

AS 3959: 2018 Bushfire Attack Level (BAL) Assessment Report for Stage 8 Beenyup Grove Estate, Byford

Site Details

Address: Beenyup Grove Estate (Lots 431-435, 468, 497-502, 515-534 and 652)

Suburb: Byford, 6122 **State:** Western Australia

Local Government Area: Shire of Serpentine Jarrahdale

Description of building works: Residential development, future buildings

Report details

Report/Job number:	21PER-20840	Report version:	v2
Assessment date:	10/12/2021	Report date:	13/01/2022
Author:	Maitland Ely and Daniel Panickar	Review:	Daniel Panickar (BPAD Level 3-37802)



SITE ASSESSMENT AND SITE PLAN

The assessment of the subject lots was undertaken on 10 December 2021 for the purpose of determining the Bushfire Attack Level (BAL) in accordance with *Australian Standard AS 3959: 2018 Construction of Buildings in Bushfire Prone Areas (SA 2018) Simplified Procedure (Method 1)*. An overview of the site is presented in Figure 1.

VEGETATION CLASSIFICATION AND EFFECTIVE SLOPE

All vegetation and effective slope within 100 m of the 33 subject lots was classified in accordance with Clause 2.2.3 of AS 3959: 2018. Each distinguishable vegetation class with the potential to determine the BAL is identified below and presented in Figure 1.

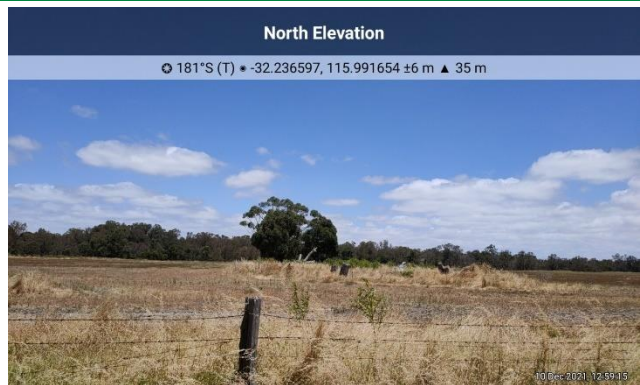
It is currently assumed that areas of landscaped vegetation within the site and assessment area will be managed and maintained by Parcel Property (the developer) until replaced by residential dwellings and associated infrastructure or handed over to the Shire of Serpentine Jarrahdale in the future.

Plot 1	Classification or Exclusion Clause	Class G Grassland
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Photo Point 1

This plot has is comprised of managed grassland south of Orton Road. ELA has adopted a conservative approach however, and classified this area as Class G Grassland.

Slope under vegetation was assessed as upslope/ flat land.



Plot 1	Classification or Exclusion Clause	Excluded – clause 2.2.3.2 (e) & (f)
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Photo Point 2

This plot has is comprised of managed grassland south of Orton Road. ELA has adopted a conservative approach however, and classified this area as Class G Grassland.

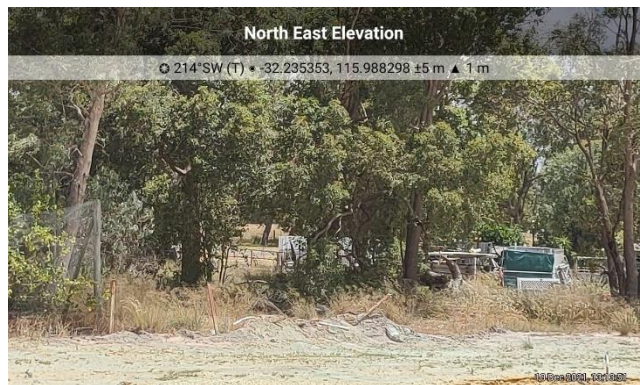
Slope under vegetation was assessed as upslope/ flat land.



Plot 2	Classification or Exclusion Clause	Excluded – clause 2.2.3.2 (e) & (f)
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Photo Point 3

This plot has been excluded under Clause 2.2.3.2 f) of AS 3959: 2018. This is a small area of unmanaged grass under a windbreak. Behind the windbreak is a managed, rural property.



Plot 2 Classification or Exclusion Clause

Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 4

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area that has been cleared for construction and development.

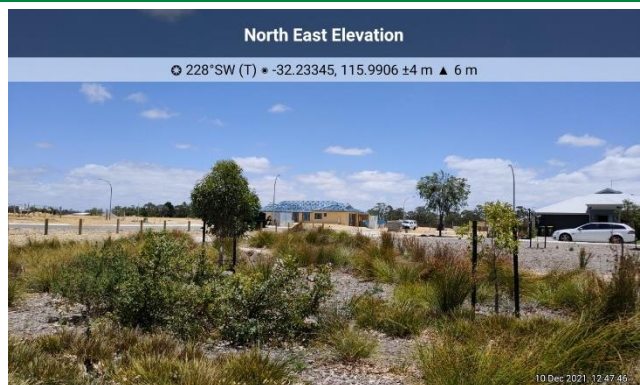


Plot 2 Classification or Exclusion Clause

Excluded – clause 2.2.3.2 (e) & (f)-

Photo Point 5

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area of low threat, maintained landscaping.



