

15 December 2020

Our ref: 16864

## Bushfire Attack Level (BAL) Assessment Report for Beenyup Grove Estate, Byford

### Site Details

**Address:** Beenyup Grove Estate: (Lots 317, 320, 322, 325, 330, 332, 333, 335, 338, 343, 349, 351, 367, 375, 381, 388, 396, 399, 401, 419, 423, 511, 535, 537, 572, 574, 577, 579, 585, 587, 588, 591, 595, 599, 602, 608, 610, 611, 612, 617, 621, 622, 623, 624, 625, 627, 663, 671, 673, 689, 691, 692, 700, 705, 717, 718, 727, 801)

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

**Local Government Area:** Shire of Serpentine Jarrahdale

**Description of building works:** Residential development, future buildings

### Report details

<b>Report/Job number:</b>	20PER-16864	<b>Report version:</b>	v1
<b>Assessment date:</b>	8/10/2020	<b>Report date:</b>	15/12/2020
<b>Author:</b>	Stephen Moore, James Leonard and Daniel Panickar	<b>Review:</b>	Daniel Panickar (BPAD Level 3 – 37802)



### SITE ASSESSMENT AND SITE PLAN

The assessment of the 58 subject lots was undertaken on 8 October 2020 for the purpose of determining the Bushfire Attack Level (BAL) in accordance with *Australian Standard AS 3959-2009 Construction of Buildings in Bushfire Prone Areas (SA 2009) Simplified Procedure (Method 1)*. An overview of the site is presented in Figure 1.

### VEGETATION CLASSIFICATION

All vegetation within 100 m of the 58 subject lots was classified in accordance with Clause 2.2.3 of AS 3959-2009. 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 3959-2009. 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 3959-2009. 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 3959-2009. 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 3959-2009. 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 3959-2009. 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 under clause 2.2.3.2 (e) and (f)**

**Photo Point 6**

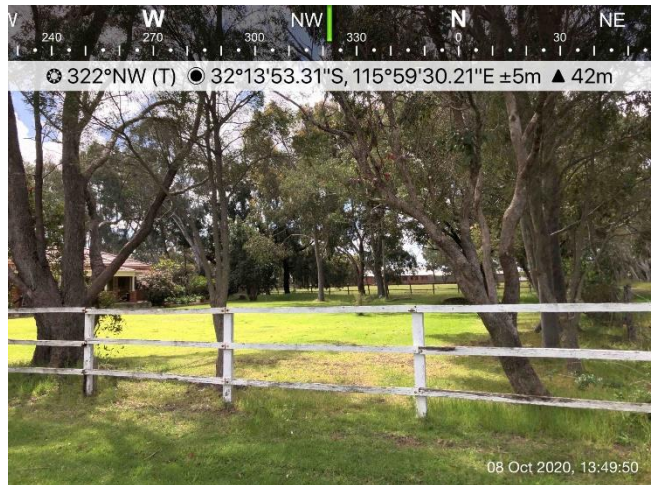
This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2009. This is an area that has been cleared for construction and will contain residential lots, roads and low threat, maintained vegetation.



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

**Photo Point 7**

This plot has been excluded under Clause 2.2.3.2 (f) of AS 3959-2009. 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 8**

This plot has been excluded under Clause 2.2.3.2 (f) of AS 3959-2009. 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 9**

This plot has been excluded under Clause 2.2.3.2 (f) of AS 3959-2009. This is an area of low threat, maintained grass.



### RELEVANT FIRE DANGER INDEX

The Fire Danger Index (FDI) for this site has been determined in accordance with Table 2.1 of AS 3959-2009. 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 3959-2009**

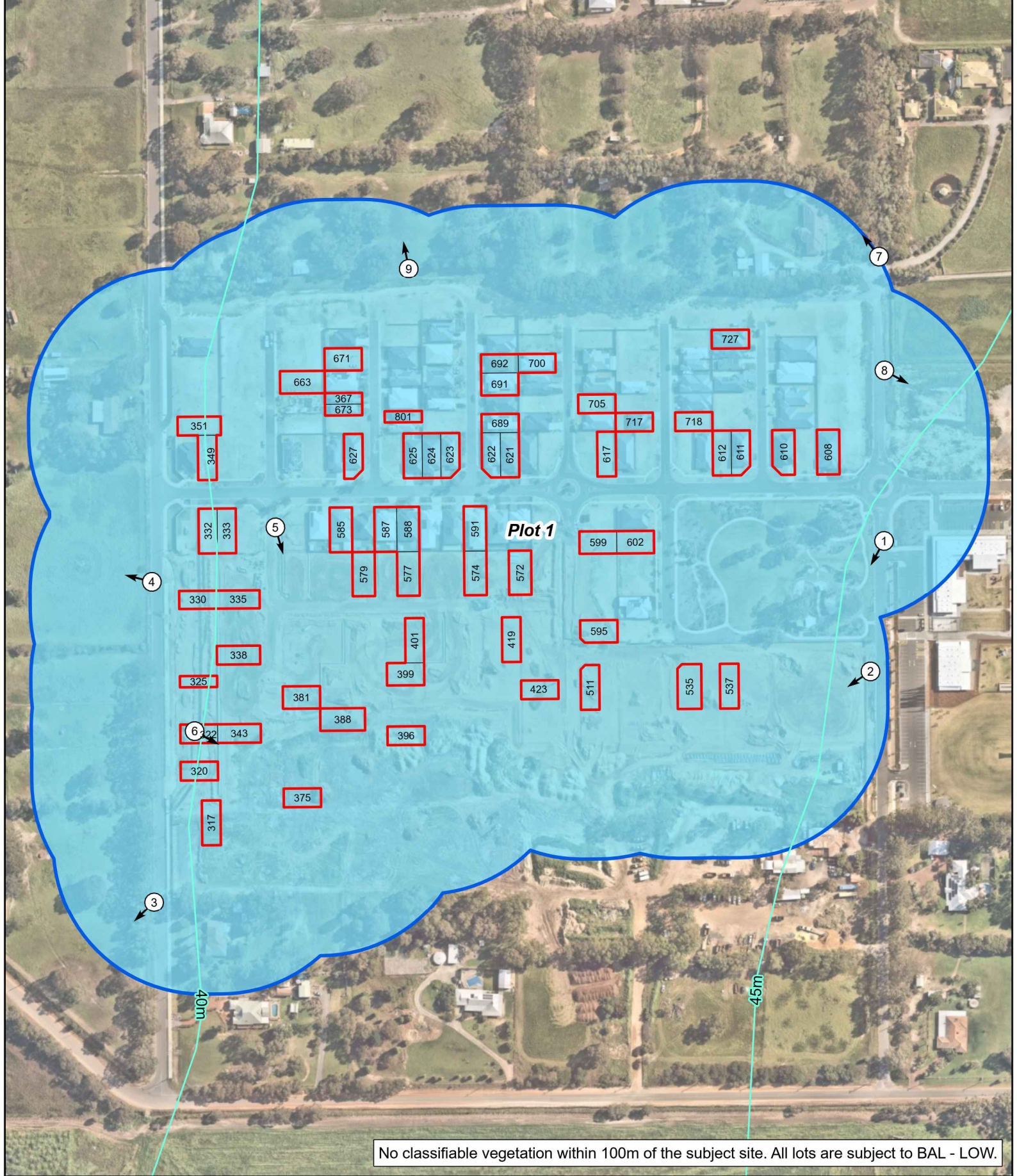
Plot	Vegetation Classification	Effective Slope	Separation distances required				
			BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
1	Excluded under Clause 2.2.3.2 (e) & (f)	N/A	No separation distances required – BAL-LOW				

### 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 3959-2009 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**






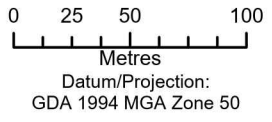
-  Subject site
-  100m site assessment
-  Lot boundary
-  Contour (5m)

 Photo location

**Vegetation classification**

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



## 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	$\leq 12.5 \text{ kW/m}^2$	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 - 2009 Construction of buildings in bushfire-prone areas” published by Standards Australia, Sydney

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 317 Pirie Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

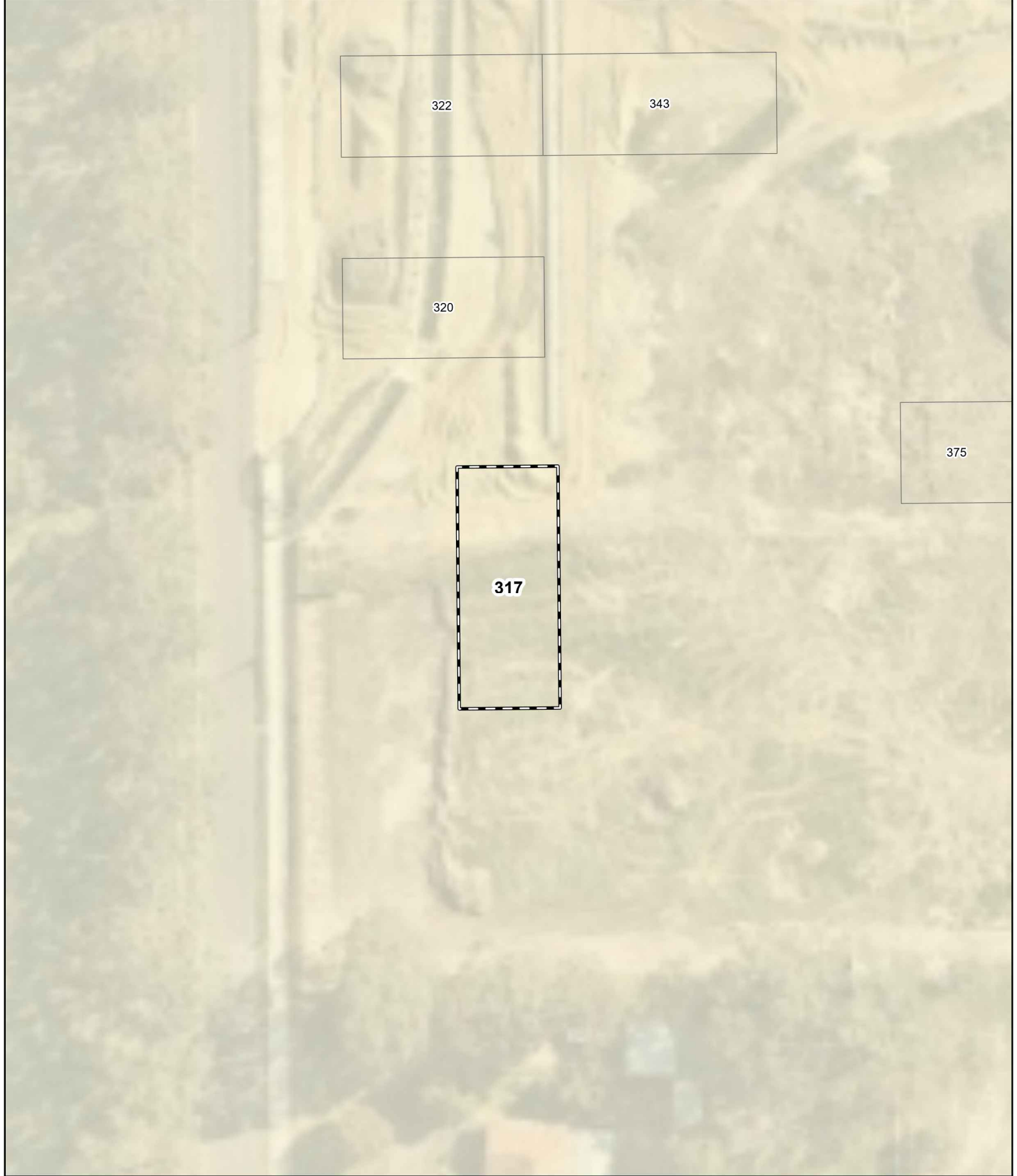
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021









# Bushfire Attack Level (BAL) Contours - Lot 317 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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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# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 320 #165 Doley Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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**Name** Daniel Panickar  
*Eco Logical Australia*

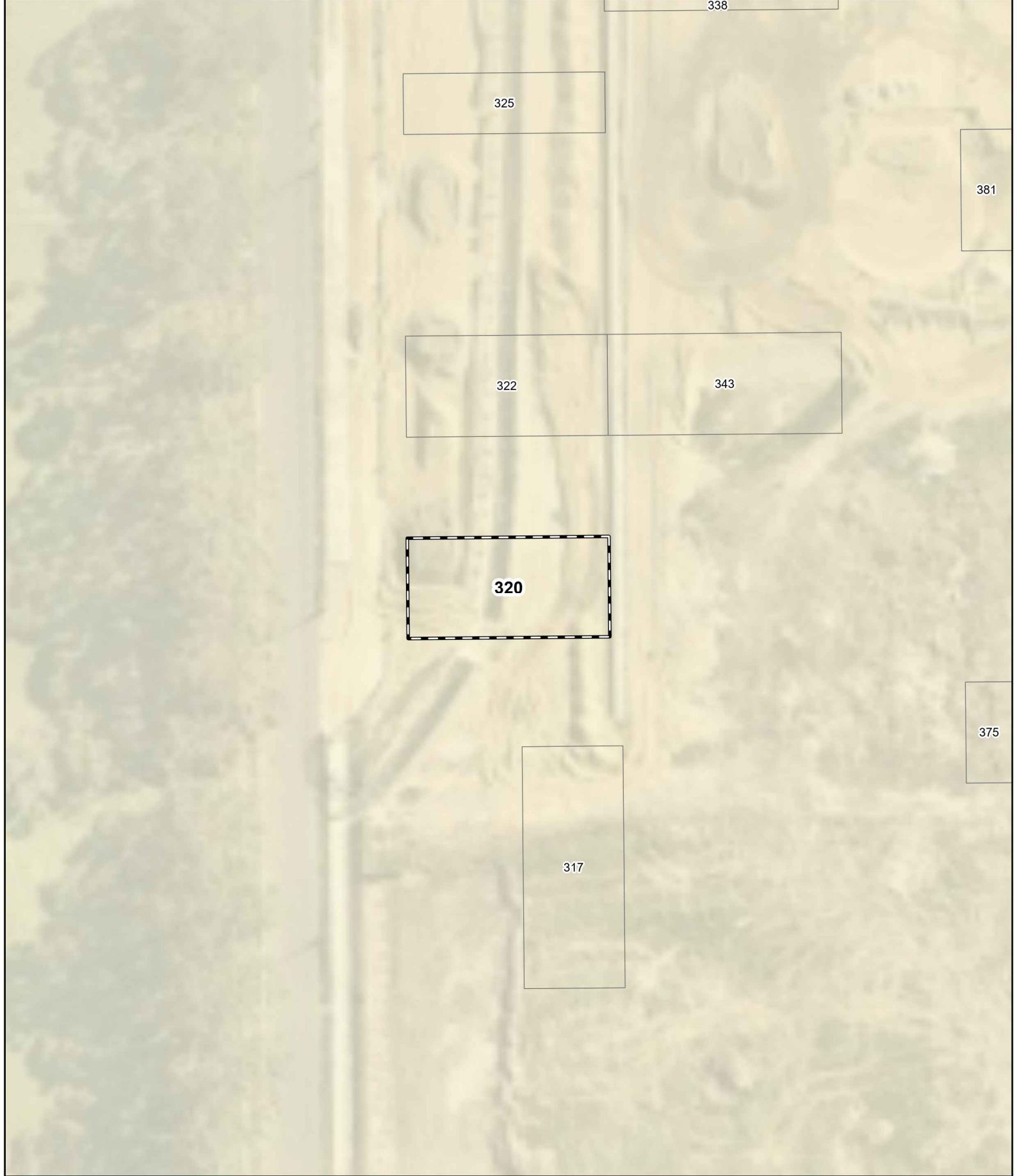
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







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Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 320 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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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# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 322 #161 Doley Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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**Name** Daniel Panickar  
*Eco Logical Australia*

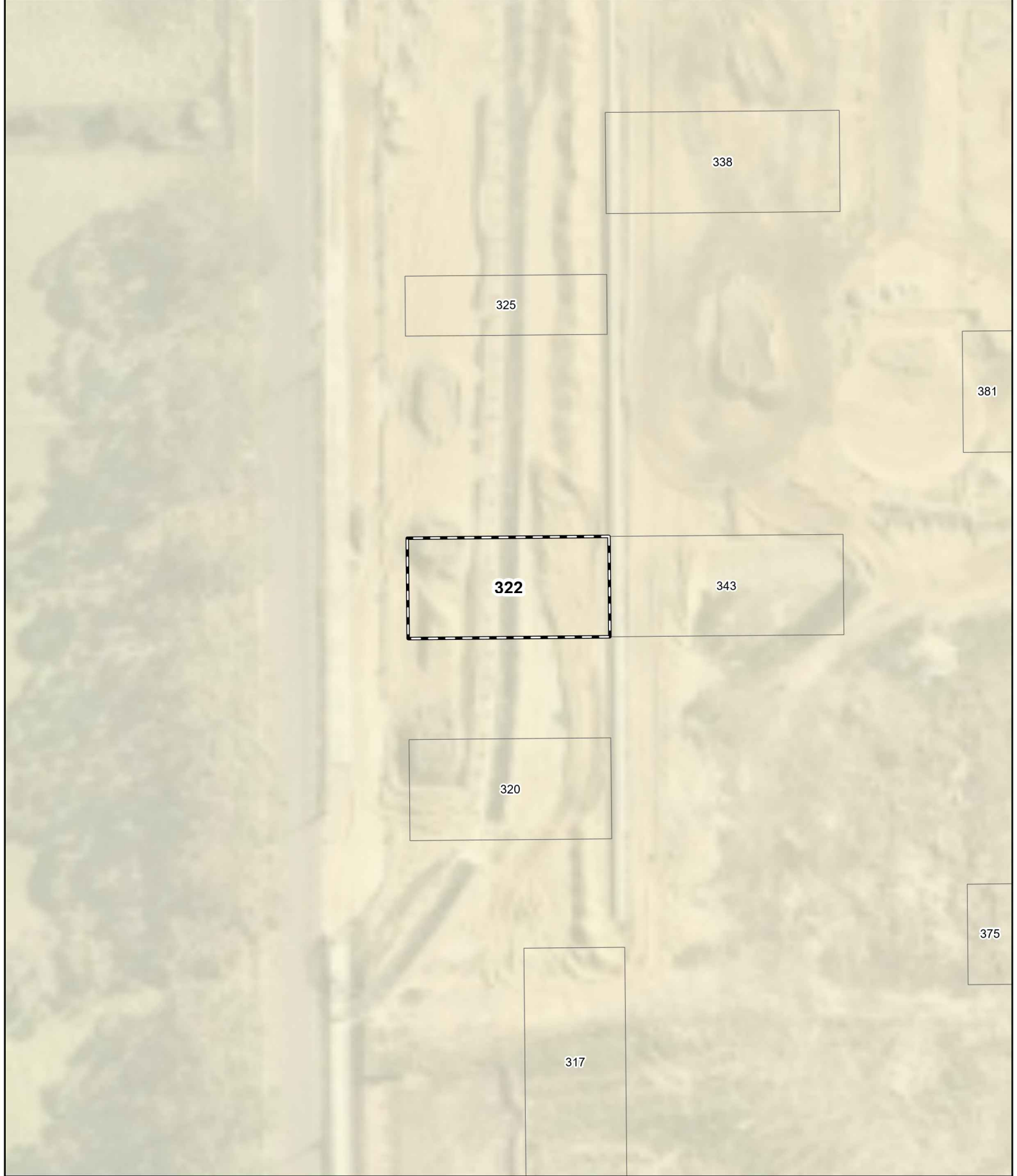
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 322 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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 3959-2009

## Site Details

<b>Address:</b>	Lot 325 #155 Doley Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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**Name** Daniel Panickar  
*Eco Logical Australia*

