Person Responsible is not required to undertake monitoring, reporting and/or notification condition requirements relating to the activity, unless otherwise specified in writing by the Director.

**Hazardous Substances****H1   Spill kits**

Spill kits appropriate for the types and volumes of materials handled within the Activity Area must be kept in appropriate locations and maintained in a functional condition to assist with the containment of spilt environmentally hazardous materials.

**H2   Storage and handling of hazardous materials**

- 1 Unless otherwise approved in writing by the Director, all environmentally hazardous materials, including chemicals, fuels, and oils, stored within the Activity Area in volumes exceeding 250 litres must be stored and handled in accordance with the following:
  - 1.1 Any storage facility must be contained within a spill collection bund with a net capacity of whichever is the greater of the following:
    - 1.1.1 at least 110% of the combined volume of any interconnected vessels within that bund; or
    - 1.1.2 at least 110% of the volume of the largest storage vessel; or
    - 1.1.3 at least 25% of the total volume of all vessels stored in that spill collection bund; or

- 1.1.4 the capacity of the largest tank plus the output of any firewater system over a twenty minute period.
- 1.2 All activities that involve a significant risk of spillages, including the loading and unloading of bulk materials, must take place in a bunded containment area or on a transport vehicle loading apron.
- 1.3 Bunded containment areas and transport vehicle loading aprons must:
  - 1.3.1 be made of materials that are impervious to any environmentally hazardous material stored within the bund;
  - 1.3.2 be graded or drained to a sump to allow recovery of liquids;
  - 1.3.3 be chemically resistant to the chemicals stored or transferred;
  - 1.3.4 be designed and managed such that any leakage or spillage is contained within the bunded area (including where such leakage emanates vertically higher than the bund wall);
  - 1.3.5 be designed and managed such that the transfer of materials is adequately controlled by valves, pumps and meters and other equipment wherever practical. The equipment must be adequately protected (for example, with bollards) and contained in an area designed to permit recovery of any released chemicals;
  - 1.3.6 be designed such that chemicals which may react dangerously if they come into contact have measures in place to prevent mixing; and
  - 1.3.7 be managed such that the capacity of the bund is maintained at all times (for example, by regular inspections and removal of obstructions).

### **H3 Handling of hazardous materials - mobile**

- 1 Where mobile containment of environmentally hazardous materials is utilised for the fuelling or servicing of mobile or fixed plant within the Activity Area, all reasonable measures must be implemented to prevent unauthorised discharge, emission or deposition of pollutants:
  - 1.1 to soils within the boundary of the Activity Area in a manner that is likely to cause serious or material environmental harm;
  - 1.2 to groundwater;
  - 1.3 to waterways; or
  - 1.4 beyond the boundary of the Activity Area.
- 2 Reasonable measures may include spill kits, spill trays/bunds or absorbent pads, and automatic cut-offs on any pumping equipment.

### **Noise Control**

#### **N1 Noise emission limits**

- 1 Noise emissions from the activity when detected at any noise sensitive premises in other ownership and expressed as the equivalent continuous A-weighted sound pressure level must not exceed:
  - 1.1 45 dB(A) between 0700 hours and 1700 hours (weekdays); and
  - 1.2 45 dB(A) between 0800 hours and 1200 hours (Saturdays).
- 2 Where the combined level of noise from the Activity Area and the normal ambient noise exceeds the noise levels stated above, this condition will not be considered to be breached unless the noise emissions from the activity are audible and exceed the background noise level by at least 5 dB(A).

- 3 The time interval over which noise levels are averaged must be 10 minutes or an alternative time interval specified in writing by the Director.
- 4 Noise emissions from the site should not contain any dominant or intrusive noise characteristics when measured or observed at any noise sensitive premises as assessed in accordance with the *Noise Measurement Procedures Manual*. Where noise emissions from the site contain any dominant or intrusive noise characteristics at any noise sensitive premises, measured noise levels must be adjusted for tonality, impulsiveness, modulation and low frequency in accordance with the *Noise Measurement Procedures Manual*.
- 5 All methods of measurement must be in accordance with the *Noise Measurement Procedures Manual*.

## **N2 Noise survey requirements**

- 1 Unless otherwise approved in writing by the Director, a noise survey must be completed:
  - 1.1 during the first drilling campaign;
  - 1.2 within 90 days for normal operations;
  - 1.3 within six (6) months after any change to the activity which is likely to substantially alter the character or increase the volume of noise emitted from the Activity Area; and
  - 1.4 Where the Director is of the opinion that a noise survey must be completed within a specified timeframe.

## **N3 Noise management**

- 1 Unless otherwise approved in writing by the Director drilling activities must not be undertaken simultaneously with normal operations.
- 2 The person responsible may request this restriction be reviewed on the provision of noise survey and/or modelling results demonstrating compliance with noise limits imposed by these conditions at all nearby sensitive noise receptors for drilling undertaken simultaneously with normal operations.

## **N4 Noise survey method and reporting**

- 1 Noise survey must be undertaken in accordance with a survey method approved in writing by the Director, as may be amended from time to time with written approval of the Director.
- 2 Unless otherwise approved in writing by the Director, the survey method must include measurement locations, and the number thereof, with one location established as a control location.
- 3 Measurements and data recorded during the survey must include:
  - 3.1 operational status of noise producing equipment and throughput of the activity;
  - 3.2 subjective descriptions of the sound at each location;
  - 3.3 details of meteorological conditions relevant to the propagation of noise; and
  - 3.4 the equivalent continuous ( $L_{eq}$ ) and  $L_{max}$ ,  $L_1$ ,  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$ ,  $L_{99}$  and  $L_{min}$  A-weighted sound pressure levels measured over a period of 10 minutes or an alternative time interval approved by the Director.
- 4 A noise survey report must be forwarded to the Director within 30 days from the date on which the noise survey is completed.
- 5 The noise survey report must include the following:
  - 5.1 the results and interpretation of the measurements required by these conditions;

- 5.2 a map of the area surrounding the activity with the boundary of the Activity Area, measurement locations, and noise sensitive premises clearly marked on the map;
  - 5.3 any other information that will assist with interpreting the results and whether the activity is in compliance with these conditions and EMPCA; and
  - 5.4 recommendations of appropriate mitigation measures to manage any noise problems identified by the noise survey.
- 6 Unless otherwise approved in writing by the Director, the person responsible must act in accordance with and implement the recommendations in the noise survey report.

