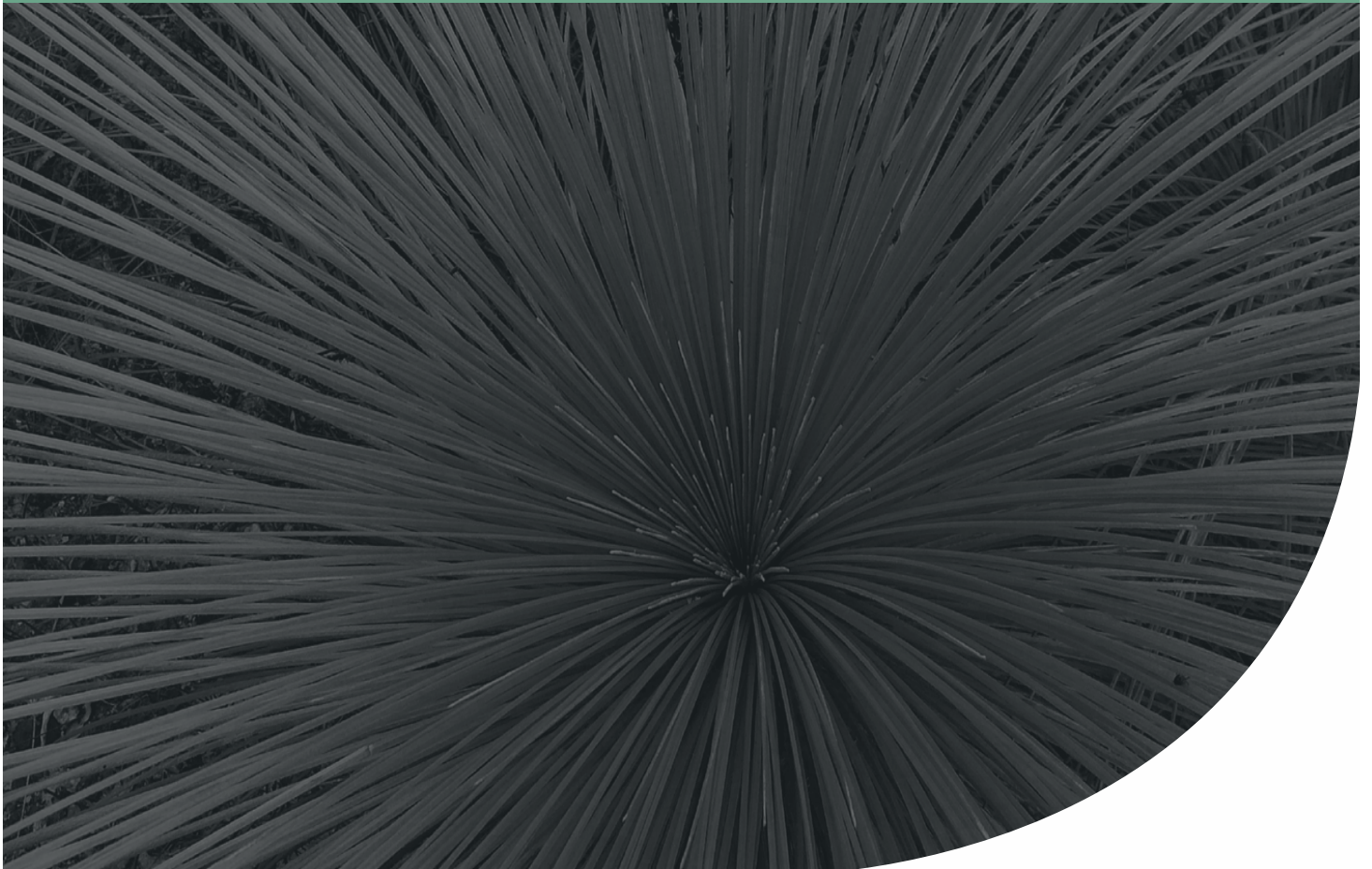


Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup

Project No: EP13-035(30)

**Prepared for Gold Right Pty Ltd
November 2023**



Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Document Control

| | | | | | |
|---|--------------------------|---------------|-----|--------------|-----|
| Doc name: Bushfire Attack Level Assessment Stage 5A Vista Estate, Karnup | | | | | |
| Doc no.: EP13-035(30)--080 PPS | | | | | |
| Version | Date | Author | | Reviewer | |
| 1 | November 2023 | Pascal Scholz | PPS | Kirsten Knox | KK |
| | | | | Anthony Rowe | AJR |
| | Report issued to client. | | | | |

Disclaimer:

This document has been prepared in good faith and is derived from sources believed to be reliable and accurate at the time of publication. Nevertheless, this publication is distributed on the terms and understanding that the author is not responsible for the results of any actions taken based on information in this publication or for any error in or omission from this publication.

The content of this document has been prepared primarily to consider the layout of the development or the appropriate building construction standard, where relevant. The measures outlined are considered to be prudent minimum standards only based on the relevant experience of the author and the standards prescribed by the relevant authorities. The level of implementation of the fire precautions achieved will depend upon the actions of the landowner or occupiers of the land and is not the responsibility of the author. The relevant local government and fire authority (i.e. Department of Fire and Emergency Services or local bushfire brigade) should be approached for guidance on preparing for and responding to a bushfire.

Notwithstanding the precautions adopted in this report, it should always be remembered that bushfires burn under a wide range of conditions. An element of risk, no matter how small always remains. The objective of the Australian Standard AS 3959-2018 is to "prescribe particular construction details for buildings to reduce the risk of ignition from a bushfire while the front passes" (Standards Australia 2018). Building to the standards outlined in AS 3959 does not guarantee a building will survive a bushfire or that lives will not be lost.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



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Appendices

Appendix A

BAL Assessment Certificate

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



List of Abbreviations

Table A1: Abbreviations – General terms

| General terms | |
|---------------|---|
| AHD | Australian Height Datum |
| APZ | Asset Protection Zone |
| AS 3959 | Australian Standard 3959-2018 Construction of buildings in bushfire prone areas |
| BAL | Bushfire Attack Level |
| BMP | Bushfire Management Plan |
| BPAD | Bushfire Planning and Design |
| FDI | Fire Danger Index |
| FZ | Flame Zone |

Table A2: Abbreviations – Organisations

| Organisations | |
|---------------|---|
| DFES | Department of Fire and Emergency Services |
| OBRM | Office of Bushfire Risk Management |
| WAPC | Western Australian Planning Commission |

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



1 Introduction

1.1 Background

This Bushfire Attack Level (BAL) Assessment has been prepared on behalf of Gold Right Pty Ltd (the proponent) to support the construction of dwellings (Class 1 buildings) within Stage 5A of the Vista Estate, Karnup (herein referred to as 'the site'). The site includes the development of 34 residential lots as shown, on **Figure 1**.