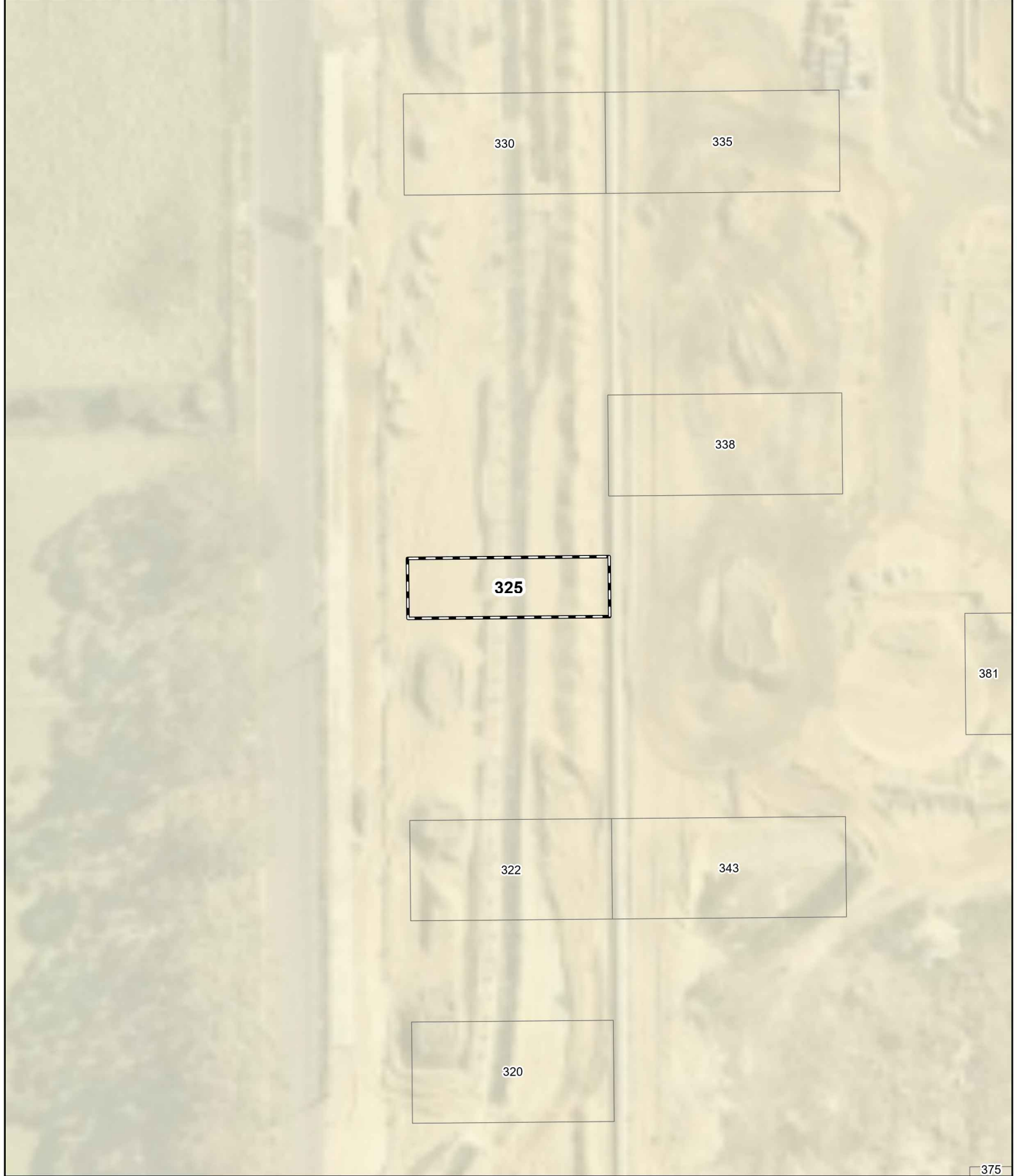
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 325 (BAL - LOW)



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

**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  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 330 #145 Doley Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

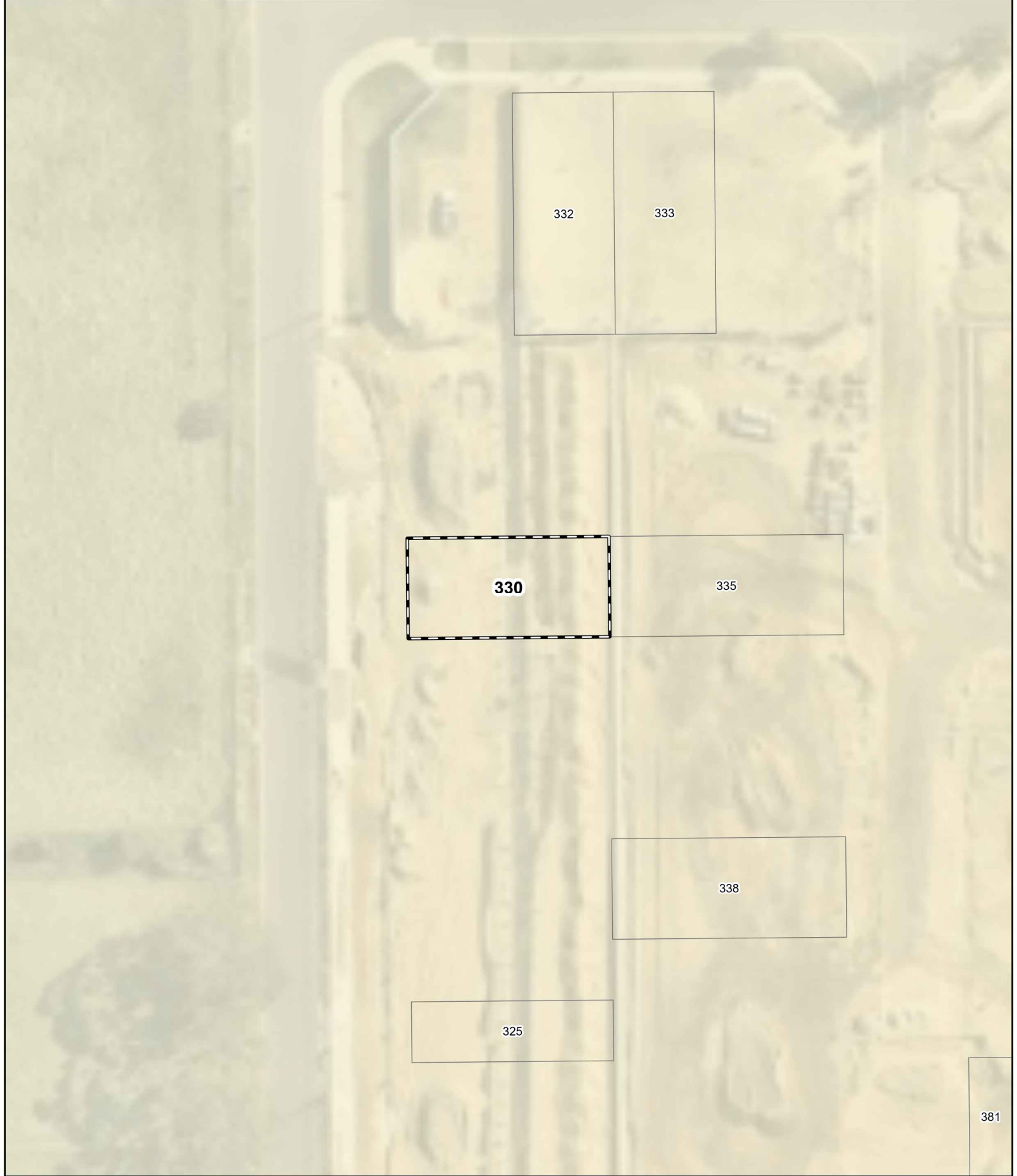
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021









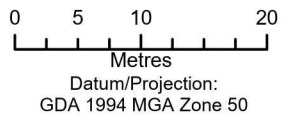
# Bushfire Attack Level (BAL) Contours - Lot 330 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 332 #4 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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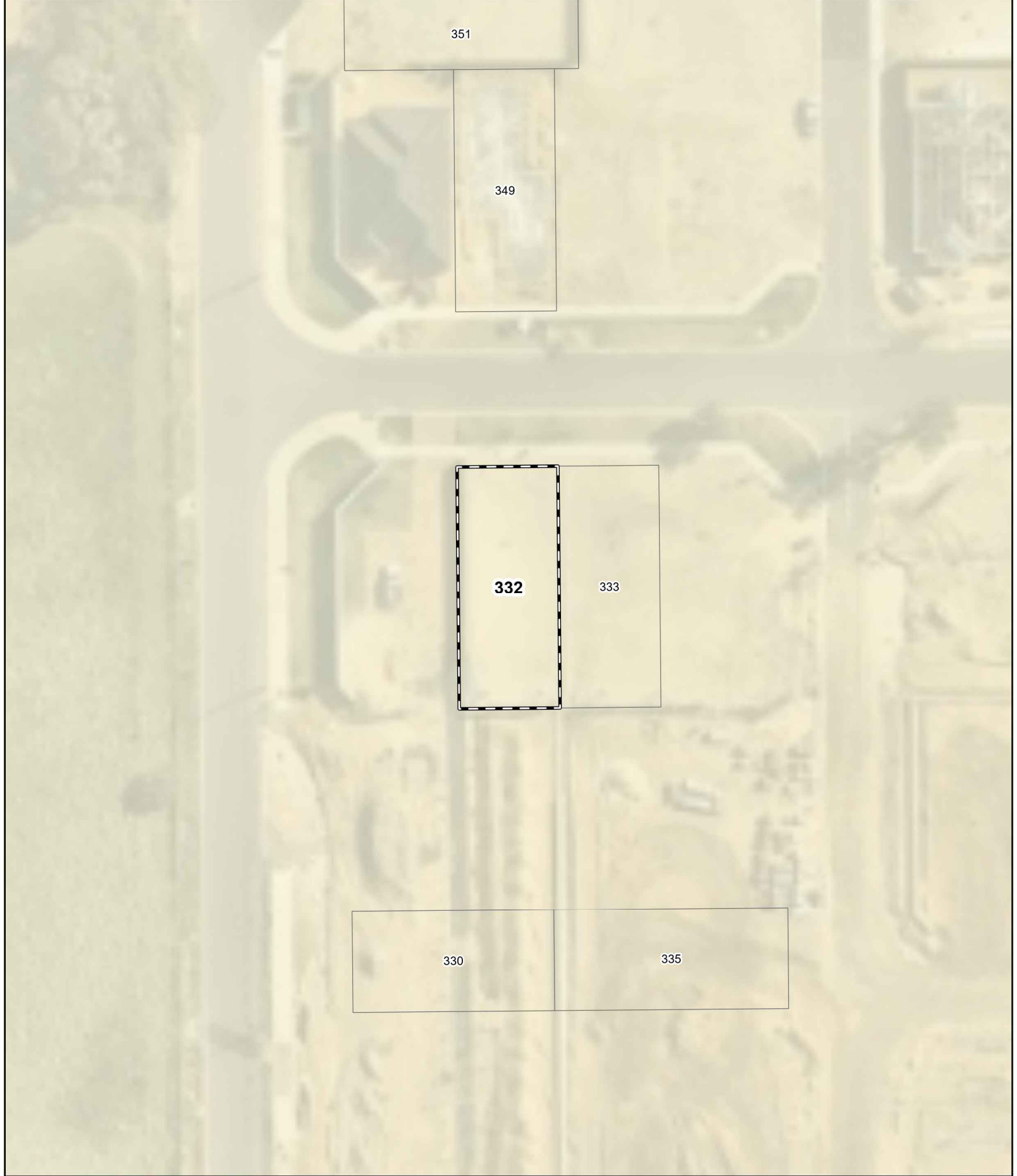
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 332 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 333 #6 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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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**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 


**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 333 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 335 #23 Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 335 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

**N**  
**eco logical AUSTRALIA**  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 338 #17 Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

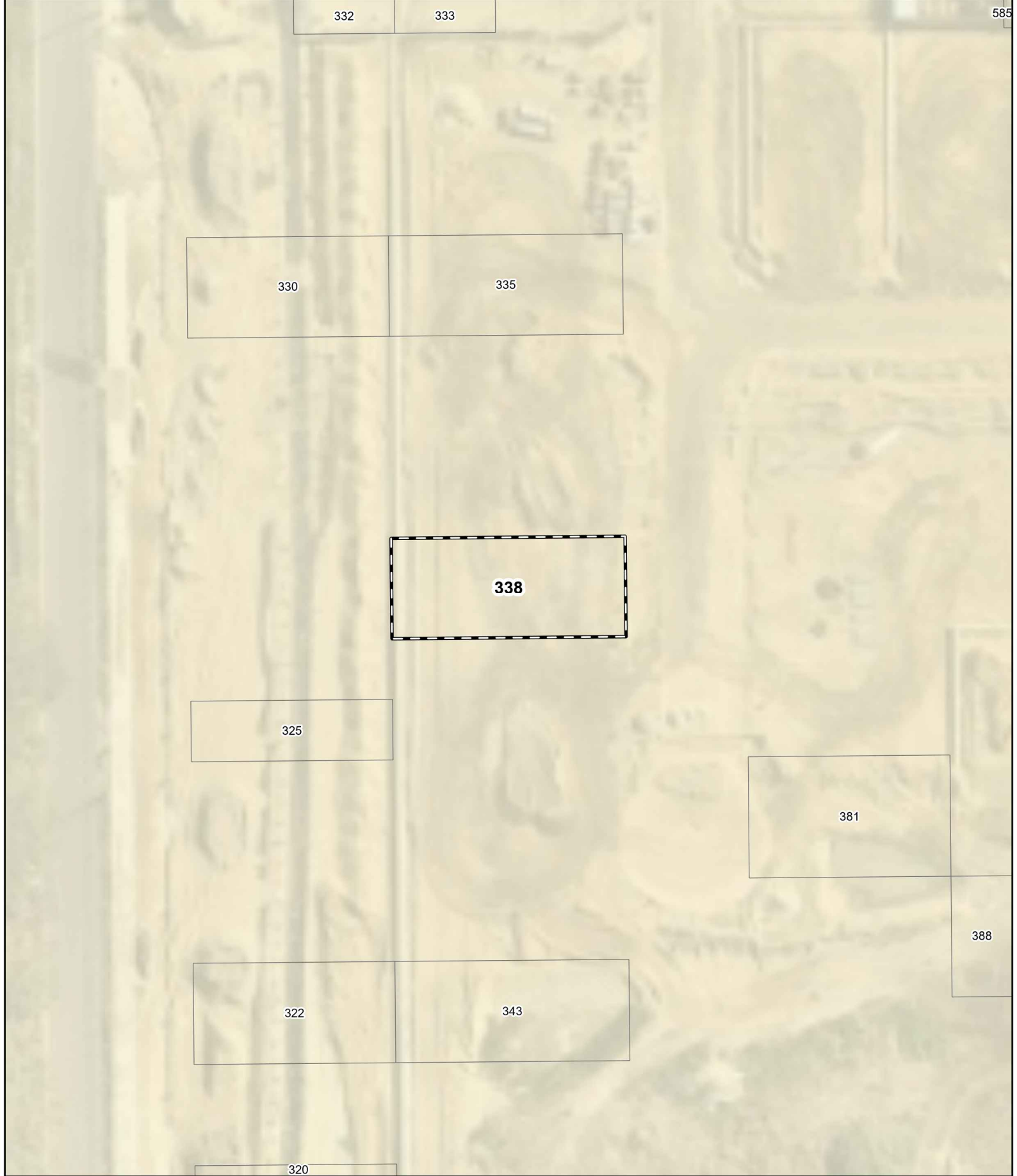
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021









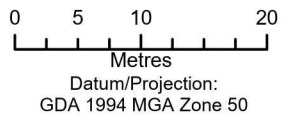
# Bushfire Attack Level (BAL) Contours - Lot 338 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 343 Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

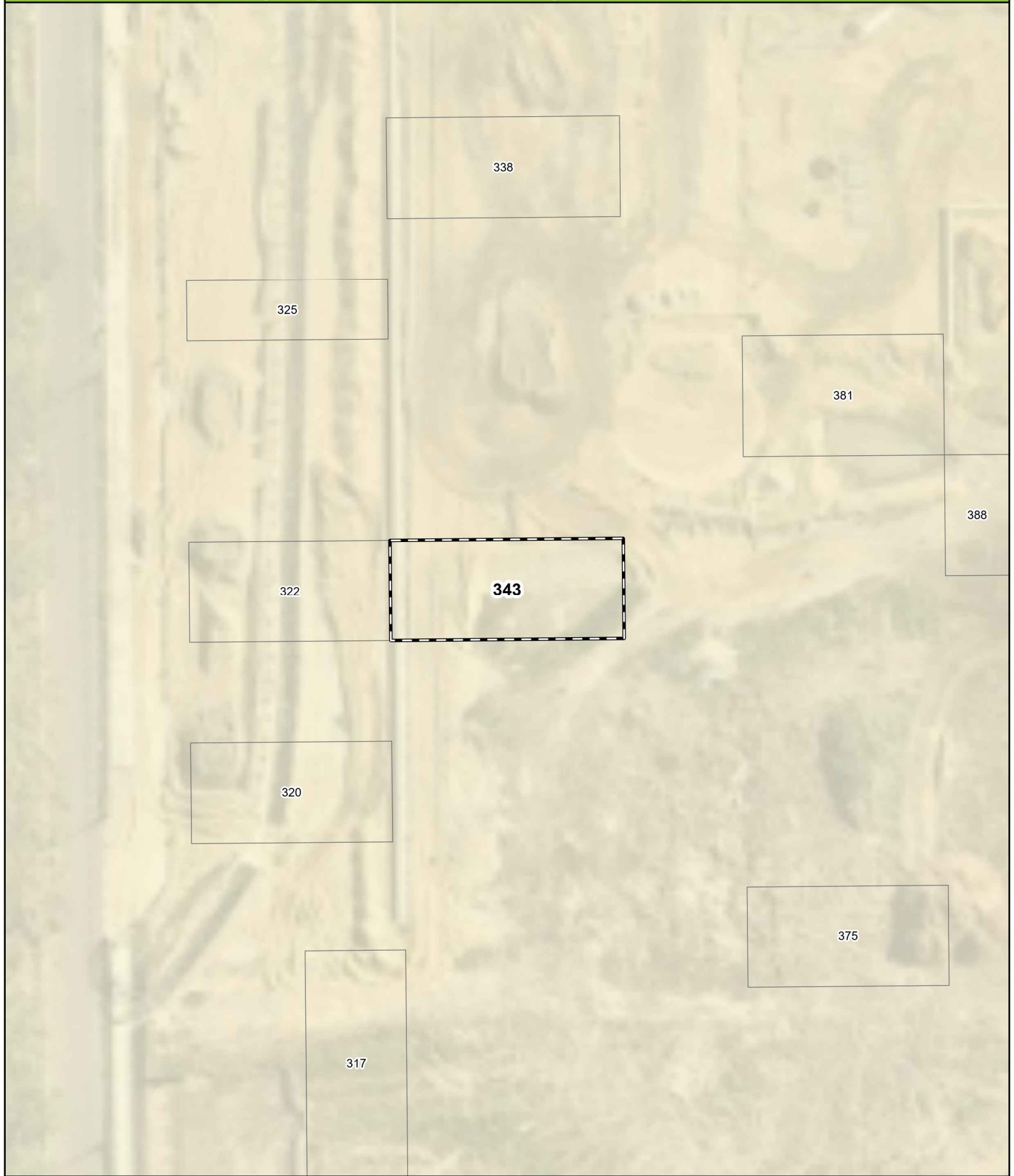
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 343 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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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**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 349 (#3) Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 349 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 351 (#135) Doley Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 351 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 367 #7 Choules Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 367 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 375 Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 375 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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 3959-2009