Plot 2 Classification or Exclusion Clause

Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 6

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area of low threat, maintained landscaping and a playground.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 7

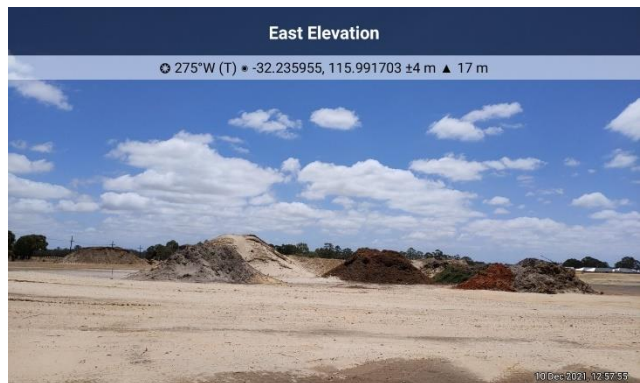
This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is a maintained adjacent property.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)-

Photo Point 8

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area that has been cleared for construction and development.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 9

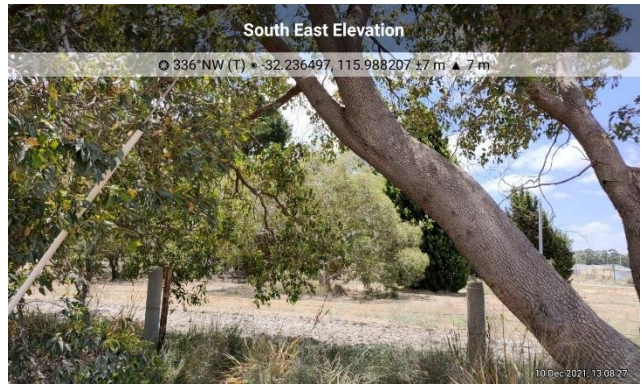
This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is a maintained adjacent property.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 10

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is a maintained adjacent property.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)-

Photo Point 11

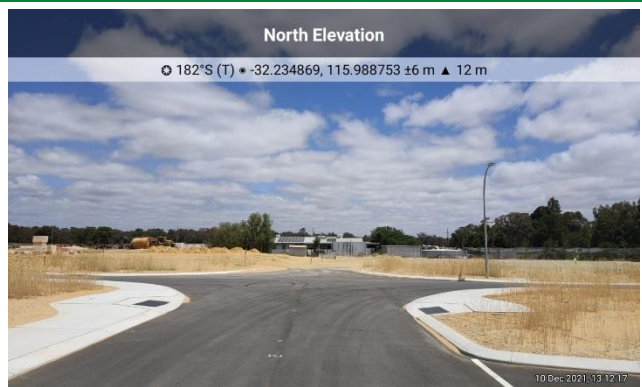
This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area that has been cleared for construction and development.



Plot 2 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 12

This plot has been excluded under Clause 2.2.3.2 (e) and (f) of AS 3959: 2018. This is an area that has been cleared for construction and development.



RELEVANT FIRE DANGER INDEX

The fire danger index (FDI) for this site has been determined in accordance with Table 2.1 of AS 3959: 2018. The FDI for WA is FDI 80.

Relevant Fire Danger Index			
FDI 40 <input type="checkbox"/>	FDI 50 <input type="checkbox"/>	FDI 80 <input checked="" type="checkbox"/>	FDI 100 <input type="checkbox"/>
<i>Table 2.4.5</i>	<i>Table 2.4.4</i>	<i>Table 2.4.3</i>	<i>Table 2.4.2</i>

