

Date: 8 December 2020

Our ref: 20PER-17493

Parcel Property
Level 5, 14 Walters Drive,
OSBORNE PARK WA 6017

AS 3959-2009 Bushfire Attack Level (BAL) Assessment Report for Stage 1 Natures Edge Estate, Southern River

Site Details			
Address: Natures Edge Estate, So	outhern River: Lots 124-162.		
Suburb:	Southern River, 6110	State	Western Australia
Local Government Area:	City of Gosnells		
Description of building works:	Residential Development		

Report details			
Report/Job number:	17493	Report version:	V1
Assessment date:	14 October 2020	Report date:	8 December 2020
Author:	Stephen Moore and Daniel Panickar	Review:	Daniel Panickar (BPAD Level 3 – 37802)



SITE ASSESSMENT AND SITE PLAN

The assessment of the 39 subject lots was undertaken on 14 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 150 m of the 39 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 City of Gosnells in the future.

Plot 1 Classification or Exclusion Clause

Photo Point 1

This plot comprises wetland vegetation in a Resource Enhancement Wetland and associated buffer within Natures Edge Estate.

This area will be revegetated to resemble a woodland structure. Classified vegetation within this plot will be comprised of trees between 10 to 30 m tall with approximately 20 to 30% foliage cover. Some sedges/reeds and shrubs will be present at the base of the trees.

Slope under the vegetation has been assessed as upslope/ flat land.

Class B woodland



Plot 1 Classification or Exclusion Clause

Photo Point 2

This plot comprises wetland vegetation in a Resource Enhancement Wetland and associated buffer within Natures Edge Estate.

This area will be revegetated to resemble a woodland structure. Classified vegetation within this plot will be comprised of trees between 10 to 30 m tall with approximately 20 to 30% foliage cover. Some sedges/reeds and shrubs will be present at the base of the trees.

Slope under the vegetation has been assessed as upslope/ flat land.

Class B woodland



Plot 2 Classification or Exclusion Clause

Photo Point 3

This plot comprises wetland vegetation in a Resource Enhancement Wetland and associated buffer outside of Natures Edge Estate.

This area will be revegetated to resemble a woodland structure. Classified vegetation within this plot will be comprised of trees between 10 to 30 m tall with approximately 20 to 30% foliage cover. Some sedges/reeds and shrubs will be present at the base of the trees.

Slope under the vegetation has been assessed as upslope/ flat land.

Class B woodland



Plot 3 Classification or Exclusion Clause

Photo Point 4

This plot comprises unmanaged grassland on land outside of Natures Edge Estate.

Classified vegetation within this plot is comprised of exotic grasses with overstorey of less than 10%.

Slope under the vegetation has been assessed as upslope/flat land.

Class G grassland



Plot 4 Classification or Exclusion Clause

Photo Point 5

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2009. This area has been cleared for construction within Natures Edge Estate and is being maintained by the developer.

Excluded under clause 2.2.3.2 (e) and (f)



Plot 4 Classification or Exclusion Clause

Photo Point 6

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2009. This area has been cleared for construction within Natures Edge Estate and is being maintained by the developer.

Excluded under clause 2.2.3.2 (e) and (f)



Plot 4 Classification or Exclusion Clause

Photo Point 7

This plot comprises rural-residential properties outside of Natures Edge Estate.

Vegetation is comprised of scattered trees over managed turf and appears to be well-maintained.

Excluded under clause 2.2.3.2 (e) and (f



Plot 4 Classification or Exclusion Clause

Photo Point 8

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2009. This area has been cleared for construction outside of Natures Edge Estate and is being maintained by the developer.

Excluded under clause 2.2.3.2 (e) and (f)



Plot 4 Classification or Exclusion Clause

Photo Point 9

This plot has been excluded under Clause 2.2.3.2 (e) & (f) of AS 3959-2009. This area has been cleared for construction outside of Natures Edge Estate and is being maintained by the developer.

Excluded under clause 2.2.3.2 (e) and (f)



RELEVANT FIRE DANGER INDEX

A blanket rating of FDI 80 is adopted for Western Australia, as outlined in Australian Standard (AS) 3959-2009 and endorsed by Australasian Fire and Emergency Service Authorities Council (AFAC).

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

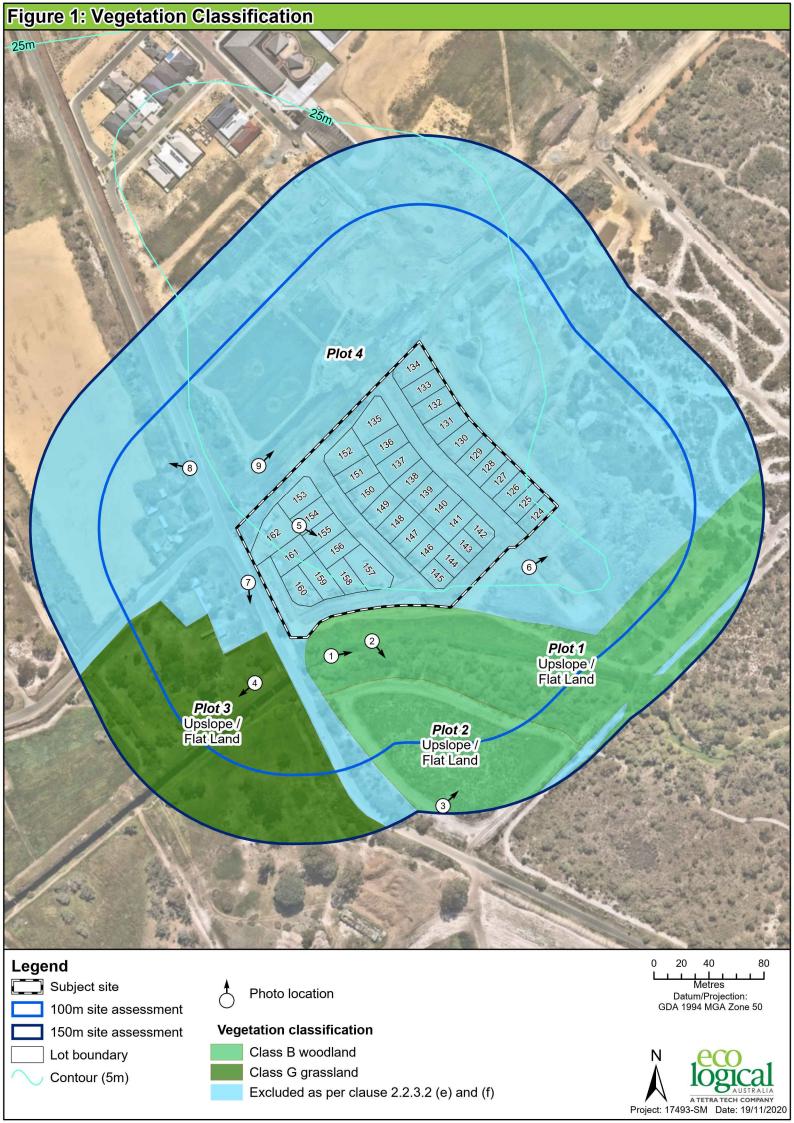
Plot Vegetation Classification	Vagatation Classification	Effective Slope	Separation distances required				
	Effective Slope	BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5	
1	Class B woodland	Upslope/ flat land	<10	10-<14	14-<20	20-<29	29-<100
2	Class B woodland	Upslope/ flat land	<10	10-<14	14-<20	20-<29	29-<100
2	Class G grassland	Upslope/ flat land	<6	6-<8	8-<12	12-<17	17-<50
3	Excluded under Clause 2.2.3.2 (e) & (f)	N/A	No separation distances required – BAL-LOW				