#### **N5 Noise complaints**

In the event that a noise complaint is received in relation to the Activity Area, the complaint must be reported to the Director within 24 hours.

### **Operations**

#### **OP1 Operating hours**

- 1 Unless otherwise approved in writing by the Director, activities associated with the extraction of rock, gravel, sand, clay or minerals; heavy vehicles entering/leaving the Activity Area; loading of product; and crushing/screening, must not be undertaken outside the hours of 0700 hours to 1700 hours on weekdays and 0800 hours to 1200 hours on Saturdays.
- 2 Notwithstanding the above paragraph, activities must not be carried out on public holidays that are observed Statewide (Easter Tuesday excepted).

#### **OP2 Machinery washdown**

Prior to entering the Activity Area, machinery must be washed in accordance with the Weed and Disease Guidelines, or any subsequent revisions of that document.

#### **OP3 Weed management**

The Activity Area must be kept substantially free of weeds to minimise the risk of weeds being spread through the transport of products from the Activity Area.

### **Stormwater Management**

#### **SW1 Perimeter drains or bunds**

- 1 Perimeter cut-off drains, or bunds, must be constructed at strategic locations within the Activity Area to prevent surface run-off from entering the area used or disturbed in carrying out the activity. All reasonable measures must be implemented to ensure that sediment transported along these drains, or bunds, remains within the Activity Area. Such measures may include provision of strategically located sediment fences, appropriately sized and maintained sediment settling ponds, vegetated swales, detention basins and other measures designed and operated in accordance with *Best Practice Erosion and Sediment Control* or similar.
- 2 Drains, or bunds, must have sufficient capacity to contain run-off that could reasonably be expected to arise during a 1 in 20 year rainfall event. Maintenance activities must be undertaken regularly to ensure that this capacity does not diminish.

#### **SW2 Design and maintenance of settling ponds**

- 1 Sediment settling ponds must be designed and maintained in accordance with the following requirements:
  - 1.1 ponds must be designed to successfully mitigate reasonably foreseeable sediment loss which would result from a 1 in 20 year storm event;

- 1.2 discharge from ponds must occur via a stable spillway that is not subject to erosion;
- 1.3 all pond walls must be stable and treated with topsoil and vegetated or otherwise treated in such a manner as to prevent erosion; and
- 1.4 sediment settling ponds must be periodically cleaned out to ensure that the pond design capacity is maintained. Sediment removed during this cleaning must be securely deposited such that sediment will not be transported off the Activity Area by surface run-off.

### **SW3 Stormwater**

- 1 Polluted stormwater that will be discharged from the Activity Area must be collected and treated prior to discharge to the extent necessary to prevent serious or material environmental harm, or environmental nuisance.
- 2 Notwithstanding the above, all stormwater that is discharged from the Activity Area must not carry pollutants such as sediment, oil and grease in quantities or concentrations that are likely to degrade the visual quality of any receiving waters outside the Activity Area.
- 3 All reasonable measures must be implemented to ensure that solids entrained in stormwater are retained within the Activity Area. Such measures may include appropriately sized and maintained sediment settling ponds or detention basins.

## Schedule 3: Information

### Legal Obligations

#### **LO1 EMPCA**

The activity must be conducted in accordance with both the conditions in this document and the obligations of the *Environmental Management and Pollution Control Act 1994* (EMPCA) and subordinate regulations. The conditions of this document do not replicate legislated obligations; therefore, you should ensure you are aware of your obligations under EMPCA and subordinate regulations.

#### **LO2 Storage and handling of dangerous goods, explosives and dangerous substances**

1 The storage, handling and transport of dangerous goods, explosives and dangerous substances must comply with the requirements of relevant State Acts and any regulations thereunder, including:

1.1 *Work Health and Safety Act 2012* and subordinate regulations;

1.2 *Explosives Act 2012* and subordinate regulations; and

1.3 *Dangerous Goods (Road and Rail Transport) Act 2010* and subordinate regulations.

#### **LO3 Aboriginal relics requirements**

1 Aboriginal relics, objects, sites, places and human remains regardless of whether they are located on public or private land, are protected under the *Aboriginal Heritage Act 1975*.

2 Unanticipated discoveries of Aboriginal heritage must be reported to Aboriginal Heritage Tasmania on **1300 487 045** as soon as possible.

#### **LO4 MRDA**

Operations must be undertaken in accordance with a mining plan approved by the Director of Mines and a Mining Lease issued under the *Mineral Resources Development Act 1995* (MRDA).