## Site Details

<b>Address:</b>	Lot 381 Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

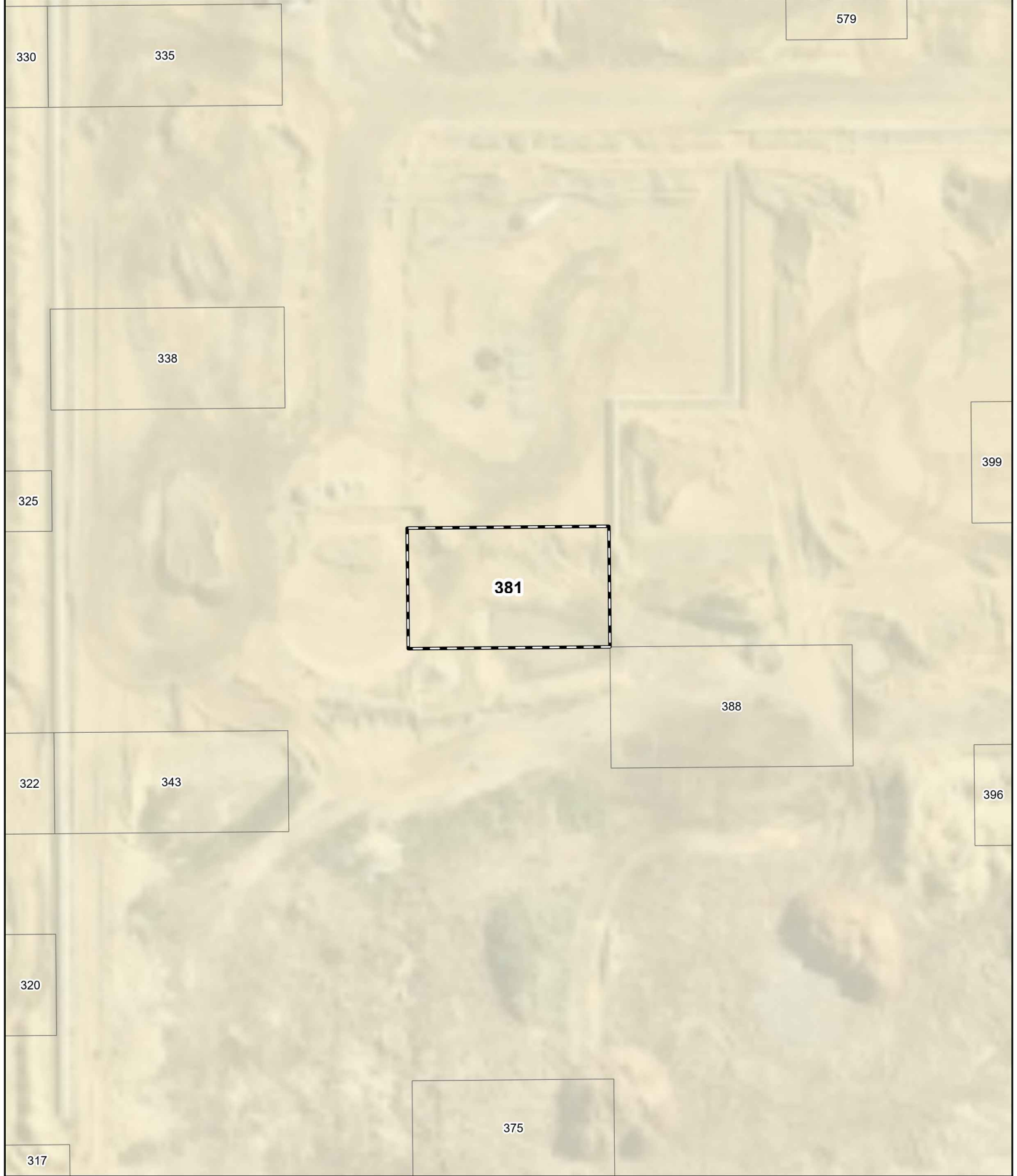
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**Certificate Date:** 15/12/2020









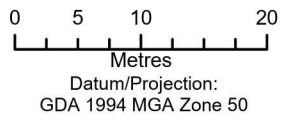
Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 381 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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 3959-2009

## Site Details

<b>Address:</b>	Lot 388 Huon Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

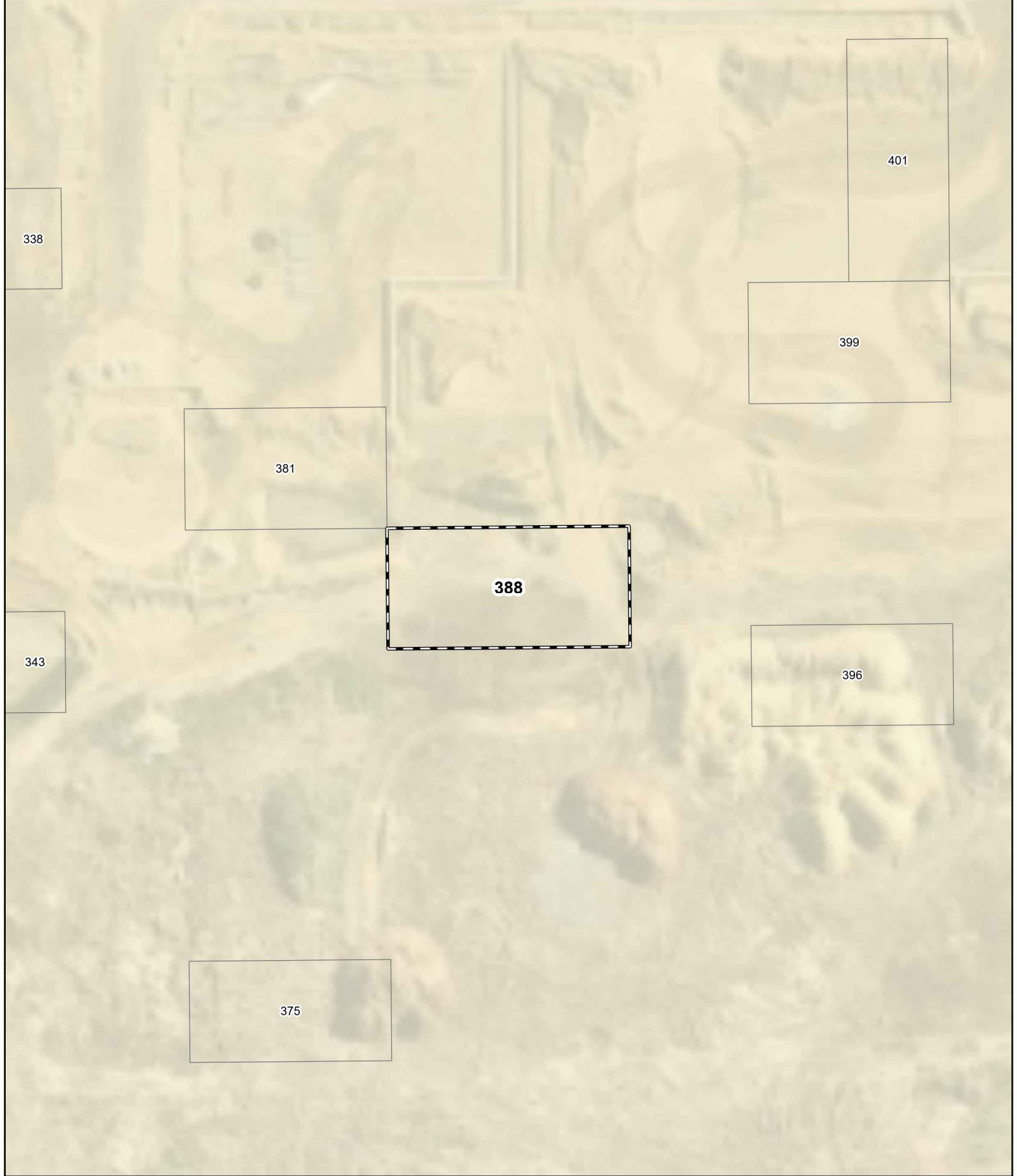
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







Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 388 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 396 Huon Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

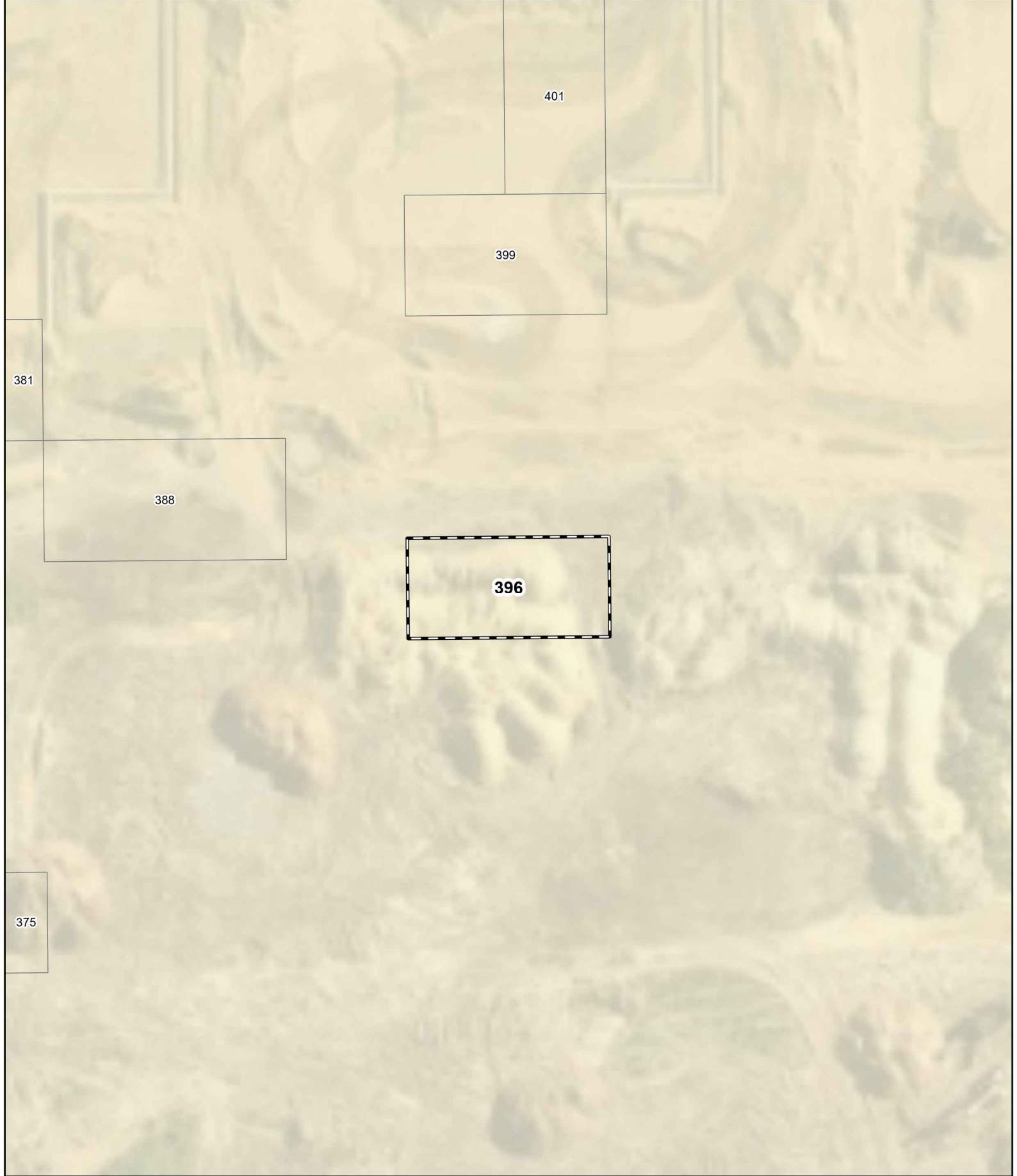
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



Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 396 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 399 Huon Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 399 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 401 #12 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

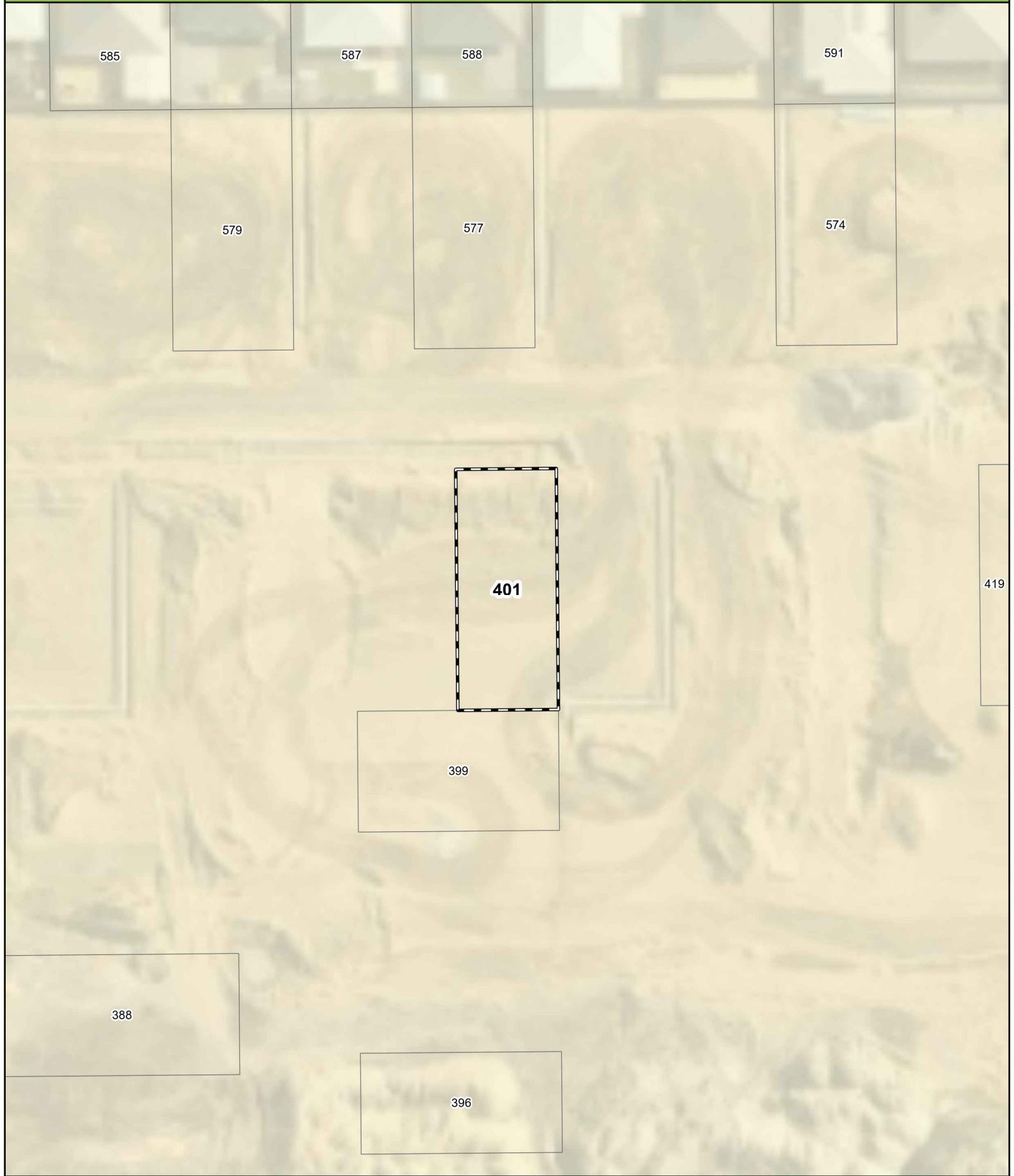
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 401 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 419 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

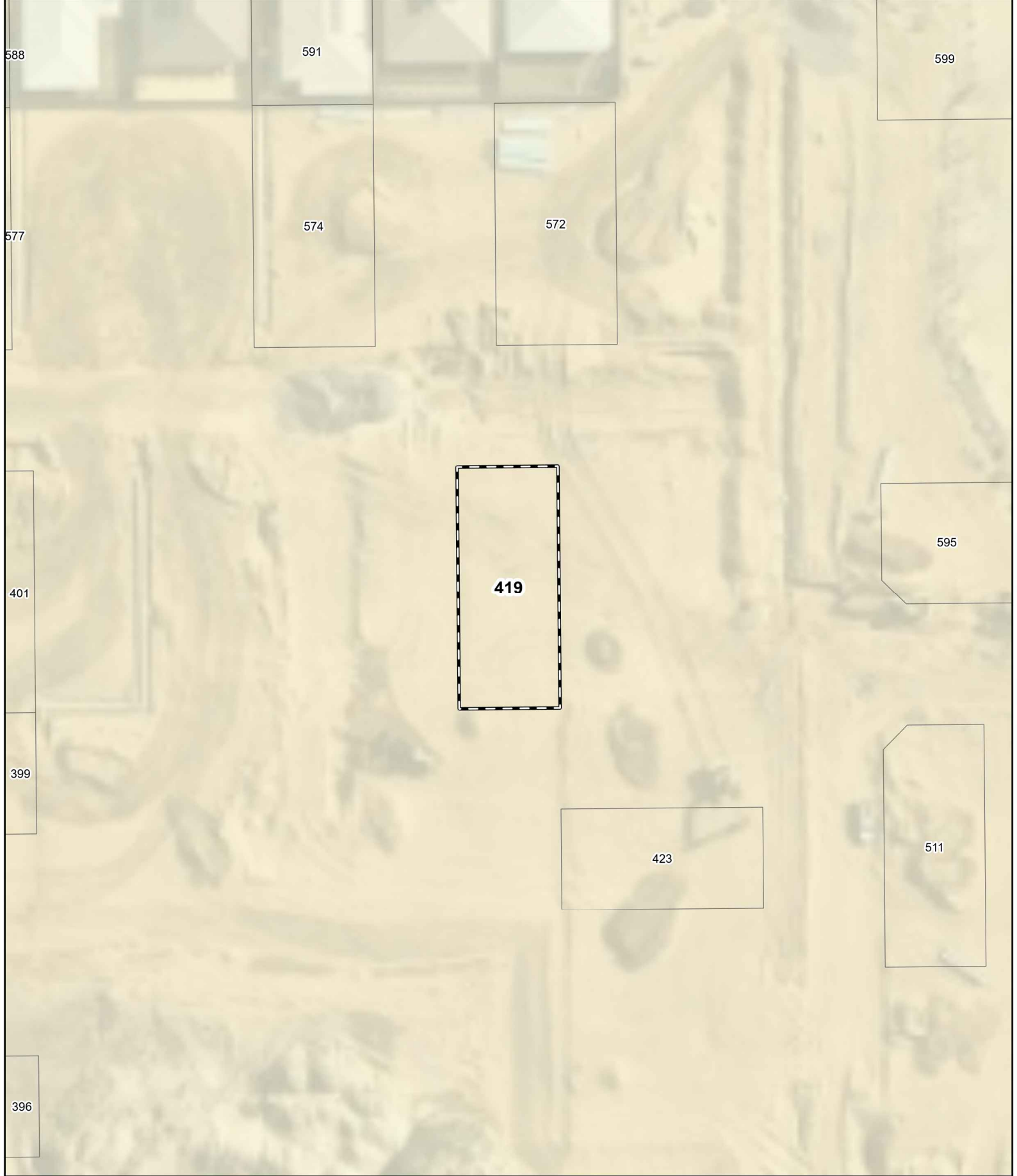
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







Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

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 3959-2009

## Site Details

<b>Address:</b>	Lot 423 Westralia Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021



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



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 511 Goulburn Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