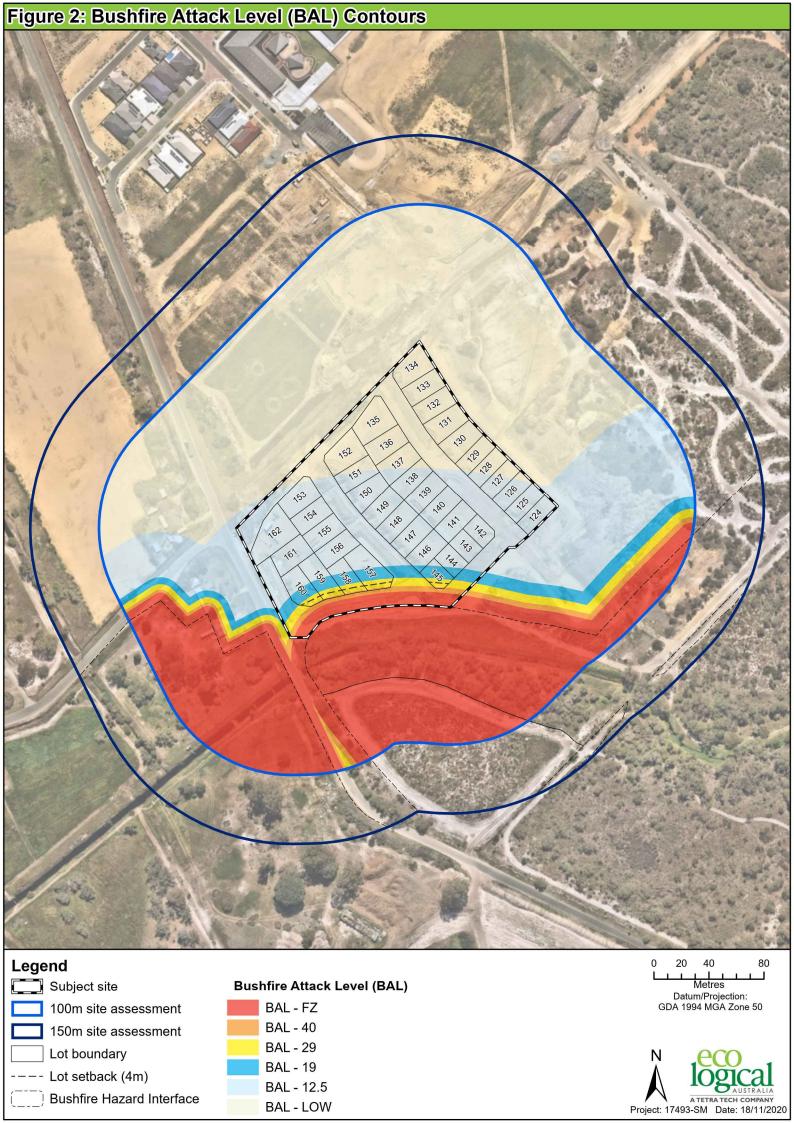
DETERMINED BUSHFIRE ATTACK LEVEL (BAL)

The determined Bushfire Attack Level (highest BAL) for the 39 subject lots has been determined in accordance with Clause 2.2.6 of AS 3959-2009 using the above analysis, Table 2 and Figure 2.

Table 2: BAL assessment summary

BAL	Affected lots	Construction sections to be consulted in AS 3959-2009
BAL-FZ	Nil	N/A
BAL-40	Nil	N/A
BAL-29	Determined Bushfire Attack Level for: Lots 145*, 157*, 158*, 159* and 160*.	N/A
BAL-19	Determined Bushfire Attack Level for: Lots 144* and 146*.	3 and 6
BAL-12.5	Determined Bushfire Attack Level for: Lots 124, 125*, 126*, 127*, 128*, 129*, 137*, 138*, 139, 140, 141, 142, 143, 147, 148, 149, 150, 151*, 152*, 153*, 154, 155, 156, 161 and 162.	3 and 5
BAL-LOW	Determined Bushfire Attack Level for: Lots 130, 131, 132, 133, 134, 135 and 136.	3 and 4





Appendix A – Additional Information / Advisory Notes

This assessment was undertaken as per AS 3959-2009. It is important that the current version of AS 3959, is consulted for construction purposes.

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

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

Bushfire Attack Level (BAL)	Classified vegetation within 100 m of the site and radiant heat flux exposure thresholds	Description of predicted bush fire attack and levels of exposure	Construction Section as per AS 3959
BAL-LOW		There is insufficient risk to warrant specific construction requirements.	4
BAL-12.5	≤12.5 kW/m2	Ember attack	3 and 5
BAL-19	>12.5 kW/m2 ≤19 kW/m2	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux.	3 and 6
BAL-29	>19 kW/m2≤29 kW/m2	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux	3 and 7
BAL-40	>29 kW/m2≤40 kW/m2	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux with the increased likelihood of exposure to flames.	3 and 8
BAL-FZ	>40 kW/m2	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

Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 124, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	62 m	BAL - 12.5

Practitioner Details

Certificate Date:

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.

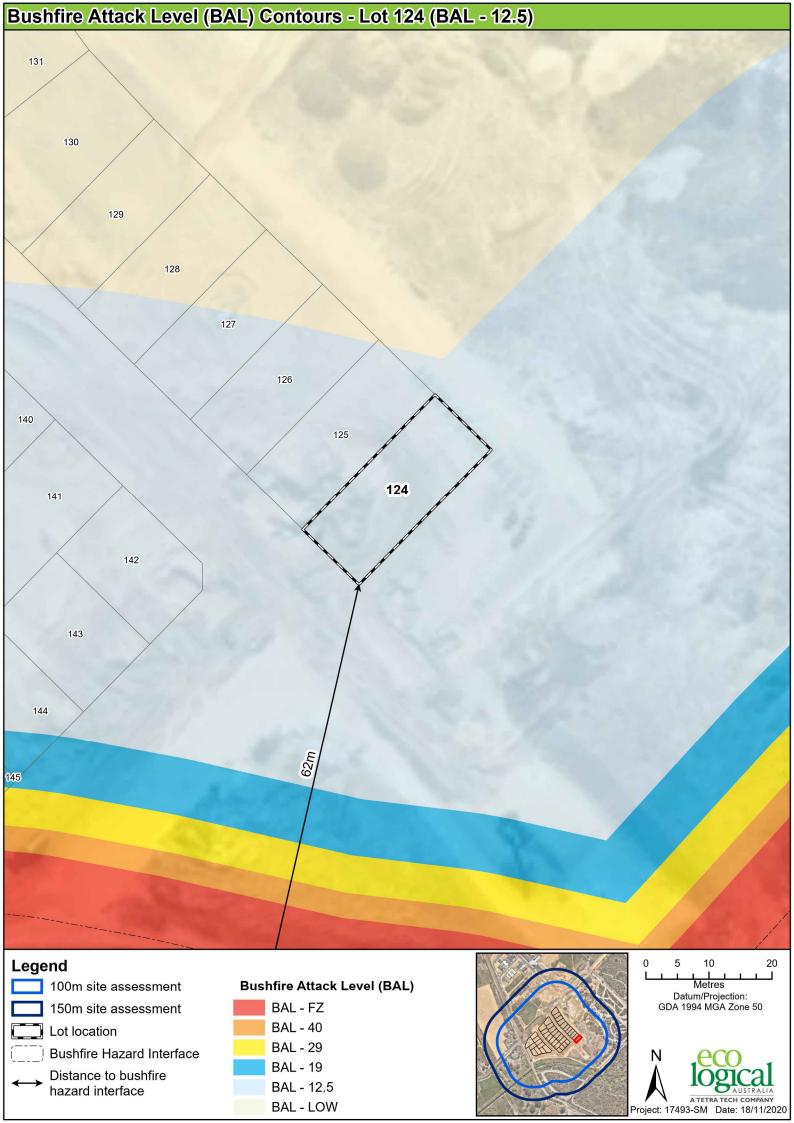
Daniel Panickar Name

Eco Logical Australia

Signature:

08/12/2020

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 125, Natures Edge Estate					
Suburb:	Southern River, 6110		State:	WA		
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	69 m	BAL - 12.5		

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.