### Other Information

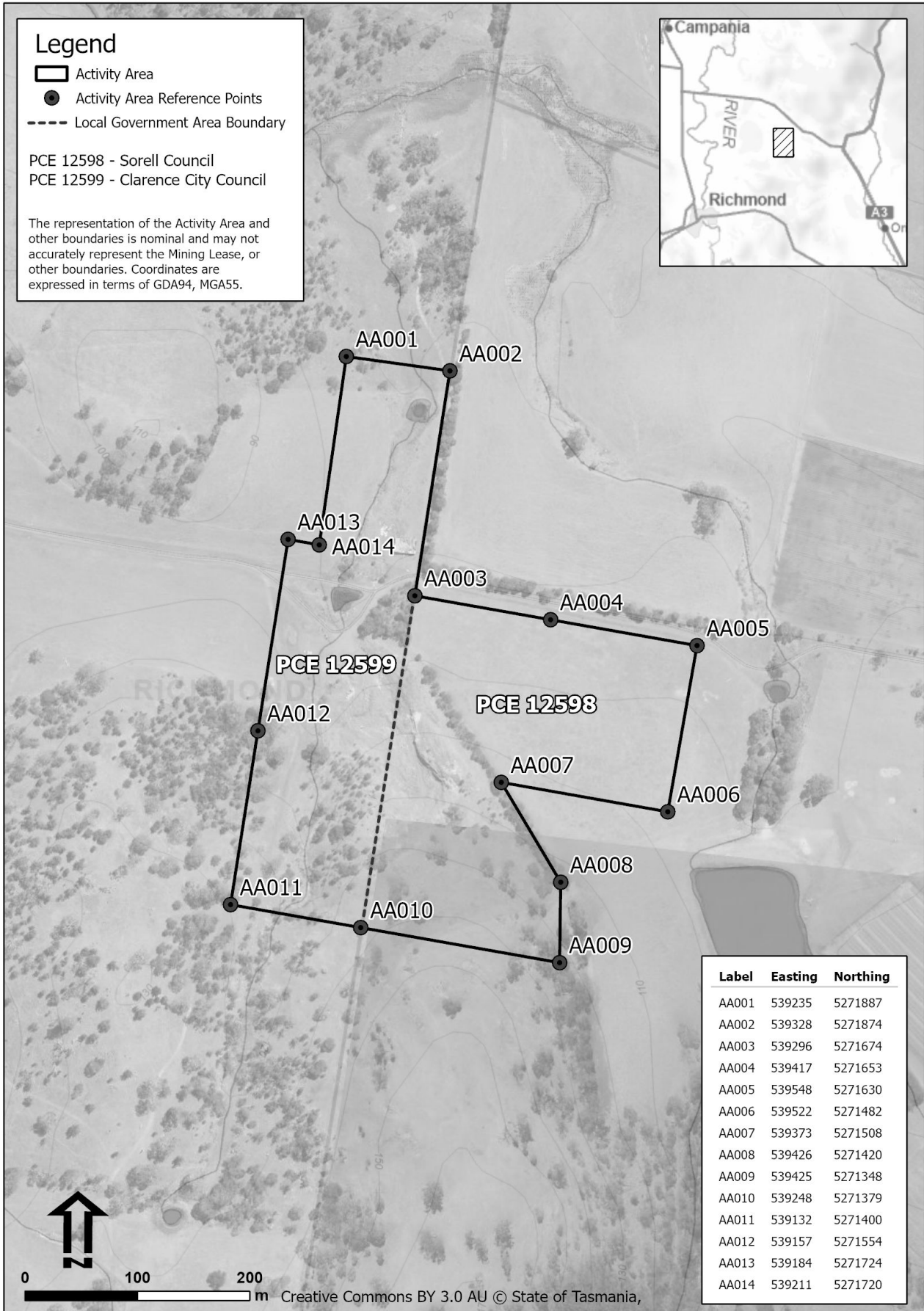
#### **OI1 Notification of incidents under section 32 of EMPCA**

Where a person is required by section 32 of EMPCA to notify the Director of the release of a pollutant, the Director can be notified by telephoning **1800 005 171** (a 24-hour emergency telephone number).

#### **OI2 Release of Relevant Information**

Under the provisions of section 23AA of EMPCA relevant information relating to monitoring of environmental impacts required under these conditions may be subject to publishing or public release by the Director.

# Attachment 1: PCE No.12598 - Activity Area



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## **Appendix 4: Permit conditions – Environment No.12599 (Clarence City Council)**

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**PERMIT PART B**  
**PERMIT CONDITIONS - ENVIRONMENTAL No. 12599**

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Issued under the *Environmental Management and Pollution Control Act 1994*

Activity:           **The operation of a quarry and materials handling (ACTIVITY TYPE:  
Crushing, grinding, milling or separating into different sizes (rocks, ores or  
minerals))**  
**LOGIE FARM ROAD QUARRY CLARENCE MUNICIPALITY, 326  
PROSSERS AND LOGIE FARM ROAD  
ORIELTON TAS 7172**

The above activity has been assessed as a level 2 activity under the *Environmental Management and Pollution Control Act 1994*.

Acting under Section 25(5)(a)(i) of the EMPCA, the Board of the Environment Protection Authority has required that this Permit Part B be included in any Permit granted under the *Land Use Planning and Approvals Act 1993* with respect to the above activity.

Municipality:                           **CLARENCE**  
Permit Application Reference:       **PD 2025/056817**  
EPA file reference:                   **25/3520**

Date conditions approved:           27 April 2026

Signed:



\_\_\_\_\_  
DELEGATE FOR THE BOARD OF THE ENVIRONMENT  
PROTECTION AUTHORITY

## DEFINITIONS

Unless the contrary appears, words and expressions used in this Permit Part B have the meaning given to them in **Schedule 1** of this Permit and in the EMPCA. If there is any inconsistency between a definition in the EMPCA and a definition in this Permit Part B, the EMPCA prevails to the extent of the inconsistency.

## ENVIRONMENTAL CONDITIONS

The person responsible for the activity must comply with the conditions contained in **Schedule 2** of this Permit Part B.

## INFORMATION

Attention is drawn to **Schedule 3**, which contains important additional information.

## Table Of Contents

Schedule 1: Definitions.....	5
Schedule 2: Conditions.....	7
Maximum Quantities.....	7
Q1 Regulatory limits .....	7
General.....	7
G1 Activity Area.....	7
G2 Access to and awareness of conditions and associated documents.....	7
G3 Incident response.....	7
G4 Change of responsibility.....	7
G5 Change of ownership.....	7
G6 Complaints register.....	7
G7 Proposed change to activity.....	8
G8 Amendment of required plans and reports.....	8
G9 Quarry Code of Practice.....	8
Atmospheric.....	8
A1 Covering of vehicles.....	8
A2 Control of dust emissions.....	8
Blasting.....	9
B1 Blasting times.....	9
B2 Blasting .....	9
B3 Blasting - noise and vibration limits.....	9
B4 Notification of blasting.....	9
B5 Blast monitoring.....	9
B6 Control of blast fume emissions.....	9
Decommissioning And Rehabilitation.....	10
DC1 Stockpiling of surface soil.....	10
DC2 Progressive rehabilitation.....	10
DC3 Temporary suspension of activity.....	10
DC4 Notification of cessation.....	10
DC5 DRP requirements.....	11
DC6 Rehabilitation on cessation.....	11
DC7 Activity to cease following decommissioning and rehabilitation.....	11
Hazardous Substances.....	11
H1 Spill kits.....	11
H2 Storage and handling of hazardous materials.....	11
H3 Handling of hazardous materials - mobile.....	12
Noise Control.....	12
N1 Noise emission limits.....	12
N2 Noise survey requirements.....	13
N3 Noise management.....	13
N4 Noise survey method and reporting.....	13
N5 Noise complaints.....	14
Operations.....	14
OP1 Operating hours.....	14
OP2 Machinery washdown.....	14
OP3 Weed management.....	14
Stormwater Management.....	14
SW1 Perimeter drains or bunds.....	14
SW2 Design and maintenance of settling ponds.....	14
SW3 Stormwater.....	15