The site is located approximately 56 km south of the Perth Central Business District within the City of Rockingham and is shown in **Figure 1**. The site is bounded by residential development to the west and south (previous Karnup Estate development stages), Lot 3 Mandurah Road comprising native vegetation to the north, cleared land for future development stages (under the control of the proponent) and the Perth to Mandurah Railway Line to the east.

The site is partially identified as a 'bushfire prone area' under the state-wide *Map of Bush Fire Prone Areas* as prepared by the Office of Bushfire Risk Management (OBRM 2022), as shown in **Plate 1** below. Where a Class 1, Class 2, Class 3 or Class 10a building is proposed to be located in an area identified as 'bushfire prone area', a Bushfire Attack Level (BAL) assessment in accordance with *Australian Standard AS 3959 – 2018 Construction of buildings in bushfire prone areas* (Standards Australia 2018) (AS 3959) is required to support the relevant building permit application to determine any related construction requirements.

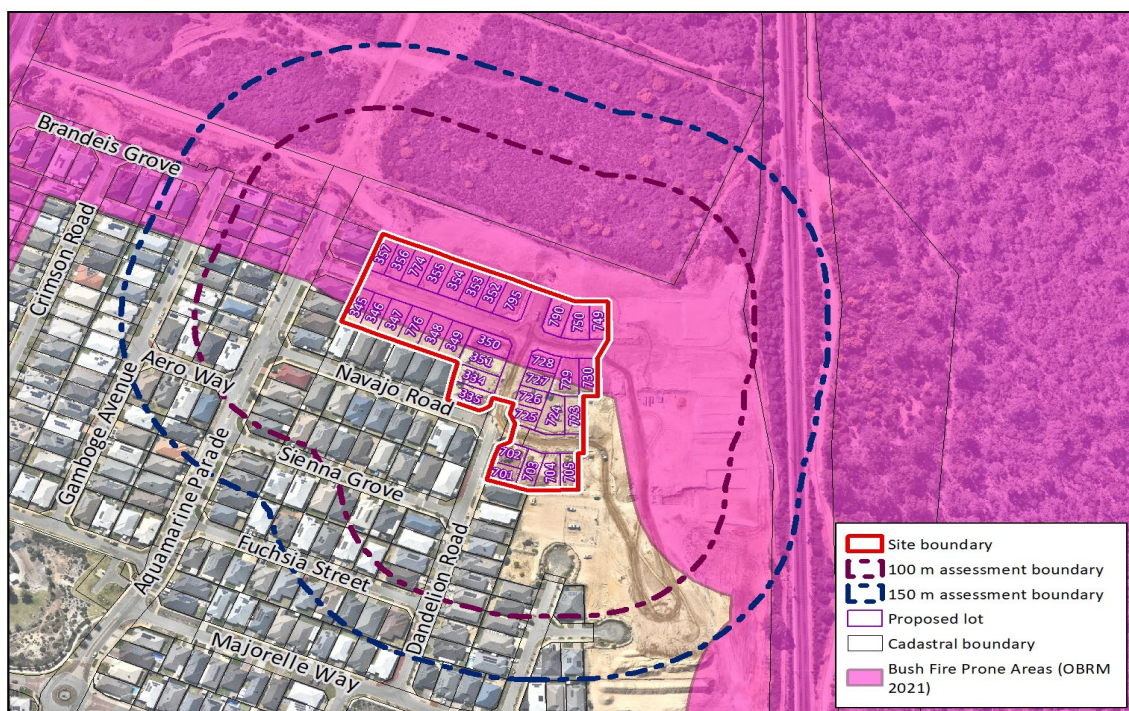


Plate 1: Areas within and surrounding the site identified as a 'bushfire prone area' (as indicated in purple) under the state-wide Map of Bush Fire Prone Areas (OBRM 2021).

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



1.2 Aim of this report

This BAL assessment aims to assess classified vegetation and effective slope in accordance with Method 1 of AS 3959 in order to determine the applicable BAL ratings for future habitable buildings within the site. It is based on identifying the lot as the 'building', given the specific building location within the lot is unknown. Distances are detailed within the BAL assessment where a different BAL rating could be achieved depending upon the final building location.

The outcomes of this assessment can be used to support the building permit application process.

1.3 Statutory policy and framework

The following key legislation, policies and guidelines are relevant to the preparation of a BAL assessment:

- *Planning and Development Act 2005* and Planning and Development (Local Planning Scheme Amendment) Regulations 2015
- *State Planning Policy 3.7 Planning in Bushfire Prone Areas* (SPP 3.7) (WAPC 2015)
- *Guidelines for Planning in Bushfire Prone Areas version 1.4* (the Guidelines) (WAPC and DFES 2021)
- *Australian Standard AS 3959 – 2018 Construction of buildings in bushfire prone areas* (AS 3959) (Standards Australia 2018).

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



2 BAL Assessment

A Method 1 BAL assessment has been completed for the site in accordance with AS 3959. This assessment considers the vegetation classification and effective slope for the site and surrounding 150 m to determine the applicable BAL ratings.

AS 3959 specifies requirements for the construction of buildings in bushfire-prone areas in order to improve their resistance to bushfire attack from embers, burning debris, radiant heat, flame contact, and combinations of these attack forms. It provides six BAL ratings: BAL-LOW, BAL-12.5, BAL-19, BAL-29, BAL-40 and BAL-FZ, based on the radiant heat flux thresholds from vegetation within 100 m of a building. Each BAL rating is associated with specific national construction requirements, which have been summarised in **Table 1** below.

It is relevant to note that while buildings constructed to increased standards under AS 3959 are more likely to survive a bushfire than buildings that do not conform to these construction standards, building survival is not guaranteed.