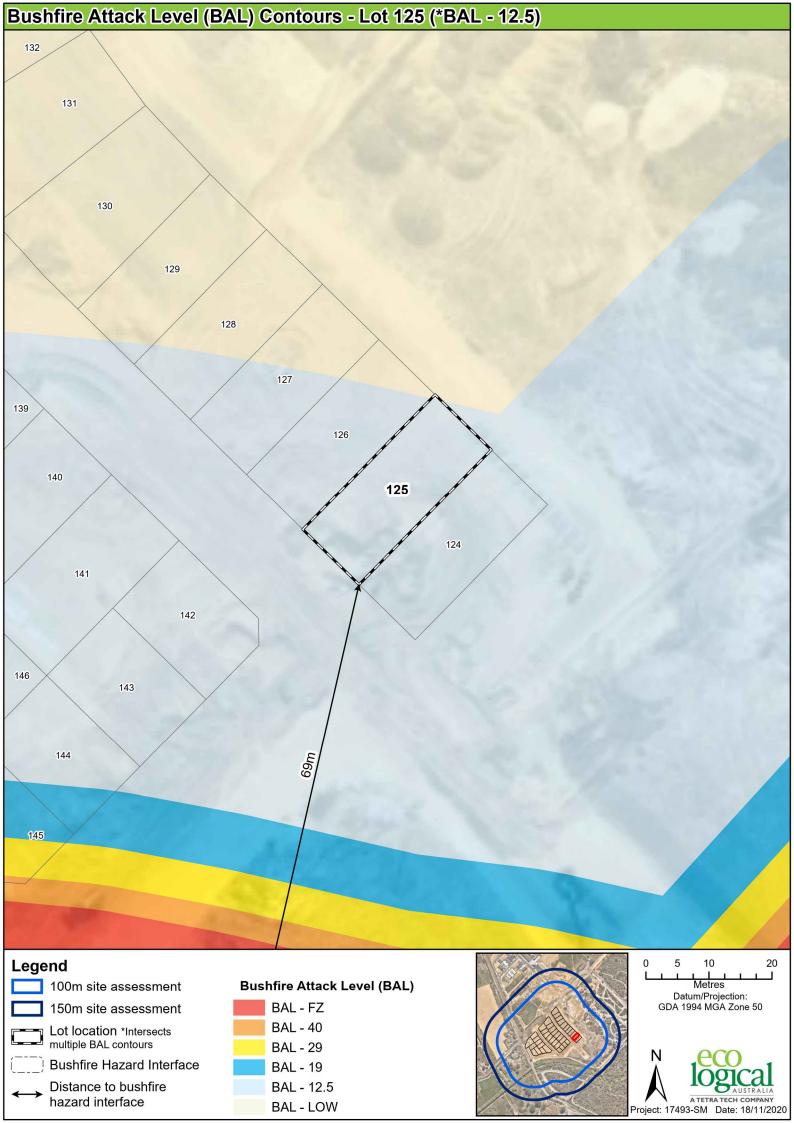
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020 Expiry: Dece

By Bushfire Planning & Design Accredited Practitioner Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 126, Natures Edge Estate					
Suburb:	Southern River, 6110		S	State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020	20		

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	75 m	BAL - 12.5

Practitioner Details

Signature:

Certificate Date:

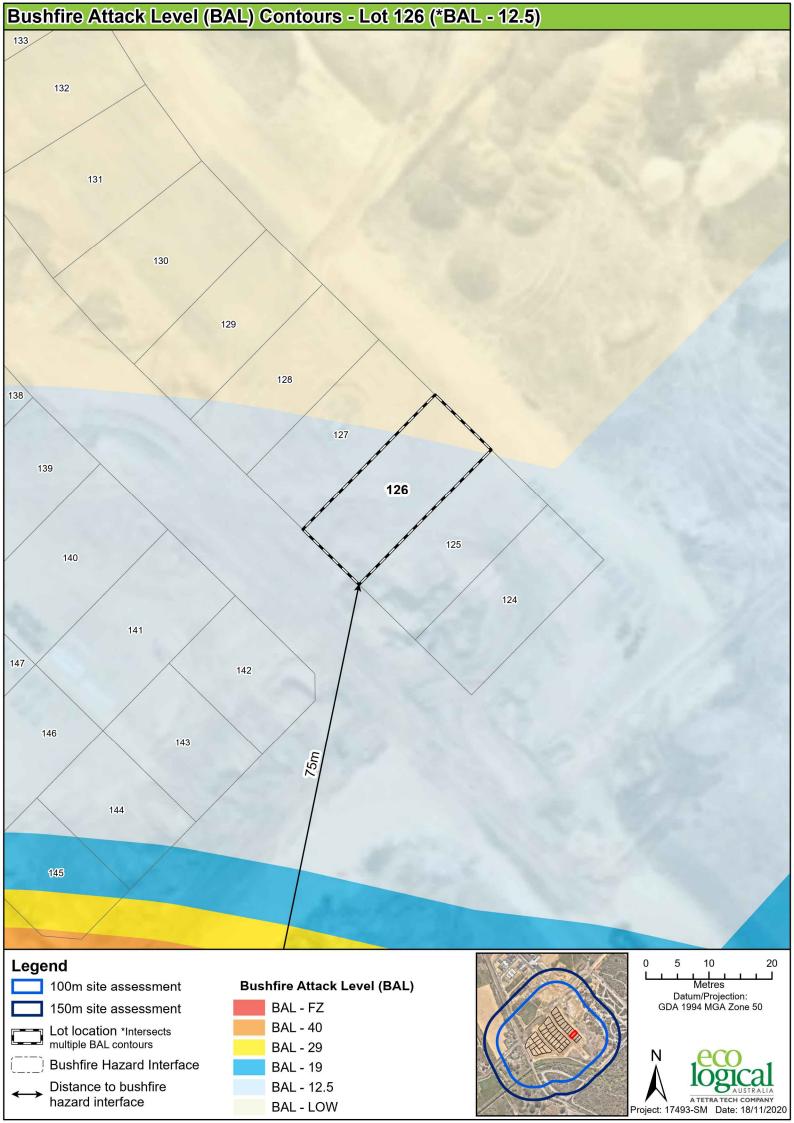
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Name Daniel Panickar

Eco Logical Australia

08/12/2020

Bushfire Planning & Design Accredited Practitioner Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 127, Natures Edge Estate					
Suburb:	Southern River, 6110		State:	WA		
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	82 m	BAL - 12.5		

Practitioner Details

Certificate Date:

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.