Schedule 3: Information..... 16

- Legal Obligations..... 16
  - LO1 EMPCA..... 16
  - LO2 Storage and handling of dangerous goods, explosives and dangerous substances..... 16
  - LO3 Aboriginal relics requirements..... 16
  - LO4 MRDA..... 16
- Other Information..... 16
  - OI1 Notification of incidents under section 32 of EMPCA ..... 16
  - OI2 Release of Relevant Information..... 16

***Attachments***

Attachment 1: PCE No.12599 - Activity Area (modified: 16/04/2026 11:23)..... 1 page

## Schedule 1: Definitions

In this Permit Part B:-

**15,000 cubic metres** is deemed equivalent to 24,000 tonnes.

**Aboriginal Relic** has the meaning described in section 2(3) of the *Aboriginal Heritage Act 1975*.

**Activity** means any environmentally relevant activity (as defined in section 3 of EMPCA) to which this document relates, and includes more than one such activity.

**Activity Area** means the area to be used for the Activity when these conditions take effect, as depicted in Attachment 1.

**Authorized Officer** means an authorized officer under section 20 of EMPCA.

**Background Noise Level** is the level that is exceeded 90% of the time for each measurement interval when measured in the absence of the subject site noise. Background noise is described using the  $L_{A90,T}$  descriptor.

**Best Practice Environmental Management** or '**BPEM**' has the meaning described in section 4 of EMPCA.

**Best Practice Erosion and Sediment Control** means the document with this title by the International Erosion Control Association, dated November 2008, and any amendment to or substitution of this document.

**Control Location (Noise)** means a location chosen to represent the general ambient sound without contribution from noise sources at the activity.

**Director** means the Director, Environment Protection Authority holding office under section 18 of EMPCA and includes a delegate or person authorised in writing by the Director to exercise a power or function on the Director's behalf.

**Dominant or Intrusive Noise Characteristics** means any noise characteristic that contributes to a noise being considered louder than would be indicated by the A-weighted sound pressure level measured, or that exacerbates nuisance or harm caused by the noise.

**DRP** means Decommissioning and Rehabilitation Plan.

**EMPCA** means the *Environmental Management and Pollution Control Act 1994*.

**Environmental Harm** and **Material Environmental Harm** and **Serious Environmental Harm** each have the meanings ascribed to them in section 5 of EMPCA.

**Environmental Nuisance** has the meanings ascribed to it in section 3 of EMPCA.

**Environmentally Hazardous Material** means any substance or mixture of substances of a nature or held in quantities which present a reasonably foreseeable risk of causing serious or material environmental harm if released to the environment and includes fuels, oils, waste and chemicals but excludes sewage.

**EPA Board** means the Board of the Environment Protection Authority established under section 13 of EMPCA and includes a delegate or person authorised in writing by the EPA Board to exercise a power or function on the EPA Board's behalf.

**Heavy Vehicles** means any vehicle or machinery used for the activity to which this document relates that has a gross vehicle mass (GVM) or aggregate trailer mass (ATM) exceeding 4.5 tonnes.

**Maximum Disturbed Area** means the area disturbed to facilitate the activity and includes but is not limited to; vegetation disturbance, soil disturbance, access roads, hardstand, working area, vehicle parking and infrastructure (i.e. buildings, site office, sheds etc).

**Noise Measurement Procedures Manual** means the document titled *Noise Measurement Procedures Manual*, by the Department of Environment, Parks, Heritage and the Arts, dated July 2008, and any amendment to or substitution of this document.

**Noise Sensitive Premises** means residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.

**Normal Ambient Noise** refers to the ambient noise of the receiver location in the absence of the subject site noise. Ambient noise level is measured in  $L_{Aeq}$ .

**normal operations** is the operation of one screen, one crusher, one excavator, one loader and one truck within the Activity Area at any given time.

**Person Responsible** is any person who is or was responsible for the environmentally relevant activity to which this document relates and includes the officers, employees, contractors, joint venture partners and agents of that person, and includes a body corporate.

**Planning Authority** means the Council(s) for the municipal area(s) in which the Activity Area is situated.

**Pollutant** has the meaning ascribed to it in section 3 of EMPCA.

**Quarry Code of Practice** means the document of this title published by the Environment Protection Authority in May 2017, and includes any subsequent versions of this document.

**Stormwater** means water runoff as a consequence of a rainfall event, whether surface flow, piped flow, or flow within conduits, including any contaminants collected by the water during its passage.

**Weed** means a plant species that has, or is likely to have, an adverse impact on the environment because of the introduction, spread or increase in population size of the species in an area; and includes a declared weed as defined in the *Biosecurity Act 2019* and subordinate regulations.

**Weed and Disease Guidelines** means the document titled *Weed and Disease Planning and Hygiene Guidelines - Preventing the spread of weeds and diseases in Tasmania*, by the Department of Primary Industries, Parks, Water and Environment, dated March 2015, and any amendment to or substitution of this document.

## Schedule 2: Conditions

### Maximum Quantities

#### **Q1 Regulatory limits**

- 1 The activity must not exceed the following limits :
  - 1.1 15,000 cubic metres per year of rocks, ores or minerals processed.
  - 1.2 15,000 cubic metres per year of rocks, ores or minerals extracted.

### General

#### **G1 Activity Area**

The activity must be confined to the Activity Area.

#### **G2 Access to and awareness of conditions and associated documents**

A copy of these conditions and any associated documents referred to in these conditions must be held in a location that is known to and accessible to the person responsible for the activity. The person responsible for the activity must ensure that all persons who are responsible for undertaking work within the Activity Area, including contractors and sub-contractors, are familiar with these conditions to the extent relevant to their work.

#### **G3 Incident response**

If an incident causing or threatening environmental nuisance, serious environmental harm or material environmental harm from pollution occurs in the course of the activity, then the person responsible for the activity must immediately take all reasonable and practicable action to minimise any adverse environmental effects from the incident.

