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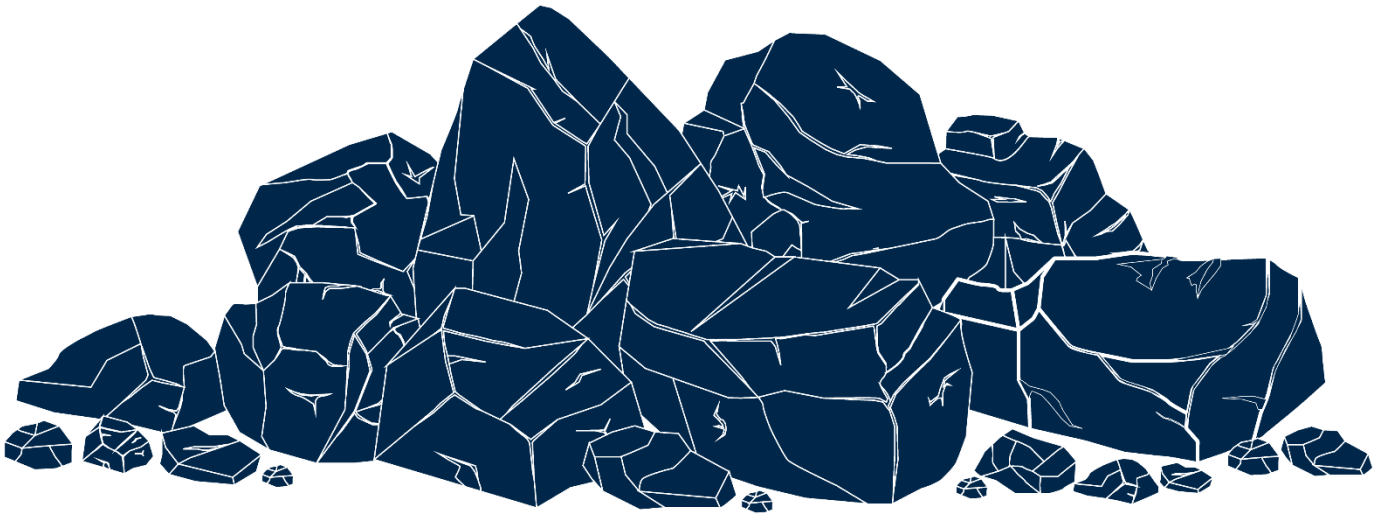
Karuah Hard Rock Quarry

Bushfire Management Plan

September 2025



Revision History

Version	Date Reviewed	Author	Status	Amendment Details
1A	June 2006	GSSE	Draft for Consultation	Original Bushfire Management Plan developed to satisfy Schedule 3, Condition 36 of the Development Consent.
1B	July 2006	GSSE	Draft for Submission	Updated for NSW RFS comments.
1C	August 2006	GSSE	Draft for Submission	Updated for Great Lakes Council comments.
1D	August 2006	GSSE	Final Document	Final document.
2	December 2014	SLR	Final Document	Comprehensive review following the findings of the 2014 Independent Environmental Audit.
3	August 2020	SLR	Draft for Consultation	Comprehensive review following the findings of the 2020 Independent Environmental Audit.
4A	May 2023	IEMA	Draft for Consultation	Comprehensive review in accordance with NSW Planning direction.
4B	August 2023	IEMA	Final Document	Updated for NSW RFS and MidCoast Council comments.
5A	July 2025	HQPL	Final Document	Comprehensive review and update for Hunter Quarries' current organisation structure and other operational changes, including acquisition of Lot 4 DP838128 and Lot 11 DP1024564. Update for new Hunter Quarries' document template.
5B	September 2025	HQPL	Final Document	Update for additional mapped fire trails.

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Terms, Definitions and Abbreviations

Abbreviation / Term	Meaning
APZ	Asset Protection Zone
BC Act	NSW *Biodiversity Conservation Act 2016*
BFMC	RFS Mid Coast Bush Fire Management Committee
BfMP	KHRQ Bushfire Management Plan
BFRMP	RFS Mid Coast Bush Fire Risk Management Plan
COA	Conservation Offset Area
Development Consent	KHRQ Development Consent, DA 265-10-2004
EIS	KHRQ Environmental Impact Statement
EMS&MP	KHRQ Environmental Management Strategy and Monitoring Program
F&FMP	KJHRQ Flora & Fauna Management Plan
IEA	Independent Environmental Audit
HQPL	Hunter Quarries Pty Ltd
KHRQ	Karuah Hard Rock Quarry
MCC	MidCoast Council
NSW Planning	NSW Department of Planning, Housing and Infrastructure
Nearby Residents	Landholders and residents located within a 2 km radius of the site.
PIRMP	KHRQ Pollution Incident Response Management Plan
RF Act	NSW *Rural Fires Act 1997*
RFS	NSW Rural Fire Service

1.0 Introduction

1.1 Overview

Mountain Industries obtained approval to operate the Karuah Hard Rock Quarry (KHRQ) in 1997, with the site subsequently purchased by Hunter Quarries Pty Ltd (HQPL) in 2002. In October 2004, HQPL applied to the then Department of Infrastructure, Planning and Natural Resources (now known as the Department of Planning, Housing and Infrastructure – NSW Planning) for approval to expand the quarry into adjoining lands (the Stage 2 extraction area) to allow the extraction of further hard rock resources.

