

9 October 2020

Our ref: 16864

Parcel Property
Level 3/14 Walters Drive,
OSBORNE PARK,
WA 6017

Bushfire Attack Level (BAL) Assessment Report for Stages 4 and 5, Beenyup Grove Estate, Byford

Site Details

Address: Beenyup Grove Estate: (Lots 319-340, 382-385, 400-403, 418-424, 470, 511-514, 535-538, 558-561, 571-583, 594-600, 606, 637-640 and 658)

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:	20PER-16864	Report version:	v1
Assessment date:	8/10/2020	Report date:	9/10/2020
Author:	Stephen Moore and Daniel Panickar	Review:	Daniel Panickar (BPAD Level 3 – 37802)



SITE ASSESSMENT AND SITE PLAN

The assessment of the 76 subject lots was undertaken on 8 October 2020 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

All vegetation within 100 m of the 76 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 Excluded – clause 2.2.3.2 (e) & (f)

Photo Point 1
 This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2018. This is an area of low threat, maintained vegetation and footpaths.



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

Photo Point 2
 This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2018. This is an area that has been cleared for construction and will contain residential lots, roads and low threat, maintained vegetation.



Plot 1 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (f)

Photo Point 3
 This plot has been excluded under Clause 2.2.3.2 (f) of AS 3959-2018. This is an area of low threat, maintained grass.



Plot 1 Classification or Exclusion Clause Excluded – clause 2.2.3.2 (f)

Photo Point 4

This plot has been excluded under Clause 2.2.3.2 (f) of AS 3959-2018. This is an area of low threat, maintained grass.



Plot 1 Classification or Exclusion Clause Excluded under clause 2.2.3.2 (e) and (f)

Photo Point 5

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2018. This is an area that has been cleared for construction and will contain residential lots, roads and low threat, maintained vegetation.



Plot 3 Classification or Exclusion Clause Excluded under clause 2.2.3.2 (e) and (f)

Photo Point 6

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2018. This is an area that has been cleared for construction and will contain residential lots, roads and low threat, maintained vegetation.



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.

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

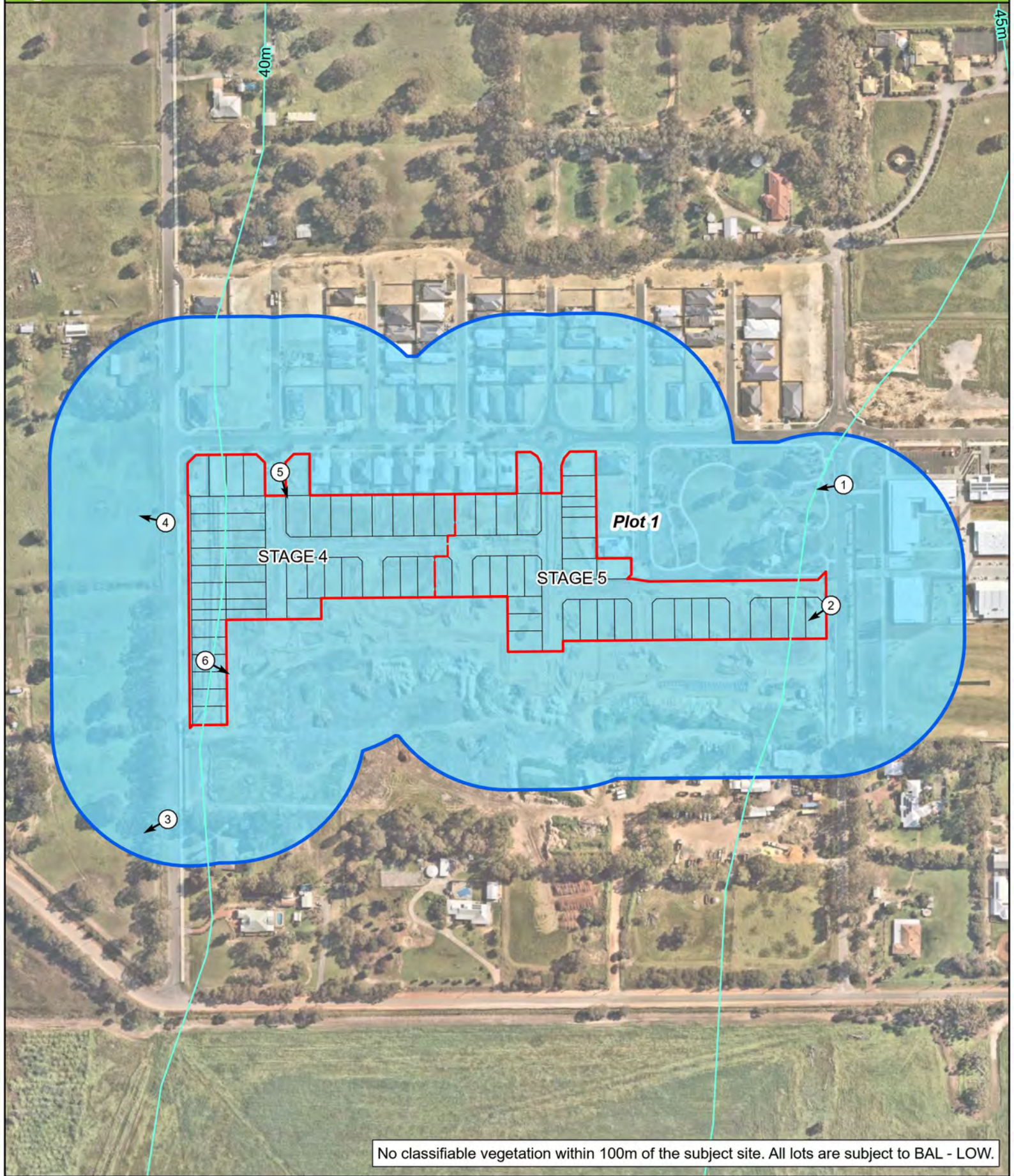
Plot	Vegetation Classification	Effective Slope	Separation distances required				
			BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
1	Excluded under Clause 2.2.3.2 (e) & (f)	N/A	No separation distances required – BAL-LOW				

DETERMINED BUSHFIRE ATTACK LEVEL (BAL)

The determined Bushfire Attack Level (highest BAL) for the site has been determined in accordance with Clause 2.2.6 of AS 3959-2018 using the above analysis. All lots within the site are subject to BAL ratings of **BAL-LOW**.

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

Figure 1: Vegetation Classification



No classifiable vegetation within 100m of the subject site. All lots are subject to BAL - LOW.

- Legend**
- Subject site
 - 100m site assessment
 - Stage boundary
 - Lot boundary
 - Contour (5m)

Photo location

Vegetation classification

- Excluded as per clause 2.2.3.2 (e) and (f)

0 25 50 100
Metres
Datum/Projection:
GDA 1994 MGA Zone 50



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Appendix A – Additional Information / Advisory Notes

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	≤12.5 kW/m ²	Ember attack	3 and 5
BAL-19	>12.5 kW/m ² ≤19 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 kW/m ² ≤29 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 kW/m ² ≤40 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 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 403, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020









Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 403 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 418, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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Eco Logical Australia

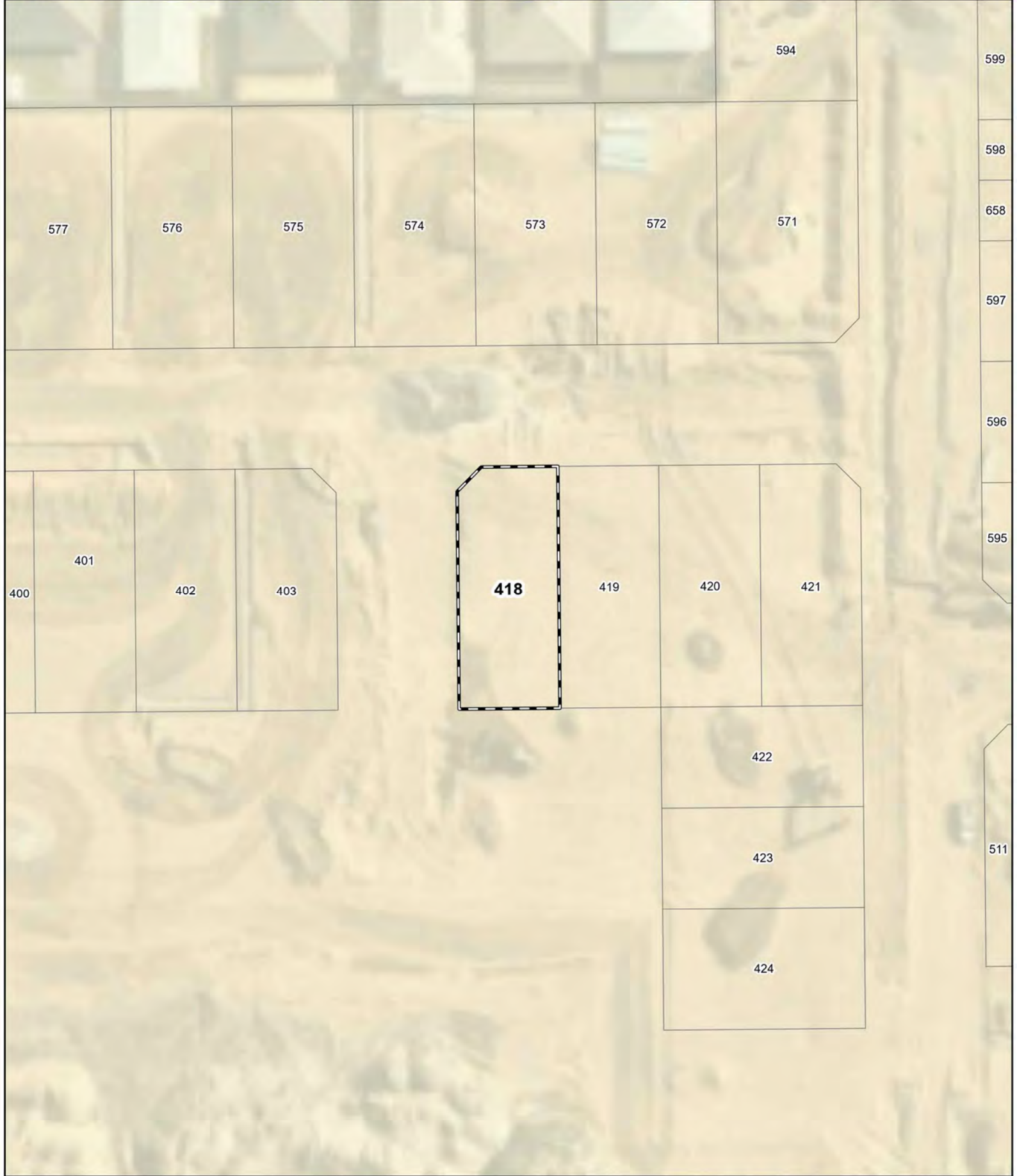
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Certificate Date: 09/10/2020