Table 1: Summary of BAL ratings, heat flux thresholds and associated construction standards, as outlined within AS 3959

| Bushfire Attack Level (BAL) | Classified vegetation within 100 m of the subject building and heat flux exposure thresholds | Description of the predicted bushfire attack and levels of exposure | Construction section (within AS 3959) |
|-----------------------------|--|--|---------------------------------------|
| BAL-LOW | See Section 2.2.3.2 of AS 3959 | There is insufficient risk to warrant specific construction requirements | 4 |
| BAL-12.5 | $\leq 12.5 \text{ kW/m}^2$ | Ember attack | 3 & 5 |
| BAL-19 | $> 12.5 \text{ kW/m}^2$ to $\leq 19 \text{ kW/m}^2$ | Increasing levels of ember attack and burning debris ignited by windborne embers blown together with increasing heat flux | 3 & 6 |
| BAL-29 | $> 19 \text{ kW/m}^2$ to $\leq 29 \text{ kW/m}^2$ | Increasing levels of ember attack and burning debris ignited by windborne embers blown together with increasing heat flux | 3 & 7 |
| BAL-40 | $> 29 \text{ kW/m}^2$ to $\leq 40 \text{ kW/m}^2$ | Increasing levels of ember attack and burning debris ignited by windborne embers blown together with the increased likelihood of exposure to flame | 3 & 8 |
| BAL-FZ | $> 40 \text{ kW/m}^2$ | Direct exposure to flames from fire front in addition to heat flux and ember attack | 3 & 9 |

Not all vegetation is a classified bushfire risk. Vegetation and ground surfaces that are exempt from classification as a potential hazard are identified as a low threat under Section 2.2.3.2 of AS 3959.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup

2.1 Assessment inputs

The classification of vegetation within the site and the surrounding 100 m has been undertaken in accordance with AS 3959. The assignment of vegetation classifications is based on Section 2.2.3 and Table 2.3 of AS 3959 and generally considers the various fuel layers of different vegetation types. For example, fuel layers in a typical forest environment can be broken down into five segments as illustrated in **Plate 2** below.

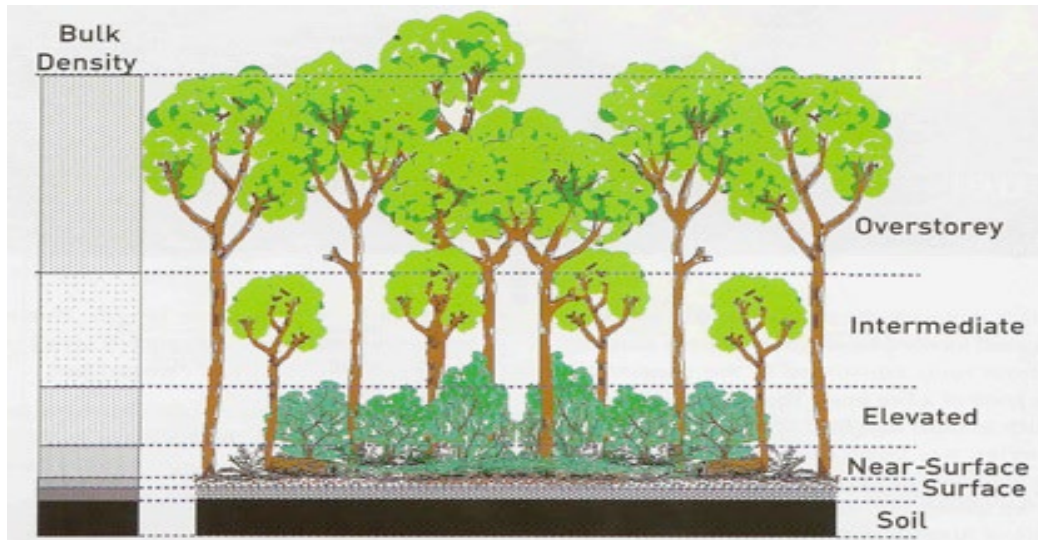


Plate 2: The fuel layers in a forest environment that could be associated with fire behaviour (Gould et al. 2007)

An assessment of existing vegetation within the site and surrounding 150 m was undertaken on 22 September 2023 in accordance with AS 3959. **Table 2** below outlines the determined vegetation classifications and associated effective slope and, where relevant, outlines the existing management practices that have informed the vegetation classification. The plots referenced in **Table 2** are also shown in **Figure 2**.

Vegetation has been cleared within the entirety of the site and the site's immediate vicinity to the north and east to enable future staged development. These areas currently comprising bare areas (mineral sand) and are under the control of the proponent. Native vegetation remains within 100 m of the site to the north within Lot 3 Mandurah Road.



Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup

2.1.1 Vegetation Classification

Each distinguishable vegetation plot with the potential to determine the BAL is identified in **Table 2** and shown in **Figure 2**.

Table 2: AS3959 Vegetation Classification (refer to **Figure 2**)

| | | | | |
|---|---|-----------|---|---|
| Plot: | 1 | Photo ID: | 1 |  |
| Vegetation classification or exclusion clause and effective slope | | | | |
| Class C - Shrubland (Flat/Upslope) | | | | |
| Description / Justification for Classification | | | | |
| Shrubland (Class C) vegetation was identified to the north of the site within the western portion of Lot 3 Mandurah Road. This vegetation is dominated by coastal shrubs generally between 1 m and 2 m in height with a greater than 30% foliage cover and dense understorey comprising a closed continuous fuel profile. This vegetation is assumed to remain post-development of the site. | | | | |
| Plot: | 2 | Photo ID: | 2 |  |
| Vegetation classification or exclusion clause and effective slope | | | | |
| Class D - Scrub (Downslope 5 – 10°) | | | | |
| Description / Justification for Classification | | | | |
| Scrub (Class D) vegetation was identified to the north of the site within the eastern portion of Lot 3 Mandurah Road, adjacent to the Perth to Mandurah railway. This vegetation is dominated by shrubs generally between 3 m and 4 m in height with a greater than 30% foliage cover and dense understorey comprising a closed continuous fuel profile. This vegetation is assumed to remain post-development of the site. | | | | |