Development Consent, DA 265-10-2004, was granted for the KHRQ by the Minister for Infrastructure, Planning and Natural Resources on 03 June 2005. The approved development consisting of:

- implementing the remainder of the approved Stage 1 quarry operation;
- extending the quarry operations into the Stage 2 area;
- upgrading and using existing infrastructure on site;
- rehabilitating the site by re-contouring and revegetating exposed surfaces; and
- producing up to 500,000 tonnes of andesite product a year over the next 22 years.

1.2 Project Site

The KHRQ site is located approximately five kilometres north-east of the village of Karuah, NSW. The overall site covers an area of approximately 78.5 Ha across the following properties:

- Lot 21 DP 1024564 consisting of material processing and product stockpiling;
- Lot 11 DP 1024564 consisting of the Stage 2 extraction area; and
- Part Lot 12 DP 1024564 consisting of the Conservation Offset Area (COA).

Figure 1 and **Figure 2** illustrate the site within its broader regional context and site layouts respectively.

1.3 Purpose

This document has been prepared to provide HQPL with a consistent approach to the management of bushfire risk across the site; and sets out the minimum standards and processes to achieve this intended level of management. The Bushfire Management Plan (BfMP) applies only to the KHRQ site described in **Section 1.2** and illustrated in **Figure 2**.

1.4 Agency Consultation

This BfMP has been prepared in accordance with the requirements of the Development Consent, including the requirement for consultation with relevant agencies, including MidCoast Council (MCC, formerly Great Lakes Council) and the NSW Rural Fire Service (RFS).

2006 Consultation

Consultation was originally completed in 2006 as part of the development of the original BfMP by GSSE on behalf of HQPL with both MCC and the RFS, in particular in relation to any additional requirements imposed by the relevant local Bush Fire Management Committee (BFMC) or Bush Fire Risk Management Plan (BFRMP). However, no material comments were received relating to bushfire management were received.

2023 Consultation

In 2023, as part of the comprehensive review of the BfMP document, consultation with MCC and the RFS was re-conducted via email on 31 May 2023. Responses received are provided by **Appendix A** and **B** for each agency respectively, with outcomes as summarised below:

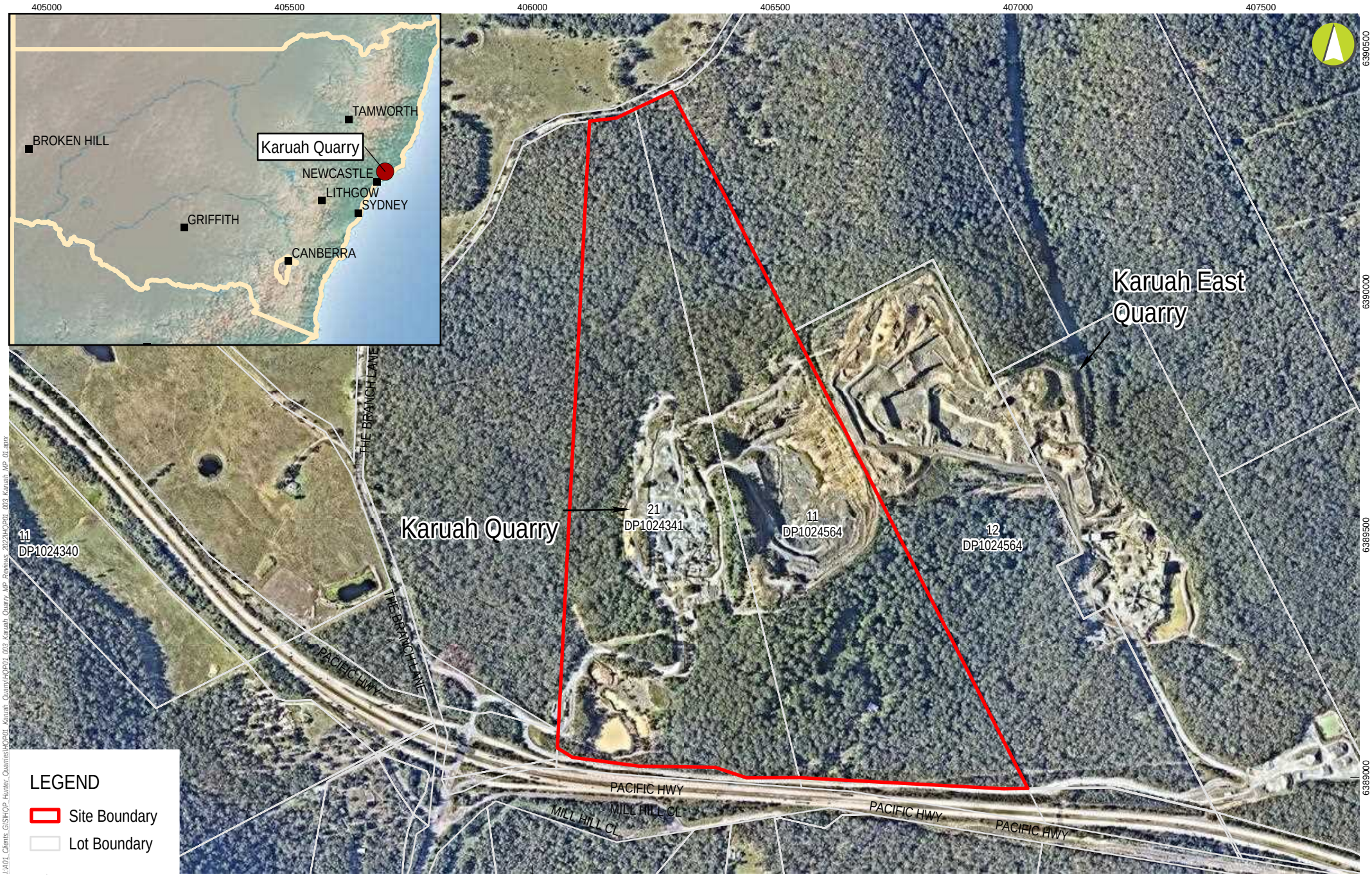
- 08 June 2023, MCC confirmed council staff had reviewed the document and had no additional commentary to provide.
- 05 July 2023, RFS Planning and Environment Services confirmed that the agency does not endorse developer management plans due to inadequate knowledge of the site and working environment. However, a number of general recommendations were made as summarised by **Table 1**.
- 07 July 2023, RFS Mid Coast District confirmed that the area office had reviewed the document and had no additional commentary to provide. However, a site meeting and tour was requested, which was conducted with relevant staff from the District Office and volunteers from the local Karuah and North Arm Cove brigades on 20 July 2023.