#### **G4 Change of responsibility**

If the person responsible for the activity intends to cease to be responsible for the activity, that person must notify the Director in writing of the full particulars of any person who will become the person responsible for the activity, before such cessation.

#### **G5 Change of ownership**

If the owner of the Activity Area changes or is to change, then, as soon as reasonably practicable but no later than 30 days after becoming aware of the change or intended change in the ownership of the Activity Area, the person responsible must notify the Director in writing of the change or intended change of ownership.

#### **G6 Complaints register**

- 1 A public complaints register must be maintained. The public complaints register must, as a minimum, record the following detail in relation to each complaint received in which it is alleged that environmental harm (including an environmental nuisance) has been caused by the activity:
  - 1.1 the date and time at which the complaint was received;
  - 1.2 contact details for the complainant (where provided);
  - 1.3 the subject matter of the complaint;
  - 1.4 any investigations undertaken with regard to the complaint; and
  - 1.5 the manner in which the complaint was resolved, including any mitigation measures implemented.
- 2 Complaint records must be retained for a period of at least 3 years.

**G7 Proposed change to activity**

- 1 The person responsible must notify the Director in writing prior to implementing any change to the activity authorised by this document that may cause or increase the emission of a pollutant or which may result in environmental harm or environmental nuisance (even temporarily). A change includes, but is not limited to, any of the following:
  - 1.1 an increase in the discharge of a pollutant, or the location of its discharge.
  - 1.2 the construction, installation, alteration or removal of any structure or equipment used in the course of carrying out the activity.
  - 1.3 any clearance of native vegetation or earthworks.
  - 1.4 a change in the quantity or characteristics of materials used in carrying out the activity.
- 2 The notification must be in an approved form and include the following:
  - 2.1 details of the proposed change;
  - 2.2 an assessment of the environmental impacts that may result from the change;
  - 2.3 any relevant approvals held by the person responsible; and
  - 2.4 any advice from the relevant planning authority to the effect that approval is not required.
- 3 The person responsible must provide additional information as requested by an Authorized Officer.
- 4 The proposed change must not be implemented until the Director has confirmed in writing that they are satisfied that no other approval or variation of this document is required.
- 5 For the avoidance of doubt, a notification of a proposed change under this provision is not required if the proposed change is part of a referral to the EPA Board for assessment under sections 24, 25, 27 or 27AA of EMPCA.

**G8 Amendment of required plans and reports**

- 1 The plans and reports required by these conditions must be amended to address any matter required by the Director, as advised by notice in writing.
- 2 Amended plans and reports must be resubmitted within the timeframe that the Director specifies.

**G9 Quarry Code of Practice**

Unless otherwise required by these conditions or required in writing by the Director, the activity (or activities) undertaken within the Activity Area must comply with the Acceptable Standards provisions of the *Quarry Code of Practice*.

**Atmospheric****A1 Covering of vehicles**

Vehicles carrying loads containing material which may blow or spill must be equipped with effective control measure to prevent the escape of the materials from the vehicles when they leave the Activity Area or travel on public roads.

**A2 Control of dust emissions**

Dust emissions from within the Activity Area must be controlled to the extent necessary to prevent environmental nuisance beyond the boundary of the Activity Area.

## **Blasting**

### **B1 Blasting times**

Blasting within the Activity Area must take place only between the hours of 1000 hours and 1600 hours Monday to Friday. Blasting must not take place on Saturdays, Sundays or Public Holidays that are observed State-wide (Easter Tuesday excepted) without written approval of the Director.

### **B2 Blasting**

No more than four (4) blasts may occur in the Activity Area per year without the prior approval of the Director.

### **B3 Blasting - noise and vibration limits**

- 1 Blasting within the Activity Area must be carried out in accordance with blasting best practice environmental management (BPEM) principles, and must be carried out such that, when measured at the curtilage of any residence (or other noise sensitive premises) in other occupation or ownership, airblast overpressure and ground vibration comply with the following:
  - 1.1 for 95% of blasts in a consecutive 12-month period, airblast overpressure must not exceed 115dB (Lin Peak);
  - 1.2 airblast overpressure must not exceed 120dB (Lin Peak);
  - 1.3 for 95% of blasts in a consecutive 12-month period, ground vibration must not exceed 5mm/sec peak particle velocity; and
  - 1.4 ground vibration must not exceed 10mm/sec peak particle velocity.
- 2 All measurements of airblast overpressure and peak particle velocity must be carried out in accordance with the methods set down in *Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration*, Australian and New Zealand Environment Council, September 1990.

### **B4 Notification of blasting**

All residents within a 1 km radius of the activity must be notified on each occasion prior to blasting within the Activity Area. This notification must be given at least 24 hours before such blasting is due to occur. In the event that the blast(s) cannot take place at the time specified, the responsible person must advise all those residents within 1 km of the activity of the revised time at which blasting will take place.

### **B5 Blast monitoring**

- 1 Unless otherwise approved in writing by the Director, blast monitoring must be undertaken for each blast that occurs within the Activity Area.
- 2 Blast monitoring must be carried out at location(s) agreed in writing by the Director.
- 3 In the event that ground vibration and/or airblast overpressure caused by a blast exceeds a limit imposed by these conditions, the Director must be notified within seven days of the blast, or as soon as is reasonable and practicable.
- 4 Blast monitoring records must be maintained for a period of at least two years.

### **B6 Control of blast fume emissions**

Blast fume emissions must be controlled to the extent necessary to prevent environmental nuisance beyond the boundary of the Activity Area.

## **Decommissioning And Rehabilitation**

### **DC1 Stockpiling of surface soil**

Prior to commencement of extractive activities on any portion of the Activity Area, surface soils must be removed in that portion of the Activity Area to be disturbed by the conduct of the activity and stockpiled for later use in rehabilitation of the Activity Area. Topsoil must be kept separate from other overburden and protected from erosion or other disturbance.

### **DC2 Progressive rehabilitation**

Worked out or disused sections of the Activity Area must be rehabilitated concurrently with extractive activities on other sections of the Activity Area. Progressive rehabilitation must be carried out in accordance with the relevant provisions of the *Quarry Code of Practice*, unless otherwise approved in writing by the Director. The maximum disturbed area of land which may remain, at any time, without rehabilitation is three (3) hectares.