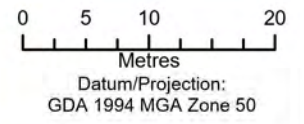
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 418 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 419, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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Signature: 

Certificate Date: 09/10/2020









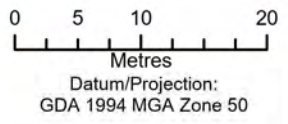
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 419 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 420, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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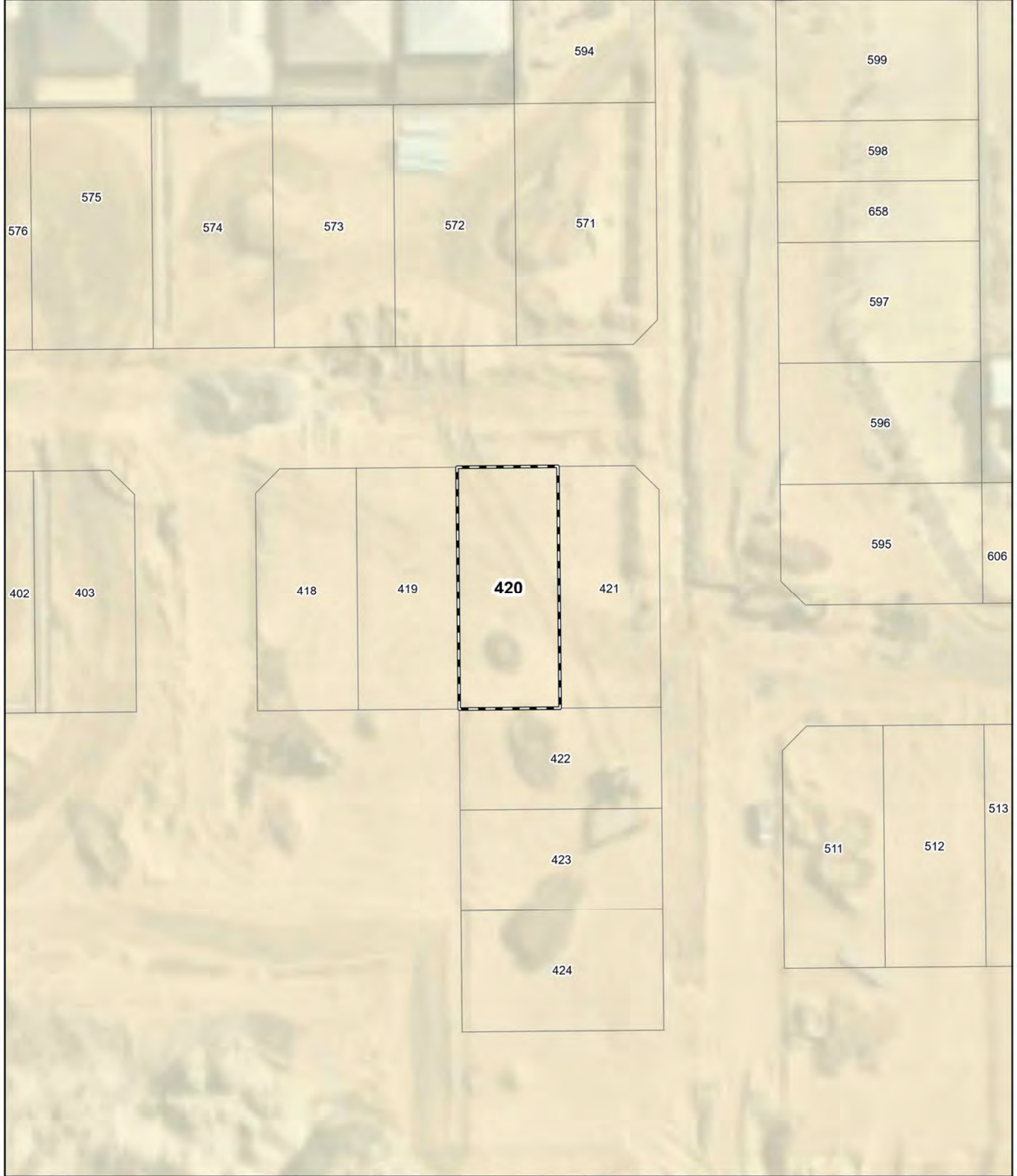
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Certificate Date: 09/10/2020









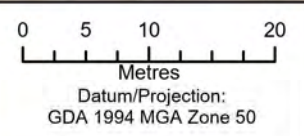
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 420 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW






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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 421, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

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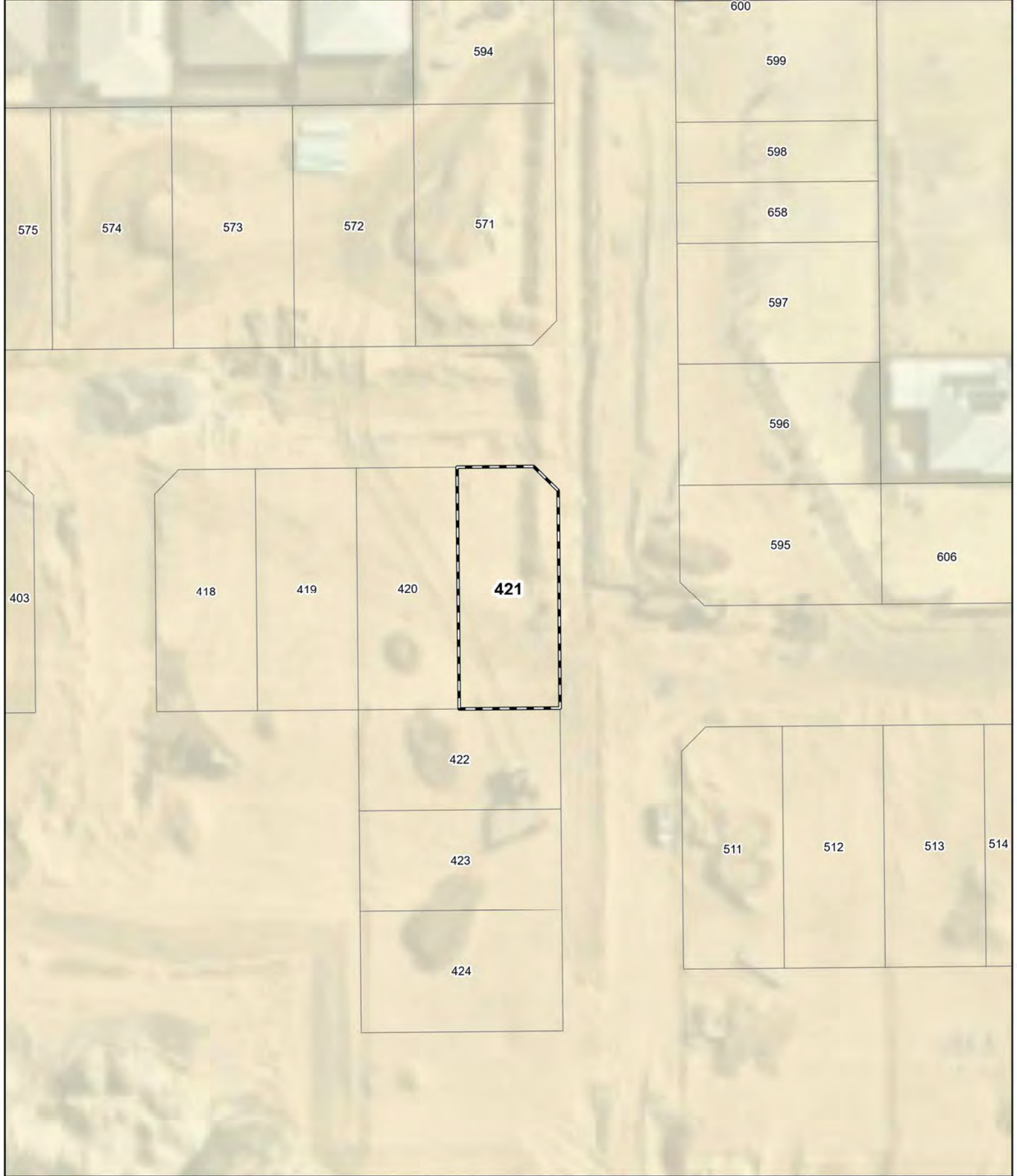
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Certificate Date: 09/10/2020