Table 1 Summary of the 2023 Consultation Round.

Agency	Agency Comments	HQPL Response
MidCoast Council	No comments.	–
RFS Planning & Environment Services	A site BfMP should include internal access, water supplies, location and types of hazardous materials.	**Figure 3** & **Section 3.3**
	The BfPM shall include risk mitigation strategies to protect life and assets from an impacting bushfire.	**Section 4.10**
	The BfPM shall include WH&S provisions for any attending fire fighters.	**Section 4.10**
	A copy of the plan should be kept on-site and available 24/7.	**Section 1.5**
	The NSW RFS would suggest that the BfMP have an Action Sheet that clearly sets out: ▪ In case of fire, call 000; ▪ the site environment; ▪ roles and responsibilities for staff when supporting fire agencies with fire suppression roles; ▪ Map of access, water, hazards; and ▪ Communication strategies across the site.	**Section 4.10**
RFS Mid Coast District Office	No comments.	–

1.5 Availability of the Bushfire Management Plan

A hardcopy of this BfMP will be kept on-site in key locations that are accessible for all site personnel. Additionally, a softcopy will also be uploaded and maintained on the Hunter Quarries website (https://hunterquarries.com.au/reporting/).



Karuah Hard Rock Quarry

Bushfire Management Plan

FIGURE 1 - Regional and Local Context Plan

Karuah Hard Rock Quarry

Bushfire Management Plan

FIGURE 2 - Locality Plan

2.0 Regulatory Requirements

2.1 Requirements of the Development Consent (DA 265-10-2004)

The requirements of the Development Consent are summarised by **Table 2**.

Table 2 Summary of Relevant Conditions of the Development Consent.

No	Requirements	Section
Schedule 3 – Specific Environmental Conditions		
Condition 36	*The Applicant shall:* *(a) ensure the development is suitably equipped to respond to any fires on-site; and*	**Section 4.7**
	(b) assist the Rural Fire Service and Emergency Services as much as possible as if there is a fire on-site; and	**Section 4.9**
	(c) within 6 months of the date of this consent, the Applicant shall prepare a conservation sensitive Bushfire Management Plan for the development, to the satisfaction of Council and the Rural Fire Service.	**Section 1.4**

2.2 Requirements of the NSW *Rural Fires Act 1997*

Section 63 of the *Rural Fires Act 1997* (RF Act) requires landowners to 'take practical steps' to prevent the occurrence of bushfires on, and to minimise the danger of the spread of bushfires on or from their land.

Additional requirements include the following of any notified steps as advised from the Bush Fire Coordinating Committee (or subordinate local Mid Coast BFMC) or steps listed in the local Mid Coast BFRMP.

For the purposes of this BfMP, the following objectives have been established:

- Minimise the risk of unplanned outbreak of fire occurring;
- Have mitigation measures in place to contain any fire outbreak;
- Have appropriately trained personal and firefighting equipment available to suppress localised fires;
- Have arrangements in place to communicate and coordinate actions with the NSW RFS in the event of any fire outbreak; and
- Investigate any occurrence of fire to identify the cause and to assess the effectiveness of BfMP in preventing and controlling the fire.

3.0 Key Bushfire Risks, Impacts and Issues

The majority of serious bushfires are started from legal but careless use of fire, at an average rate of double the rate of illegal fires. Other significant source of bushfires includes natural events, such as lightning.

Bushfires present potential impacts to life, property and the environment. The majority of the land surrounding the site is bushland, with the cleared area comprising of the previously mined area, active quarrying and production areas, and various access tracks typically consisting of single vehicle fire trails.