### **DC3 Temporary suspension of activity**

- 1** Within 30 days of becoming aware of any event or decision which is likely to give rise to the temporary suspension of the activity, the person responsible for the activity must notify the Director in writing of that event or decision. The notice must specify the date upon which the activity is expected to suspend or has suspended.
- 2** During temporary suspension of the activity the Activity Area must be managed and monitored by the person responsible for the activity to ensure that emissions from the Activity Area do not cause serious environmental harm, material environmental harm or environmental nuisance.
- 3** If required by the Director, a Care and Maintenance Plan for the activity must be submitted to the Director for approval, by a date specified in writing by the Director. This requirement will be deemed to be satisfied only when the Director indicates in writing that the submitted document adequately addresses the requirements of this condition.
  - 3.1** The plan must be prepared in accordance with any guidelines provided by the Director.
  - 3.2** Once approved the person responsible must act in accordance with the approved Care and Maintenance Plan.
  - 3.3** The person responsible may apply to the Director to vary or substitute the Care and Maintenance Plan. Any variation or substitution of the plan approved by the Director, by notice in writing, replaces the earlier approval with effect from the date specified in the notice.
- 4** Unless otherwise approved in writing by the Director, if the activity on the Activity Area has substantially ceased for 2 years, decommissioning of the activity and rehabilitation of the Activity Area must be carried out in accordance with the requirements of these conditions as if the activity has permanently ceased.

### **DC4 Notification of cessation**

Within 30 days of becoming aware of any event or decision which is likely to give rise to the permanent cessation of the activity, the person responsible for the activity must notify the Director in writing of that event or decision. The notice must specify the date upon which the activity is expected to cease or has ceased.

**DC5   DRP requirements**

- 1 Unless otherwise approved in writing by the Director, a Decommissioning and Rehabilitation Plan (DRP) for the activity must be submitted for approval to the Director within 30 days of the Director being notified of the planned cessation of the activity. The DRP must be prepared in accordance with any guidelines provided by the Director. This requirement will be deemed to be satisfied only when the Director indicates in writing that the submitted document adequately addresses the requirements of this condition.
- 2 The person responsible may apply to the Director to vary or substitute the DRP. Any variation or substitution of the plan approved by the Director, by notice in writing, replaces the earlier approval with effect from the date specified in the notice.

**DC6   Rehabilitation on cessation**

- 1 Unless otherwise approved in writing by the Director, rehabilitation upon permanent cessation of the activity must be undertaken in accordance with relevant provisions of the *Quarry Code of Practice* and in accordance with the following:
  - 1.1 rehabilitation earthworks must be substantially completed within 12 months of cessation of the activity; and
  - 1.2 rehabilitated areas must be monitored and maintained for a period of at least three years after rehabilitation works have been substantially completed, after which time the person responsible for the activity may apply in writing to the Director for a written statement that rehabilitation has been successfully completed.

**DC7   Activity to cease following decommissioning and rehabilitation**

- 1 Following written notification by the Director confirming the completion of decommissioning of the Activity and rehabilitation of the Activity Area in accordance with these conditions:
  - 1.1 the Activity must not recommence; and
  - 1.2 the Person Responsible is not required to undertake monitoring, reporting and/or notification condition requirements relating to the activity, unless otherwise specified in writing by the Director.

**Hazardous Substances****H1   Spill kits**

Spill kits appropriate for the types and volumes of materials handled within the Activity Area must be kept in appropriate locations and maintained in a functional condition to assist with the containment of spilt environmentally hazardous materials.

**H2   Storage and handling of hazardous materials**

- 1 Unless otherwise approved in writing by the Director, all environmentally hazardous materials, including chemicals, fuels, and oils, stored within the Activity Area in volumes exceeding 250 litres must be stored and handled in accordance with the following:
  - 1.1 Any storage facility must be contained within a spill collection bund with a net capacity of whichever is the greater of the following:
    - 1.1.1 at least 110% of the combined volume of any interconnected vessels within that bund; or
    - 1.1.2 at least 110% of the volume of the largest storage vessel; or
    - 1.1.3 at least 25% of the total volume of all vessels stored in that spill collection bund; or

- 1.1.4 the capacity of the largest tank plus the output of any firewater system over a twenty minute period.
- 1.2 All activities that involve a significant risk of spillages, including the loading and unloading of bulk materials, must take place in a bunded containment area or on a transport vehicle loading apron.
- 1.3 Bunded containment areas and transport vehicle loading aprons must:
  - 1.3.1 be made of materials that are impervious to any environmentally hazardous material stored within the bund;
  - 1.3.2 be graded or drained to a sump to allow recovery of liquids;
  - 1.3.3 be chemically resistant to the chemicals stored or transferred;
  - 1.3.4 be designed and managed such that any leakage or spillage is contained within the bunded area (including where such leakage emanates vertically higher than the bund wall);
  - 1.3.5 be designed and managed such that the transfer of materials is adequately controlled by valves, pumps and meters and other equipment wherever practical. The equipment must be adequately protected (for example, with bollards) and contained in an area designed to permit recovery of any released chemicals;
  - 1.3.6 be designed such that chemicals which may react dangerously if they come into contact have measures in place to prevent mixing; and
  - 1.3.7 be managed such that the capacity of the bund is maintained at all times (for example, by regular inspections and removal of obstructions).

### **H3 Handling of hazardous materials - mobile**

- 1 Where mobile containment of environmentally hazardous materials is utilised for the fuelling or servicing of mobile or fixed plant within the Activity Area, all reasonable measures must be implemented to prevent unauthorised discharge, emission or deposition of pollutants:
  - 1.1 to soils within the boundary of the Activity Area in a manner that is likely to cause serious or material environmental harm;
  - 1.2 to groundwater;
  - 1.3 to waterways; or
  - 1.4 beyond the boundary of the Activity Area.
- 2 Reasonable measures may include spill kits, spill trays/bunds or absorbent pads, and automatic cut-offs on any pumping equipment.