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup




Table 2: AS3959 Vegetation Classification (refer to Figure 2)(continued)

| | | | | |
|---|---|-----------|---|---|
| Plot: | 4 | Photo ID: | 3 |  <p>-32°26'34", 115°46'11", -34.3m, 39° 22 Sept 2023 9:31:44 am</p> |
| Vegetation classification or exclusion clause and effective slope | | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | | |
| Description / Justification for Classification Non-vegetated areas for future residential development across the site have been excluded in accordance with clause 2.2.3.2(e) of AS 3959. This area will be maintained by the proponent until the lots are sold and after that will be maintained by the lot owners. | | | | |
| Plot: | 4 | Photo ID: | 4 |  <p>-32°26'36", 115°46'12", -10.0m, 96° 22 Sept 2023 9:16:51 am</p> |
| Vegetation classification or exclusion clause and effective slope | | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | | |
| Description / Justification for Classification Non-vegetated areas for future residential development across the site and adjacent Stage 5C (east of the site) have been excluded in accordance with clause 2.2.3.2(e) of AS 3959. This area will be maintained by the proponent until the lots are sold and after that will be maintained by the lot owners. | | | | |
| Plot | 4 | Photo ID: | 5 |  <p>-32°26'34", 115°46'12", -15.5m, 44° 22 Sept 2023 9:32:52 am</p> |
| Vegetation classification or exclusion clause and effective slope | | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | | |
| Description / Justification for Classification Roads currently under construction within the site (extension of Dandelion Road) have been excluded in accordance with clause 2.2.3.2(e) of AS 3959 as non-vegetated. These areas will remain low threat in accordance with Section 2.2.3.2 of AS 3959 as development is finalised and housing construction commences within the site. | | | | |

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup

Table 2: AS3959 Vegetation Classification (refer to Figure 2) (continued)

| | | | |
|---|---|-----------|---|
| Plot: | 4 | Photo ID: | 6 |
| Vegetation classification or exclusion clause and effective slope | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | |
| Description / Justification for Classification | | | |
| Roads currently under construction within the site (extension of Citrine Way) have been excluded in accordance with clause 2.2.3.2(e) of AS 3959 as non-vegetated. These areas will remain low threat in accordance with Section 2.2.3.2 of AS 3959 as development is finalised and housing construction commences within the site. | | | |
|  <p>-32°26'32", 115°46'11", -14.6m, 86° 22 Sept 2023 9:44:20 am</p> | | | |
| Plot: | 4 | Photo ID: | 7 |
| Vegetation classification or exclusion clause and effective slope | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | |
| Description / Justification for Classification | | | |
| View across the site and Stage 5C and 5B (background) comprising non-vegetated areas for future residential development have been excluded in accordance with clause 2.2.3.2(e) of AS 3959. This area will be maintained by the proponent until the lots are sold and after that will be maintained by the lot owners. | | | |
|  <p>-32°26'29", 115°46'10", -7.6m, 157° 22 Sept 2023 9:47:16 am</p> | | | |
| Plot: | 4 | Photo ID: | 8 |
| Vegetation classification or exclusion clause and effective slope | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | |
| Description / Justification for Classification | | | |
| Areas cleared of vegetation to the north-west of the site have been excluded in accordance with clause 2.2.3.2(e) of AS 3959. This area is being maintained by the proponent until future subdivision development is progressed (Stage 5D). | | | |
|  | | | |

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup

Table 2: AS3959 Vegetation Classification (refer to Figure 2) (continued)

| | | | |
|--|---|-----------|---|
| Plot: | 4 | Photo ID: | 9 |
| Vegetation classification or exclusion clause and effective slope | | | |
| Exclusion clause 2.2.3.2(e) (Non-vegetated) | | | |
| Description / Justification for Classification | | | |
| Non-vegetated areas to the south of the site (i.e. existing roads (Dandelion Road), footpaths and residential dwellings) have been excluded in accordance with clause 2.2.3.2(e) of AS 3959. | | | |



2.1.2 Assumptions

The BAL assessment includes the following assumptions:

- **Designated FDI:** 80
- **Flame temperature:** 1090 K
- **Vegetation classification:** as per **Table 2** and **Figure 2**), Class C Shrubland, Class D Scrub.
- **Effective slope beneath classified vegetation:** Flat/Upslope, Downslope 0-5°, Downslope 5-10° (see **Table 2** and **Figure 2**)

In addition to the above, the following key assumptions have informed this assessment:

- Existing classified shrubland (Class C) and scrub (Class D) vegetation within 100 m of the site identified external to the north of the site (within Lot 3 Mandurah Road) and outside of the proponent's landholdings is assumed to remain the same post-development of the site.
- Areas of low threat vegetation or non-vegetated areas identified within 100 m of titled lots where the land is under the control of the proponent will continue to be maintained in accordance with the existing maintenance regimes and will achieve low threat based on Section 2.2.3.2 of AS 3959, until future staged development is progressed. This excludes areas within 100 m of the site within Lot 3 to the north, as this lot is not under the ownership of the proponent.
- The site will be maintained in accordance with the City of Rockingham Fire Control Notice. Whilst the proponent owns subdivided lots and the balance of the development site, maintenance responsibility will remain with the proponent. Once subdivided lots are sold this requirement will then be with the new landowner.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



2.2 Assessment outputs

Based on the outcomes of the BAL assessment (shown in **Figure 3**):

- 21 lots are exposed to BAL-12.5
- 13 lots are exposed to BAL-LOW.

The BAL ratings for each lot are shown on **Figure 4**.

2.3 Construction of buildings and ongoing management

2.3.1 Construction of buildings

A BAL certificate detailing the BAL ratings for each lot have been provided in **Appendix A**. This includes a summary certificate and individual lot certificates. Either can be used to support the building licence process.

Only those buildings in a designated bushfire prone area (see **Plate 1**, or as updated by OBRM) are required to be constructed in accordance with AS 3959 and the determined BAL rating.

2.3.2 Ongoing management

All lot owners will be responsible for their own property and ensuring these are maintained to a low threat standard in accordance with Clause 2.2.3.2 (e) or (f) of AS 3959, as per the requirements of the City of Rockingham Fire Control Notice (as published). Advice on maintaining their property to a low threat standard can be provided by the City of Rockingham.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



3 Certification by Bushfire Consultant

3.1 Accreditation

This BAL assessment has been prepared by Emerge Associates who have been providing bushfire risk management advice for more than 10 years, undertaking detailed bushfire assessments (and associated approvals) to support the land use development industry. Emerge Associates have a number of team members who have undertaken Bushfire Planning and Design (BPAD) Level 1 and Level 2 training and are Fire Protection Association of Australia (FPAA) accredited practitioners (or are progressing).

Anthony Rowe is a FPAA Level 3 BPAD accredited practitioner (BPAD No. 36690) in accordance with clause 6.12 of the Guidelines.

3.2 Declaration

I declare that the information provided is true and correct to the best of my knowledge.