3.1 Life and Property

An uncontrolled bushfire outbreak within the bushland area has the potential to endanger the lives of quarry personnel, neighbouring residents and firefighters attending the fire. Similarly, uncontrolled bushfires have the potential to damage assets within and adjacent to the site (such as vehicles, machinery, crushers, fencing and buildings) and also assets on neighbouring properties (such as houses, fences, domestic constructions).

The EIS (Asquith & deWitt, 2004) for the KHRQ indicates that bushfire was not identified as a major issue and did not explicitly require the implementation of any Asset Protection Zones (APZ's). However, the nature of the development is such that there are substantially cleared areas around the infrastructure, water supply on site, and access paths around the site. Furthermore, there are no habitable buildings on site.

3.2 Environment

Bushfires also have the potential to impact the environment. Inappropriate fire regimes can lead to loss of particular flora and fauna species and communities. With respect to conservation aspects, bushfires can cause threatened fauna species to experience major habitat disruption. Terrestrial, aquatic and avian species can have their habitats burnt or transformed as a result of fires, including nesting/roost trees and terrestrial food sources. Aquatic habitats can also be heavily disturbed by increased sedimentation and water quality change to waterways. For this reason frequent fire has been listed as a 'key threatening process' by the NSW Scientific Committee under the Biodiversity Conservation Act 2016 (BC Act). Fire also creates bare soil and increased soil erosion, particularly on steep sites.

Vegetation at the site is open eucalypt forest on steep elevated land. Generally, more vegetation exists on the steep south facing slopes and some lower sections constitute closed forests which are well outside the operational quarry area. Dominant vegetation communities are Blue Gum Forest, Spotted Gum Ironbark Forest and Smooth-barked Apple. Generally, the understorey comprises a number of rainforest species, particularly the southern portion of Lot 11. The most previous bushfire passed through the site in 2002.

Refer to the KHRQ **Flora & Fauna Management Plan** (F&FMP) for further details of the site's conservation sensitive areas.

3.3 Hazardous Materials

A range of chemicals and substances are utilised and stored onsite for purposes which include diesel fuels, oils and lubricants for plant and equipment, with the storage locations illustrated on **Figure 3**.

Refer to the KHRQ **Pollution Incident Response Management Plan** (PIRMP) for further details and inventory of the site's hazardous materials.

Figure 3 Local of Potential Pollutants and Safety Equipment.

4.0 Mitigation and Management Measures

4.1 Annual Hazard Inspection

Annual inspections of the site will be undertaken in following the previous bushfire season to determine what actions are required to reduce fuel loads in the areas surrounding the Quarry in accordance with **Section 4.4**. This inspection and the subsequent outcomes will be undertaken and implemented prior to the start of the upcoming bushfire season (which typically occurs from October to March).

If considered necessary by HQPL, the RFS may be consulted to determine the most appropriate method of assessing the fuel load, and the level of fuel load that would warrant a hazard reduction burn. In general, fuel loads exceeding 8-10 t/ha are considered to pose a hazard. In addition to fuel loads, other considerations will include assessment of climatic condition (such as rainfall) for the preceding year, climate predictions, and any advice from the RFS.

The RFS offer assessments for sites that have an increased bushfire risk. Where appropriate, HQPL will consult with the RFS to ensure that the fuel load assessments are completed, and an appropriate hazard reduction strategy is employed on the site. Records of this consultation with the RFS will be maintained and stored in HQPL's electronic archives.

4.2 Asset Protection Zones

An Asset Protection Zone (APZ) is a fuel reduced area surrounding a built asset or structure, typically including residential buildings or major sheds for commercial, industrial, or farming purposes. Whilst there are no habitable buildings on site, there are structures on site that would benefit from an APZ, including site offices, weighbridge, workshop, and fuel storage areas.

For these structures an APZ of 20 m has been established, with the fuel load within the APZ reduced by "raking or manual removal of fine fuels" and "removal or pruning of trees, shrubs and understorey" in accordance with the methods contained in the RFS' *Standards for Asset Protection Zones*.

In addition to the APZ around the fuel storage, fuel will be stored in self-contained bunded structure in accordance with *Australian Standard – The storage and handling of flammable and combustible liquids* (AS 1940:2017).

4.3 Perimeter Fire Trails and Fire Breaks

Existing vehicle tracks within the site will also be maintained in a trafficable condition to allow vehicle movement during firefighting.

The Pacific Highway (as well as Andersite Road and Blue Rock Close) located to the south of the site acts as a substantial fire break to prevent fires coming from the south and the perimeter fire trails/powerline easements will also act as fire breaks for fires that could come from other directions. The Branch Lane acts as a fire break to the north and west of the site. A small track off Branch Lane allows some access to the northern sections of Lot 21 and Lot 11.

Figure 4 illustrates available firetrails across the total landholdings of the Karuah Quarry Complex.

Karuah Quarry Complex

Bushfire Management Plan

FIGURE 4 - Firetrail Plan

4.4 Hazard Reduction & Fire Regime

There are three main methods of hazard reduction, including:

- **Hand clearing**: raking up leaves, clippings, clearing out gutters.
- **Mechanical clearing**: mowing, slashing, ploughing, trittering, bulldozing, grading.
- **Burning**: pile burning, or "controlled" or "prescribed" burning which use fire to reduce the amount of flammable fuel.