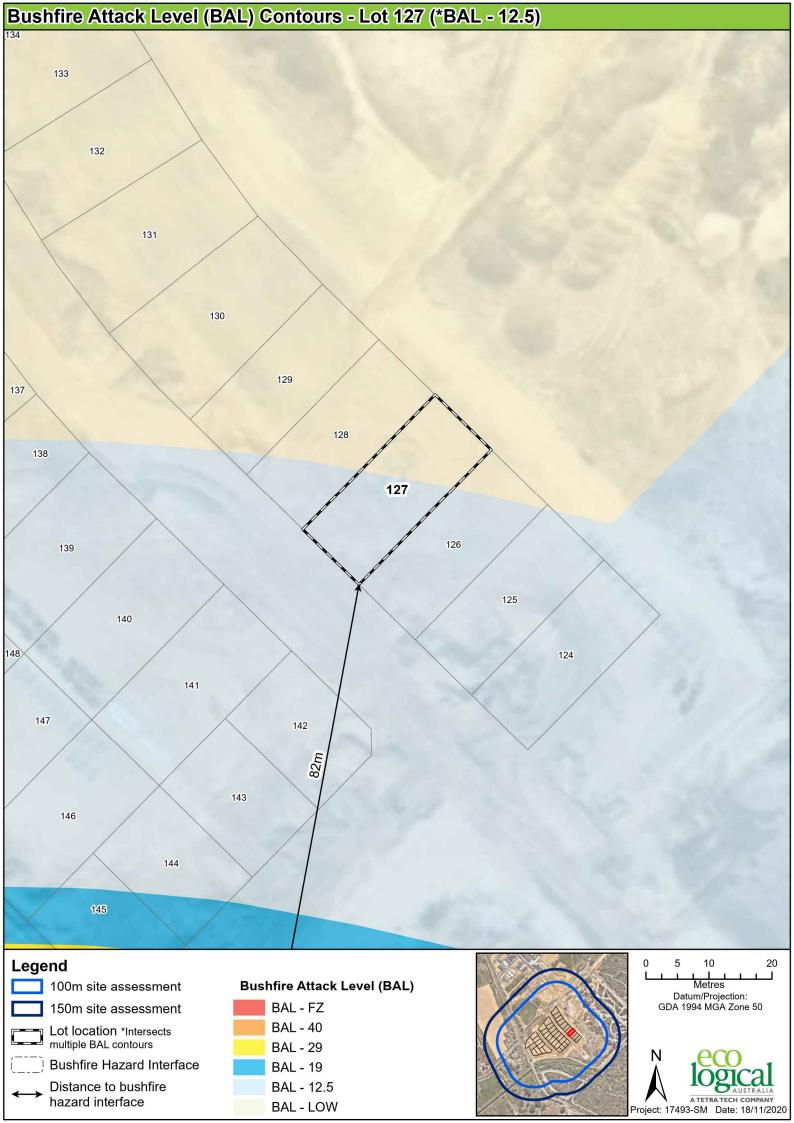
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 128, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	89 m	BAL - 12.5		

Practitioner Details

Certificate Date:

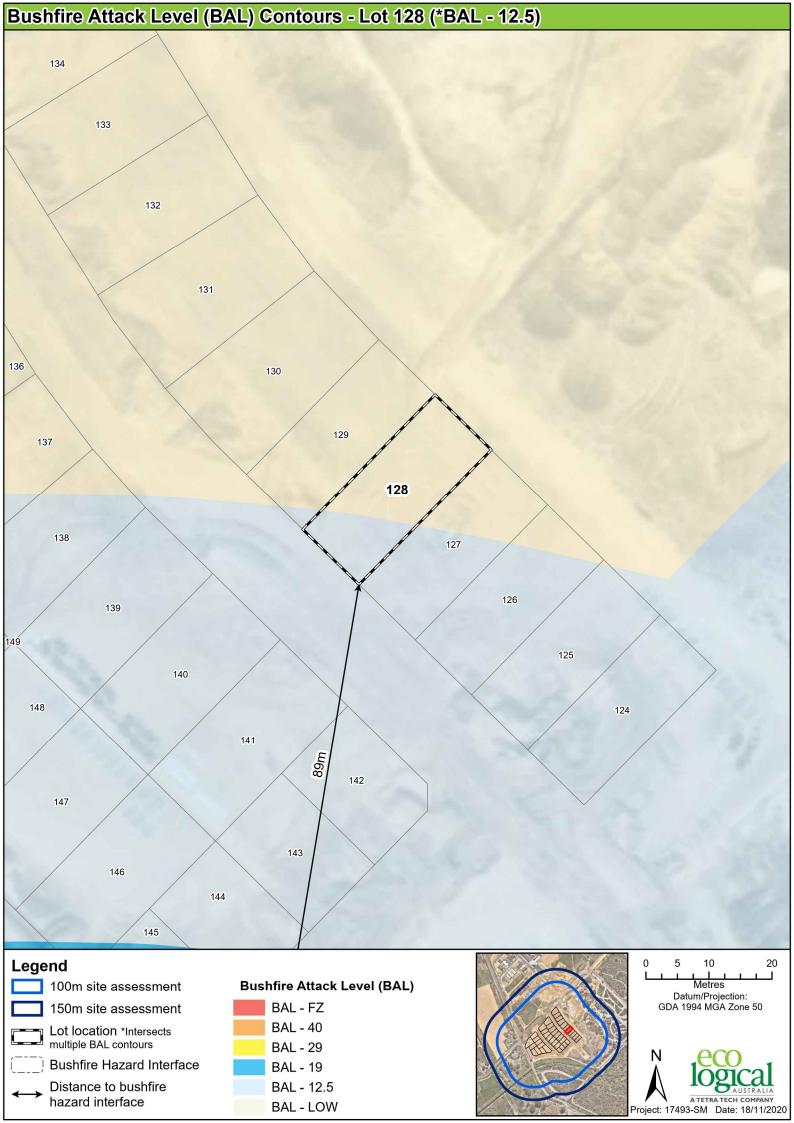
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Daniel Panickar Name

Eco Logical Australia

Signature:

Accreditation No: BPAD 37802 08/12/2020



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 129, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	97 m	BAL - 12.5		