POTENTIAL BUSHFIRE IMPACTS

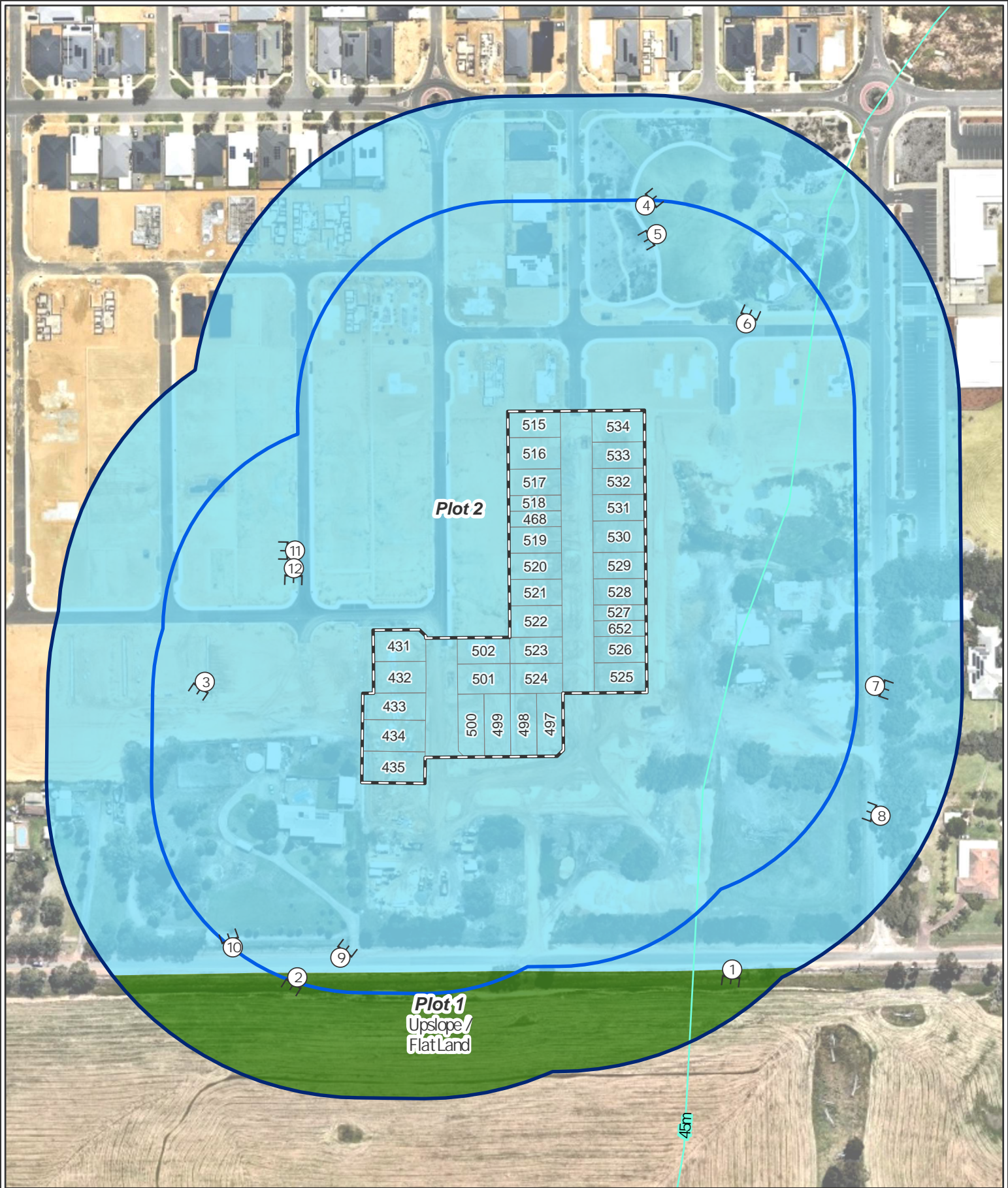
The potential bushfire impact to the site / proposed development from each of the identified vegetation plots are identified below, Table 1 and Figure 1.

Table 1: BAL Analysis AS 3959: 2018

Plot	Vegetation Classification	Effective Slope	Separation distances required				
			BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
1	Excluded under Clause 2.2.3.2 (e) & (f)	N/A	No separation distances required – BAL-LOW				

DETERMINED BUSHFIRE ATTACK LEVEL (BAL)

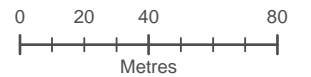
The determined Bushfire Attack Level (highest BAL) for the 33 subject lots has been determined in accordance with Clause 2.2.6 of AS 3959: 2018 using relevant data from the site assessment shown in Figure 1 and Table 1. All lots within the site are subject to BAL ratings of **BAL-LOW**.



515	534
516	533
517	532
518	531
468	530
519	529
520	528
521	527
522	652
431	523
432	524
433	526
434	525
435	
502	
501	
500	
499	
498	
497	

Figure 1: Vegetation Classification

- Subject site
- 100m site assessment
- 150m site assessment
- Lot boundary
- Contour (5m)
- Photo location
- Vegetation classification**
- Class G grassland
- Excluded as per clause 2.2.3.2 (e) and (f)