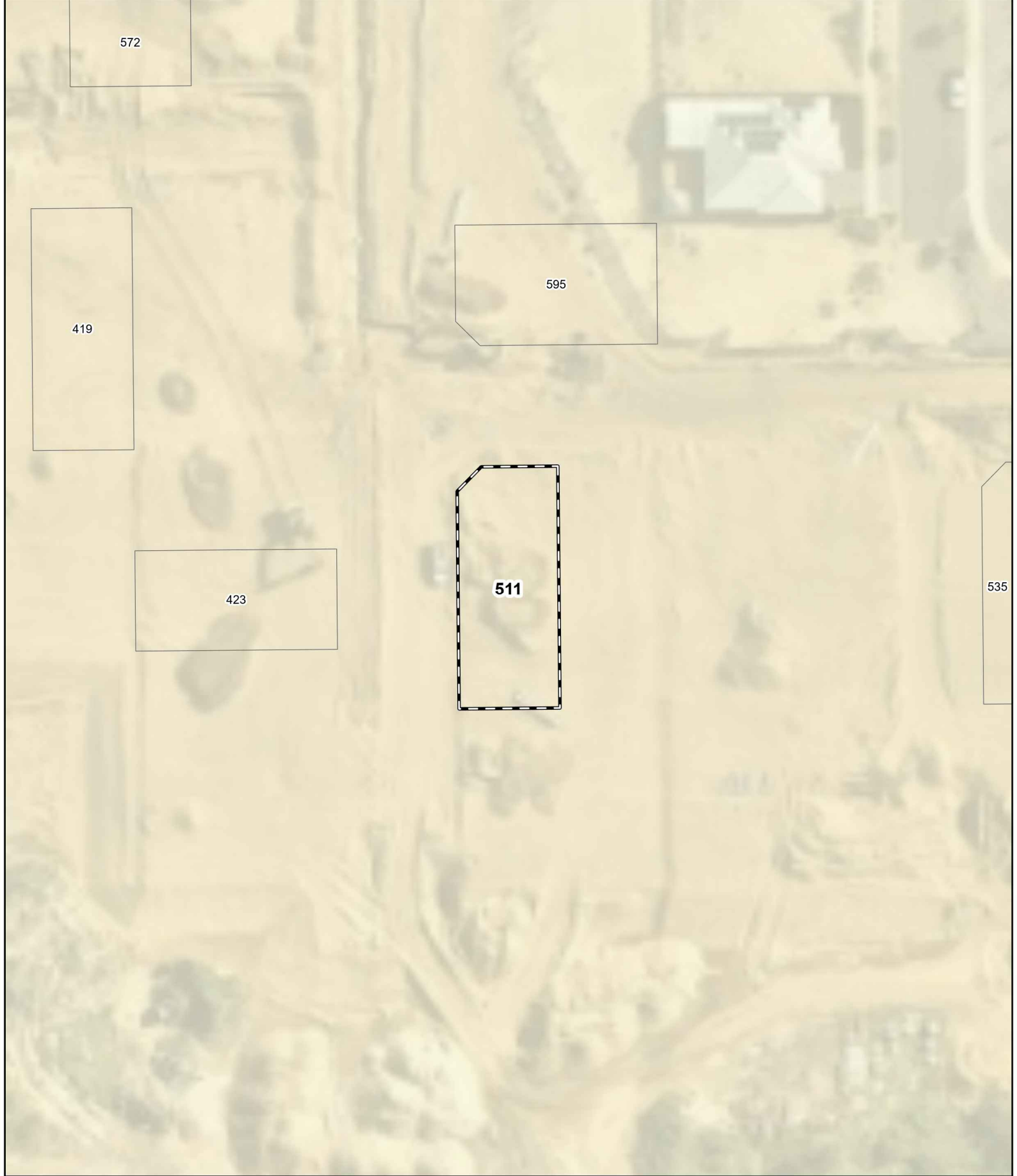
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

**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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 535 Goulburn Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 


**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 537 Goulburn Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

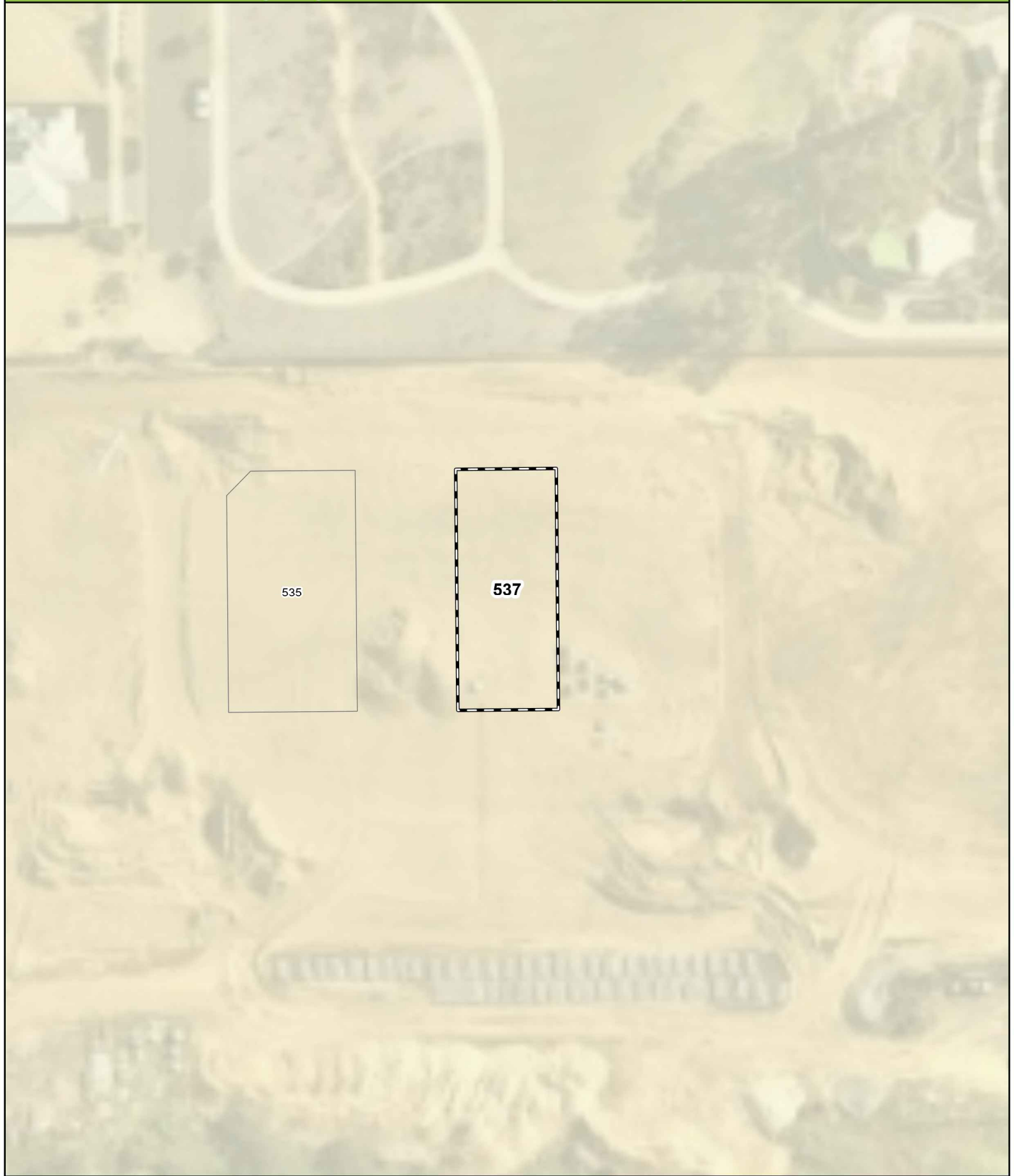
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







Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 572 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

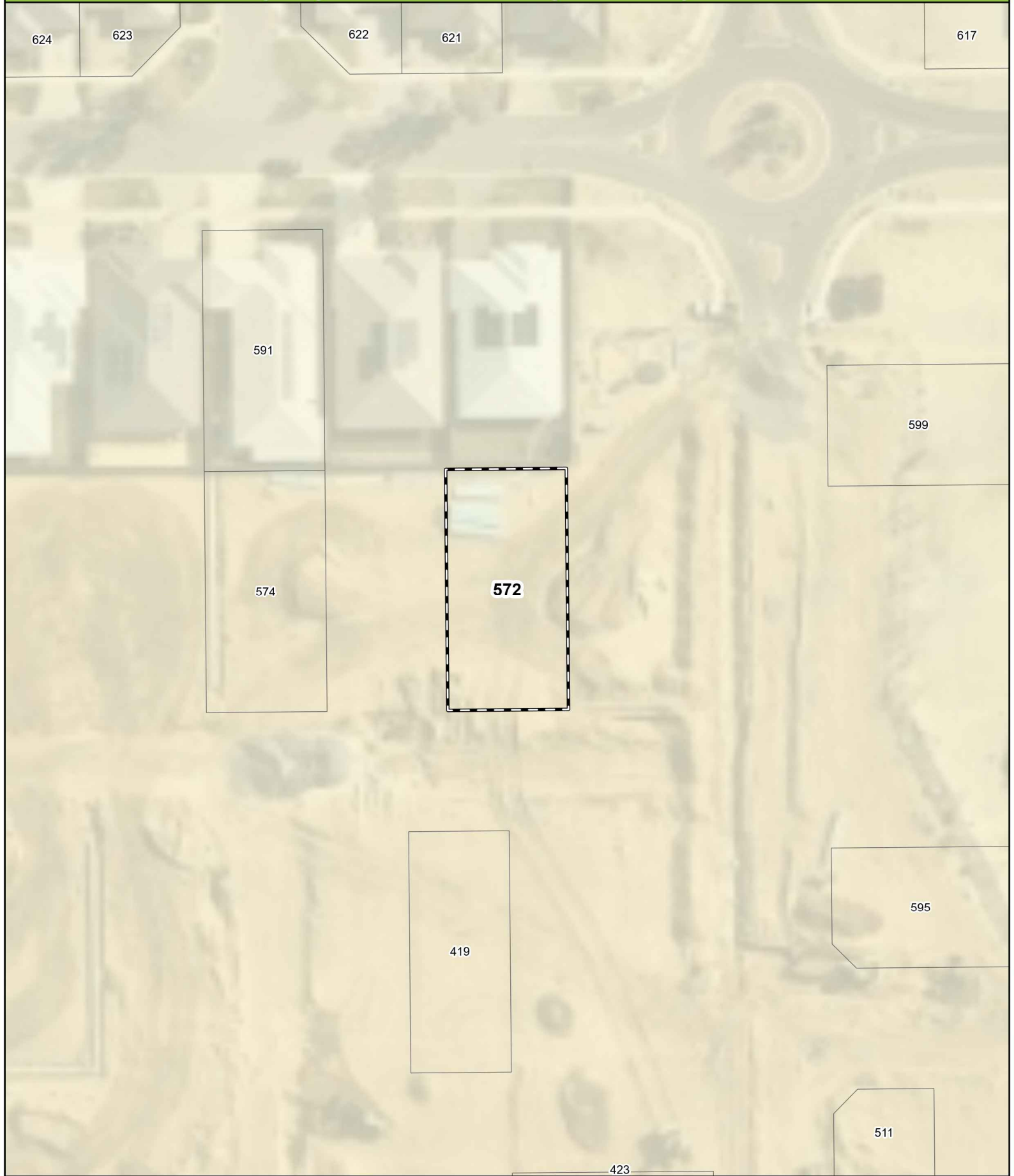
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



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



**Legend**  
[Dashed black box] Lot location  
[Blue outline box] 100m site assessment

Bushfire Attack Level (BAL)	
[Red box]	BAL - FZ
[Orange box]	BAL - 40
[Yellow box]	BAL - 29
[Blue box]	BAL - 19
[Light blue box]	BAL - 12.5
[Light green box]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 574 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

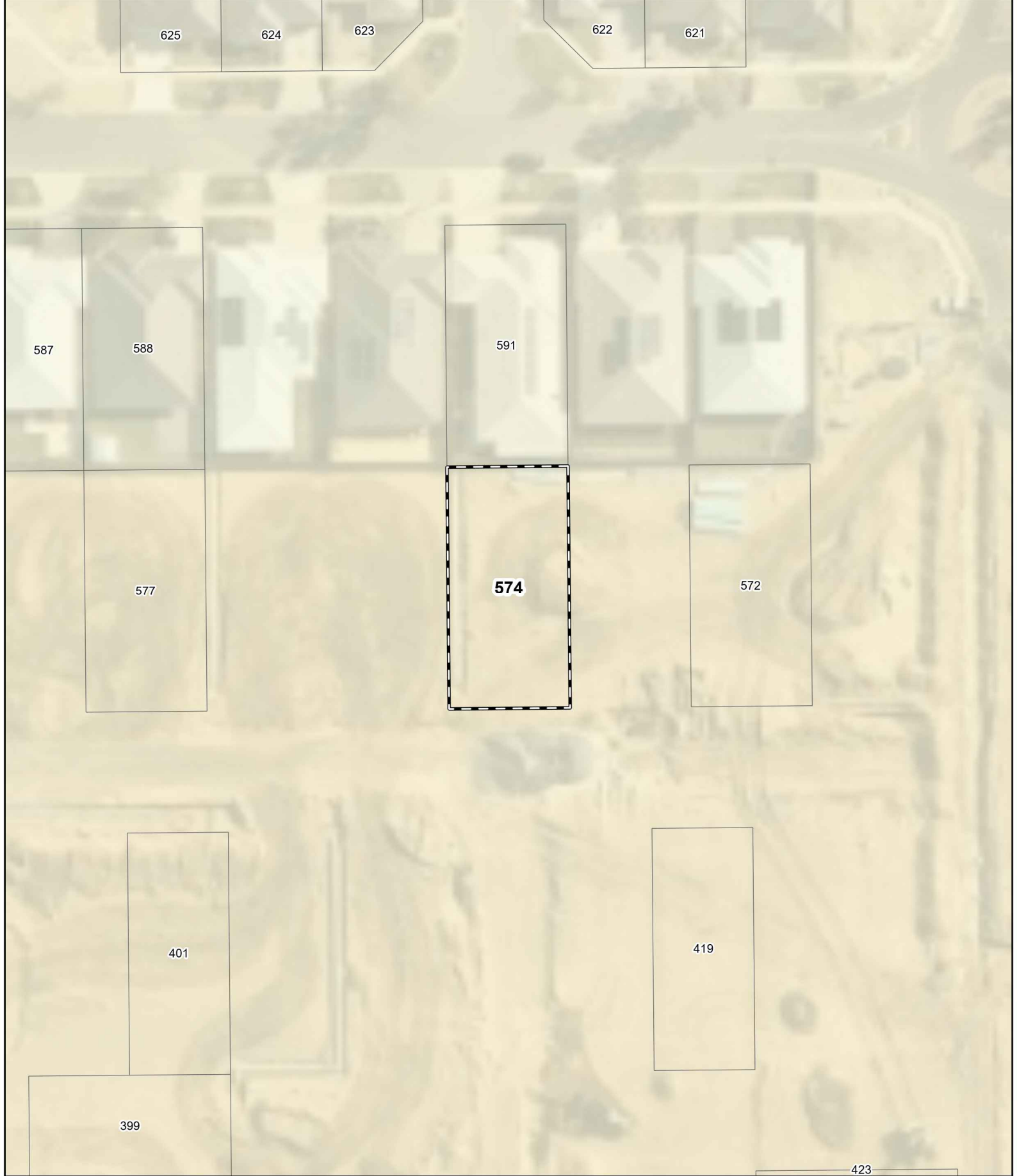
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 577 #11 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

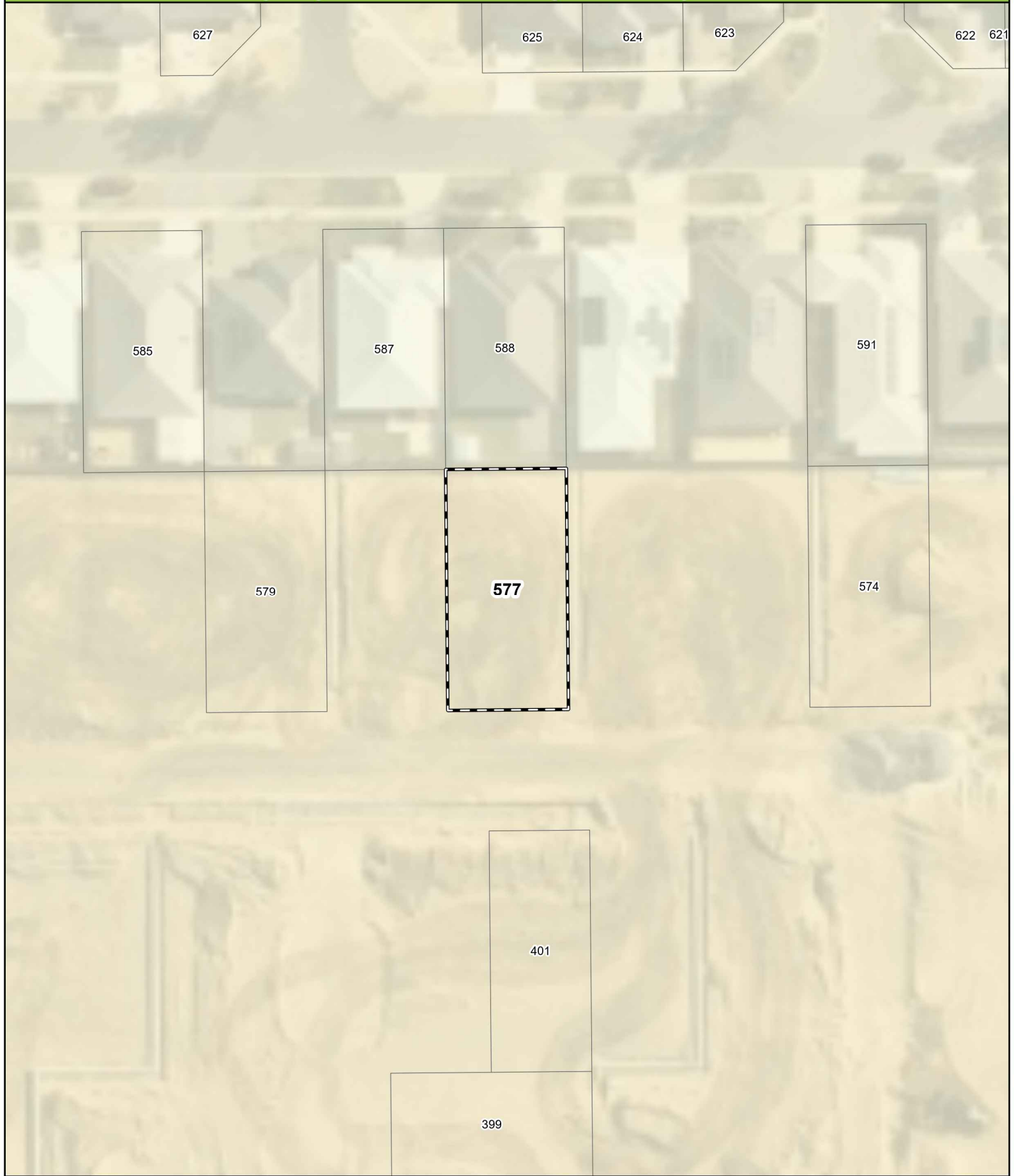
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 577 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 579 #7 Bathurst Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