### **Noise Control**

#### **N1 Noise emission limits**

- 1 Noise emissions from the activity when detected at any noise sensitive premises in other ownership and expressed as the equivalent continuous A-weighted sound pressure level must not exceed:
  - 1.1 45 dB(A) between 0700 hours and 1700 hours (weekdays); and
  - 1.2 45 dB(A) between 0800 hours and 1200 hours (Saturdays).
- 2 Where the combined level of noise from the Activity Area and the normal ambient noise exceeds the noise levels stated above, this condition will not be considered to be breached unless the noise emissions from the activity are audible and exceed the background noise level by at least 5 dB(A).

- 3 The time interval over which noise levels are averaged must be 10 minutes or an alternative time interval specified in writing by the Director.
- 4 Noise emissions from the site should not contain any dominant or intrusive noise characteristics when measured or observed at any noise sensitive premises as assessed in accordance with the *Noise Measurement Procedures Manual*. Where noise emissions from the site contain any dominant or intrusive noise characteristics at any noise sensitive premises, measured noise levels must be adjusted for tonality, impulsiveness, modulation and low frequency in accordance with the *Noise Measurement Procedures Manual*.
- 5 All methods of measurement must be in accordance with the *Noise Measurement Procedures Manual*.

## **N2 Noise survey requirements**

- 1 Unless otherwise approved in writing by the Director, a noise survey must be completed:
  - 1.1 during the first drilling campaign;
  - 1.2 within 90 days for normal operations;
  - 1.3 within six (6) months after any change to the activity which is likely to substantially alter the character or increase the volume of noise emitted from the Activity Area; and
  - 1.4 Where the Director is of the opinion that a noise survey must be completed within a specified timeframe.

## **N3 Noise management**

- 1 Unless otherwise approved in writing by the Director drilling activities must not be undertaken simultaneously with normal operations.
- 2 The person responsible may request this restriction be reviewed on the provision of noise survey and/or modelling results demonstrating compliance with noise limits imposed by these conditions at all nearby sensitive noise receptors for drilling undertaken simultaneously with normal operations.

## **N4 Noise survey method and reporting**

- 1 Noise survey must be undertaken in accordance with a survey method approved in writing by the Director, as may be amended from time to time with written approval of the Director.
- 2 Unless otherwise approved in writing by the Director, the survey method must include measurement locations, and the number thereof, with one location established as a control location.
- 3 Measurements and data recorded during the survey must include:
  - 3.1 operational status of noise producing equipment and throughput of the activity;
  - 3.2 subjective descriptions of the sound at each location;
  - 3.3 details of meteorological conditions relevant to the propagation of noise; and
  - 3.4 the equivalent continuous ( $L_{eq}$ ) and  $L_{max}$ ,  $L_1$ ,  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$ ,  $L_{99}$  and  $L_{min}$  A-weighted sound pressure levels measured over a period of 10 minutes or an alternative time interval approved by the Director.
- 4 A noise survey report must be forwarded to the Director within 30 days from the date on which the noise survey is completed.
- 5 The noise survey report must include the following:
  - 5.1 the results and interpretation of the measurements required by these conditions;

- 5.2 a map of the area surrounding the activity with the boundary of the Activity Area, measurement locations, and noise sensitive premises clearly marked on the map;
  - 5.3 any other information that will assist with interpreting the results and whether the activity is in compliance with these conditions and EMPCA; and
  - 5.4 recommendations of appropriate mitigation measures to manage any noise problems identified by the noise survey.
- 6 Unless otherwise approved in writing by the Director, the person responsible must act in accordance with and implement the recommendations in the noise survey report.

#### **N5 Noise complaints**

In the event that a noise complaint is received in relation to the Activity Area, the complaint must be reported to the Director within 24 hours.

### **Operations**

#### **OP1 Operating hours**

- 1 Unless otherwise approved in writing by the Director, activities associated with the extraction of rock, gravel, sand, clay or minerals; heavy vehicles entering/leaving the Activity Area; loading of product; and crushing/screening, must not be undertaken outside the hours of 0700 hours to 1700 hours on weekdays and 0800 hours to 1200 hours on Saturdays.
- 2 Notwithstanding the above paragraph, activities must not be carried out on public holidays that are observed Statewide (Easter Tuesday excepted).

#### **OP2 Machinery washdown**

Prior to entering the Activity Area, machinery must be washed in accordance with the Weed and Disease Guidelines, or any subsequent revisions of that document.

#### **OP3 Weed management**

The Activity Area must be kept substantially free of weeds to minimise the risk of weeds being spread through the transport of products from the Activity Area.

### **Stormwater Management**

#### **SW1 Perimeter drains or bunds**

- 1 Perimeter cut-off drains, or bunds, must be constructed at strategic locations within the Activity Area to prevent surface run-off from entering the area used or disturbed in carrying out the activity. All reasonable measures must be implemented to ensure that sediment transported along these drains, or bunds, remains within the Activity Area. Such measures may include provision of strategically located sediment fences, appropriately sized and maintained sediment settling ponds, vegetated swales, detention basins and other measures designed and operated in accordance with *Best Practice Erosion and Sediment Control* or similar.
- 2 Drains, or bunds, must have sufficient capacity to contain run-off that could reasonably be expected to arise during a 1 in 20 year rainfall event. Maintenance activities must be undertaken regularly to ensure that this capacity does not diminish.

#### **SW2 Design and maintenance of settling ponds**

- 1 Sediment settling ponds must be designed and maintained in accordance with the following requirements:
  - 1.1 ponds must be designed to successfully mitigate reasonably foreseeable sediment loss which would result from a 1 in 20 year storm event;

- 1.2 discharge from ponds must occur via a stable spillway that is not subject to erosion;
- 1.3 all pond walls must be stable and treated with topsoil and vegetated or otherwise treated in such a manner as to prevent erosion; and
- 1.4 sediment settling ponds must be periodically cleaned out to ensure that the pond design capacity is maintained. Sediment removed during this cleaning must be securely deposited such that sediment will not be transported off the Activity Area by surface run-off.