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022

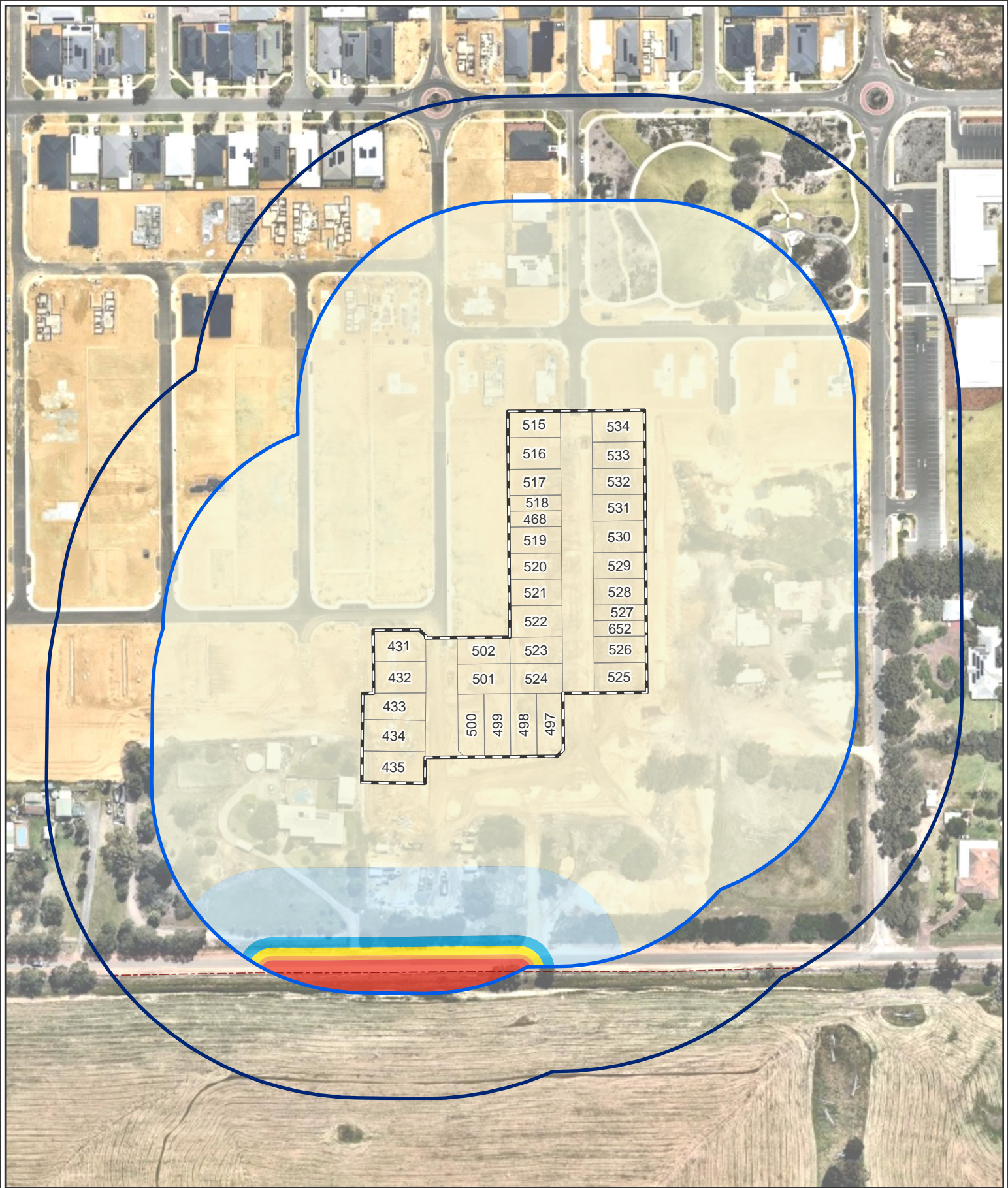
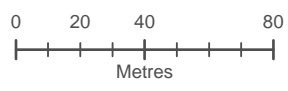


Figure 2: Bushfire Attack Level (BAL) Contours

- Subject site
- 100m site assessment
- 150m site assessment
- Lot boundary
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022

Appendix A – Additional Information / Advisory Notes

This assessment was undertaken as per AS 3959: 2018. It is important that the current version of AS 3959, is consulted for construction purposes.

This BAL rating is based on the information current at the date of this letter and is valid for 12 months from the date of this letter.

Bushfire Attack Level (BAL) as set out in the *Australian Standard 3959 Construction of Buildings in Bushfire-Prone Areas* (AS 3959), as referenced in the *Building Code of Australia*.

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

Source: “AS 3959: 2018 Construction of buildings in bushfire-prone areas” published by Standards Australia, Sydney

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 431, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









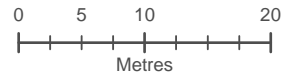
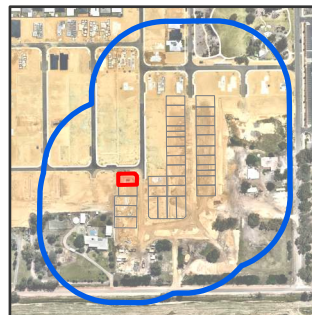
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 431 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 432, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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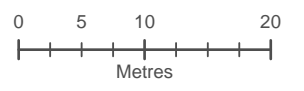
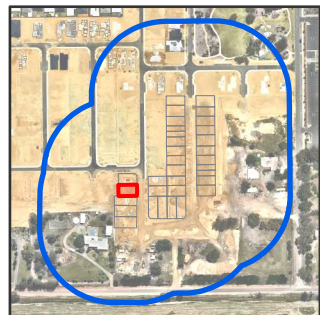
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 432 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 433, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

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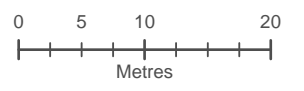
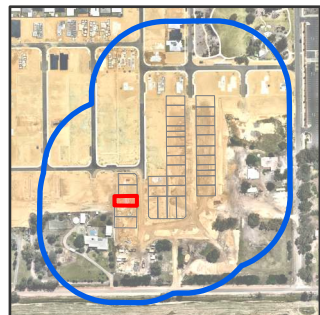
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 433 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 434, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Certificate Date: 13/01/2022