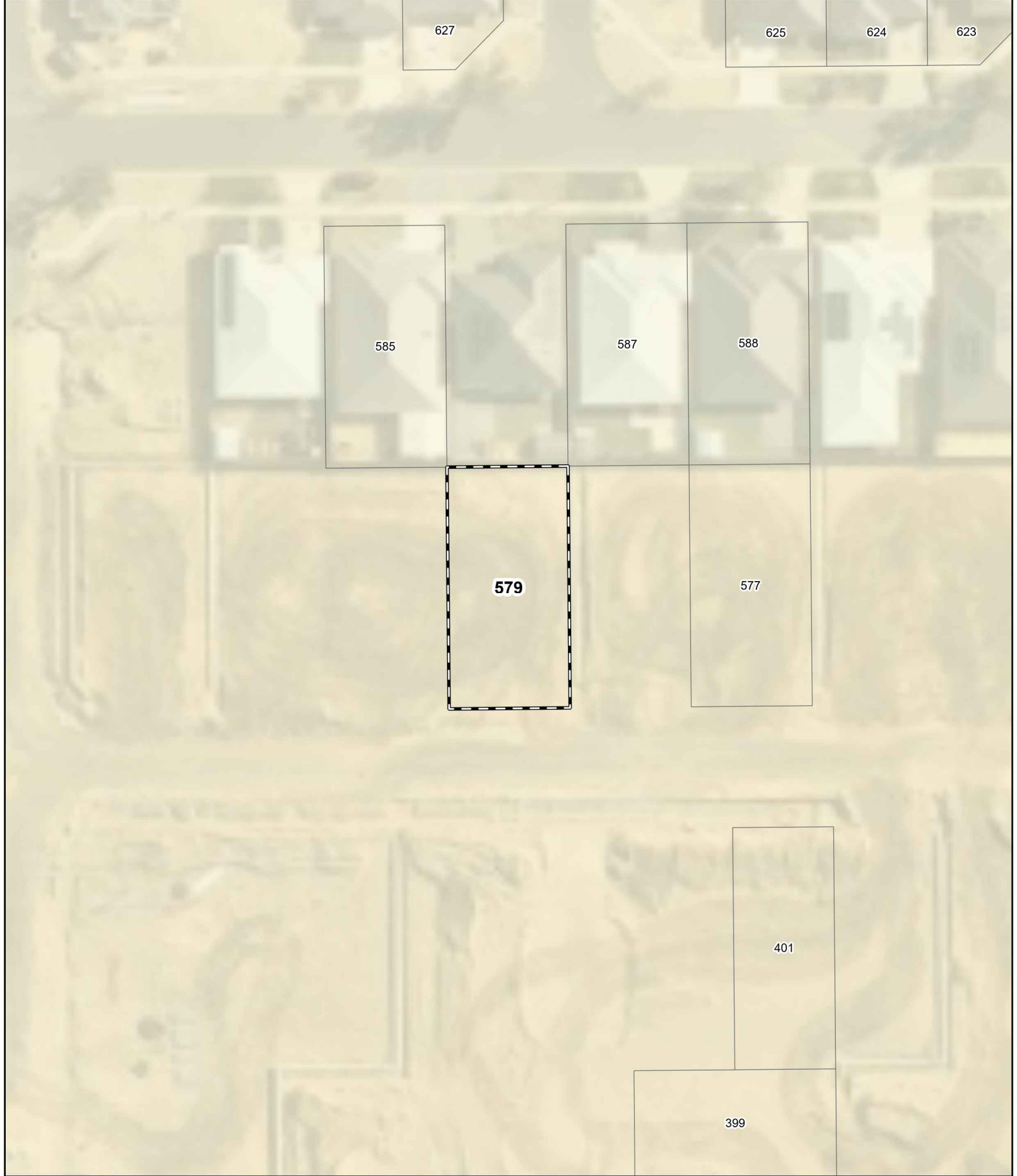
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 579 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 585 #14 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

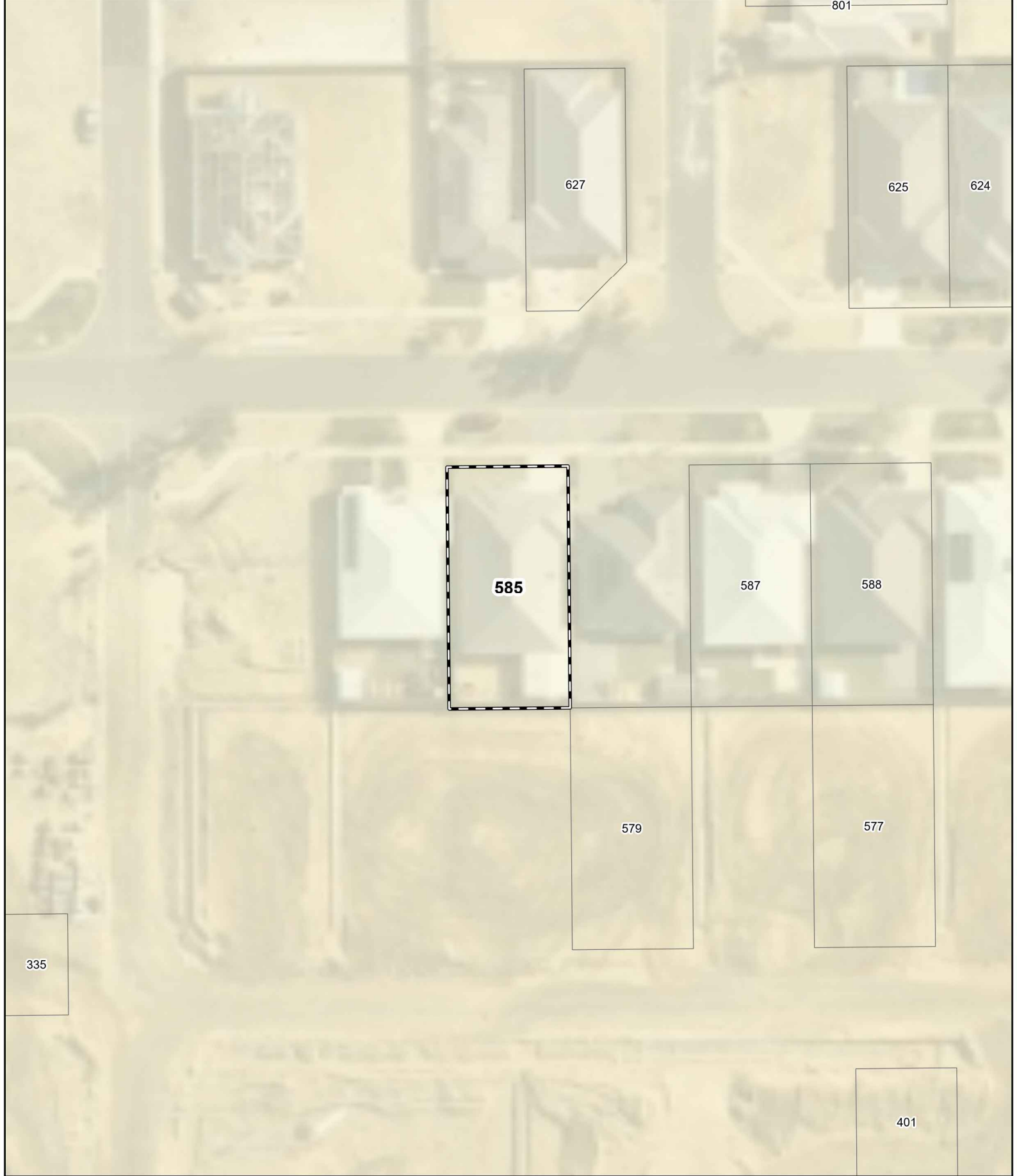
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 585 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 587 #18 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

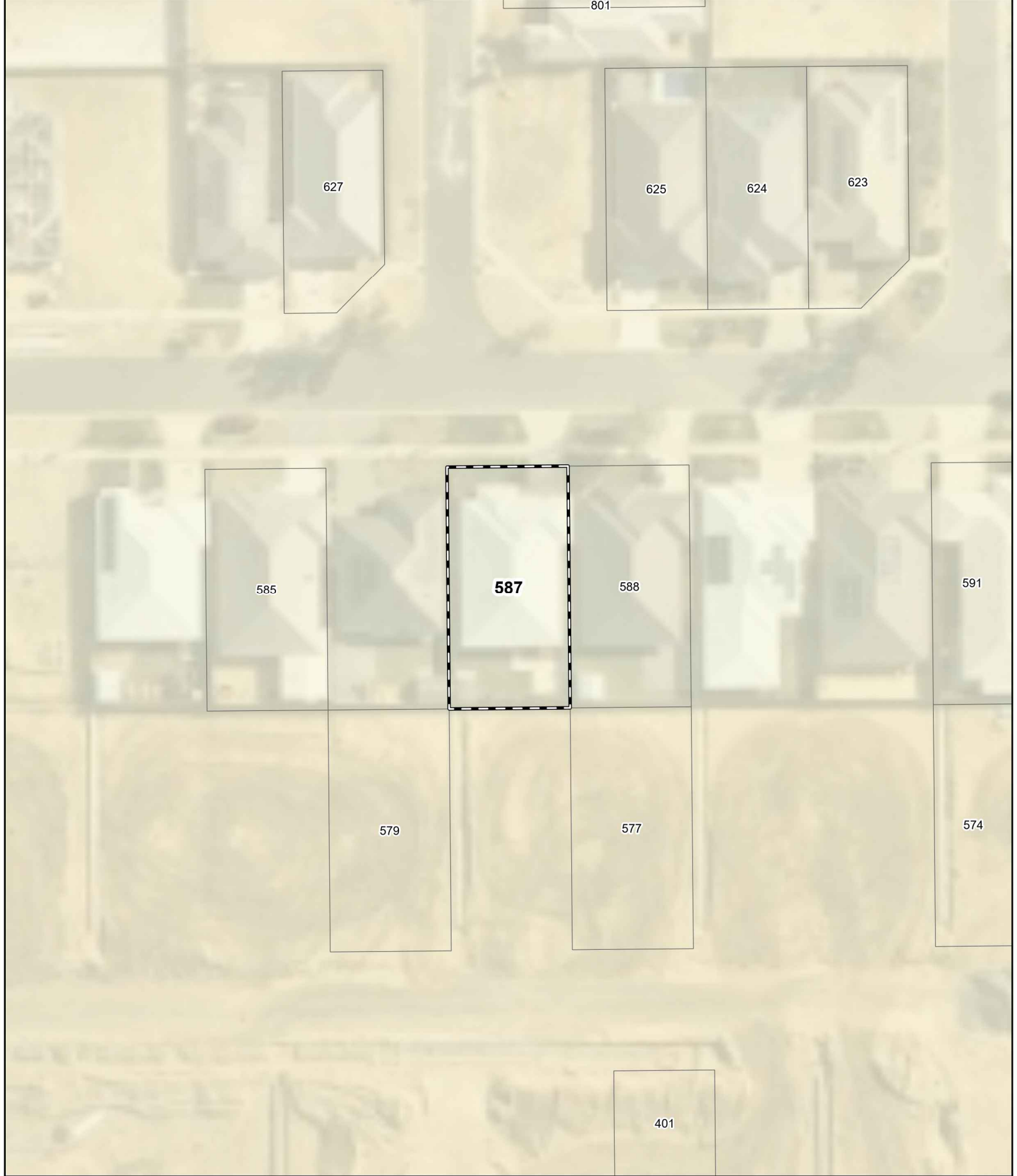
**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 587 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 588 #20 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

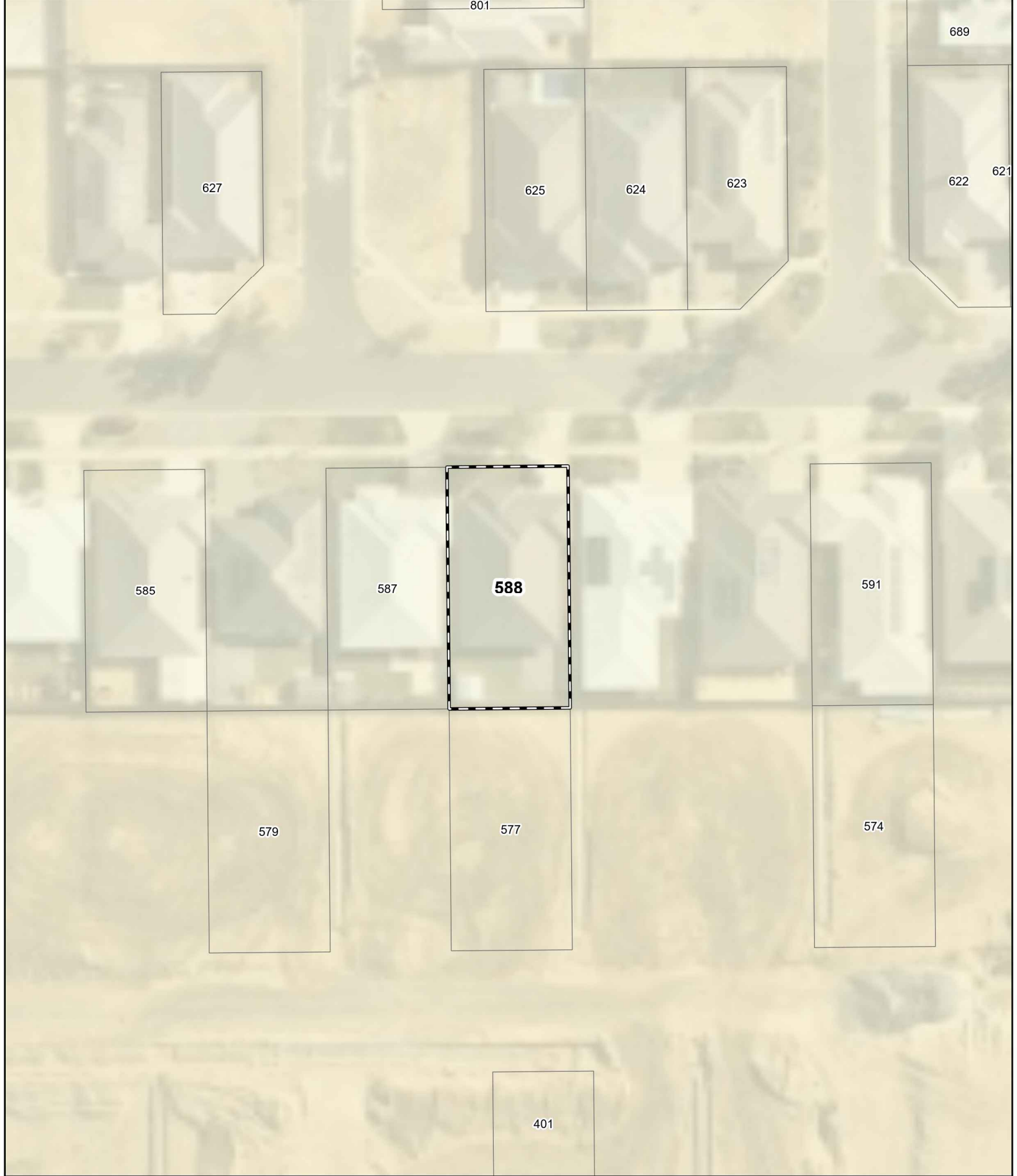
**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 588 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 591 #26 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

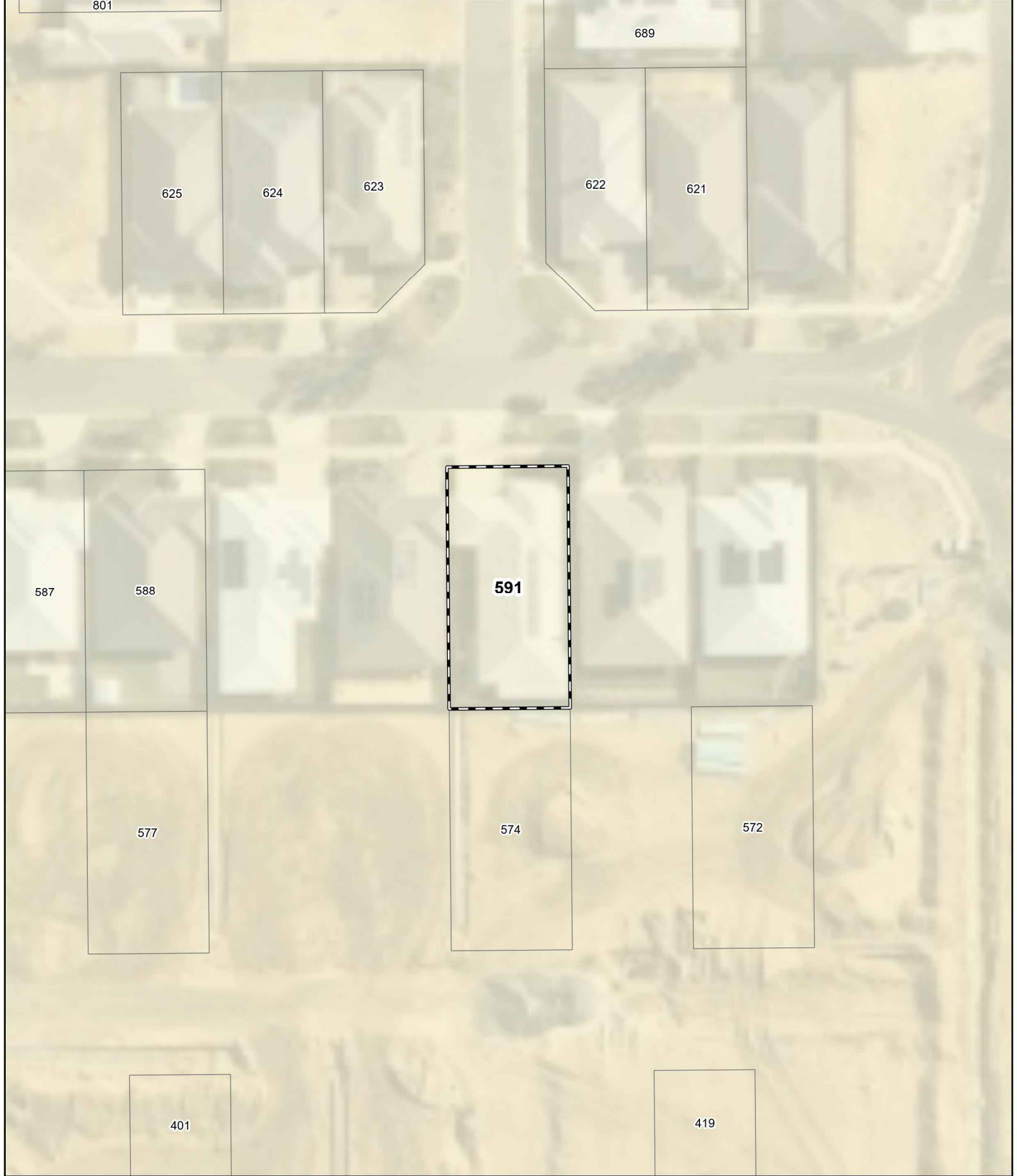
**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 591 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Very Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 595 Westralia Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