Practitioner Details

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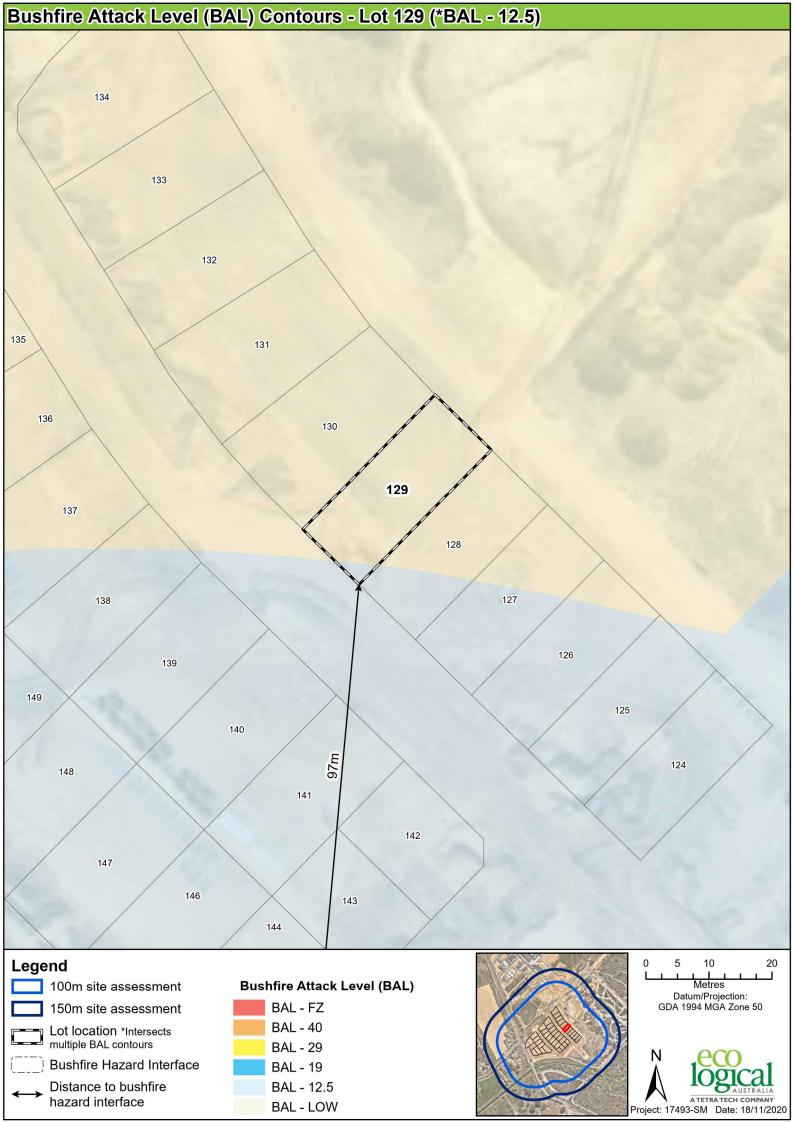
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 130, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	105 m	BAL - LOW		

Practitioner Details

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 131, Natures Edge Estate					
Suburb:	Southern River, 6110		State	e: WA		
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020			

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	117 m	BAL - LOW		

Practitioner Details

Certificate Date:

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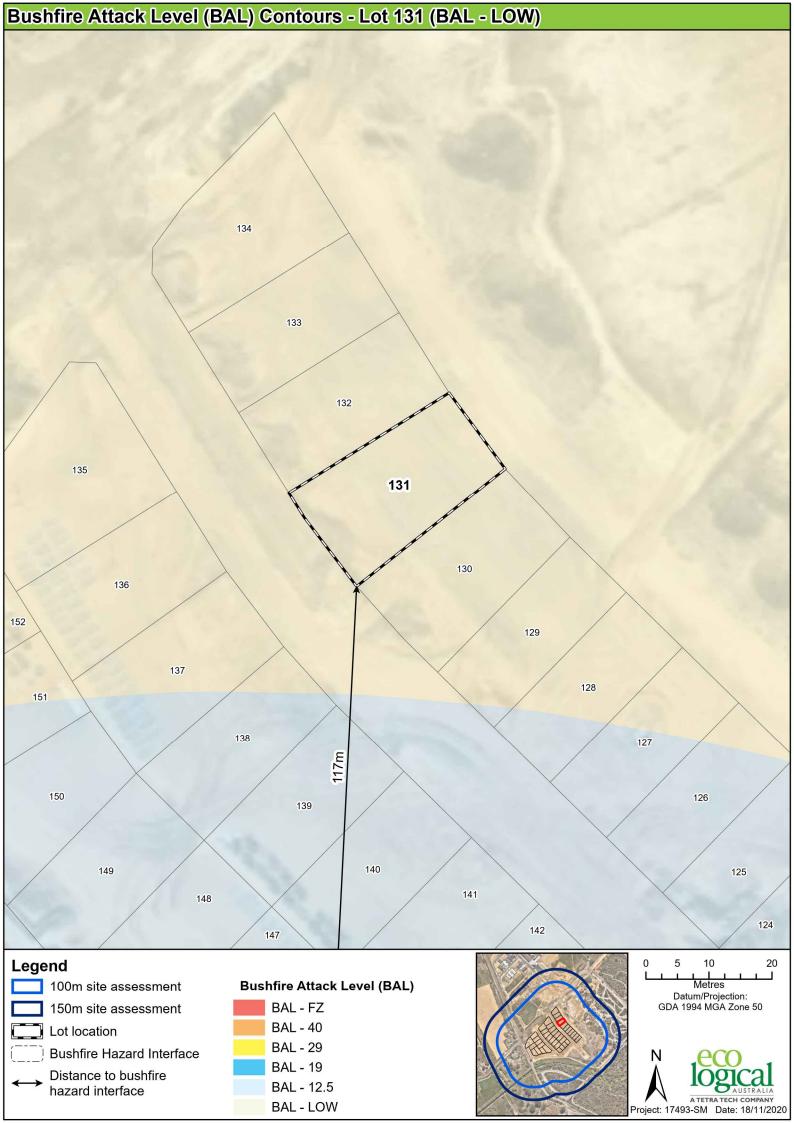
Daniel Panickar Name

Eco Logical Australia

Signature:

08/12/2020

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 132, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	132 m	BAL - LOW		

Practitioner Details

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

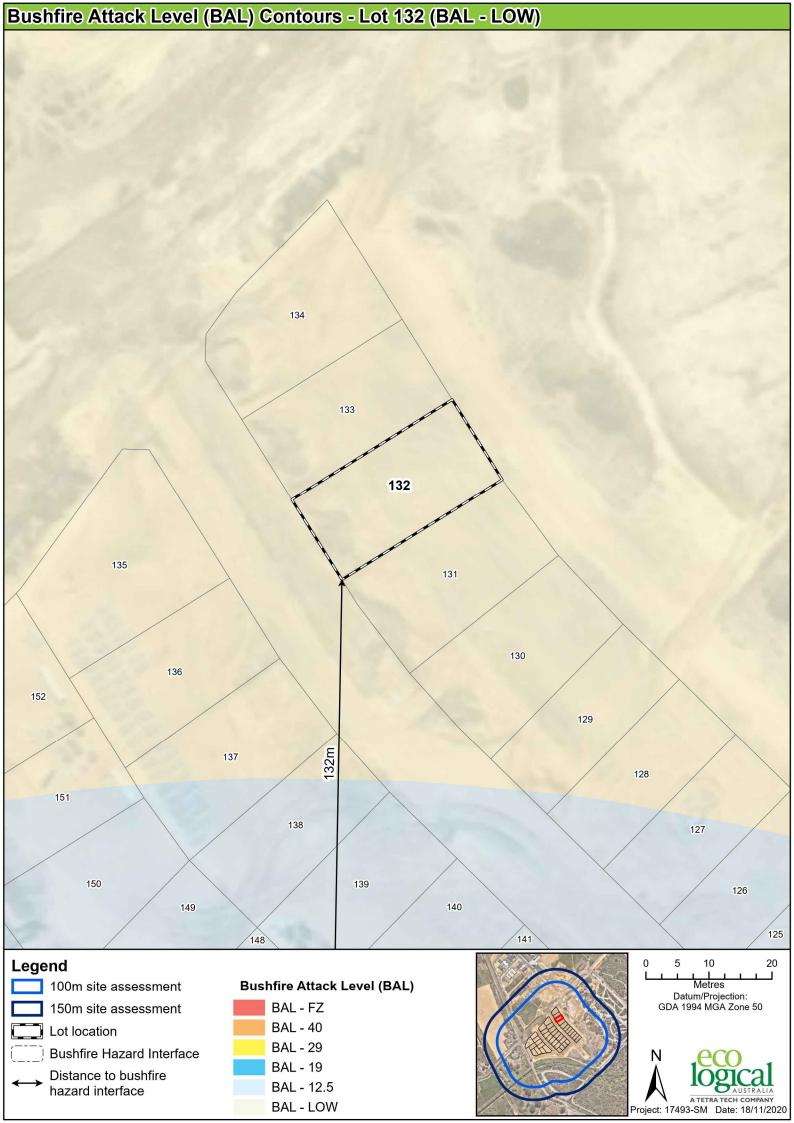
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 133, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	144 m	BAL - LOW		