If necessary, hazard reduction management such as cool burning of the bushland to reduce the fuel load will be undertaken. A hazard reduction burn would only be undertaken where there are heavy fuels loads that could support an uncontrolled bushfire and would be undertaken in consultation with the RFS.

In accordance with the RFS requirements, an environmental assessment would be undertaken prior to undertaking hazard reduction work. As part of the environmental approval for the hazard reduction a Bush Fire Hazard Reduction Certificate may be required. The following points should be taken into consideration, prior to undertaking any hazard reduction burning:

- Clearing of vegetation using mechanical methods should not be undertaken. As per recommendations from MCC, only sensitive hand clearing and controlled/prescribed burning within the appropriate ecological thresholds for particular vegetation communities should be used where necessary to reduce the fuel load within the Conservation Offset Area (COA).

- Any burning should be undertaken in accordance with the RFS *Standards for Low Intensity Bush Fire Hazard Reduction Burning* (for private landholders).

- Strategic rotational burning (mosaic burning) of portions of the bushland area should be used so that burning of the whole subject site in any burning event or three (3) year period is avoided.

- The burning regime should be managed such that overly frequent fires are avoided and in general, each portion of the BfMP area should not be subject to fire more often than once every ten (10) years.

- The avoidance of burns in the Tall Moist Forest (potential Asperula asthenes habitat) should have an adopted 25 – 30-year minimum bushfire interval in accordance with the RFS Environmental Assessment Code.

- Burning during the flowering period should be avoided.

Conservation Sensitive Areas

Bushfire management regimes should consider the ecological communities present on the subject site and the natural fire regime that this community is adapted to. There are some areas of the Blue Gum – Brushbox Forest that contains a highly mesic understorey comprising a number of rainforest species that are generally not adapted to fire. Therefore, when implementing management activities such as hazard reduction burns the sensitivity of these areas should be considered. Areas surrounding creek lines and gullies as a rule should not be included in bushfire hazard reduction activities, considering the ecological sensitivity of these areas.

Conservation sensitive areas (within the COA illustrated by in **Figure 2**) require prescriptive fire management methods. These sensitive areas consist of known Tetratheca juncea habitat and the Tall Moist Forest (potential habitat for Asperula athenes) habitat. The **F&FMP** contains the following recommendations for the management of these areas.

Black-eyed Susan (*Tetratheca juncea*)

For the areas for potential Black-eyed Susan habitat (generally aligning with Smooth-barked Apple Forest) an appropriate fire regime is required for the viability of the local population to promote germination of seeds, to maintain a diversity of flowering species which provide foraging for pollinators and to control competition with shrub species.

When planning any hazard reduction burns, the following criteria should be considered:

- **Fire Interval:** 7-years
- **Fire Intensity:** cool fire that is fast burning
- **Season:** After fruiting (i.e. Autumn)

Conservation Offset Area and Tall Moist Forest

It is recommended that bushfire management be implemented through a mosaic pattern of hazard reduction burns to limit the impacts of any wildfires on the areas of mesic vegetation (i.e. Tall Moist Forest) which will not be subject to direct hazard reduction burns.

The mosaic burn patterns will be limited small patches at a time, with a maximum of approximately 3 Ha in area, allowing adequate areas for threatened fauna species to find refuge during the burn event and subsequent regeneration.

in areas of mesic vegetation that are sensitive to bushfire impacts, whilst hazard reduction burns should be located within areas of Tall Moist Forest.

For the areas for potential Black-eyed Susan habitat (generally aligning with Smooth-barked Apple Forest) an appropriate fire regime is required for the viability of the local population to promote germination of seeds, to maintain a diversity of flowering species which provide foraging for pollinators and to control competition with shrub species.

When planning any hazard reduction burns, the following criteria should be considered:

- **Fire Interval:** 25 to 30-years (tall moist forest); 7-years (other areas)
- **Fire Intensity:** cool fire that is fast burning
- **Season:** Autumn – Winter

4.5 Electricity Transmission Line

Electricity transmission lines on site will be inspected, in accordance with requirements of Essential Energy, to ensure that the transmission lines are in good condition and that the vegetation has not grown high enough that it may come in contact with the transmission lines. This is routinely done by HQPL electrical safety contractors who act if a risk is present.

Additional verification inspections of transmission lines are routinely completed by Essential Energy.

4.6 Plant and Equipment Operations

Vehicle movement is restricted to designated vehicle routes and cleared areas within the site to minimise the potential for spark ignition. The operation of any equipment that may emit sparks or hot particles (such as welding, grinding, soldering or gas cutting) will generally be restricted to the cleared areas within the Quarry operations. Where the operation of such equipment is necessary within 20 metres of bushland it will be done in accordance with, the RFS Bushfire Safety Publication: *Equipment and Machinery in Bushfire Prone Areas* (dated 20 December 2004). Additionally, a Safe Work Permit, Hot Work Permit and Risk Assessment would be prepared by those undertaking works.