Signature:

A handwritten signature in black ink, appearing to read "Anthony Rowe", written over a light blue horizontal line.

Name: Anthony Rowe

Company: Envision Bushfire Protection/Emerge Associates

Date:

BPAD Accreditation: Level 3 BPAD no. 36690

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



4 References

4.1 General references

Standards Australia 2018, *AS 3959:2018 Construction of buildings in bushfire-prone areas*, Sydney.

Western Australian Planning Commission (WAPC) 2015, *State Planning Policy 3.7 Planning in Bushfire Prone Areas*, Perth.

Western Australian Planning Commission and Department of Fire and Emergency Services (WAPC and DFES) 2021, *Guidelines for Planning in Bushfire Prone Areas Version 1.4*, Western Australian Planning Commission, Western Australia.

4.2 Online references

Department of Water 2008, *LIDAR derived 1 m elevation contours* dataset, Government of Western Australia.

Office of Bushfire Risk Management (OBRM) 2022, Map of Bush Fire Prone Areas, viewed October 2023, <https://maps.slip.wa.gov.au/landgate/bushfireprone/>

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



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Figures

Figure 1: Site Location and Topographic Contours

Figure 2: AS 3959 Vegetation Classification and Effective Slope

Figure 3: Bushfire Attack Level Contour Plan

Figure 4: Bushfire Attack Level Ratings for Individual Lots

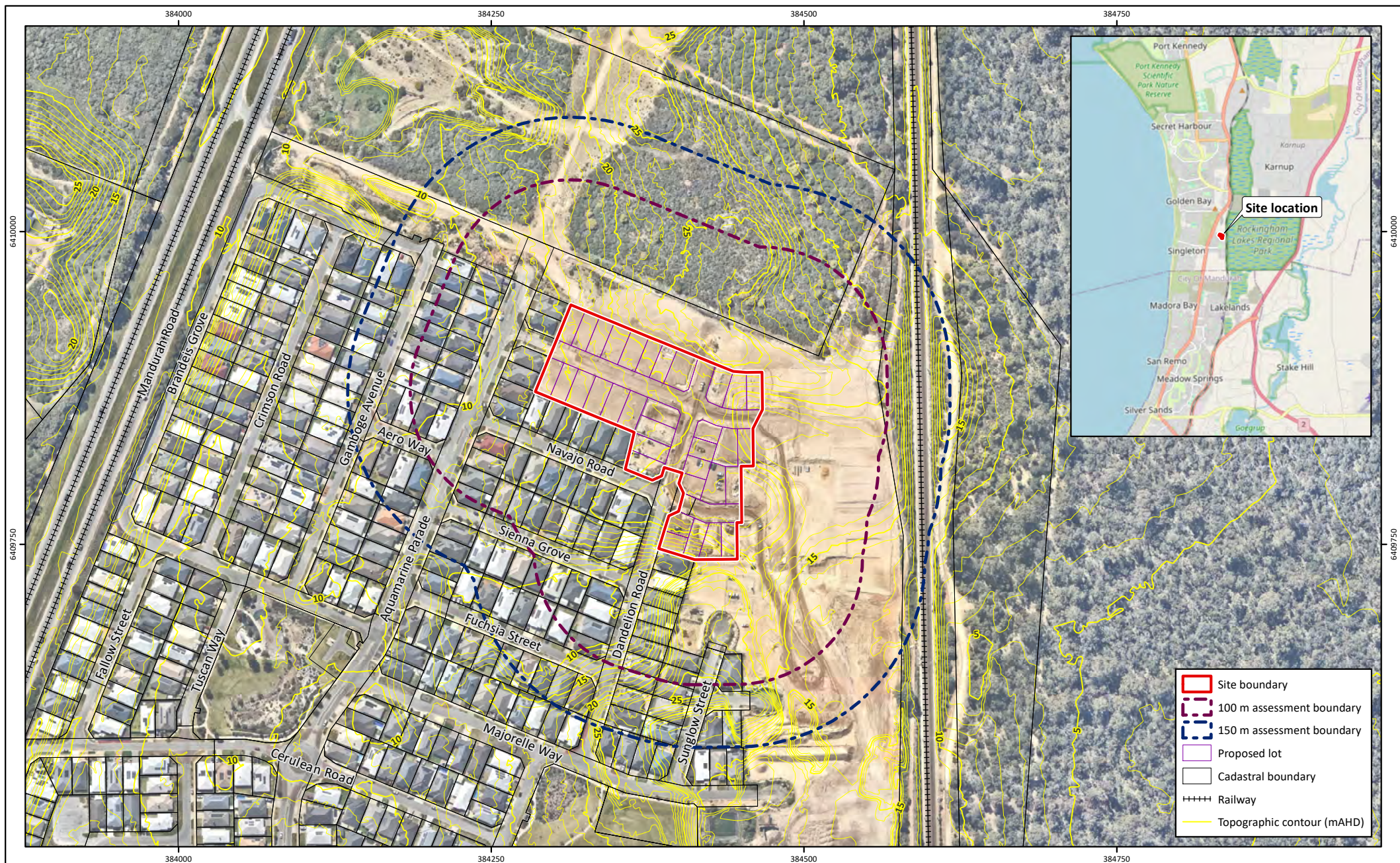


Figure 1: Site Location and Topographic Contours

Project: Bushfire Attack Level Assessment
Stage 5A Vista Estate, Karnup
Client: Gold Right Pty Ltd

Plan Number:
EP13-035(30)--F167
Drawn: WJC
Date: 30/10/2023
Checked: PPS
Approved: KK
Date: 23/11/2023