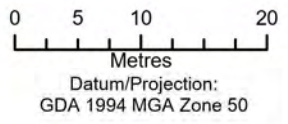
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 421 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 422, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

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Signature: 

Certificate Date: 09/10/2020









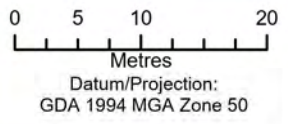
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 422 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 423, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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Signature: 

Certificate Date: 09/10/2020









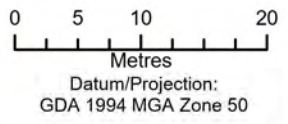
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 423 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 424, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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Eco Logical Australia

Signature: 

Certificate Date: 09/10/2020



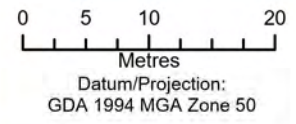
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 424 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 511, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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Eco Logical Australia

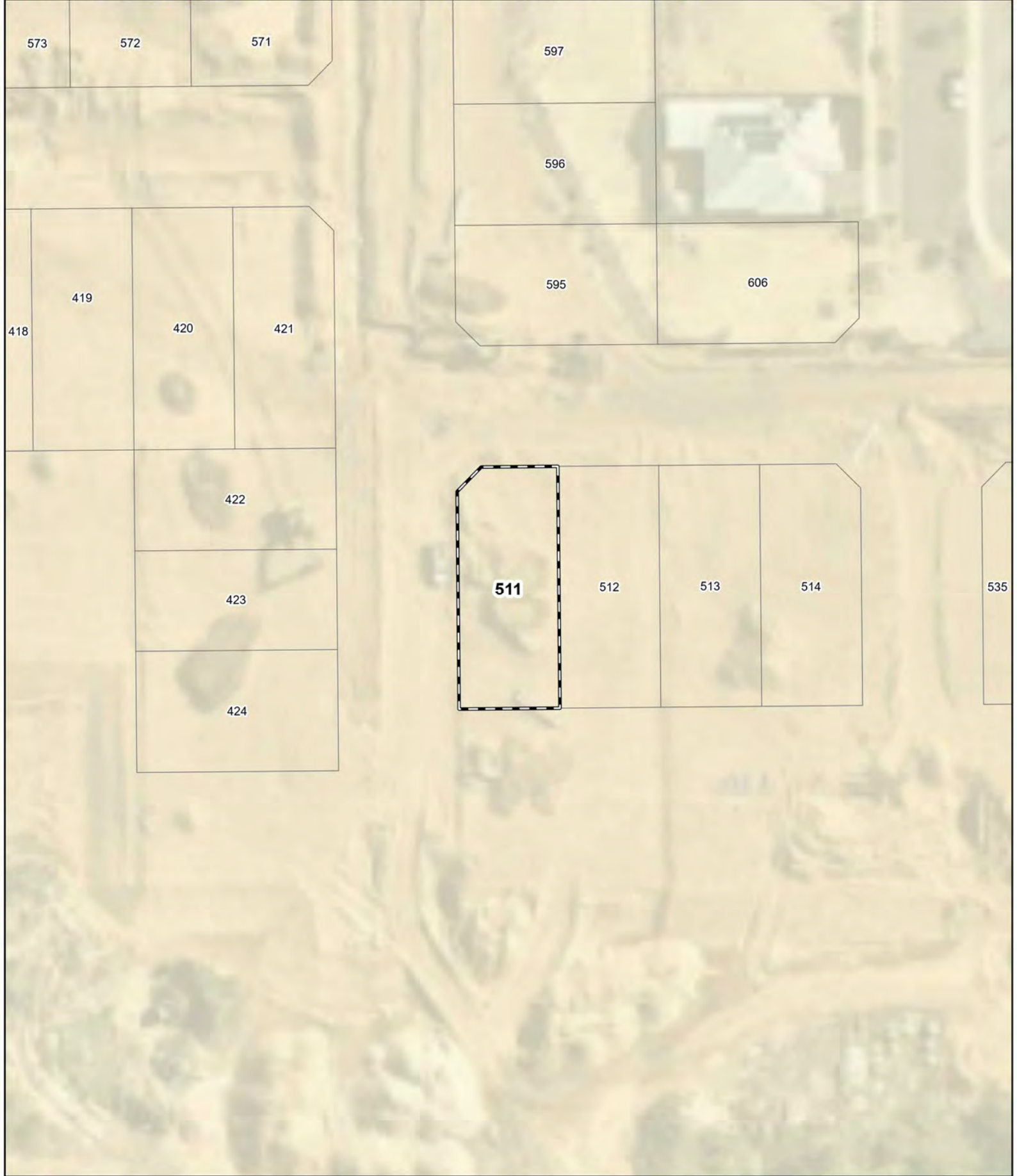
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Certificate Date: 09/10/2020









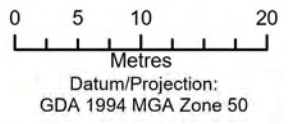
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 511 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 512, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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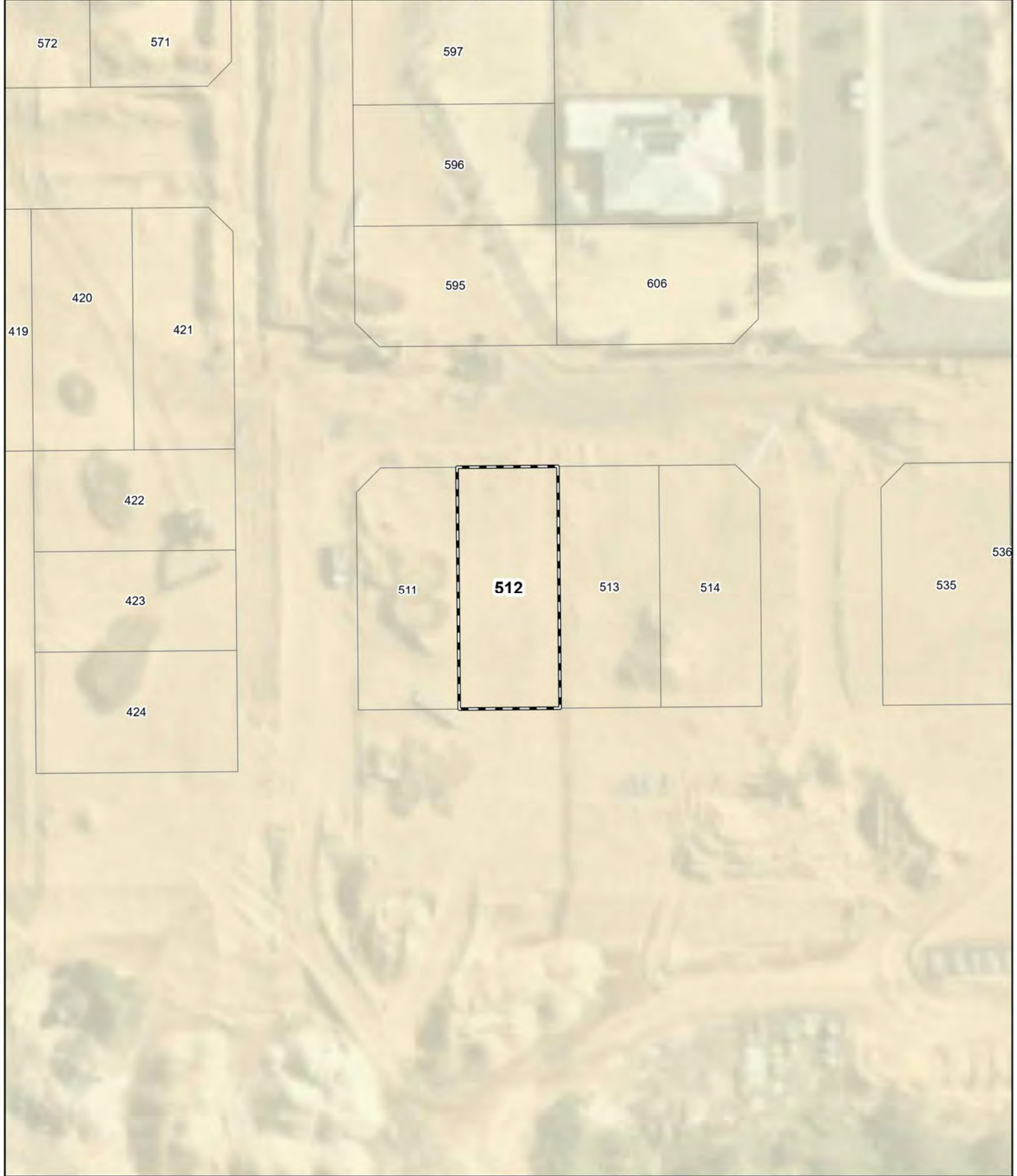
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Certificate Date: 09/10/2020









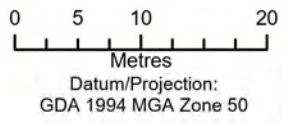
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 512 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 513, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	BAL - LOW