4.7 Firefighting Equipment and Water Supply

HQPL will maintain firefighting plant and equipment on-site to contain any small fire outbreaks and to assist firefighting crews in fighting fires where necessary. Available plant and equipment, include:

- Water storage dam (Sediment Dam 2) with a permanent fill point for tankers,
- 2x 15,000 L clean water tanks;
- Water tanker;
- Earth moving equipment (e.g., bulldozers, excavators);
- Fire extinguishers;
- Warning alarm siren; and
- Portable radios.

4.8 Staff Training

The HQPL Site Induction includes specific reference to emergency response procedures and contact lists as well as locations of the on-site firefighting plant and equipment. Evacuation from the site will be undertaken in accordance with the HQPL site safety plan (emergency muster point is shown in **Figure 3**). Emergency response procedures will include basic firefighting training so that they are able to provide a first response capability.

4.9 External Communication & Incident Management

Any outbreak of fire on site is to be immediately reported to the Quarry Manager. The Quarry Manager (or suitable delegate) is to make contact with emergency services where there is any risk that the outbreak cannot be contained with the land subject to the BfMP.

In accordance with Condition 36(b) of the Development Consent, HQPL will actively support and explicitly follow the directions of emergency services in the event of any incident or emergency event at the site.

HQPL will also make contact with the neighbouring residences to ensure that any bushfire response is coordinated with neighbours, via processes outlined in the PIRMP. **Section 6.0** outlines further reporting requirements.

4.10 Bushfire Emergency Response Plan

HQPL have developed a Bushfire Emergency Response Plan which covers the key actions to be undertaken during a bushfire emergency.

5.0 Bushfire Monitoring Measures

5.1 Ecological Monitoring

As per MCC's requirements an ecological monitoring schedule will be designed and adopted to sample and test for any positive and negative effects of actual fire regimes on the ecological condition and function of the offset area and habitats of conservation significance, particularly Tetratheca juncea habitats and Asperula asthenes habitat. The monitoring schedule has been designed considering the fire management requirements (where applicable) of the offset area and habitats of conservation significance stated in the KHRQ Flora and Fauna Management Plan.

The Environment & Development Manager (or suitable delegate) will also assess the bushfire hazard annually in accordance with **Section 4.1**. In accordance with MCC's requirements, any area identified to be affected by bushfire events and areas where controlled burns were conducted will be mapped digitally on GIS on an annual basis and will be reported in the AEMR.

Monitoring these areas will assist in determining the frequency of bushfires over specified land portions around the Quarry. Through digital mapping, a detailed and graphic picture of the land portions of and around the Quarry that are over-frequently burnt, under-frequently burnt or adequately managed for bushfire can be depicted. This monitoring approach will allow the Quarry Manager (or suitable delegate) and the relevant authorities to adapt to site conditions and implement bushfire management actions proactively and appropriately.

5.2 Review of Management Measures

The Quarry Manager and Environment & Development Manager (or suitable delegates) will regularly monitor the effectiveness of the mitigation and management measures, including:

- Level of training of staff, including the maintenance of a training register;
- Condition of firefighting equipment;
- Condition of water storage structures, the amount of water stored and the access for water supply;
- Condition of firebreaks, perimeter trails and internal fire trails;
- Condition of APZ around structures;
- Condition of electricity infrastructure corridors; and
- The effectiveness of the monitoring schedule.

6.0 Reporting

An annual statement on bushfire management activities will be included within the Annual Review (AR) to be submitted to the NSW Planning.

An incident report will be submitted to the RFS after any occurrence of bushfire which will include an assessment of the effectiveness of the BfMP.

This BfMP will be reviewed at a minimum of every five (5) years to assess its effectiveness. In addition, the plan will be reviewed after any occurrence of bushfire or if there is a significant variation to the quarry plan.

The BfMP will be revised to increase its effectiveness where any changes are recommended as a result of the review. Any material (i.e. non-administrative) amendments to the BfMP will be undertaken in consultation with MCC and the RFS.

7.0 Roles and Responsibilities

Table 3 summarises the key roles and responsibilities for environmental management across the site.

Table 3 Roles & Responsibilities for Bushfire Management

Position	Responsibility
Quarry Manager	▪ Implementation of this BfMP.
Quarry Supervisor and/or WHS Coordinator	▪ Have a working knowledge of this BfMP. ▪ Be aware of the statutory requirements in relation to bushfire management and take measures to ensure compliance. ▪ Coordinate bushfire-related incident investigations and reporting as required by legislation and internal standards and guidelines.
Environment & Development Manager (or suitable delegate)	▪ Coordinate the bushfire monitoring requirements of this plan. ▪ Evaluate and report monitoring outcomes as required. ▪ Coordinate the review of this BfMP plan.
All employees and contractors	▪ Comply with all requirements of this BfMP. ▪ Report all potential bushfire-related incidents to the Quarry Manager immediately. ▪ Seek approval from the Quarry Manager and Environment & Development Manager prior to making changes to infrastructure/processes which may result in increased bushfire risks.