0 50 100 150
Metres
Scale: 1:4,000@A4
GDA 1994 MGA Zone 50

emerge
ASSOCIATES

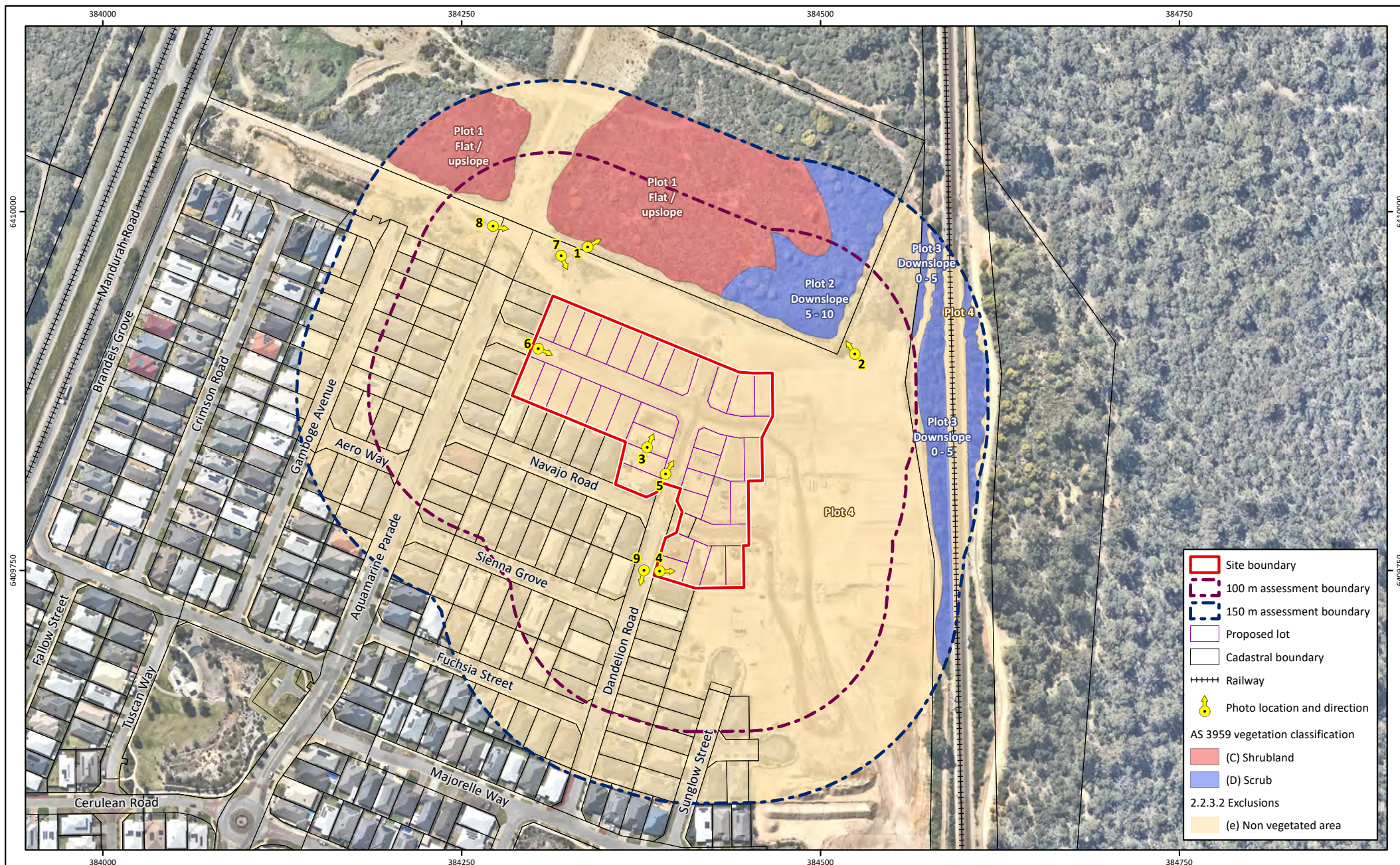


Figure 2: AS 3959 Vegetation Classification and Effective Slope

Project: Bushfire Attack Level Assessment
Stage 5A Vista Estate, Karnup

Client: Gold Right Pty Ltd

Plan Number:
EP13-035(30)--F168

Drawn: WJC

Date: 30/10/2023

Checked: PPS

Approved: KK

Date: 23/11/2023



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Metres

Scale: 1:3,500@A4

GDA 1994 MGA Zone 50

emerge
ASSOCIATES

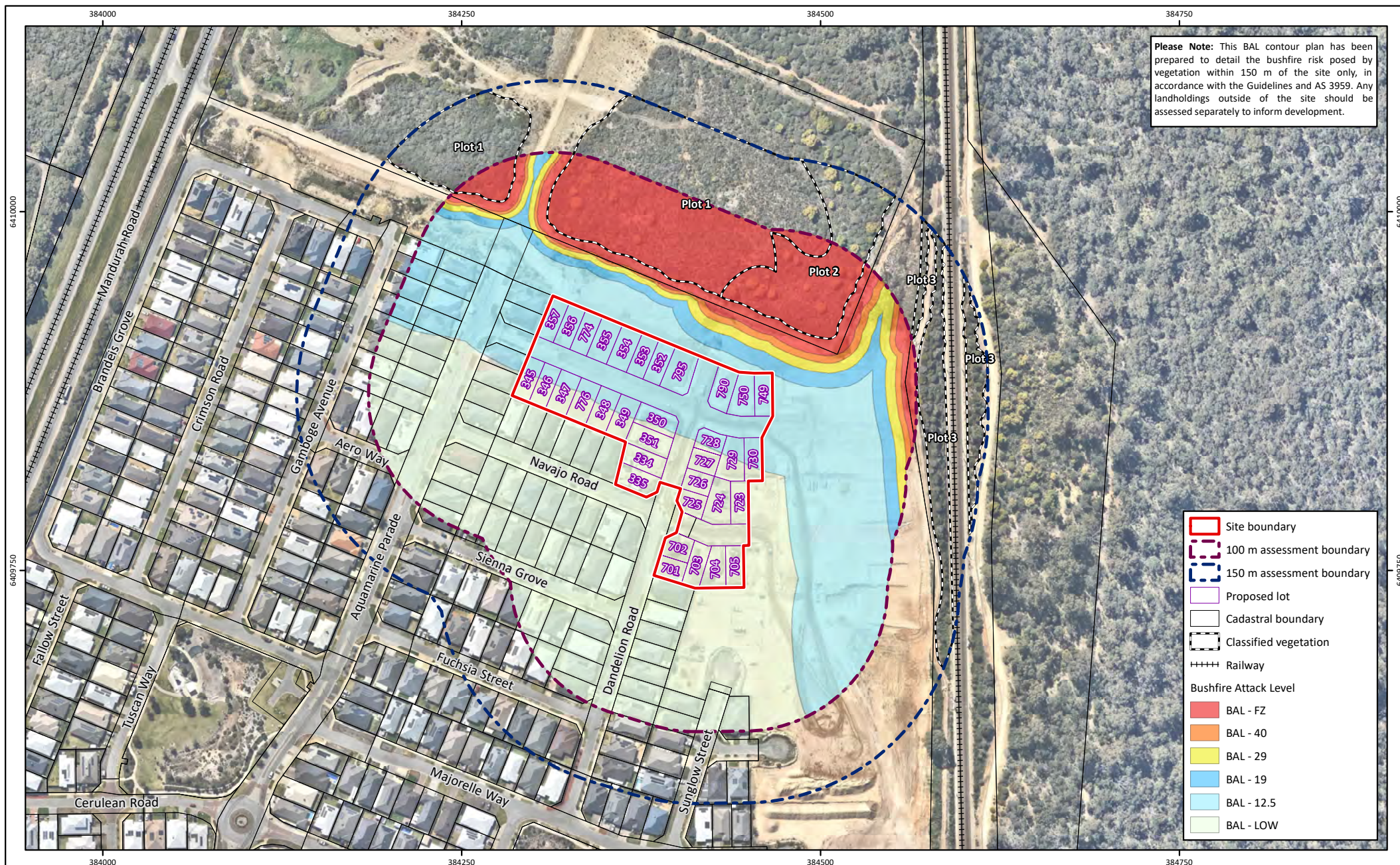


Figure 3: Bushfire Attack Level Contour Plan

Project: Bushfire Attack Level Assessment
Stage 5A Vista Estate, Karnup

Client: Gold Right Pty Ltd

Plan Number:
EP13-035(30)--F169

Drawn: WJC

Date: 30/10/2023

Checked: PPS