Practitioner Details

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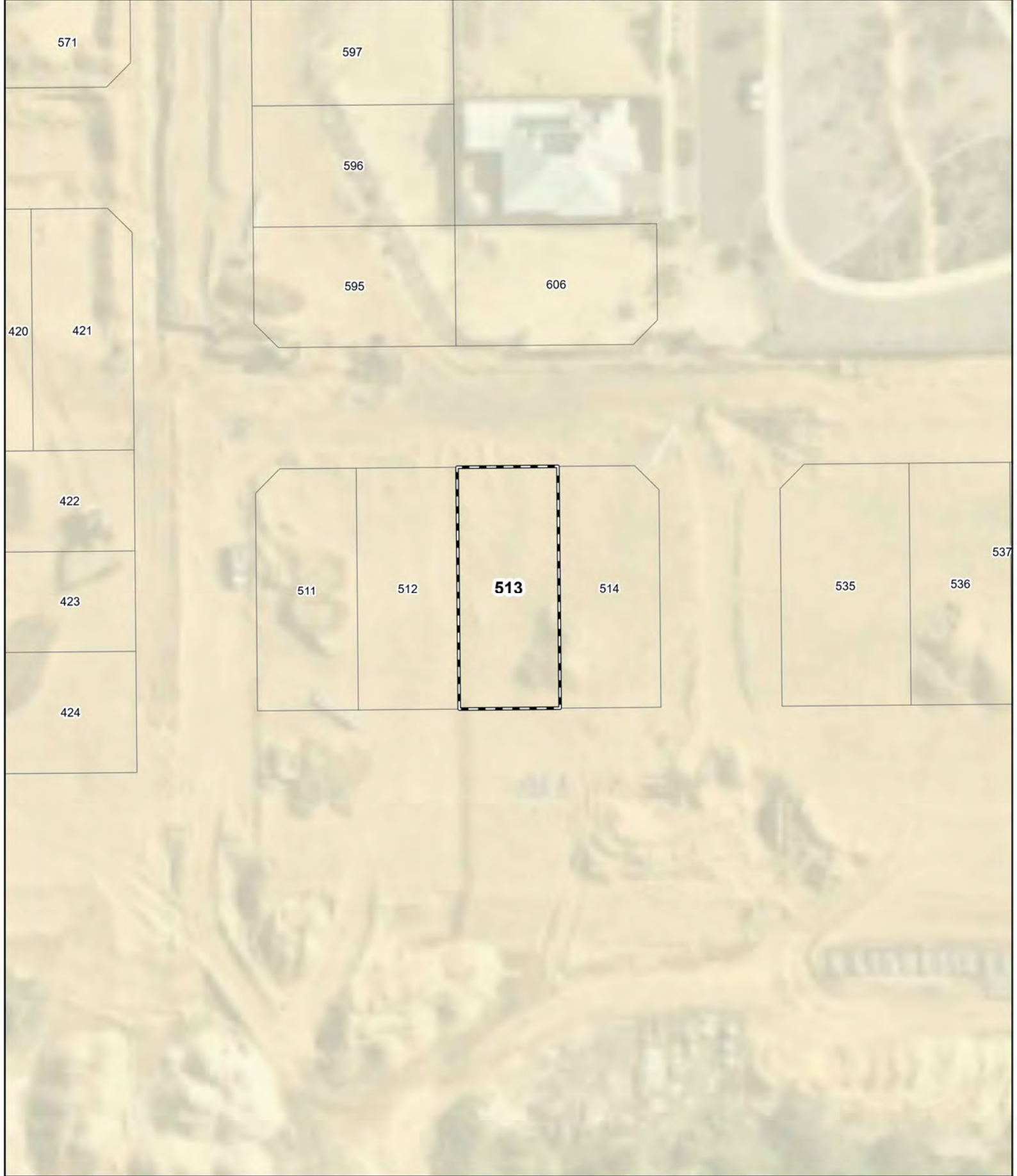
Signature: 

Certificate Date: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 513 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 514, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



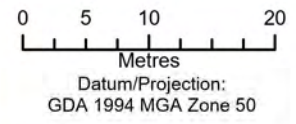
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 514 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 535, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 535 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 536, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 536 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50



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A TETRA TECH COMPANY

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 537, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



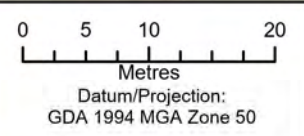
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 537 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 538, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 538 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 558, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 558 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 559, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



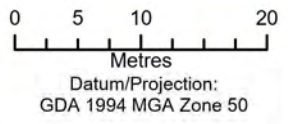
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 559 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 560, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



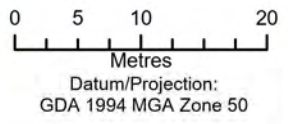
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 560 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 561, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 561 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50

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AUSTRALIA
A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 571, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

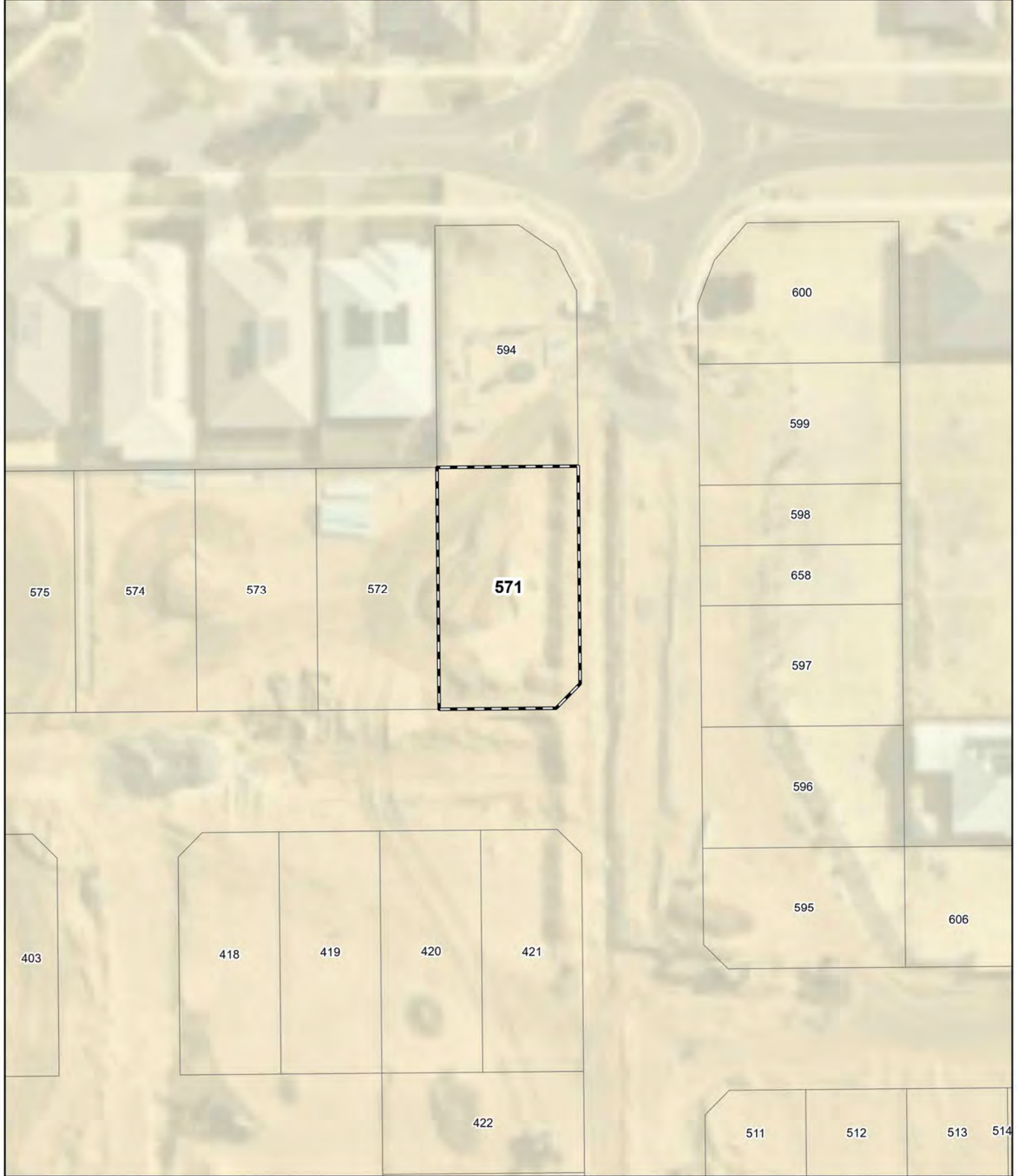
Signature: 

Certificate Date: 09/10/2020









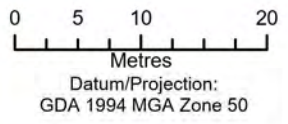
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 571 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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A TETRA TECH COMPANY

Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 572, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