8.0 References

- KHRQ Development Consent, DA 265-10-2004.
- KHRQ Flora and Fauna Management Plan;
- KHRQ Pollution Incident Response Management Plan;
- Proposed Hard Rock Quarry Extension Environmental Impact Statement (Volume 1 of 3) (Asquith & de Witt, October 2004);
- NSW Rural Fires Act 1997;
- Mid Coast Bush Fire Risk Management Plan (RFS Mid Coast Bush Fire Management Committee, 2025);
- Standards for Asset Protection Zones (Rural Fire Service);
- Planning for Bushfire Protection (NSW Rural Fire Service, November 2019);
- Standards for Low Intensity Bush Fire Hazard Reduction Burning (for private landholders) (NSW Rural Fire Service);
- Bushfire Safety Publication for Equipment & Machinery use in Bushfire Prone Areas (Rural Fire Service, 20 December 2004);
- Australian Standard AS 1940:2017 – The storage and handling of flammable and combustible liquids; and
- Australian Standard 1851-2012, Routine Service of Fire Protection Systems and Equipment.

Appendix A: Consultation with MidCoast Council

Scott Ellerton

From: Craig Wilkinson <Craig.Wilkinson@MidCoast.nsw.gov.au>
Sent: Thursday, 8 June 2023 9:45 AM
To: Mathew Radnidge
Cc: Bruce Moore
Subject: RE: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Hi Mat,

Thanks for sending this through for review. Council has reviewed the management plan and do not have any additional comments to provide at this stage.

Regards,
Craig.

Craig Wilkinson | Senior Development Planner

Direct (02) 7955 7576
Email Craig.Wilkinson@MidCoast.nsw.gov.au | midcoast.nsw.gov.au

MIDCOAST council

We deliver benefits for our community in a way that adds value and builds trust

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From: Mathew Radnidge <mathewr@adwjohnson.com.au>
Sent: Wednesday, 31 May 2023 12:57 PM
To: MidCoast Council <council@MidCoast.nsw.gov.au>
Cc: Craig Wilkinson <Craig.Wilkinson@MidCoast.nsw.gov.au>
Subject: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

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Click here if the original attachments are required (justification needed).

Good Afternoon.

(Hi Craig, I have Cc'd you into this email noting that you recently facilitated the pre DA meeting for the separate nearby Karuah Red Quarry proposal – I am hoping you might be able to pass this specific enquiry onto the relevant person at Council). Please note we have separately invited the NSW RFS to review and make comment.

I am assisting the owner and operator of the Karuah Quarry (Hunter Quarries Pty Ltd) with an update to its current Bushfire Management Plan (BMP).

The Karah Quarry is located at Lot 21 DP 1024341 and Lot 11 DP 1024564, Andersite Road, Karuah and is an operational State Significant Development that was approved by DA 265-10-2004 in June 2005.

The BMP was initially developed in 2006 in consultation with the NSW RFS, Mid Coast Council (formerly Great Lakes) and the NSW DPE and was subject to updates in 2020.

In accordance with Condition 36(b) of the Development Consent DA 265-10-2004 (attached), Hunter Quarries Pty Ltd invite Mid Coast Council to review and make any comment on the attached BMP. If you could confirm any comments by Tuesday 20 June 2023 that would be appreciated.

Please do not hesitate to contact me should you wish to discuss or have any questions.

Thankyou.

Regards,

Mat Radnidge
Senior Town Planner
Hunter Office
Ph: 02 4978 5100
Email : mathewr@adwjohnson.com.au
Website: www.adwjohnson.com.au

Appendix B: Consultation with the NSW Rural Fire Service

Scott Ellerton

From: Alan Bawden <Alan.Bawden@rfs.nsw.gov.au>
Sent: Wednesday, 5 July 2023 12:31 PM
To: Mathew Radnidge
Cc: Mid Coast District; Margaret Kitchner
Subject: FW: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan
Attachments: Final_Draft BfMP 260523.pdf; Hunter Quarry Consent.pdf

Hello Mathew

The 2005 consent states

BUSHFIRE MANAGEMENT

36. The Applicant shall:
    a) ensure that the development is suitably equipped to respond to any fires on-site; and
    b) assist the Rural Fire Service and Emergency Services as much as possible if there is a fire on-site.; and within 6 months of the date of this consent, the Applicant shall prepare a conservation sensitive Bushfire Management Plan for the development, to the satisfaction of Council and the Rural Fire Service.

The requirement for a Bushfire Management Plan to the satisfaction of the NSW RFS.
This is a condition imposed by the then Minister for Infrastructure, Planning and Natural Resources. It is not NSW RFS recommended condition.
The NSW RFS does not endorse developer BFMP as we do not have direct knowledge of the site and the working environment.
However, in this space, a site BFMP should include internal access, water supplies, location and type of hazardous materials.
Further the BFPM shall include risk mitigation strategies to protect life and assets from a impacting bushfire as well as WH&S provisions for any attending fire fighters.
A copy of the plan should be keep on site and available 24/7.

The NSW RFS would suggest that the BFMP have an Action sheet that clearly sets out

- In case of fire call 000
- the site environment;
- roles and responsibilities for staff when supporting fire agencies with fire suppression roles.
- Map of access, water, hazards;
- Communication strategies across the site.

Ultimately, the primary role of the BFMP is to ensure the safety of staff and attending fire fighters to the site.