Practitioner Details

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

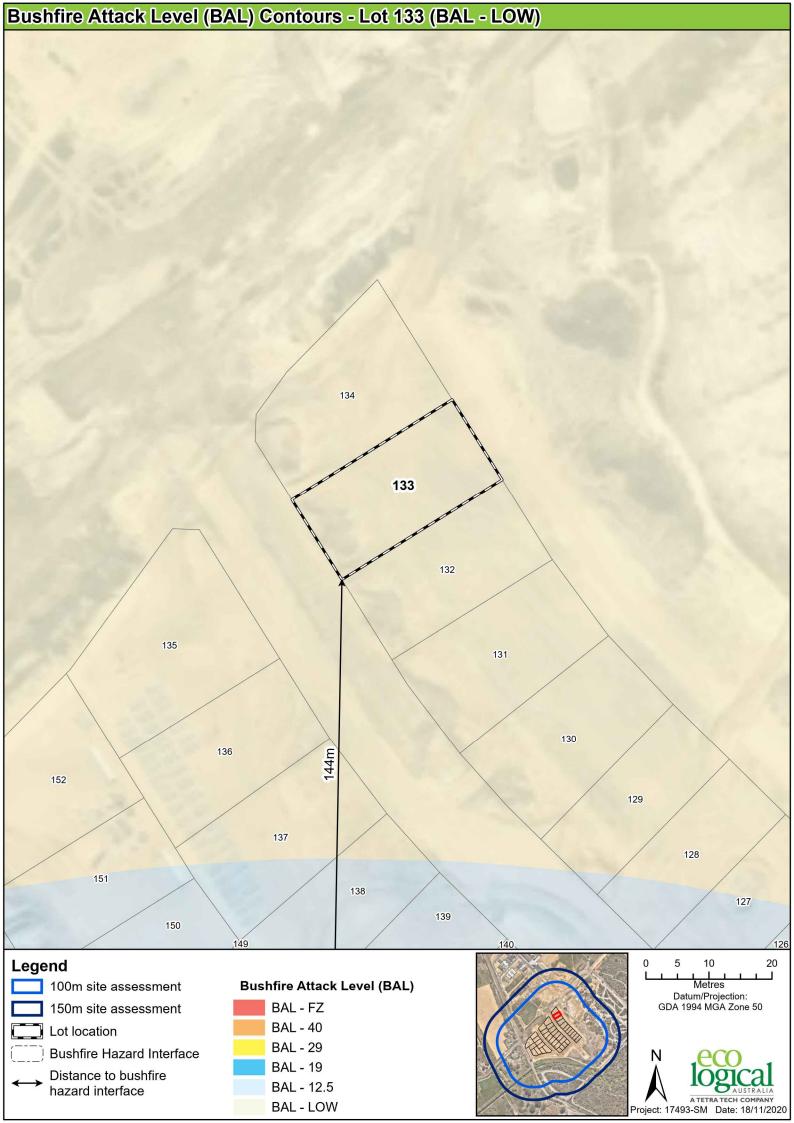
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Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 134, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020	

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	157 m	BAL - LOW		

Practitioner Details

Certificate Date:

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

08/12/2020

Signature:



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 135, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020	

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	118 m	BAL - LOW		

Practitioner Details

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

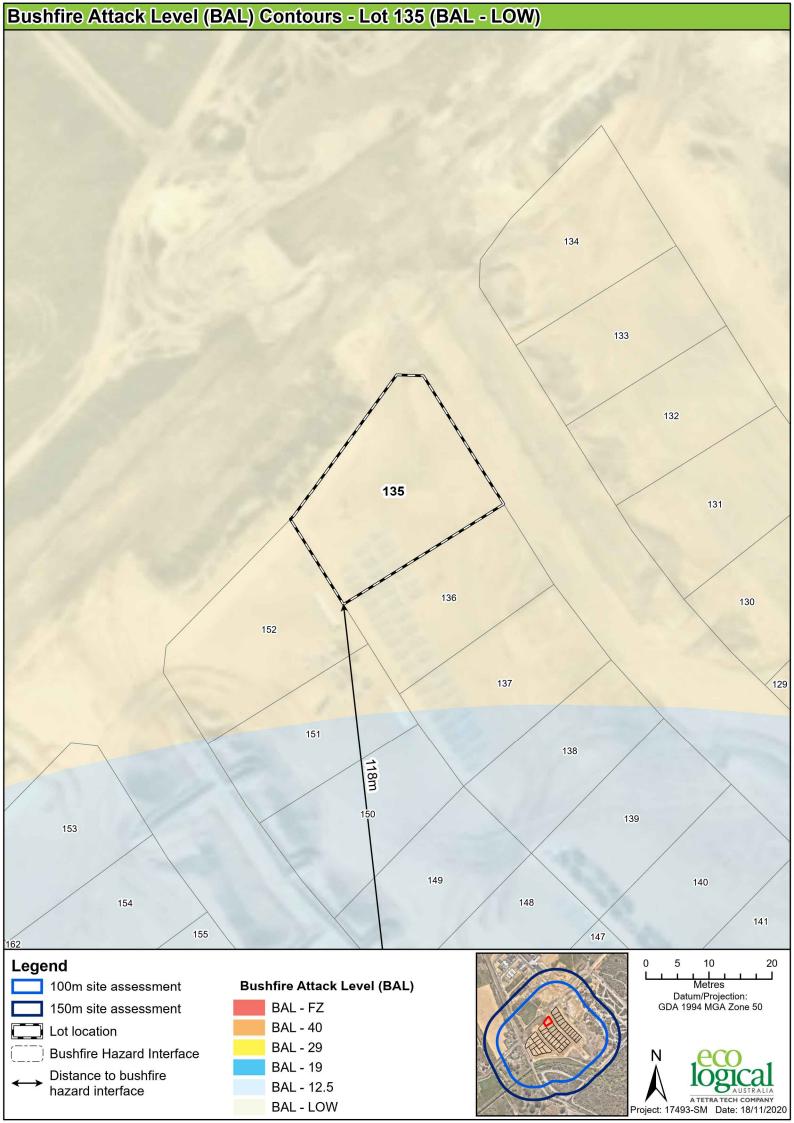
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 136, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20	