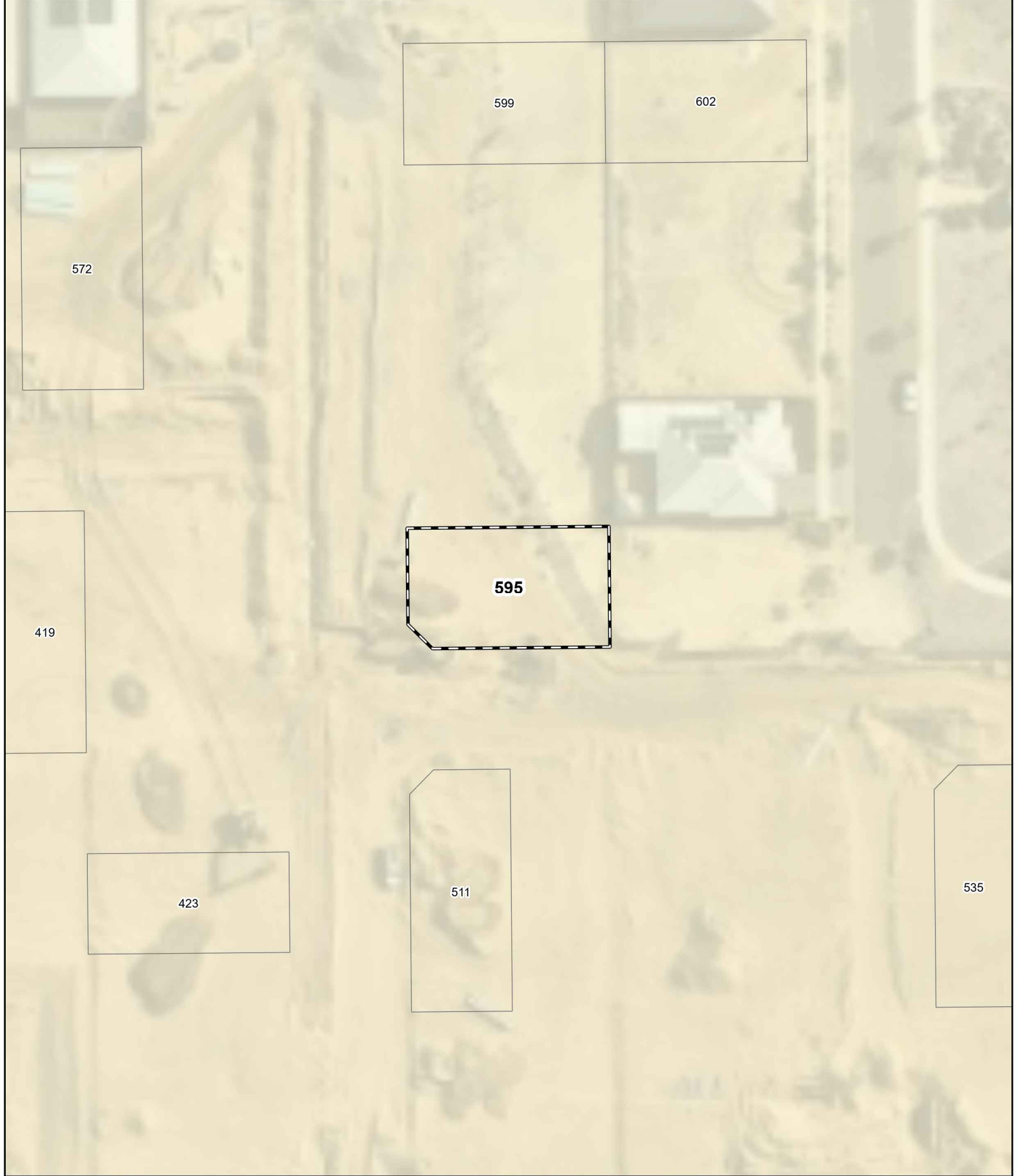
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



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



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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



**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 599 Westralia Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

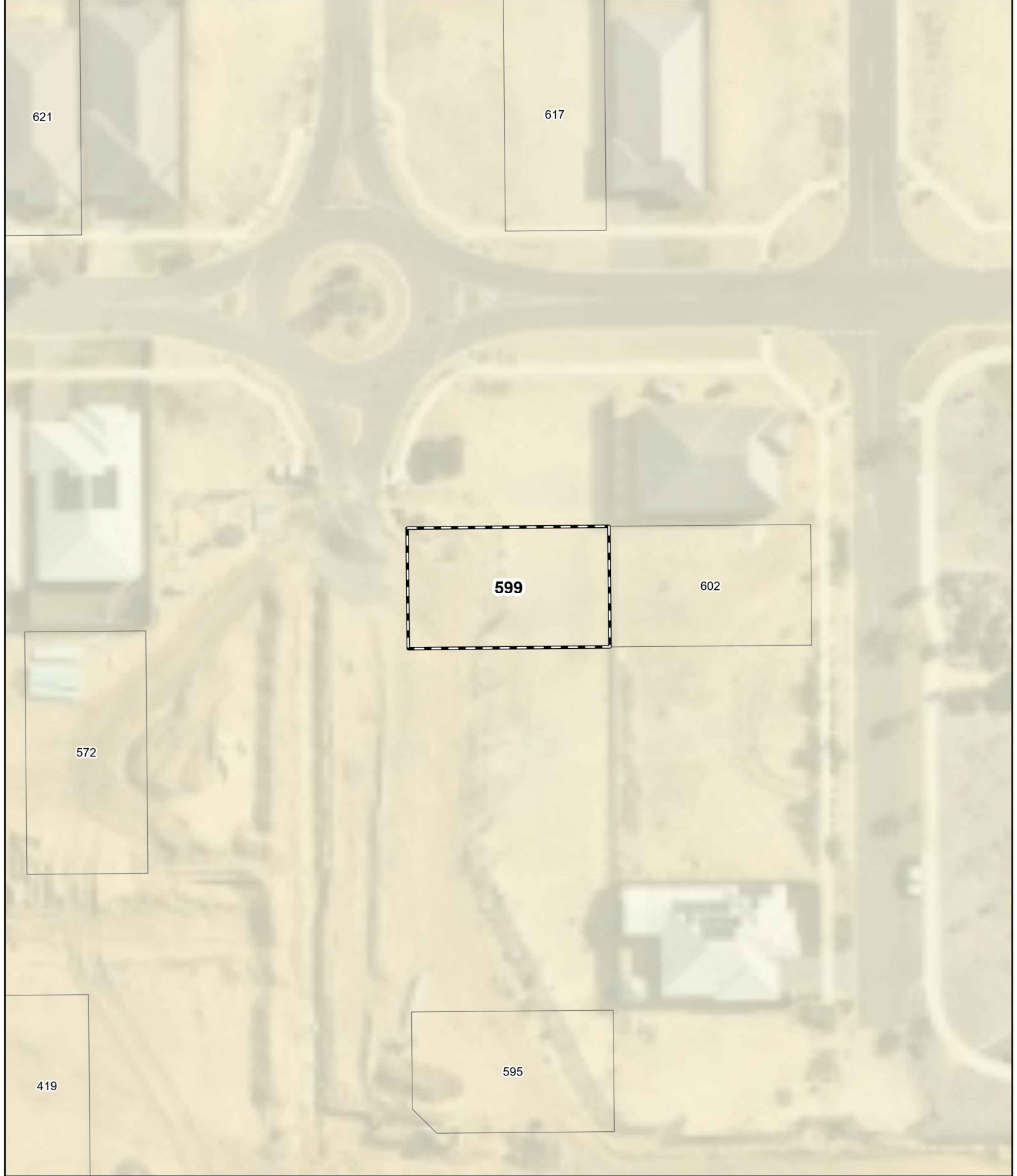
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

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



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 602 #33 Quadrant Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

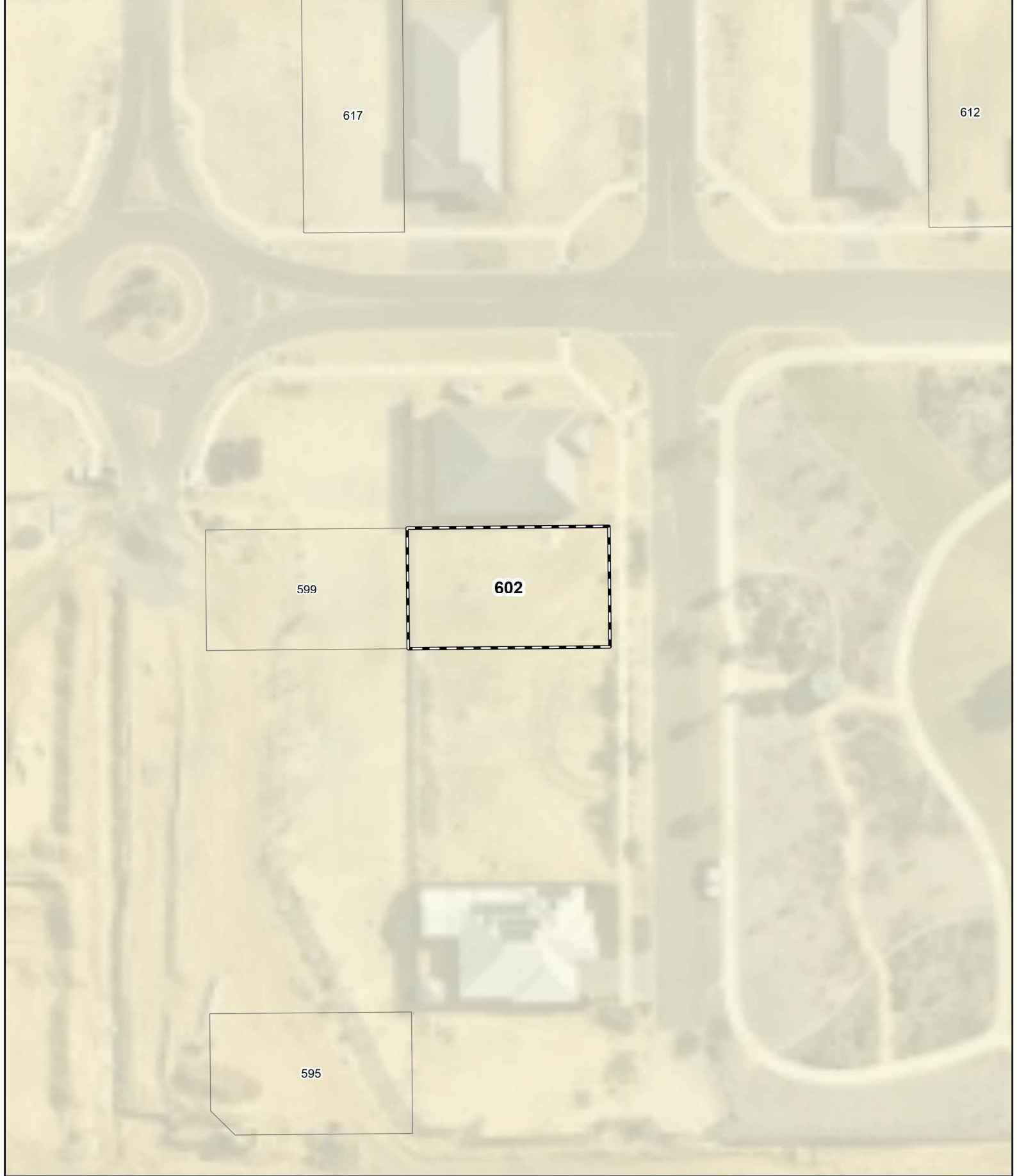
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

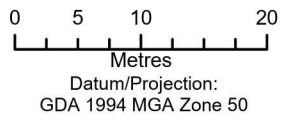
# Bushfire Attack Level (BAL) Contours - Lot 602 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 608 #57 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

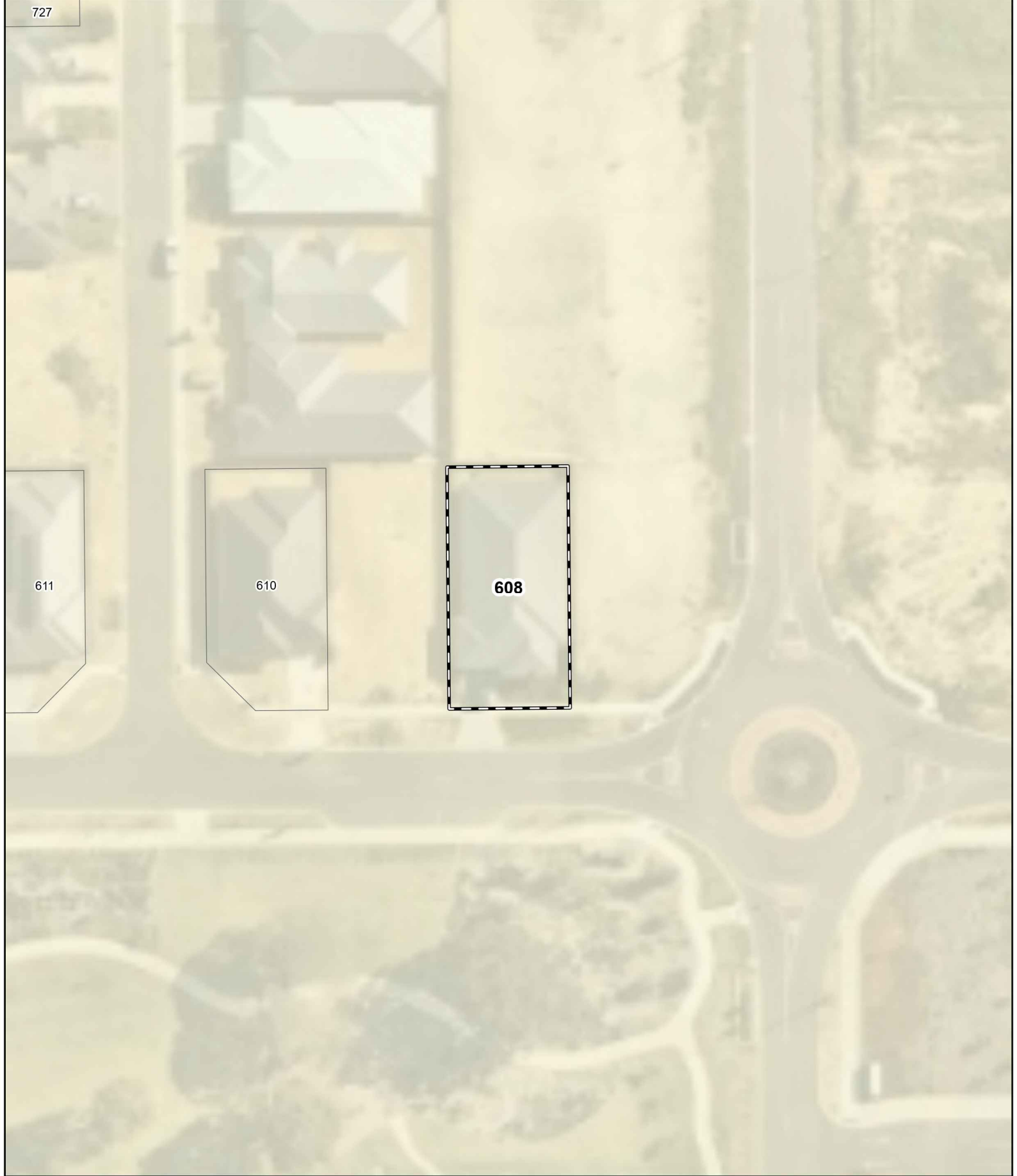
**Certificate Date:** 15/12/2020




Accreditation No: BPAD 37802  
Expiry: December 2021







# Bushfire Attack Level (BAL) Contours - Lot 608 (BAL - LOW)

727



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

**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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 610 #53 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

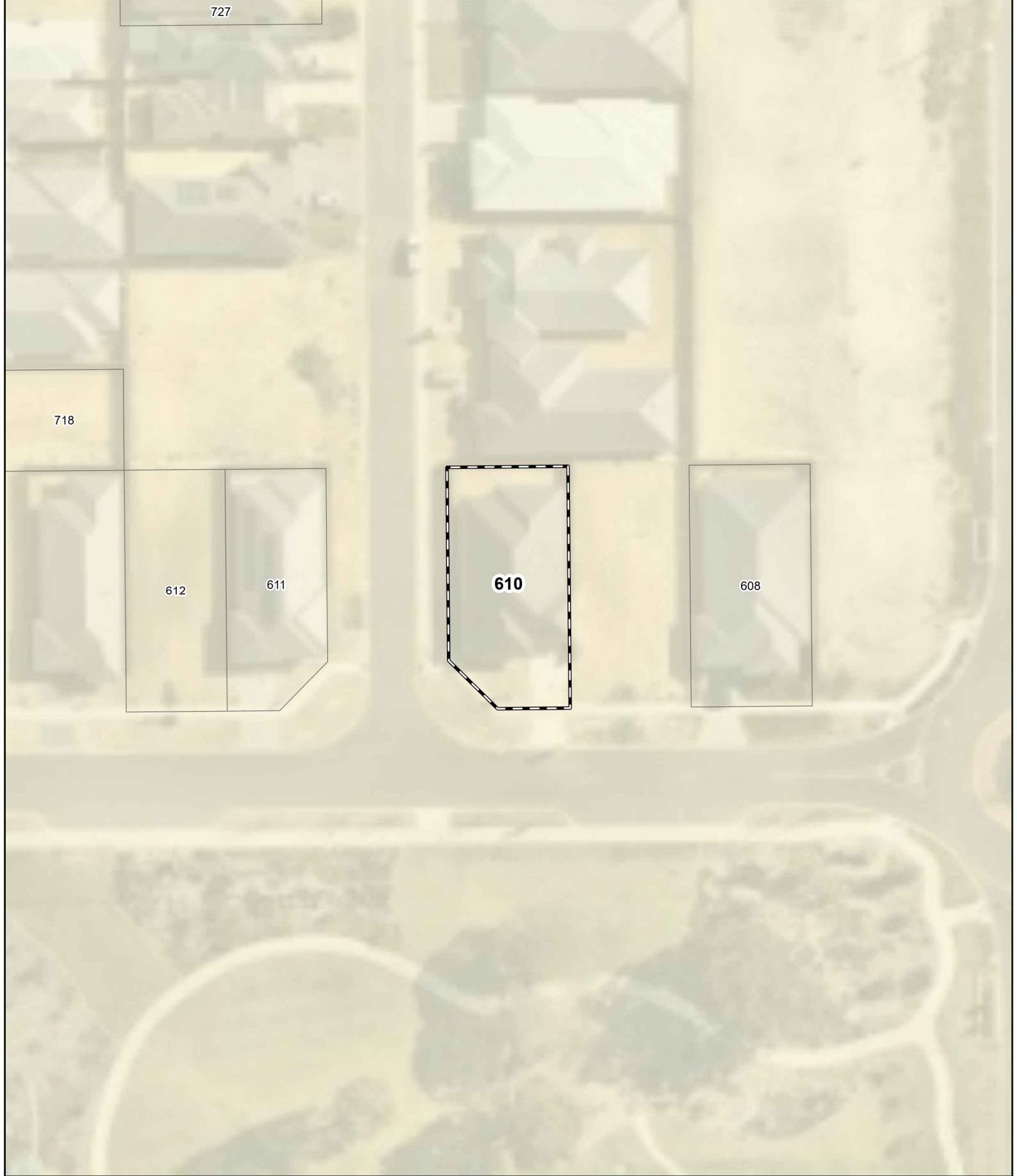
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 610 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 611 #51 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