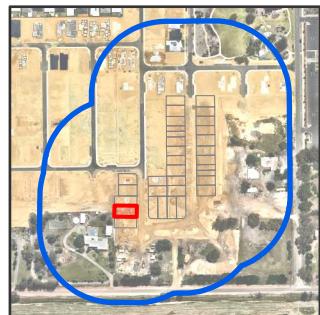
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 434 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 435, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Certificate Date: 13/01/2022









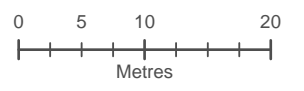
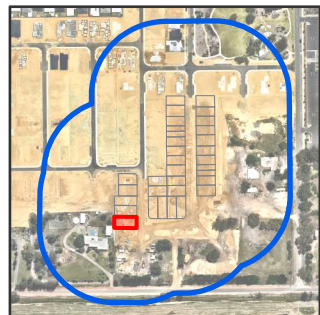
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 435 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 468, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



Accreditation No: BPAD 37802
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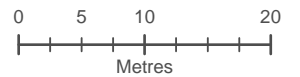
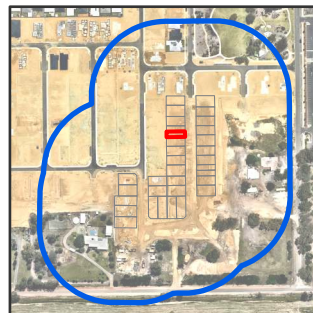


Bushfire Attack Level (BAL) Certificate - Lot 468 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

Bushfire Attack Level (BAL)

- BAL - FZ
- BAL - 40
- BAL - 29
- BAL - 19
- BAL - 12.5
- BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50

Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 497, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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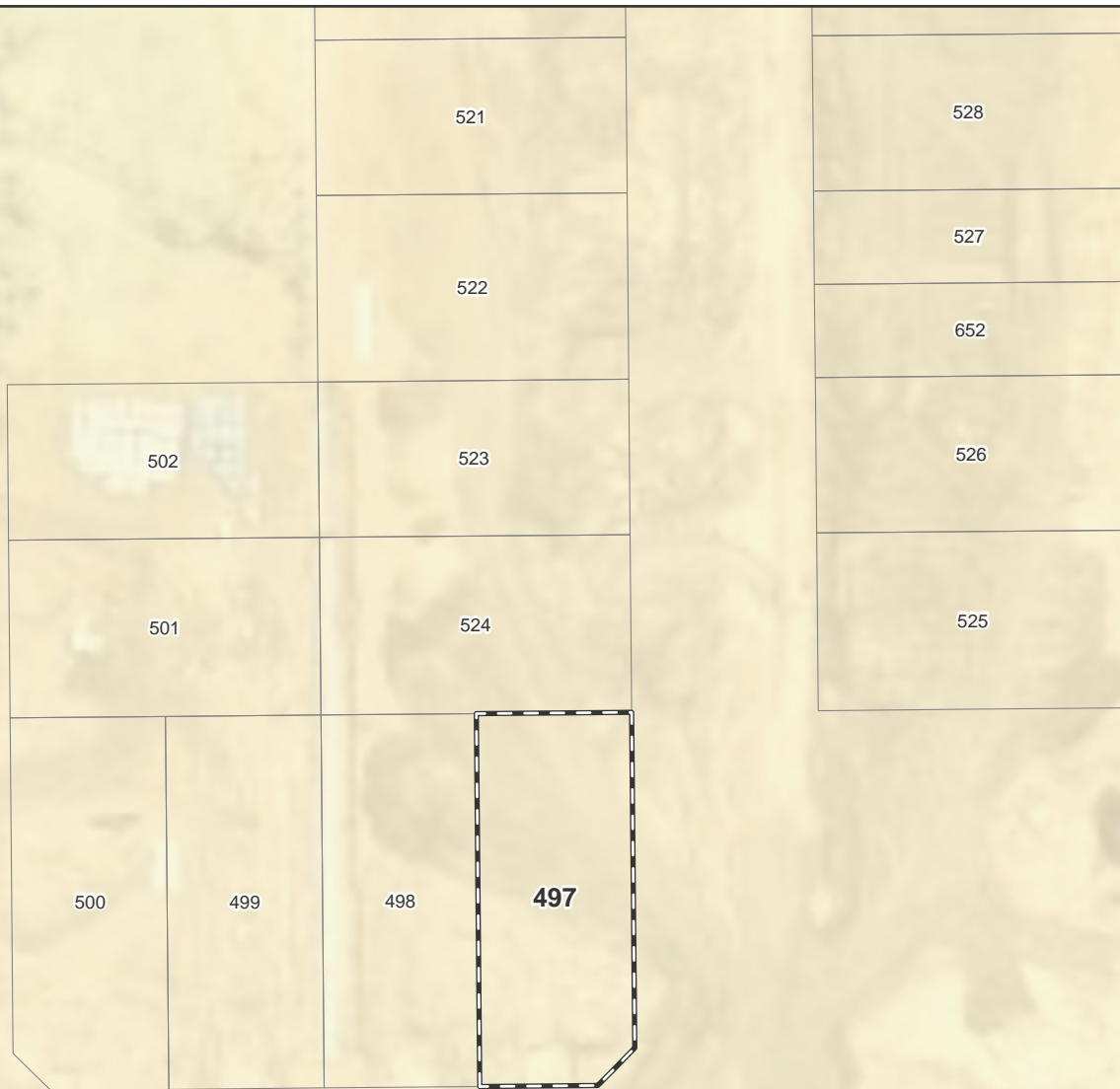
Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