Approved: KK

Date: 23/11/2023



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Metres

Scale: 1:3,500@A4

GDA 1994 MGA Zone 50

emerge
ASSOCIATES

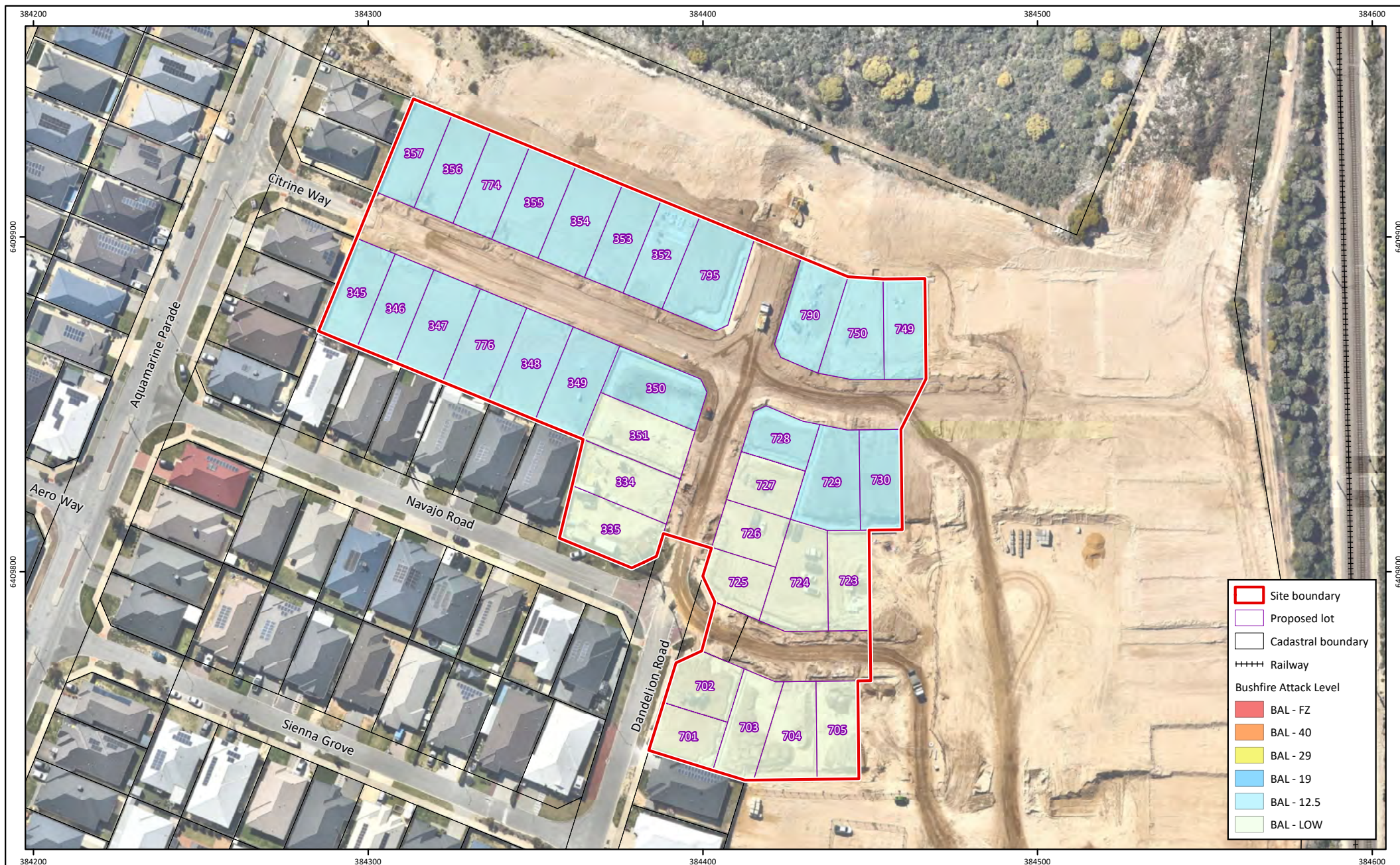


Figure 4: Bushfire Attack Level Ratings for Individual Lots

Project: Bushfire Attack Level Assessment
Stage 5A Vista Estate, Karnup
Client: Gold Right Pty Ltd

Plan Number:
EP13-035(30)--F170
Drawn: WJC
Date: 30/10/2023
Checked: PPS
Approved: KK
Date: 23/11/2023



0 20 40 60
Metres
Scale: 1:1,500@A4
GDA 1994 MGA Zone 50

emerge
ASSOCIATES

Appendix A

BAL Assessment Certificate

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



BUSHFIRE ATTACK LEVEL (BAL) CERTIFICATE

Determined in accordance with Australian Standard (AS) 3959-2018 Construction of buildings in bushfire prone areas