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	103 m	BAL - LOW		

Practitioner Details

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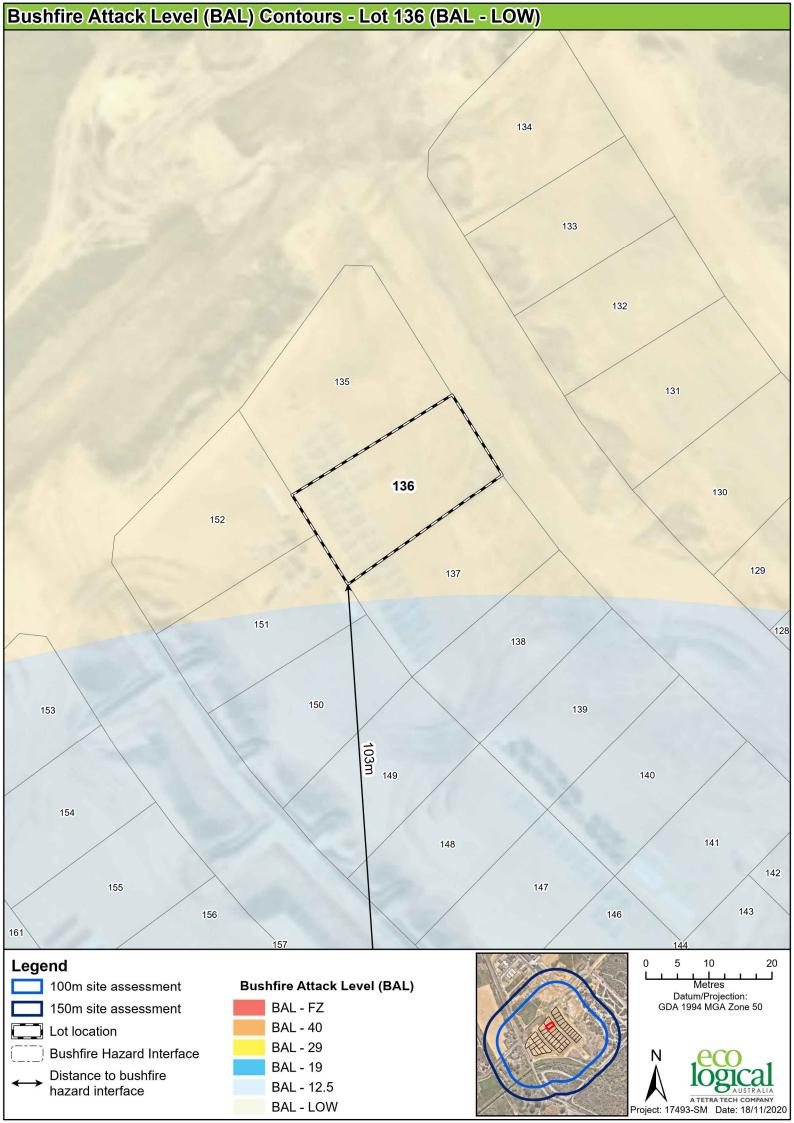
Name Daniel Panickar

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Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 137, Natures Edge Estate				
Suburb:	Southern River, 6110 State: WA				
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/2020		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	87 m	BAL - 12.5		

Practitioner Details

Certificate Date:

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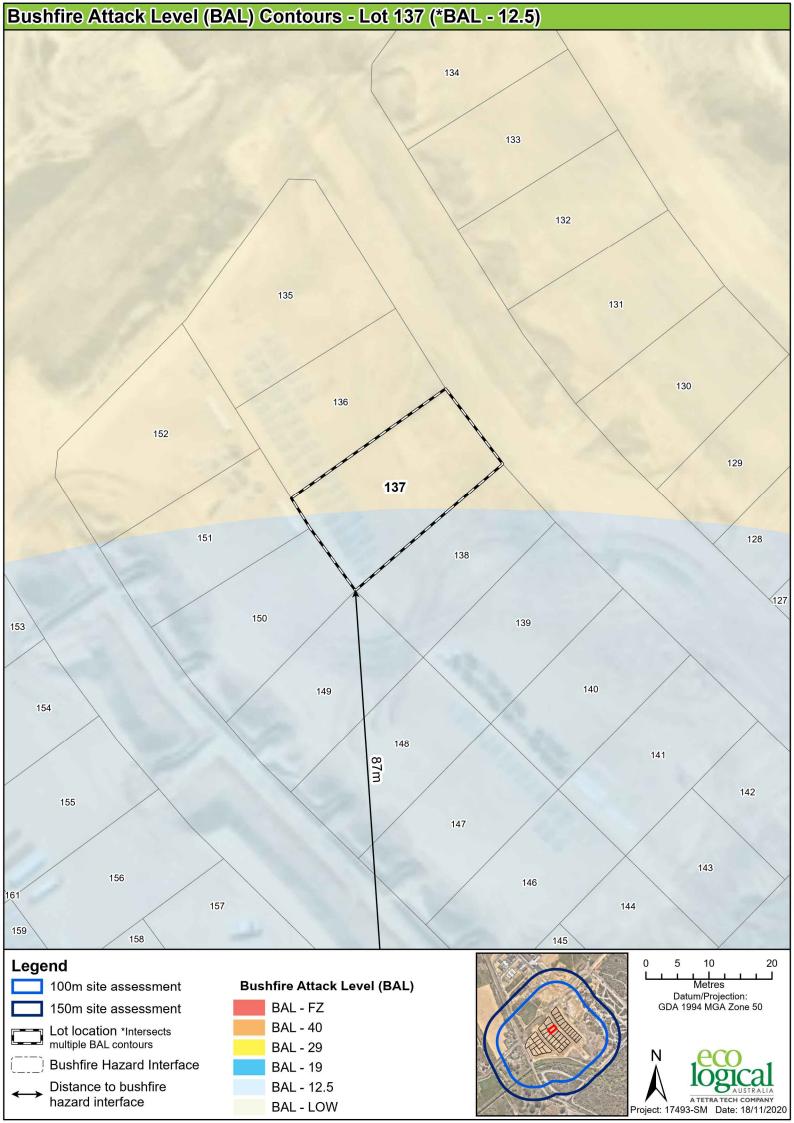
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 138, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20	

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	76 m	BAL - 12.5

Practitioner Details

Certificate Date:

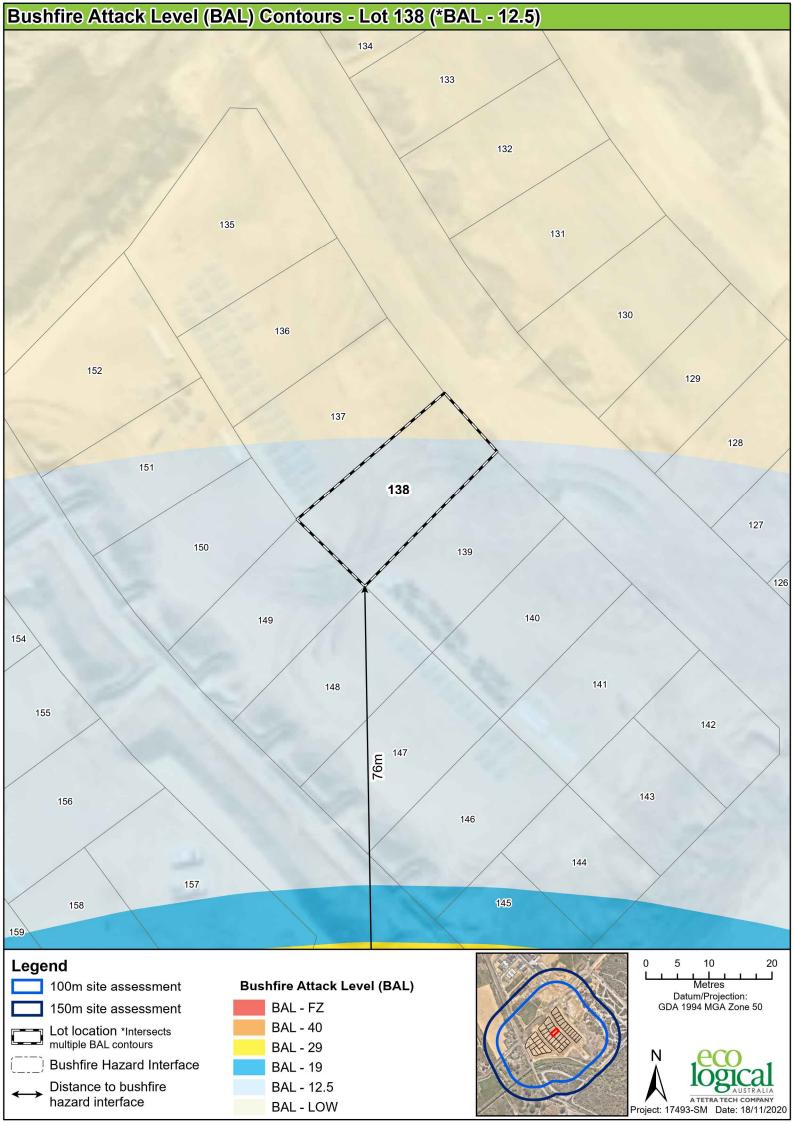
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Name Daniel Panickar

Eco Logical Australia

Signature:

Accreditation No: BPAD 37802 08/12/2020 Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 139, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	20	

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	66 m	BAL - 12.5

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.