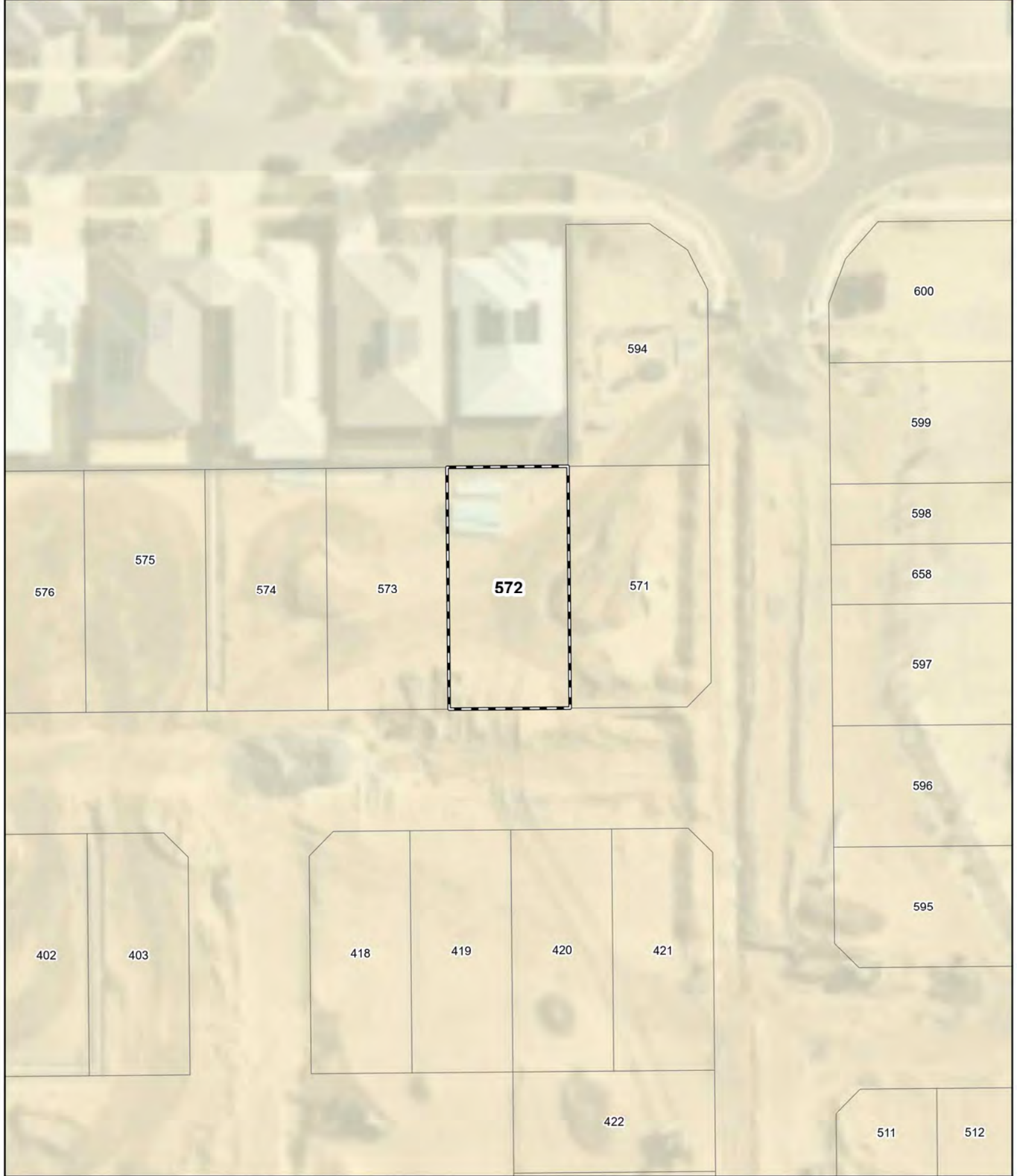
Signature: 

Certificate Date: 09/10/2020



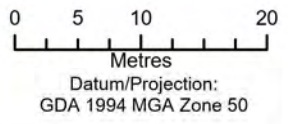
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 572 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 573, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



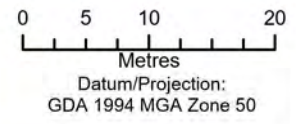
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 573 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 574, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



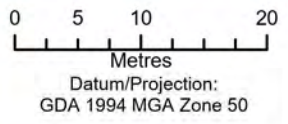
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 574 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 594, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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: 09/10/2020



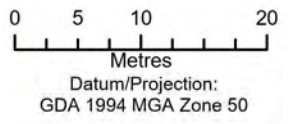
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 594 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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A TETRA TECH COMPANY
Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 595, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

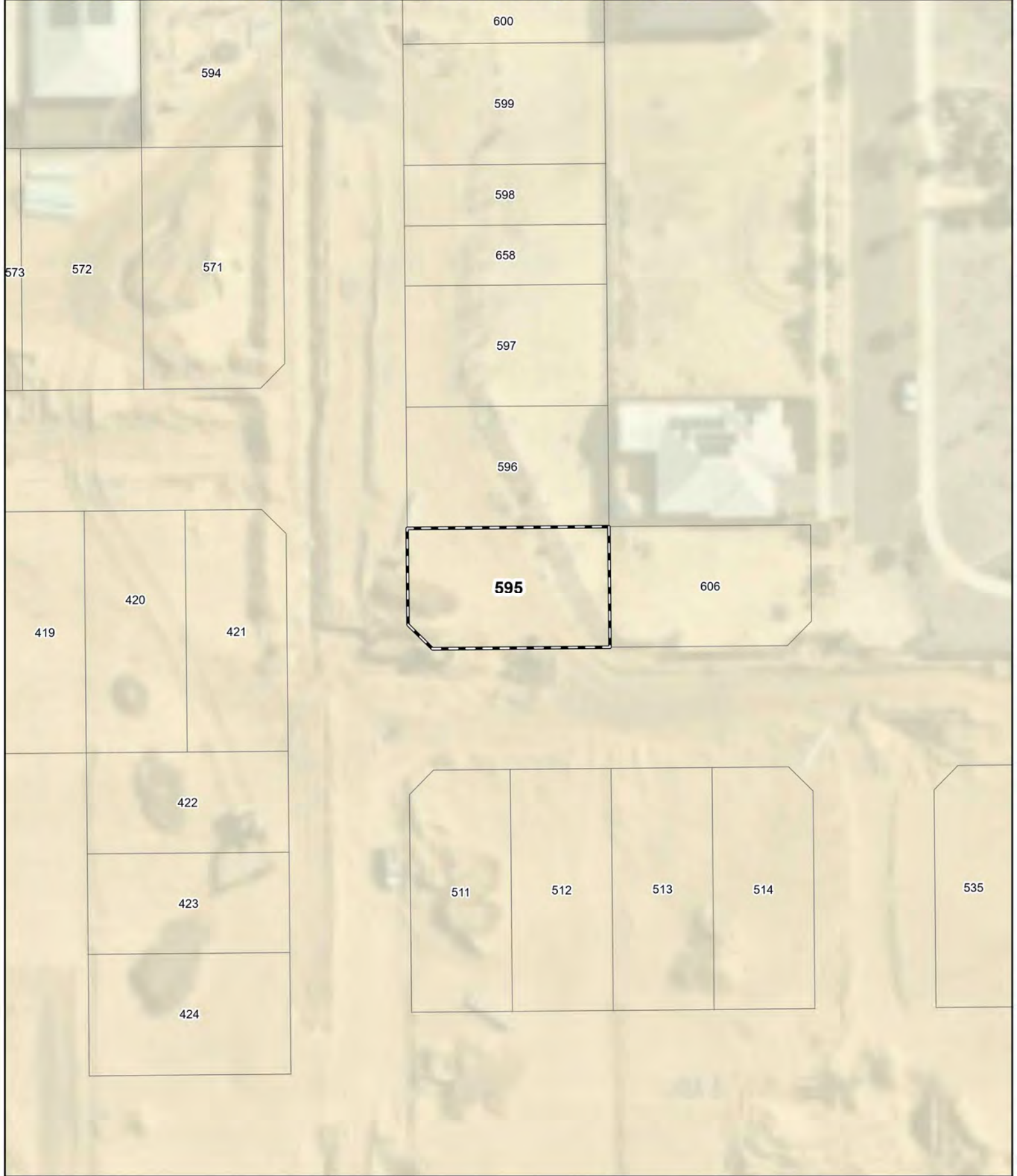
Signature: 

Certificate Date: 09/10/2020









Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 595 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



0 5 10 20
Metres
Datum/Projection:
GDA 1994 MGA Zone 50



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A TETRA TECH COMPANY

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 596, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