Hope this is of assistance

Regards

Alan Bawden | **Development Assessment and Planning Supervisor** | **Planning & Environment Services - North**
NSW RURAL FIRE SERVICE
51 Moonee Street Coffs Harbour NSW 2450
P 02 6691 0400
www.rfs.nsw.gov.au | https://www.facebook.com/nswrfs | https://twitter.com/nswrfs
PREPARE. ACT. SURVIVE.

From: Mathew Radnidge <mathewr@adwjohnson.com.au>
Sent: Friday, 30 June 2023 1:04 PM
To: Planning & Environment Services <CustomerService.Centre@rfs.nsw.gov.au>; Records <Records@rfs.nsw.gov.au>
Cc: Alan Bawden <Alan.Bawden@rfs.nsw.gov.au>
Subject: FW: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Good Afternoon,

I am just following up on the below correspondence and whether the NSW RFS have any comments on the revised draft Bushfire Management Plan (attached)?

Thank you and have a good weekend.

Cheers.

Mat Radnidge
Senior Town Planner
Hunter Office
Ph: 02 4978 5100
Email : mathewr@adwjohnson.com.au
Website: www.adwjohnson.com.au

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Central Coast	**5 Pioneer Avenue, Tuggerah NSW 2259**	**Ph. 02 4305 4300**
Sydney	**Level 35 One International Towers, 100 Barangaroo Avenue, Sydney NSW 2000**	**Ph. 02 8046 7411**

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From: Mathew Radnidge
Sent: Wednesday, 31 May 2023 12:49 PM
To: CustomerService.Centre@rfs.nsw.gov.au; Records@rfs.nsw.gov.au
Cc: Alan Bawden <Alan.Bawden@rfs.nsw.gov.au>
Subject: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Good Afternoon.

(Hi Alan – I have Cc'd you in to this email noting that you recently provided comments on behalf of NSW RFS for the separate nearby Karuah Red Quarry proposal).

I am assisting the owner and operator of the Karuah Quarry (Hunter Quarries Pty Ltd) with an update to its current Bushfire Management Plan (BMP).

The Karah Quarry is located at Lot 21 DP 1024341 and Lot 11 DP 1024564, Andersite Road, Karuah and is an operational State Significant Development that was approved by DA 265-10-2004 in June 2005.

The BMP was initially developed in 2006 in consultation with the NSW RFS, Mid Coast Council (formerly Great Lakes) and the NSW DPE and was subject to updates in 2020.

In accordance with Condition 36(b) of the Development Consent DA 265-10-2004 (attached), Hunter Quarries Pty Ltd invite the RFS to review and make any comment on the attached BMP. If you could confirm any comments by Tuesday 20 June 2023 that would be appreciated.

Please do not hesitate to contact me should you wish to discuss or have any questions.

Thankyou.

Regards,

Mat Radnidge
Senior Town Planner
Hunter Office
Ph: 02 4978 5100
Email : mathewr@adwjohnson.com.au
Website: www.adwjohnson.com.au

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Scott Ellerton

From: Max Ryan <Max.Ryan@rfs.nsw.gov.au>
Sent: Friday, 7 July 2023 10:52 AM
To: Mathew Radnidge
Subject: RE: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Good morning Mathew

Our Area and District Office have reviewed the Plan and see no issue or need for comment.

We would however, be interested in meeting on site with a representative to gain a better understanding of the fire fighting capability and site familiarisation, if that could be arranged please.

Please contact myself should you have any enquiries.

Regards
Max

Inspector Max Ryan | District Coordinator | Mid Coast District
NSW RURAL FIRE SERVICE
PO Box 327 Taree 2430
P 1300 643262 **M** 0428 242748 **E** midcoast.district@rfs.nsw.gov.au
www.rfs.nsw.gov.au | www.facebook.com/nswrfs | www.twitter.com/nswrfs
PREPARE. ACT. SURVIVE.

From: Max Ryan
Sent: Wednesday, July 5, 2023 1:24 PM
To: mathewr@adwjohnson.com.au
Subject: FW: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Good afternoon Mathew

We have forwarded you request on to the Hunter Area Office for comment. Will be in touch as soon as we have a response.

Regards
Max

Inspector Max Ryan | District Coordinator | Mid Coast District
NSW RURAL FIRE SERVICE
PO Box 327 Taree 2430
P 1300 643262 **M** 0428 242748 **E** midcoast.district@rfs.nsw.gov.au
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PREPARE. ACT. SURVIVE.

From: Planning & Environment Services <CustomerService.Centre@rfs.nsw.gov.au>
Sent: Wednesday, July 5, 2023 8:49 AM
To: Mathew Radnidge <mathewr@adwjohnson.com.au>
Subject: FW: Karuah Quarry (DA265-10-2004) - Request for Comment on Revised Bushfire Management Plan

Hi Mathew

Apologies for the late response.

I have forwarded this email on to Mid Coast Fire Control Centre for response after discussing with Alan Bawden

Regards

Margaret Kitchner | **Administration Officer**
Planning and Environment Services - North
NSW RURAL FIRE SERVICE
51 Moonee Street, Coffs Harbour NSW 2450
P 02 6691 0400 **F** 02 6691 0499 **E** pes@rfs.nsw.gov.au
www.rfs.nsw.gov.au | www.facebook.com/nswrfs | www.twitter.com/nswrfs
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