### **SW3 Stormwater**

- 1 Polluted stormwater that will be discharged from the Activity Area must be collected and treated prior to discharge to the extent necessary to prevent serious or material environmental harm, or environmental nuisance.
- 2 Notwithstanding the above, all stormwater that is discharged from the Activity Area must not carry pollutants such as sediment, oil and grease in quantities or concentrations that are likely to degrade the visual quality of any receiving waters outside the Activity Area.
- 3 All reasonable measures must be implemented to ensure that solids entrained in stormwater are retained within the Activity Area. Such measures may include appropriately sized and maintained sediment settling ponds or detention basins.

## Schedule 3: Information

### Legal Obligations

#### **LO1 EMPCA**

The activity must be conducted in accordance with both the conditions in this document and the obligations of the *Environmental Management and Pollution Control Act 1994* (EMPCA) and subordinate regulations. The conditions of this document do not replicate legislated obligations; therefore, you should ensure you are aware of your obligations under EMPCA and subordinate regulations.

#### **LO2 Storage and handling of dangerous goods, explosives and dangerous substances**

**1** The storage, handling and transport of dangerous goods, explosives and dangerous substances must comply with the requirements of relevant State Acts and any regulations thereunder, including:

**1.1** *Work Health and Safety Act 2012* and subordinate regulations;

**1.2** *Explosives Act 2012* and subordinate regulations; and

**1.3** *Dangerous Goods (Road and Rail Transport) Act 2010* and subordinate regulations.

#### **LO3 Aboriginal relics requirements**

**1** Aboriginal relics, objects, sites, places and human remains regardless of whether they are located on public or private land, are protected under the *Aboriginal Heritage Act 1975*.

**2** Unanticipated discoveries of Aboriginal heritage must be reported to Aboriginal Heritage Tasmania on **1300 487 045** as soon as possible.

#### **LO4 MRDA**

Operations must be undertaken in accordance with a mining plan approved by the Director of Mines and a Mining Lease issued under the *Mineral Resources Development Act 1995* (MRDA).

### Other Information

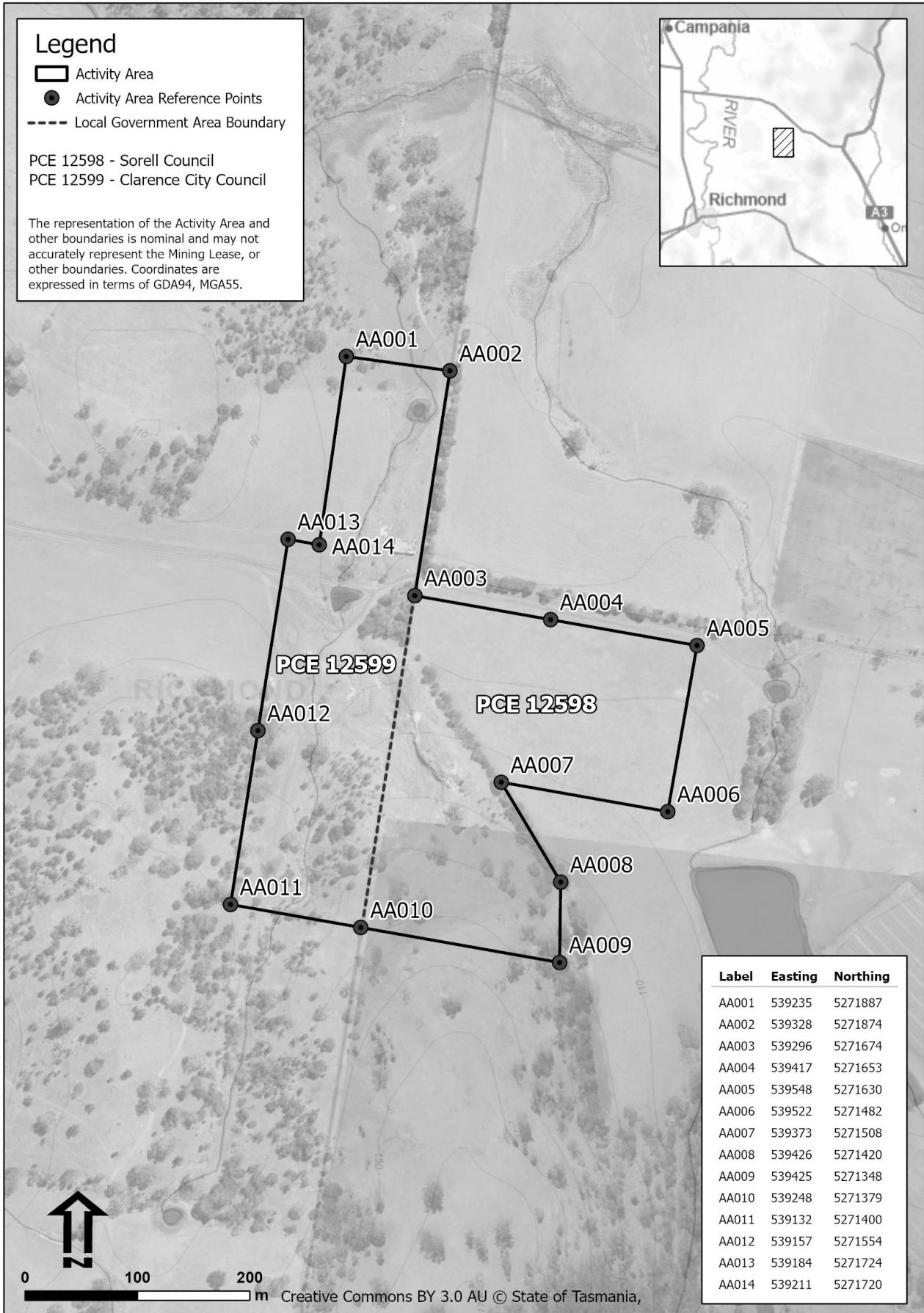
#### **OI1 Notification of incidents under section 32 of EMPCA**

Where a person is required by section 32 of EMPCA to notify the Director of the release of a pollutant, the Director can be notified by telephoning **1800 005 171** (a 24-hour emergency telephone number).

#### **OI2 Release of Relevant Information**

Under the provisions of section 23AA of EMPCA relevant information relating to monitoring of environmental impacts required under these conditions may be subject to publishing or public release by the Director.

# Attachment 1: PCE No.12599 - Activity Area





ENVIRONMENT PROTECTION AUTHORITY