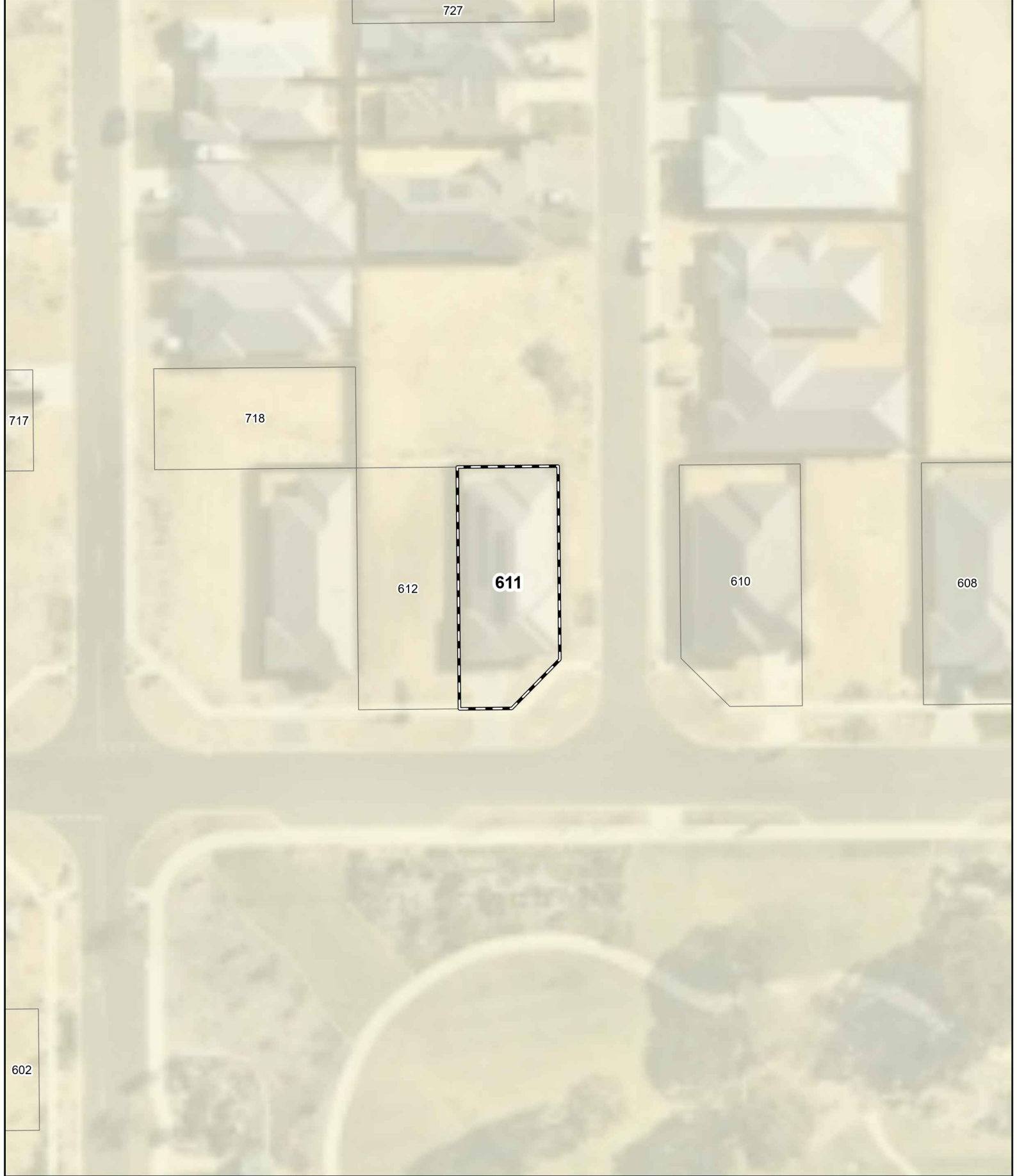
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 611 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 612 #49 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

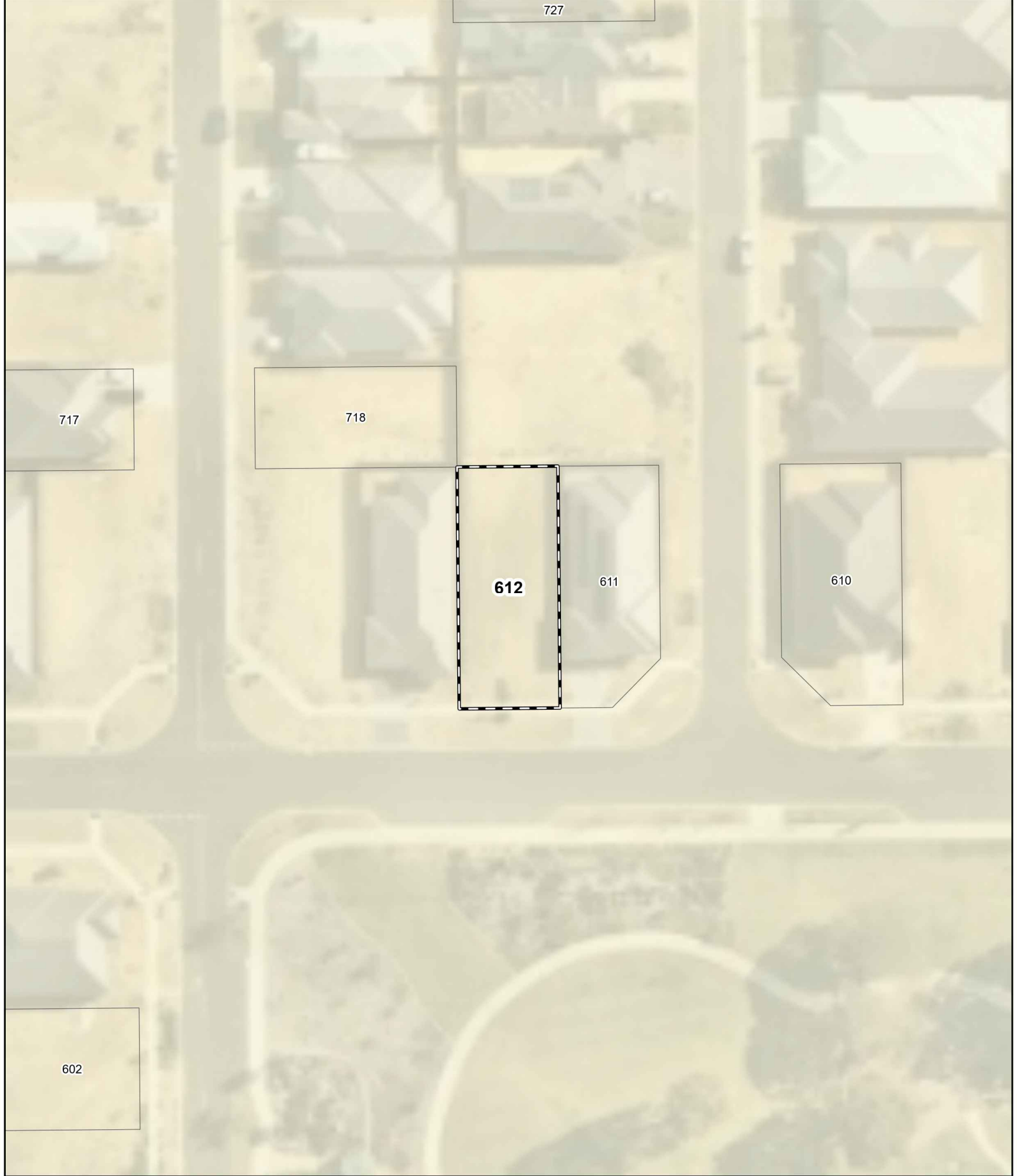
**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 612 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 617 #39 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

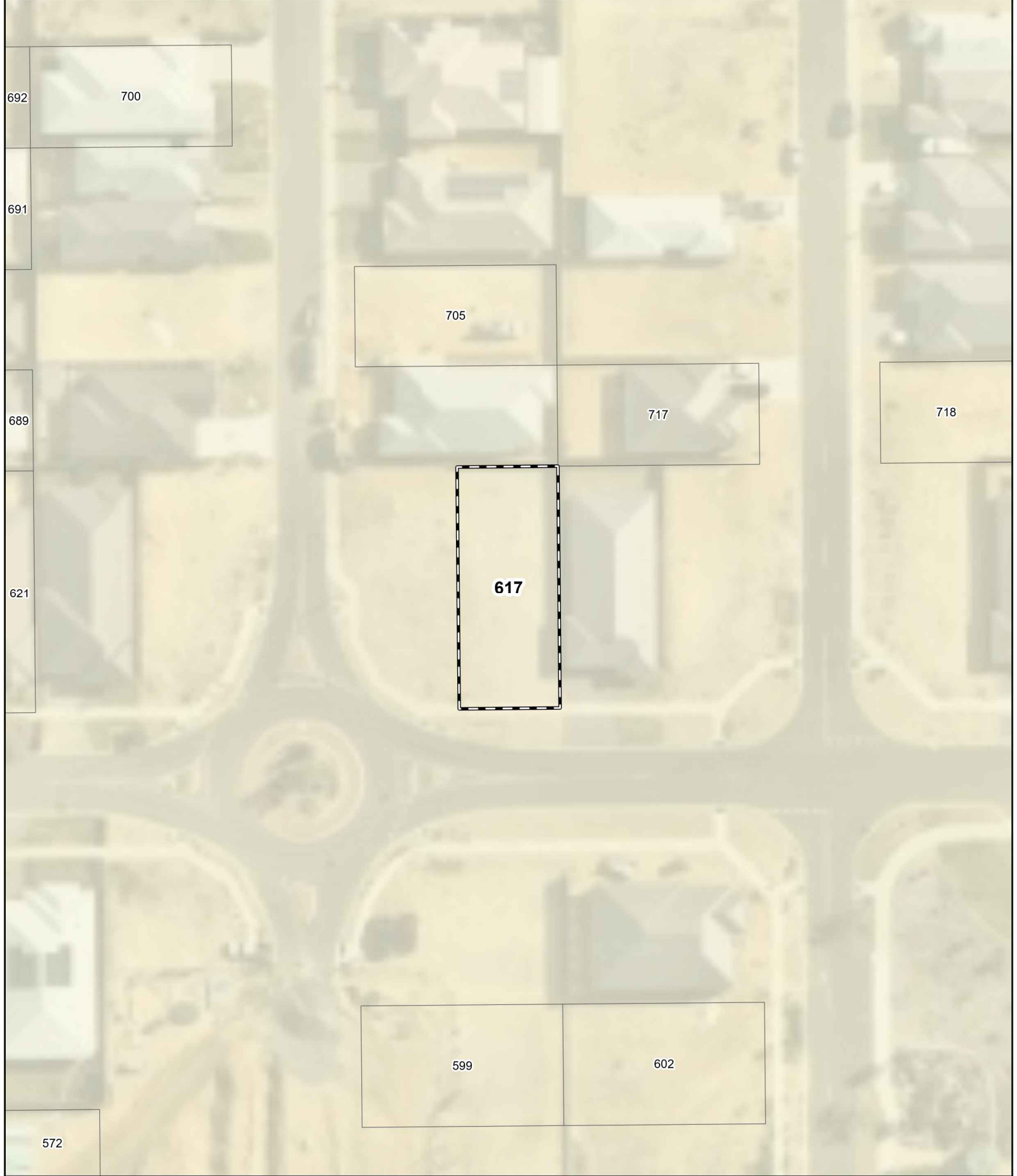
**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 617 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue box] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

**N**  
**eco logical AUSTRALIA**  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 621 #31 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

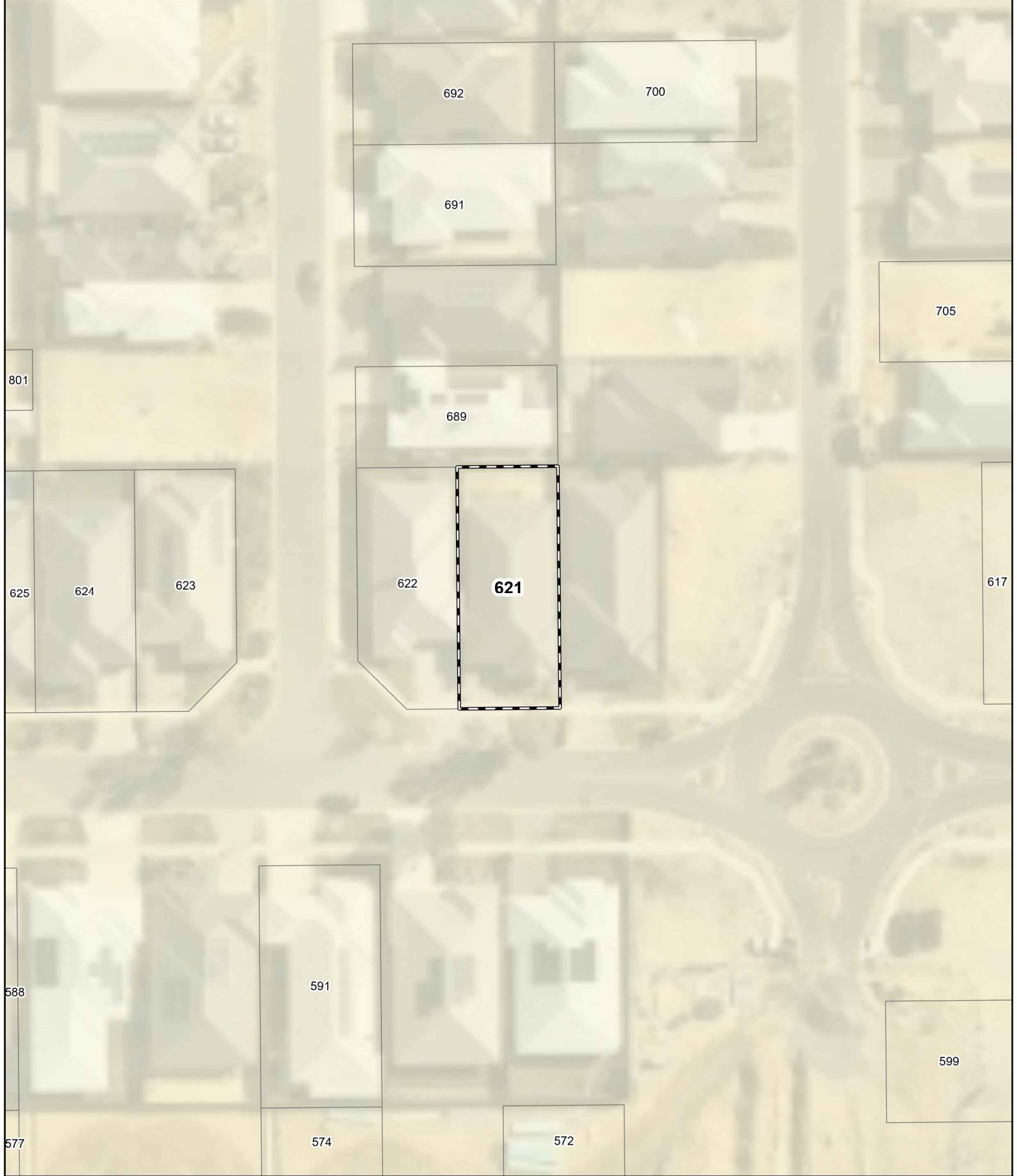
**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 621 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 622 #29 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

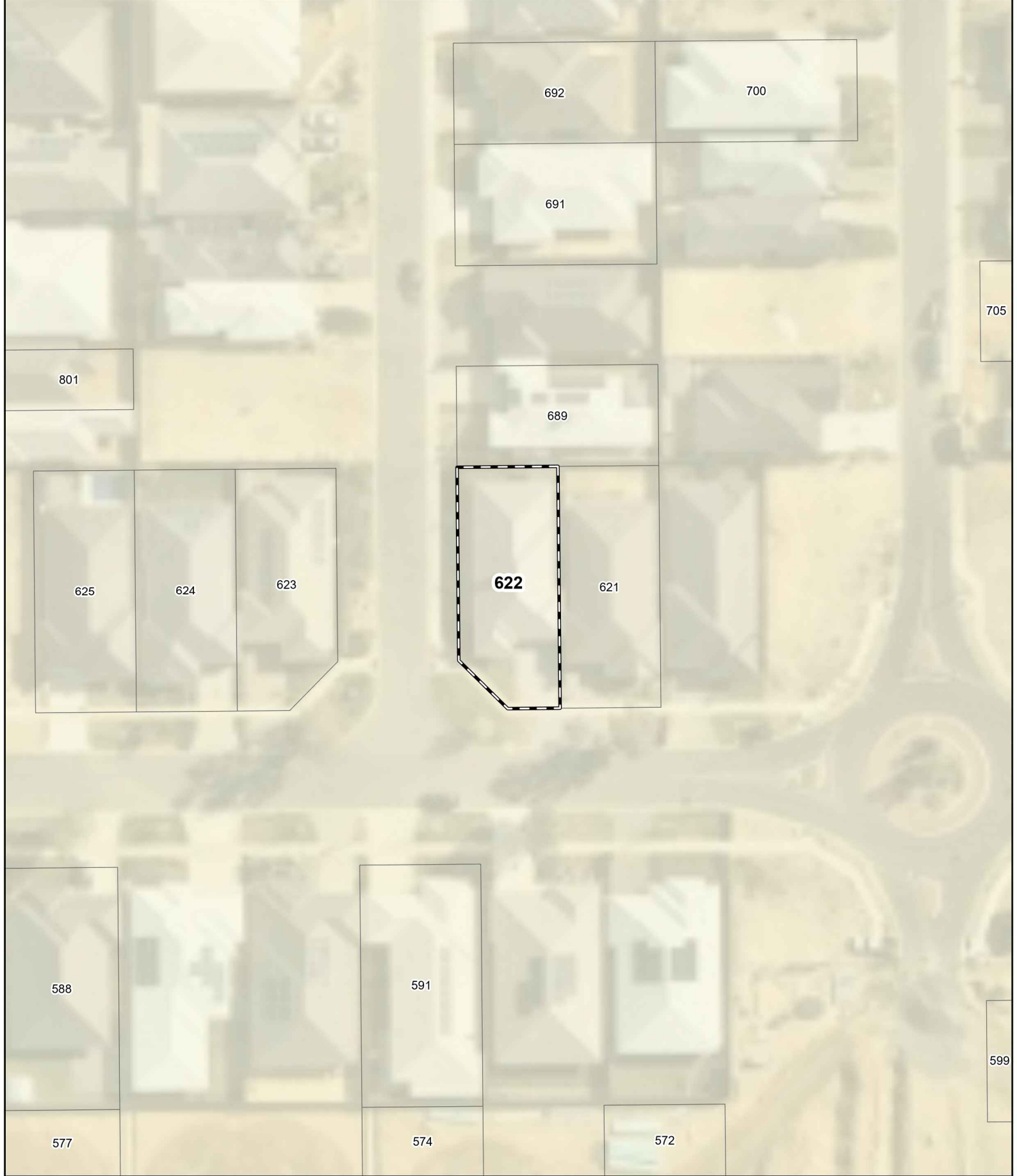
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 622 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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



**eco**  
**logical**  
AUSTRALIA  
A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 623 #25 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

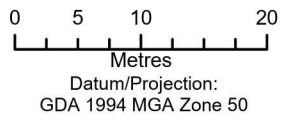
# Bushfire Attack Level (BAL) Contours - Lot 623 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 624 #23 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

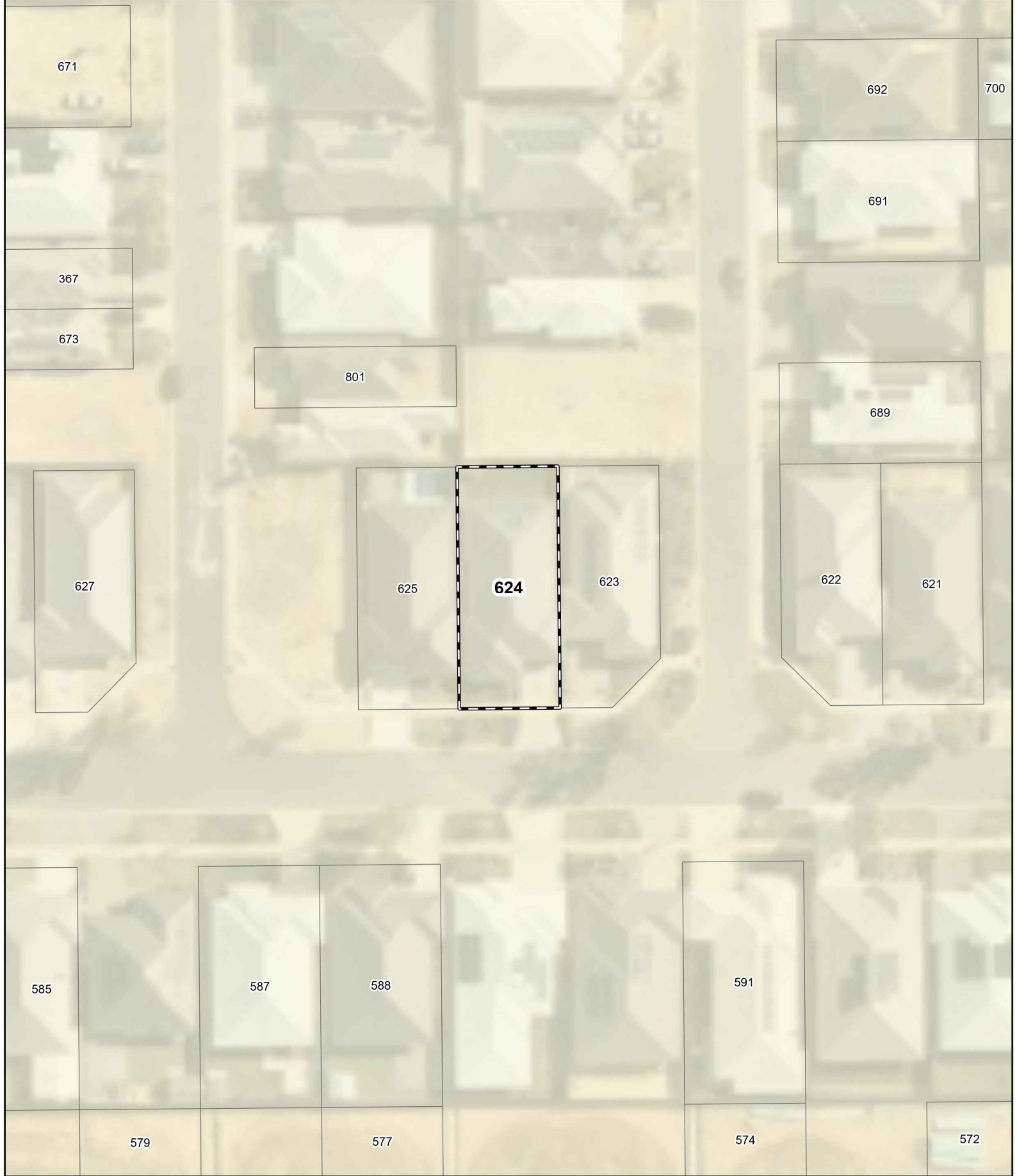
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 624 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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