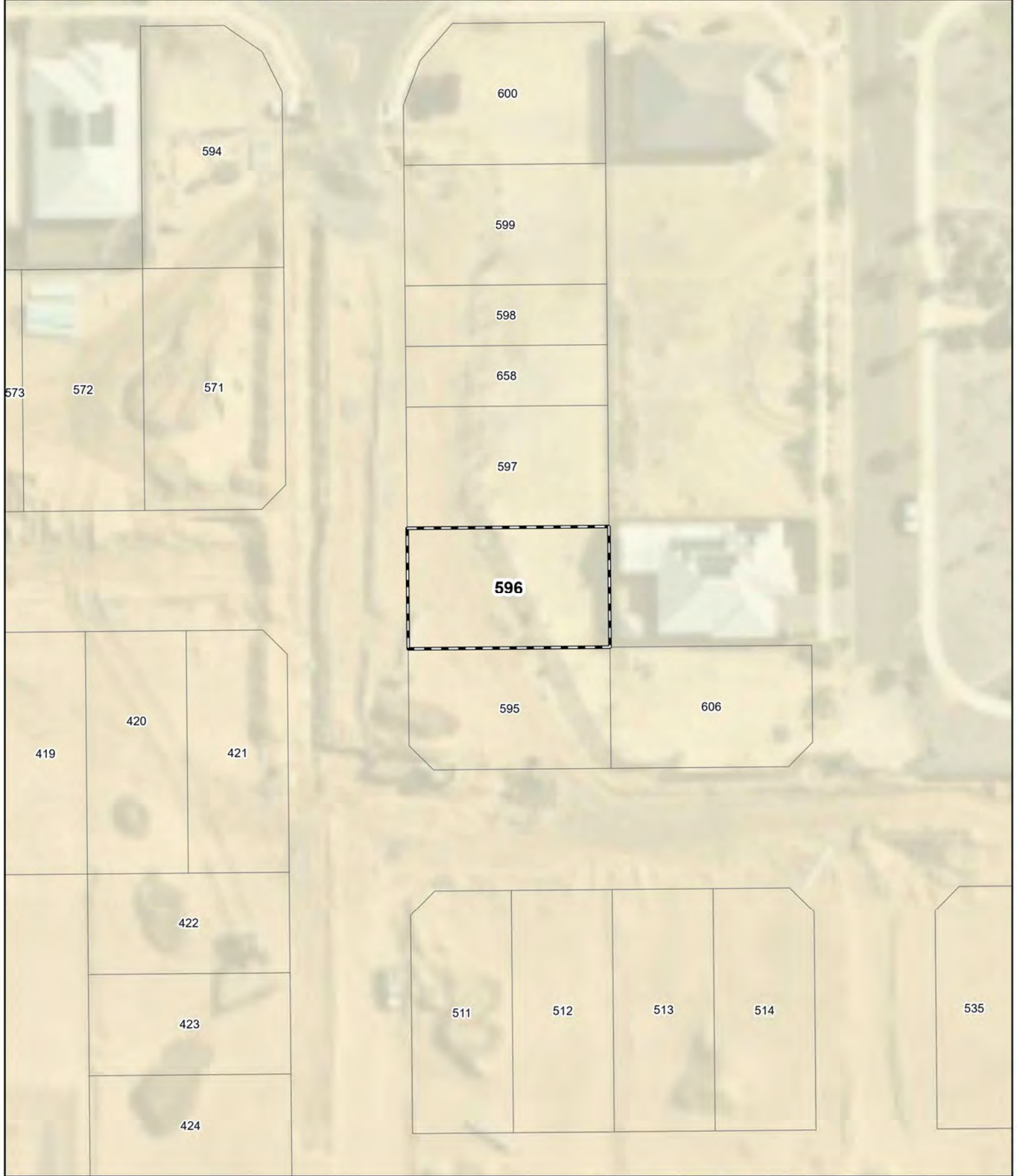
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Certificate Date: 09/10/2020









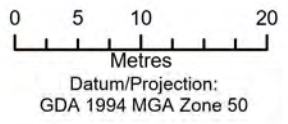
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 596 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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A TETRA TECH COMPANY

Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 597, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

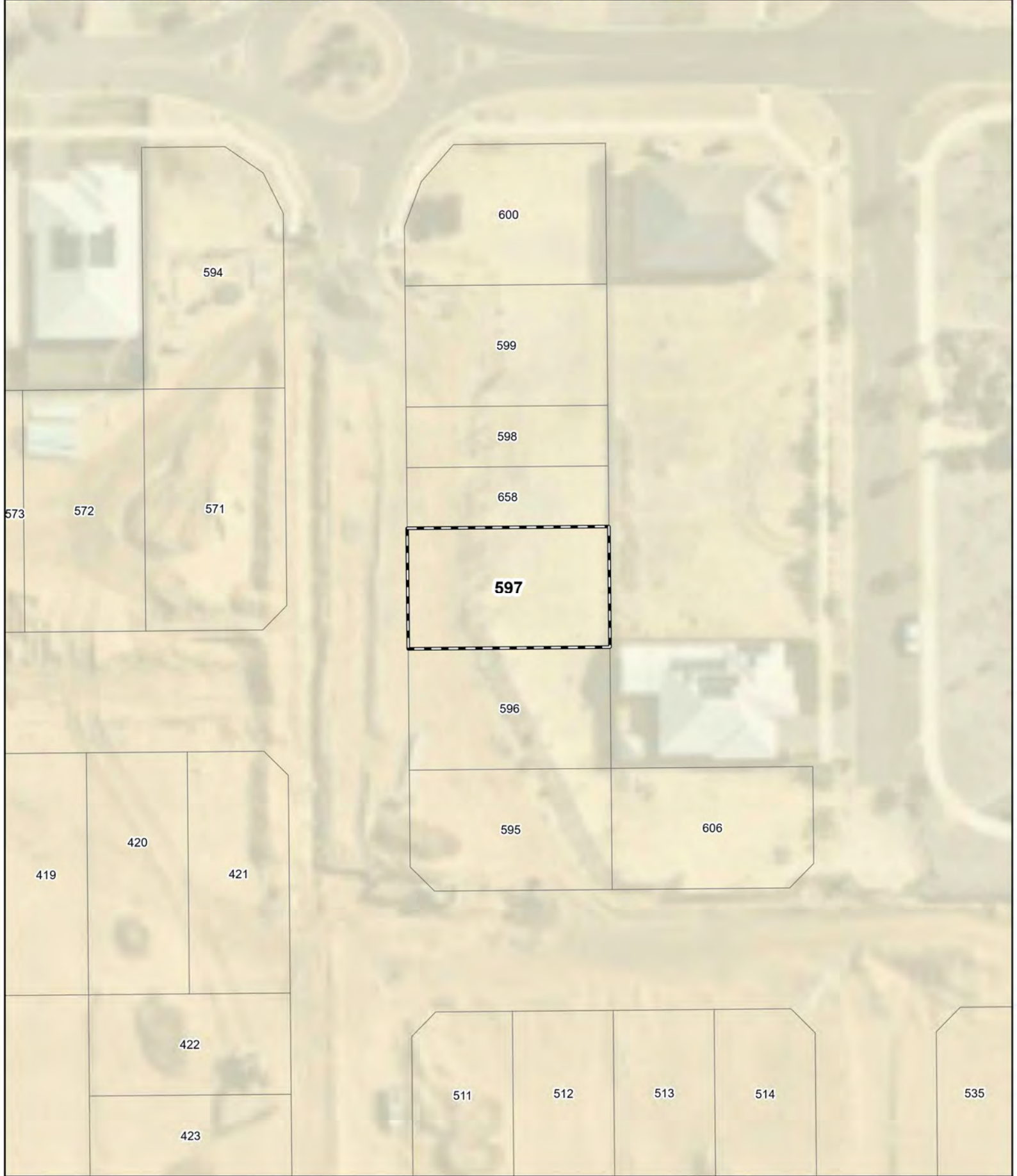
Signature: 

Certificate Date: 09/10/2020









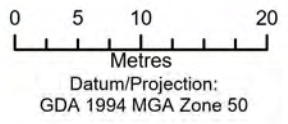
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 597 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 598, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

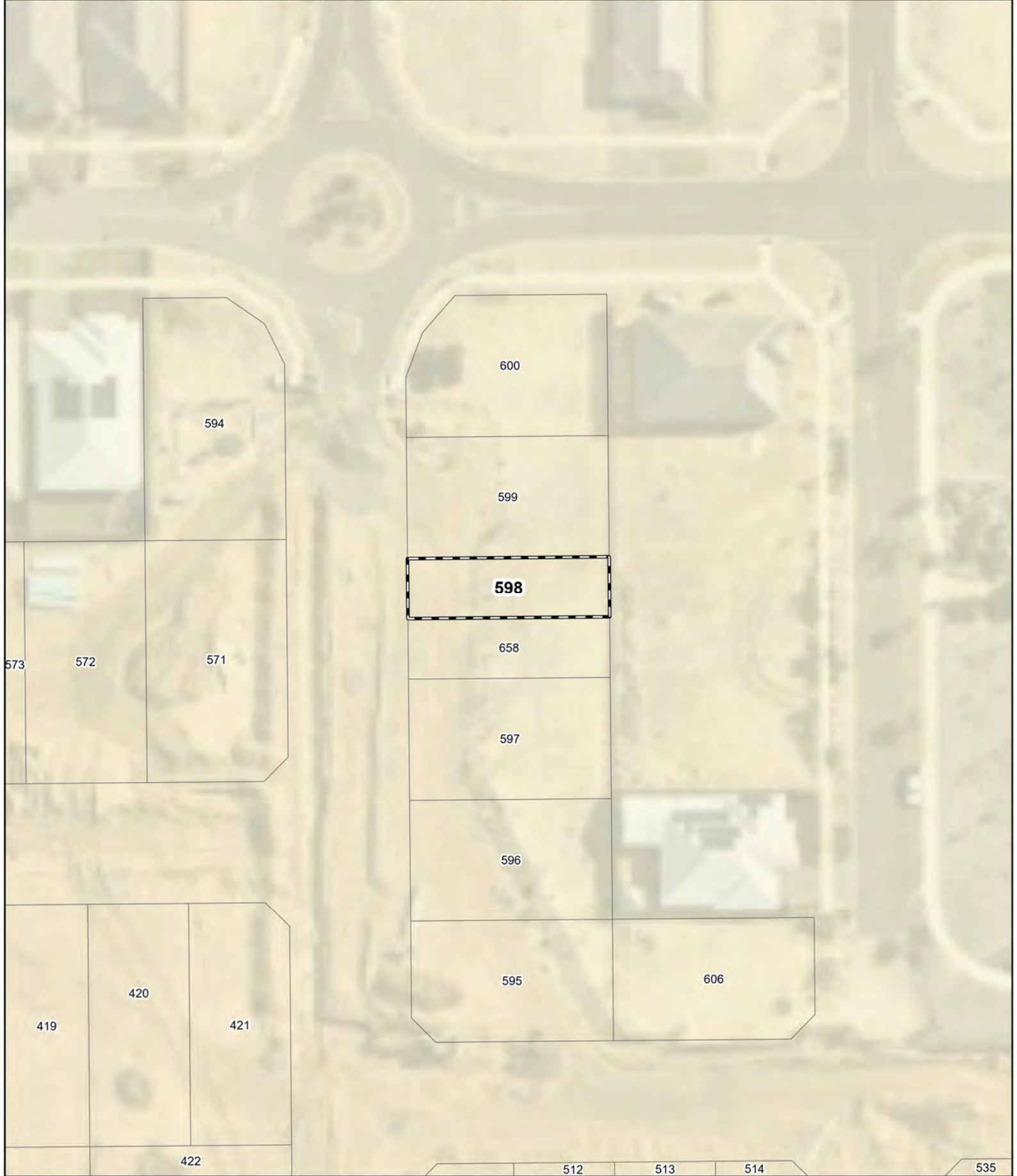
Signature: 