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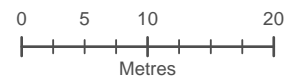
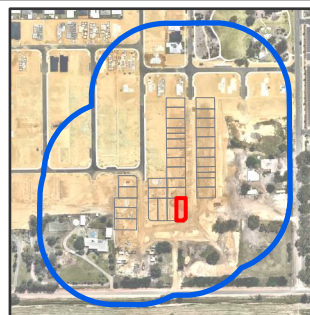


Bushfire Attack Level (BAL) Certificate - Lot 497 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

Bushfire Attack Level (BAL)

-  BAL - FZ
-  BAL - 40
-  BAL - 29
-  BAL - 19
-  BAL - 12.5
-  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50

Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 498, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









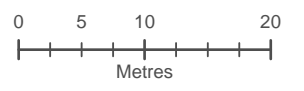
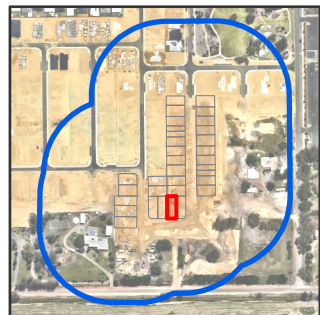
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 498 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 499, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



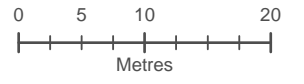
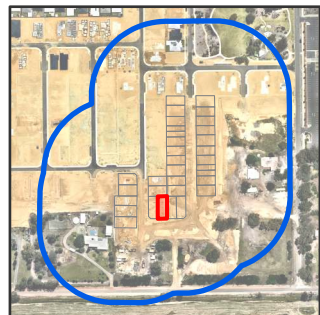
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 499 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 500, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









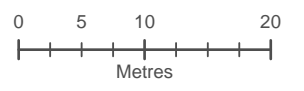
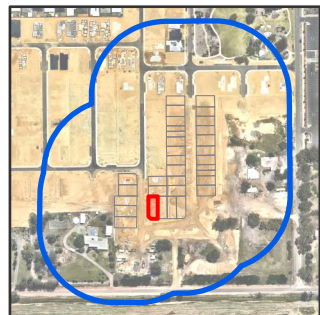
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 500 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 501, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



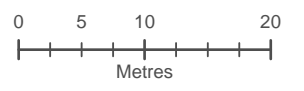
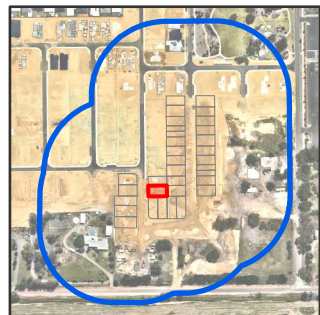
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 501 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 502, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



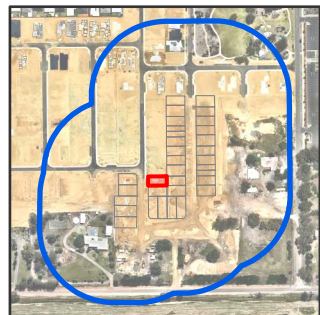
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 502 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 515, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









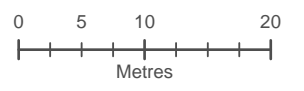
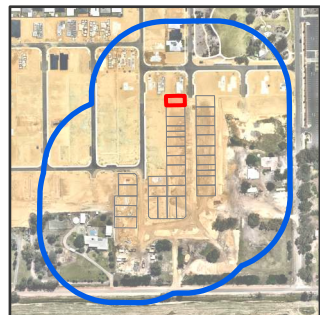
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 515 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 516, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



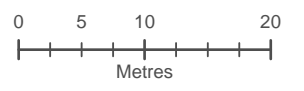
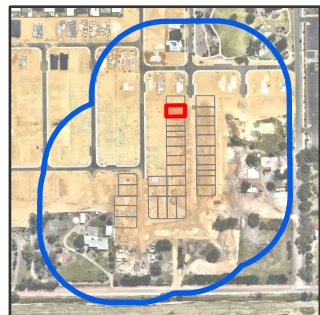
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 516 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 517, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



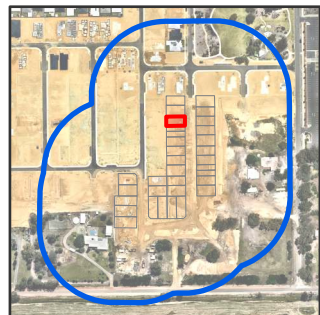
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 517 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 518, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