 **eco logical**  
 AUSTRALIA  
 A TETRA TECH COMPANY  
 Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 625 #21 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

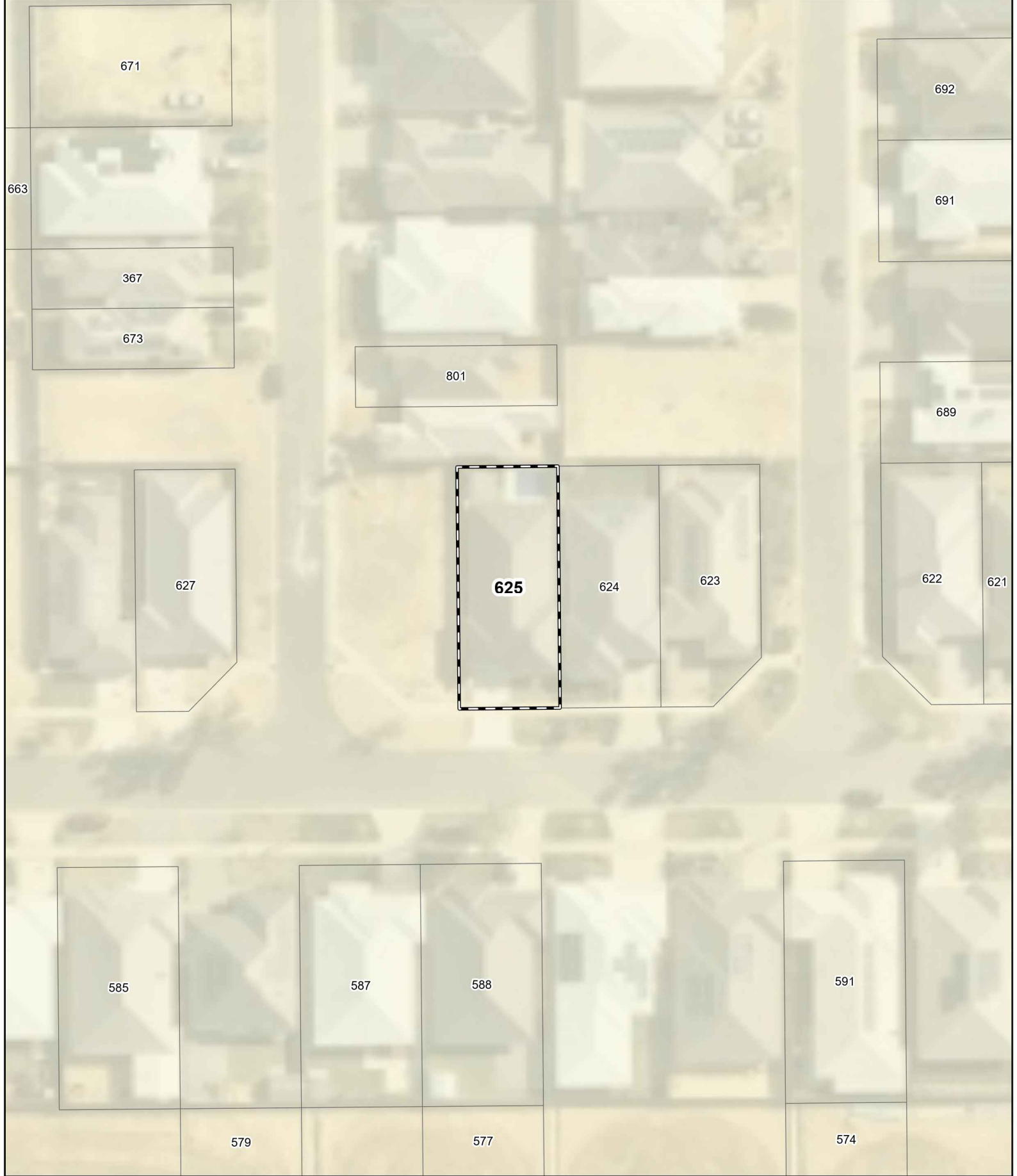
**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021









# Bushfire Attack Level (BAL) Contours - Lot 625 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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



**eco logical**  
 AUSTRALIA  
 A TETRA TECH COMPANY

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 627 #15 Shepparton Boulevard, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

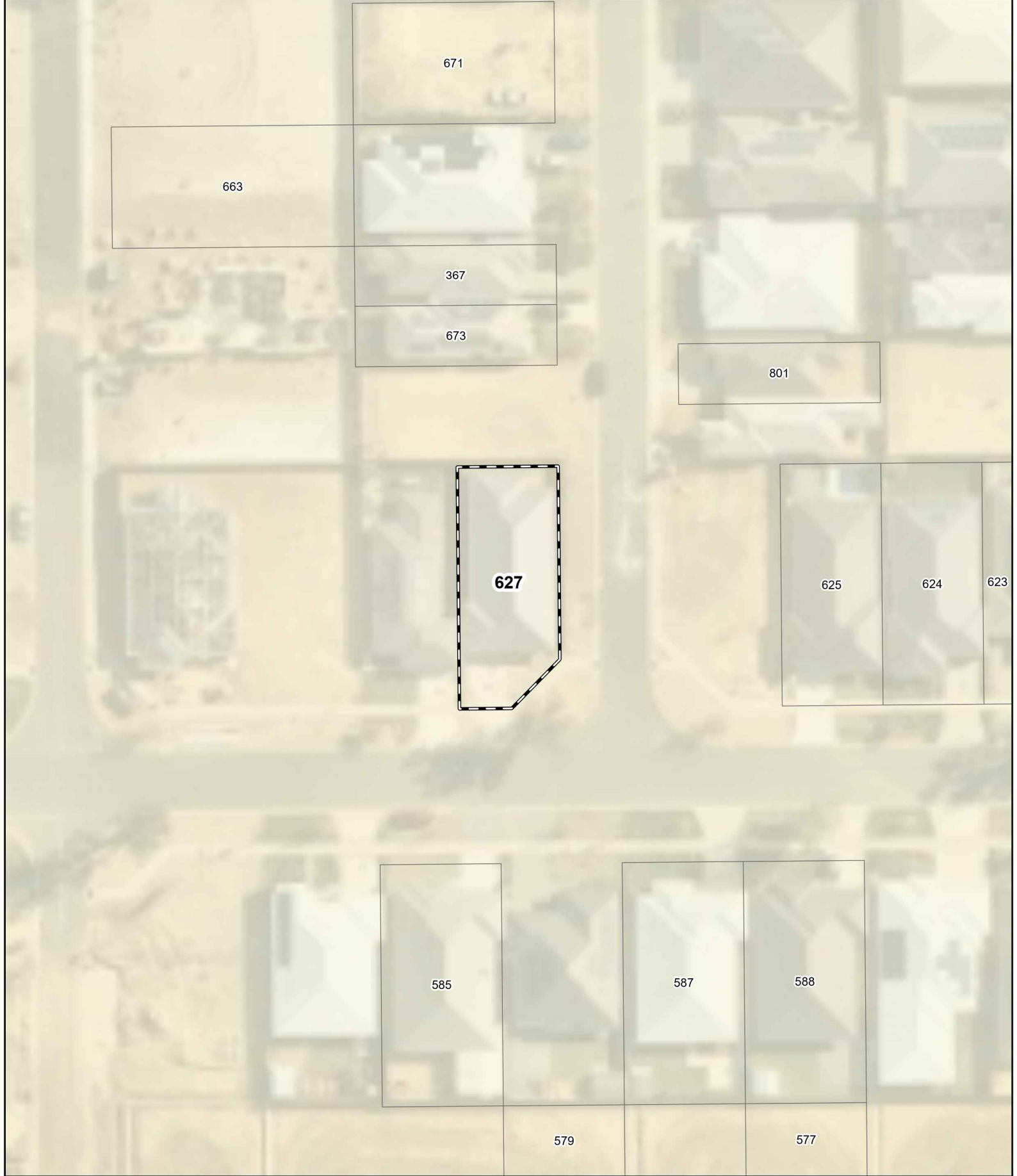
**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 627 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

**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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 663 (#30) Lismore Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 663 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 671 #11 Choules Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 671 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 673 #5 Choules Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 673 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Blue]	BAL - 19
[Light Blue]	BAL - 12.5
[Light Green]	BAL - LOW



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

**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 689 #4 Medea Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 689 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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

  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 691 #8 Medea Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 


**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 691 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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 3959-2009

## Site Details

<b>Address:</b>	Lot 692 #10 Medea Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

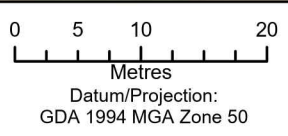
# Bushfire Attack Level (BAL) Contours - Lot 692 (BAL - LOW)



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

**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 3959-2009

## Site Details

<b>Address:</b>	Lot 700 #61 Westralia Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 700 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

N  
**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 705 #54 Westralia Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020



Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 705 (BAL - LOW)



**Legend**  
[Dashed box] Lot location  
[Blue outline] 100m site assessment

Bushfire Attack Level (BAL)	
[Red]	BAL - FZ
[Orange]	BAL - 40
[Yellow]	BAL - 29
[Light Blue]	BAL - 19
[Lighter Blue]	BAL - 12.5
[Lightest Blue]	BAL - LOW



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

**eco logical**  
AUSTRALIA  
A TETRA TECH COMPANY  
Project: 16846-SM Date: 10/12/2020

# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 717 #39 Quadrant Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 717 (BAL - LOW)



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

**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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# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 718 #40 Quadrant Parkway, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

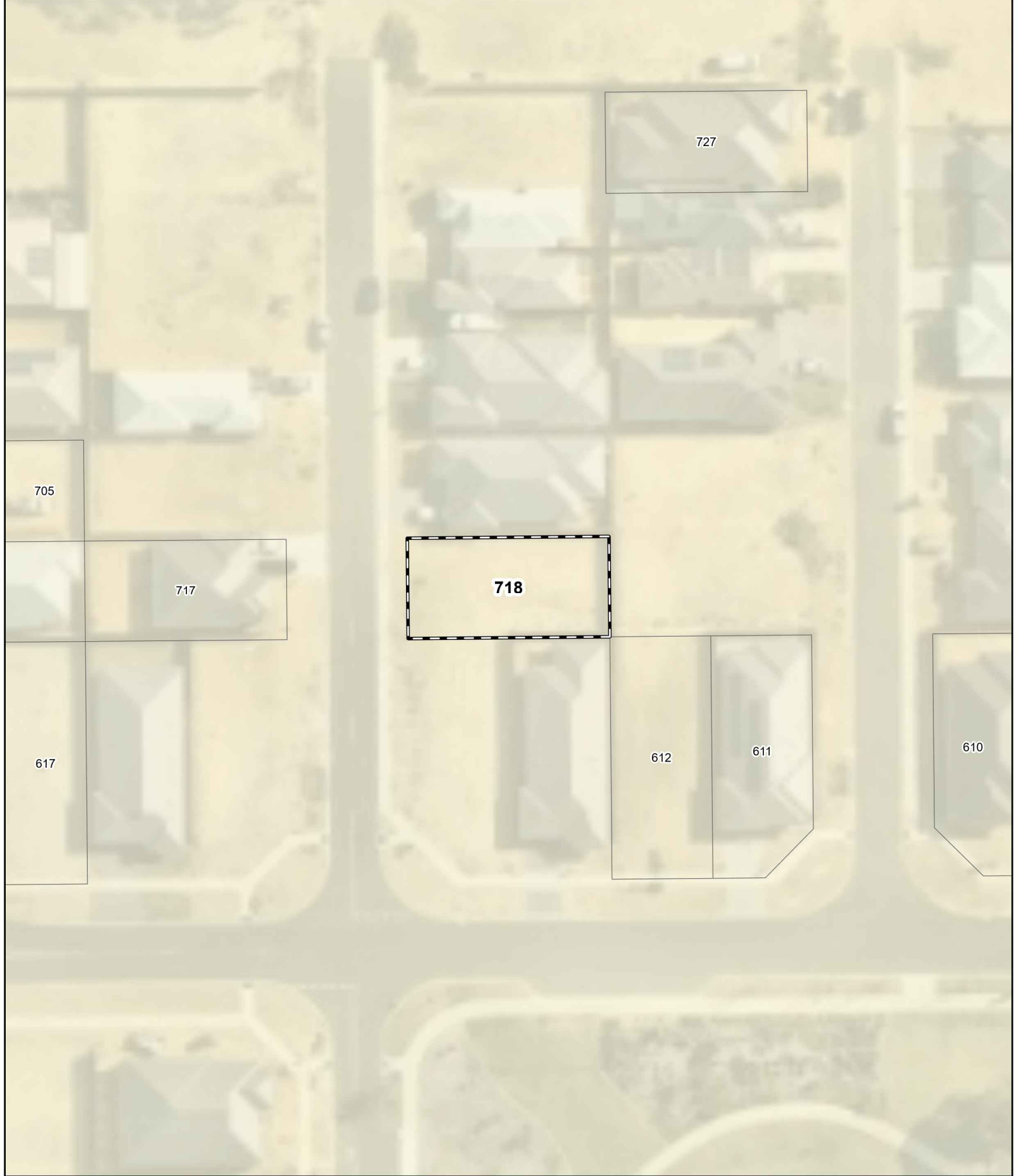
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 718 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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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# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 727 #13 Ararat Road, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

**Signature:** 

**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021



# Bushfire Attack Level (BAL) Contours - Lot 727 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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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# Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959-2009

## Site Details

<b>Address:</b>	Lot 801 # Choules Street, Beenyup Grove Estate		
<b>Suburb:</b>	Byford, 6122	<b>State:</b>	WA
<b>Local Government Area:</b>	Shire of Serpentine Jarrahdale		
<b>Use of building</b>	Residential Dwelling	<b>Main BCA class:</b>	Class 1a
<b>Report / Job Number:</b>	20PER-16864	<b>Report Date:</b>	15/12/2020

## 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 3959-2009.

**Name** Daniel Panickar  
*Eco Logical Australia*

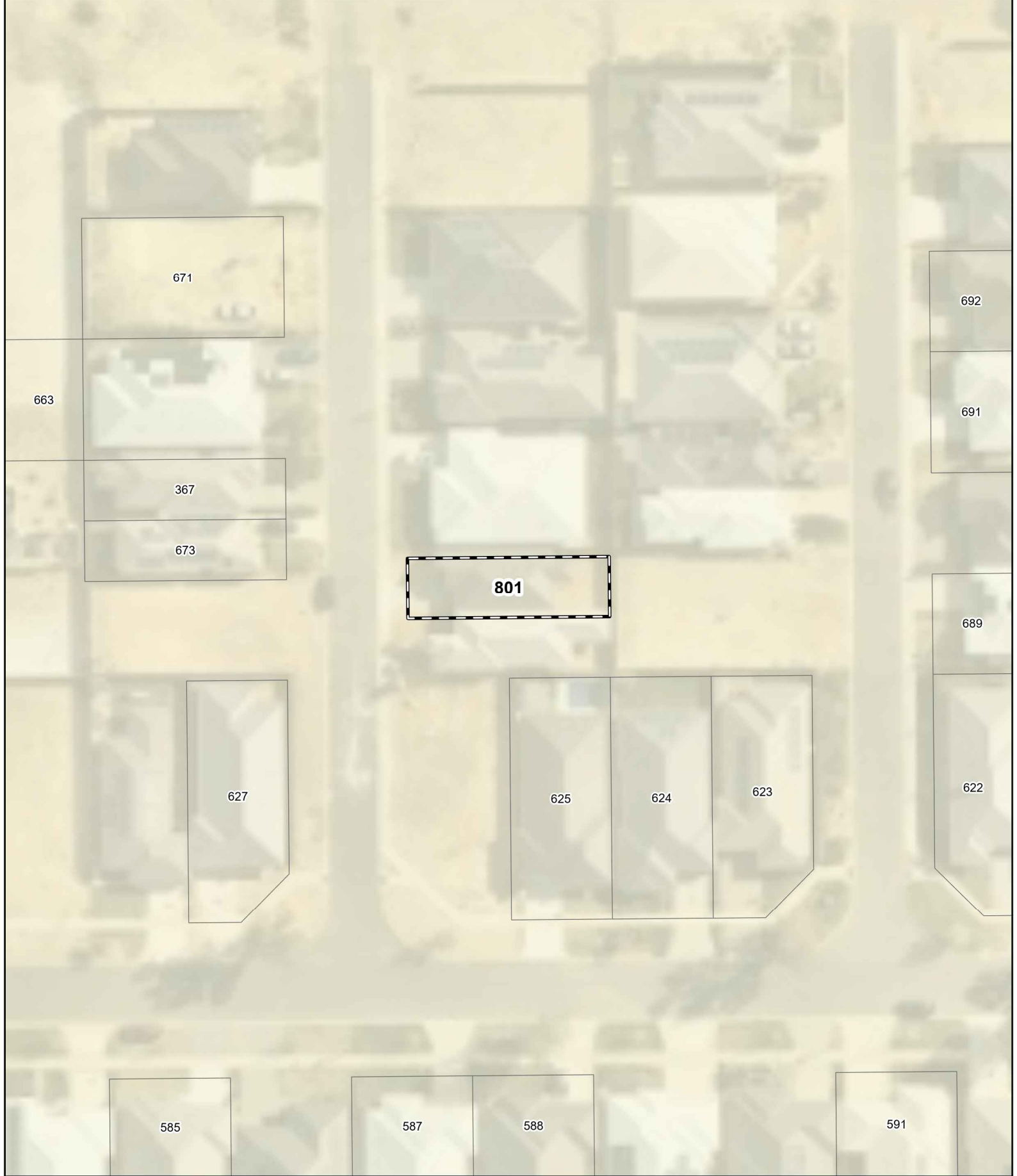
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**Certificate Date:** 15/12/2020









Accreditation No: BPAD 37802  
Expiry: December 2021

# Bushfire Attack Level (BAL) Contours - Lot 801 (BAL - LOW)



**Legend**  
 Lot location  
 100m site assessment

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