Certificate Date: 09/10/2020









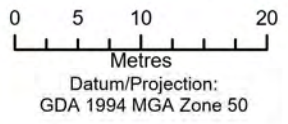
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 598 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 599, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

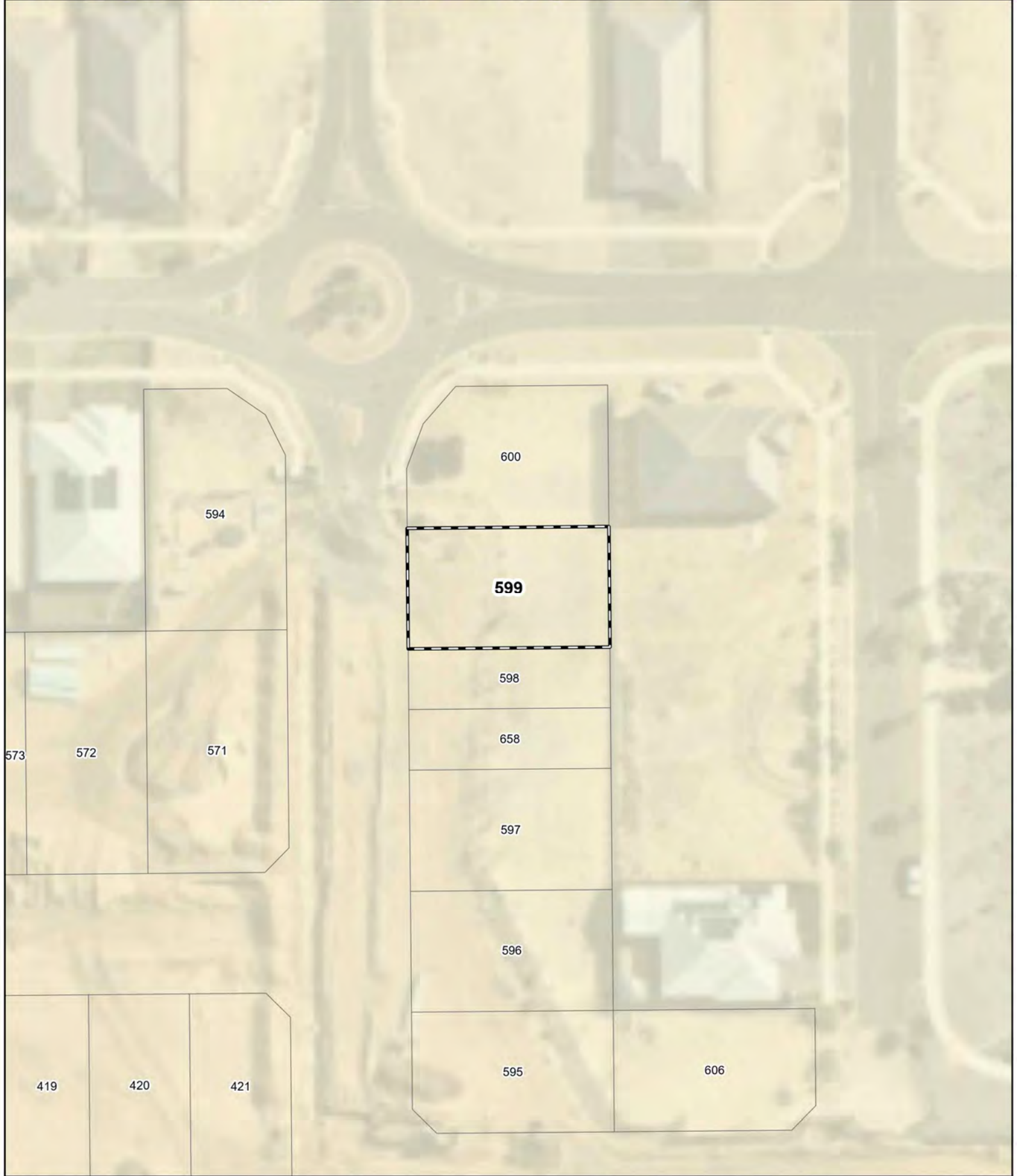
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Certificate Date: 09/10/2020



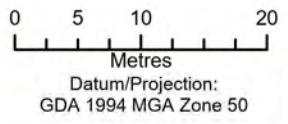
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 599 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 600, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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.

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Eco Logical Australia

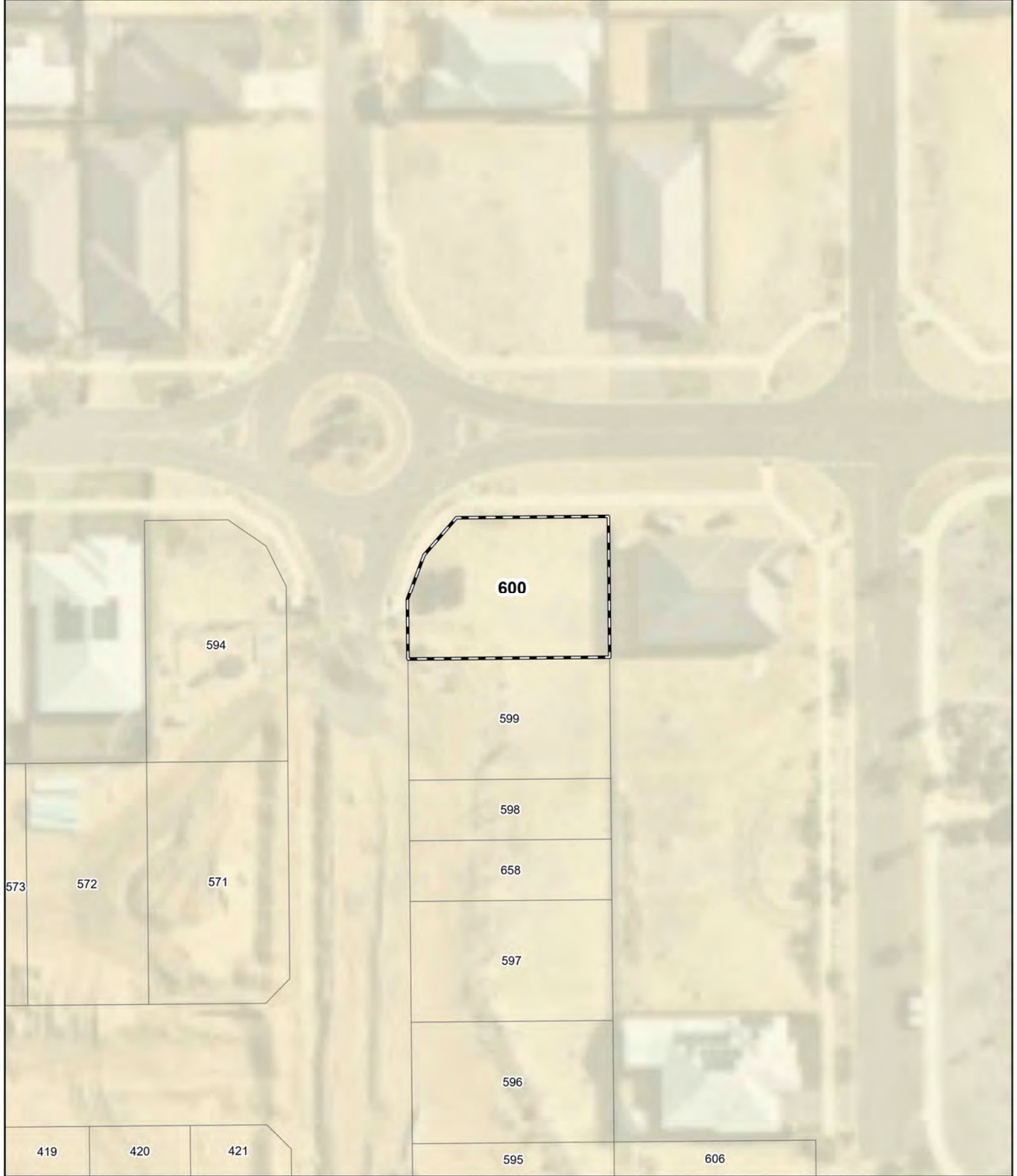
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Certificate Date: 09/10/2020