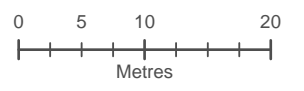
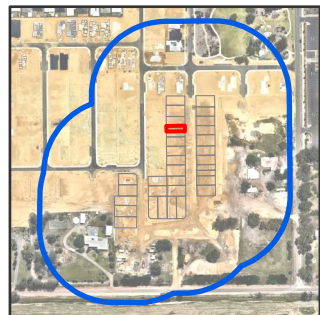
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 518 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 519, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









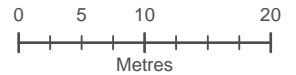
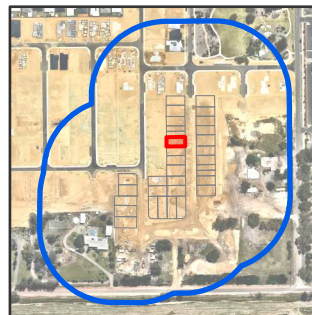
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 519 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 520, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









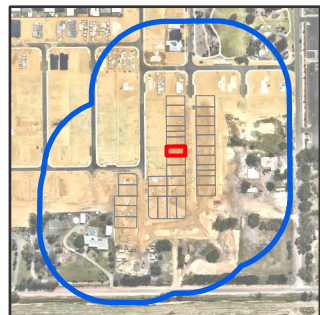
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 520 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 521, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









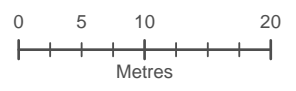
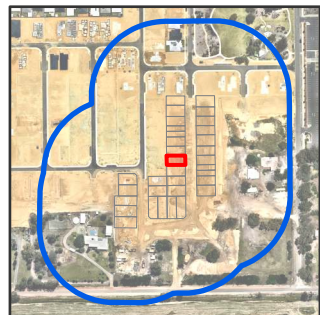
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 521 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 522, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









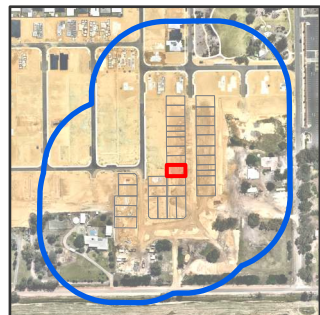
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 522 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 523, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



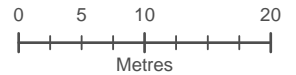
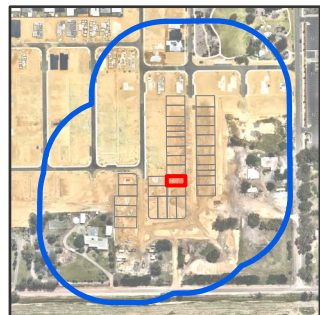
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 523 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 524, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



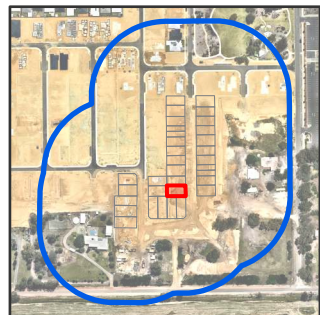
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 524 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 525, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



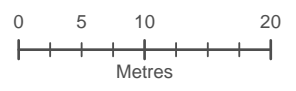
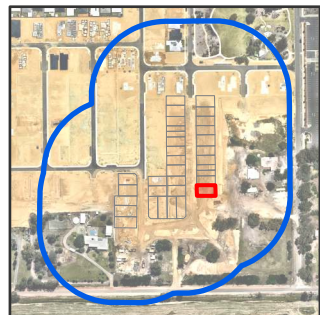
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 525 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 526, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









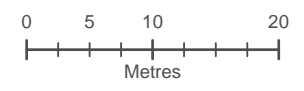
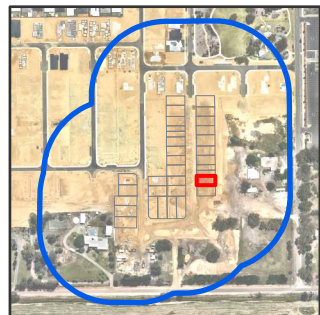
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 526 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 527, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









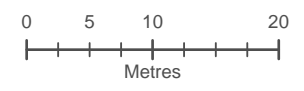
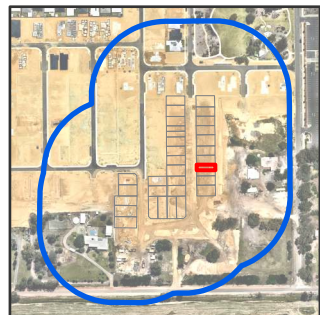
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 527 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 528, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