Site details

| | | | |
|-----------------------|---|----------------|-----------------------|
| Address | Stage 5A Vista Estate Karnup Lots 334 -335, 345 – 357, 701 – 705, 723 – 730, 749 – 750, 774, 776, 790 and 795 (deposited plan 424541) | | |
| Suburb | Karnup | State | WA |
| Local government area | City of Rockingham | | |
| Date of assessment | 22 September 2023 | Date of report | 24 November 2023 |
| Project no. | EP13-035(30) | Document no. | EP13-035(30)--079 PPS |

Determination of highest Bushfire Attack Level (BAL)

| Lot number | Classified vegetation and plot number | Distance of lot boundary from vegetation | Effective slope | Building BAL rating (see Figure 4) | Exceptions/notes for building BAL rating |
|------------|---|--|-----------------|------------------------------------|--|
| 334 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 335 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 345 | Plot 1 – Shrubland | 87.5 m | Flat/Upslope | BAL-12.5 | N/A |
| 346 | Plot 1 – Shrubland | 88.5 m | Flat/Upslope | BAL-12.5 | N/A |
| 347 | Plot 1 – Shrubland | 89 m | Flat/Upslope | BAL-12.5 | N/A |
| 348 | Plot 1 – Shrubland | 87 m | Flat/Upslope | BAL-12.5 | N/A |
| 349 | Plot 1 – Shrubland | 87 m | Flat/Upslope | BAL-12.5 | N/A |
| 350 | Plot 1 – Shrubland | 88 m | Flat/Upslope | BAL-12.5 | N/A |
| 351 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 352 | Plot 1 – Shrubland | 42.5 m | Flat/Upslope | BAL-12.5 | N/A |
| 353 | Plot 1 – Shrubland | 42 m | Flat/Upslope | BAL-12.5 | N/A |
| 354 | Plot 1 – Shrubland | 42 m | Flat/Upslope | BAL-12.5 | N/A |
| 355 | Plot 1 – Shrubland | 44.5 m | Flat/Upslope | BAL-12.5 | N/A |
| 356 | Plot 1 – Shrubland | 44 m | Flat/Upslope | BAL-12.5 | N/A |
| 357 | Plot 1 – Shrubland | 42.5 m | Flat/Upslope | BAL-12.5 | N/A |
| 701 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 702 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 703 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Determination of highest Bushfire Attack Level (BAL)

| Lot number | Classified vegetation and plot number | Distance of lot boundary from vegetation | Effective slope | Building BAL rating (see Figure 4) | Exceptions/notes for building BAL rating |
|------------|---|--|-----------------|------------------------------------|--|
| 704 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 705 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 723 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 724 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 725 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 726 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 727 | No classified vegetation identified within 100 m. | >100 m | Not applicable | BAL - LOW | Nil |
| 728 | Plot 2 – Scrub | 88 m | Downslope 5-10 | BAL-12.5 | N/A |
| 729 | Plot 2 – Scrub | 83.5 m | Downslope 5-10 | BAL-12.5 | N/A |
| 730 | Plot 2 – Scrub | 78.5 m | Downslope 5-10 | BAL-12.5 | N/A |
| 749 | Plot 2 – Scrub | 35 m | Downslope 5-10 | BAL-12.5 | N/A |
| 750 | Plot 2 – Scrub | 40.5 m | Downslope 5-10 | BAL-12.5 | N/A |
| 774 | Plot 1 – Shrubland | 44 m | Flat/Upslope | BAL-12.5 | N/A |
| 776 | Plot 1 – Shrubland | 88 m | Flat/Upslope | BAL-12.5 | N/A |
| 790 | Plot 2 – Scrub | 43.5 m | Downslope 5-10 | BAL-12.5 | N/A |
| 795 | Plot 2 – Scrub | 44 m | Downslope 5-10 | BAL-12.5 | N/A |

Section 3.5 of AS3959 would not be applicable as all lots achieve BAL-12.5 or BAL-LOW and shielding is only applicable where a BAL rating is greater than BAL-12.5.

Accreditation details

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of the National Construction Code and AS 3959-2018.

Signature:

Certificate date:

24 November 2023

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Individual BAL certificates



Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 334 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 335 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 345 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 87.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | | |
|--|--|---|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. | |
| | Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | | Signature:  Date: 24/11/2023 |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 346 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 88.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 347 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 89 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 348 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 87 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

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Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 349 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 87 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



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Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 350 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 88 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 351 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|---|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:  Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 352 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 42.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 353 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 42 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 354 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 42 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 355 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 44.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | | |
|--|---|---|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. | |
| | Signature: | |
| Company Details Envision Bushfire Protection/ Emerge Associates |  | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |  |
| Date: 24/11/2023 | | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 356 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 44 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | | |
|--|---|---|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. | |
| | Signature: | |
| Company Details Envision Bushfire Protection/ Emerge Associates |  | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |  |
| Date: 24/11/2023 | | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 357 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 42.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 701 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 702 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 703 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 704 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 705 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 723 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 724 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 725 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 726 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 727 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|--|-----------------|---------------------|-----------|
| Method 1 | No classified vegetation identified within 100 m | N/A | >100 m | BAL – LOW |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | I hereby declare that I am a BPAD accredited bushfire practitioner. Signature:   Date: 24/11/2023 |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 728 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 88 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 729 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 83.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 730 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|--------------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 78.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 749 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 35 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 750 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 40.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 774 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 44 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.

Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.



Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 776 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class C Shrubland | Flat/Upslope | 88 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p>  |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |

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Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 790 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 43.5 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



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Bushfire Attack Level Assessment

Stage 5A Vista Estate, Karnup



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.


Property Details and Description of Works

| | | | | | |
|--------------------------------------|--------------------|-----------|------------------------|---|------------------|
| Address Details | Unit no | Street no | Lot no 795 | Street name / Plan Reference Deposited Plan Ref 424541 | |
| | Suburb Karnup | | | State WA | Postcode 6176 |
| Local government area | City of Rockingham | | | | |
| Main BCA class of the building | N/A | | Use(s) of the building | N/A | |
| Description of the building or works | Single lot | | | | |

Determination of Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|------------------------------|---------------------------|-----------------|---------------------|------------|
| Method 1 | Class D Scrub | 5-10° Downslope | 44 m | BAL – 12.5 |

BPAD Accredited Practitioner Details

| | |
|--|--|
| Name Anthony Rowe Level 3 BPAD no. 36690 | <p>I hereby declare that I am a BPAD accredited bushfire practitioner.</p> <p>Signature:</p>  <p>Date: 24/11/2023</p> |
| Company Details Envision Bushfire Protection/ Emerge Associates | |
| I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 | |



Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required an updated certificate issued.