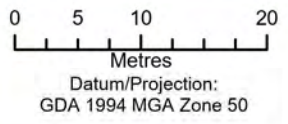
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 600 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



Datum/Projection:
GDA 1994 MGA Zone 50



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 606, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

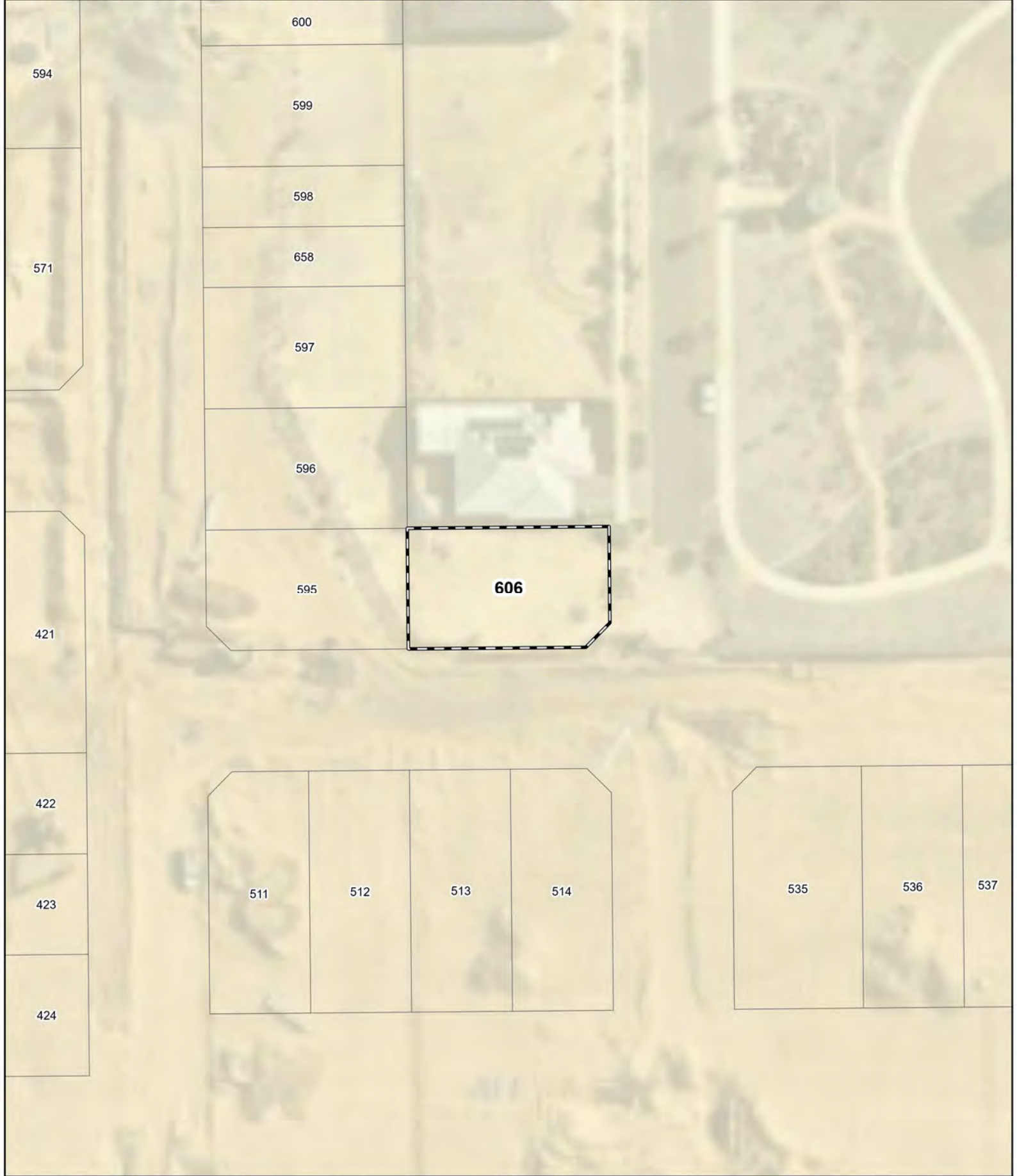
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Certificate Date: 09/10/2020









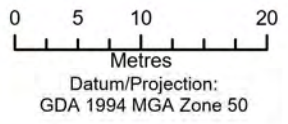
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 606 (BAL - LOW)



- Legend**
-  100m site assessment
 -  150m site assessment
 -  Lot location

- Bushfire attack level (BAL)**
-  BAL - FZ
 -  BAL - 40
 -  BAL - 29
 -  BAL - 19
 -  BAL - 12.5
 -  BAL - LOW



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Project: 16846-SM Date: 9/10/2020

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2018

Site Details

Address:	Lot 658, Beenyup Grove Estate		
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:	20PER-16864	Report Date:	09/10/2020

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Excluded as per clause 2.2.3.2 (e) and (f)	N/A	N/A	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

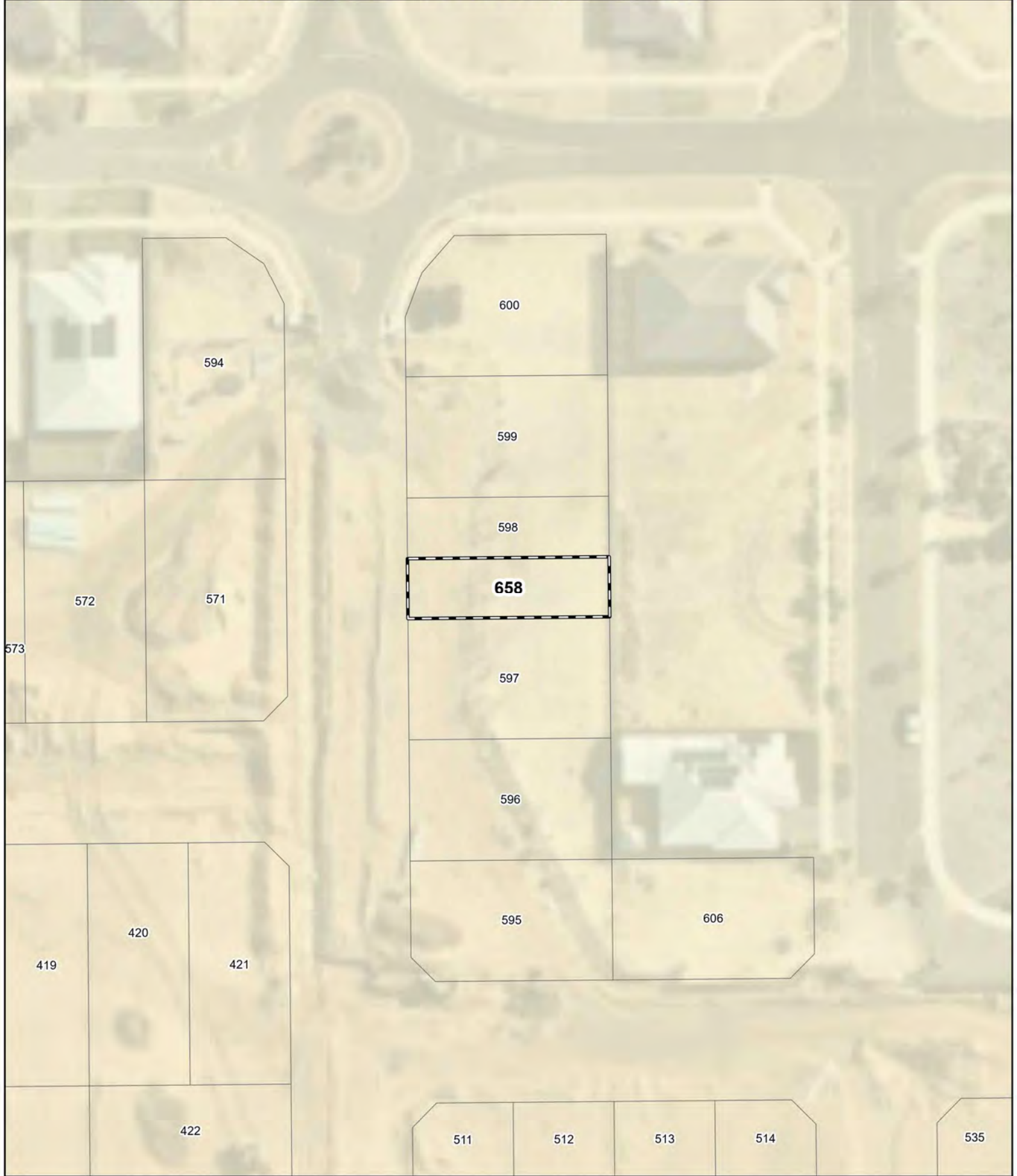
Signature: 

Certificate Date: 09/10/2020



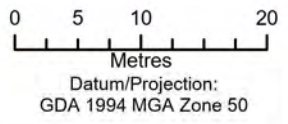
Accreditation No: BPAD 37802
Expiry: December 2020

Bushfire Attack Level (BAL) Contours - Lot 658 (BAL - LOW)



- Legend**
- 100m site assessment
 - 150m site assessment
 - Lot location

- Bushfire attack level (BAL)**
- BAL - FZ
 - BAL - 40
 - BAL - 29
 - BAL - 19
 - BAL - 12.5
 - BAL - LOW



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Project: 16846-SM Date: 9/10/2020