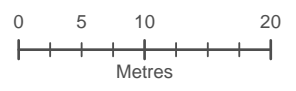
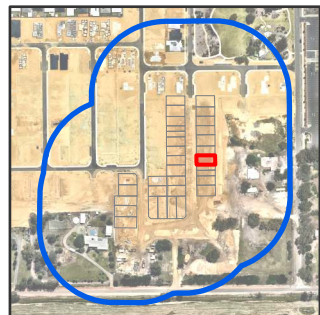
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 528 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 529, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









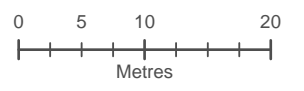
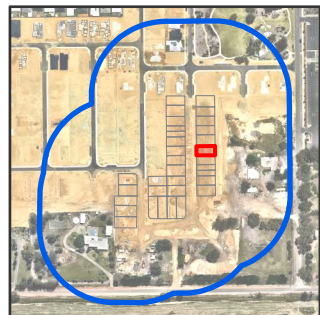
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 529 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 530, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









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Accreditation Expiry: December 2022

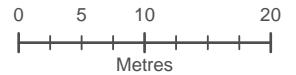
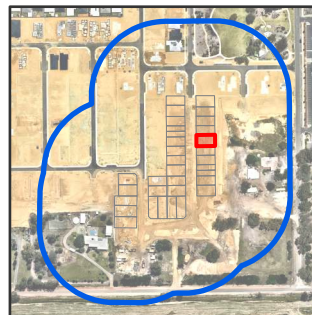


Bushfire Attack Level (BAL) Certificate - Lot 530 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

Bushfire Attack Level (BAL)

-  BAL - FZ
-  BAL - 40
-  BAL - 29
-  BAL - 19
-  BAL - 12.5
-  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 531, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









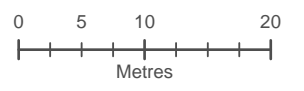
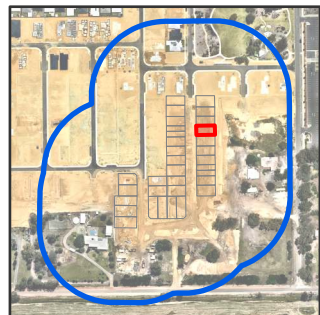
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 531 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 532, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner Details

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Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









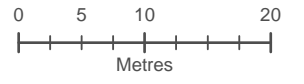
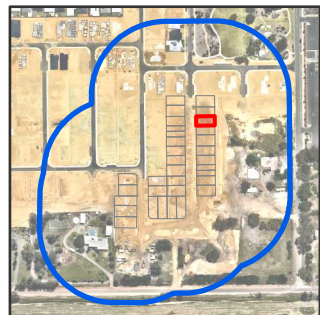
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 532 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 533, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



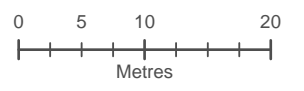
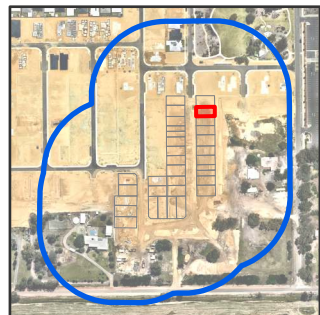
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 533 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 534, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 





Certificate Date: 13/01/2022









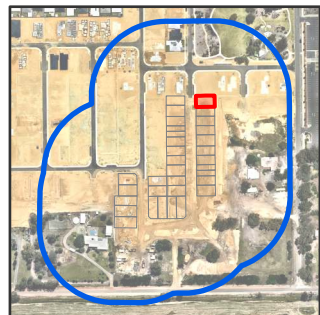
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 534 (BAL - LOW)

-  Lot boundary
-  100m site assessment
-  150m site assessment
-  Bushfire hazard interface

- Bushfire Attack Level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959: 2018

Site Details

Address:	Lot 652, Beenyup Grove Estate Stage 8		
Suburb:	Byford, 6122	State:	WA
Local Government Area:	Shire of Serpentine Jarrahdale		
Use of building	Residential Dwelling	Main BCA class:	Class 1a
Report / Job Number:	21PER-20840	Report Date:	13/01/2022

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	N/A	N/A	>100 m	BAL - LOW

Practitioner 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 AS 3959: 2018.

Name Daniel Panickar
Eco Logical Australia

Signature: 

Certificate Date: 13/01/2022



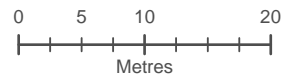
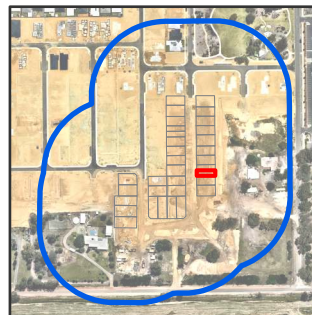
Accreditation No: BPAD 37802
Accreditation Expiry: December 2022



Bushfire Attack Level (BAL) Certificate - Lot 652 (BAL - LOW)

- Lot boundary
- 100m site assessment
- 150m site assessment
- Bushfire hazard interface

- Bushfire Attack Level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50
Project: 20840-SM Date: 13/01/2022