Daniel Panickar Name

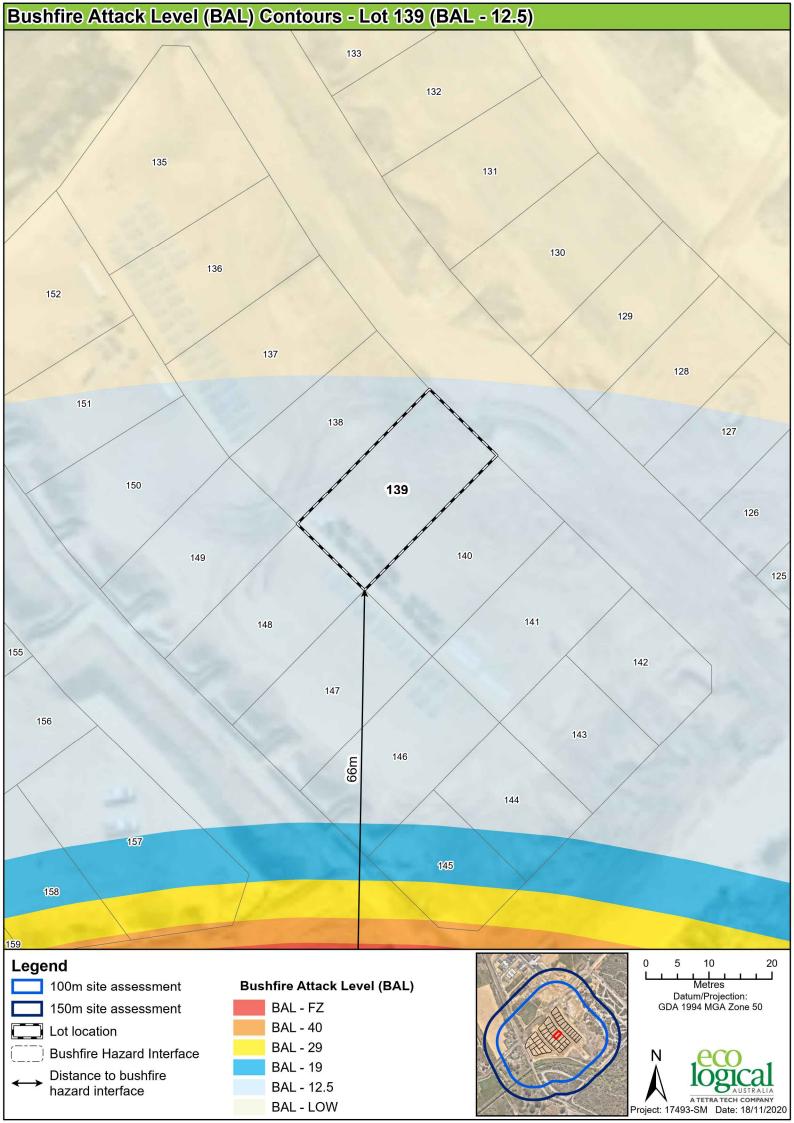
Eco Logical Australia

Signature:

Accreditation No: BPAD 37802

Expiry: December 2021

Certificate Date: 08/12/2020



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 140, Natures Edge Estate				
Suburb:	Southern River, 6110	State: WA			
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/2020		

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	56 m	BAL - 12.5

Practitioner Details

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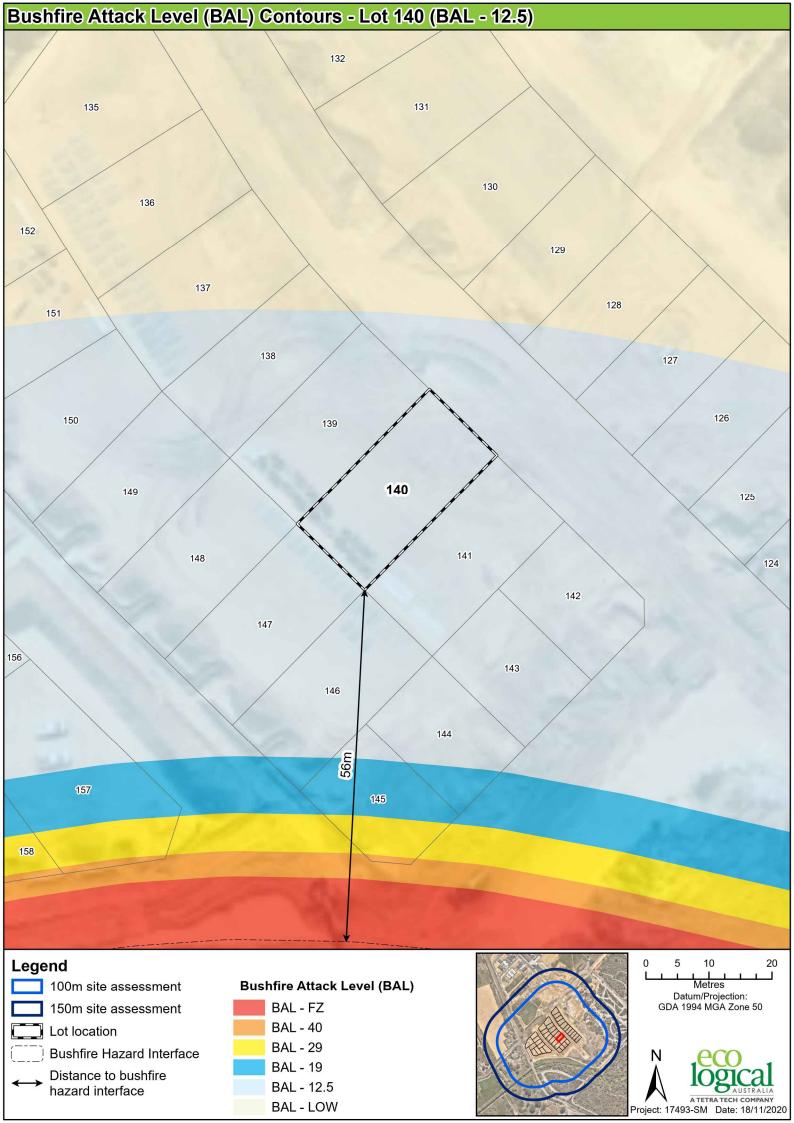
Daniel Panickar Name

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Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

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Address:	Lot 141, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020	

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	46 m	BAL - 12.5		

Practitioner Details

Certificate Date:

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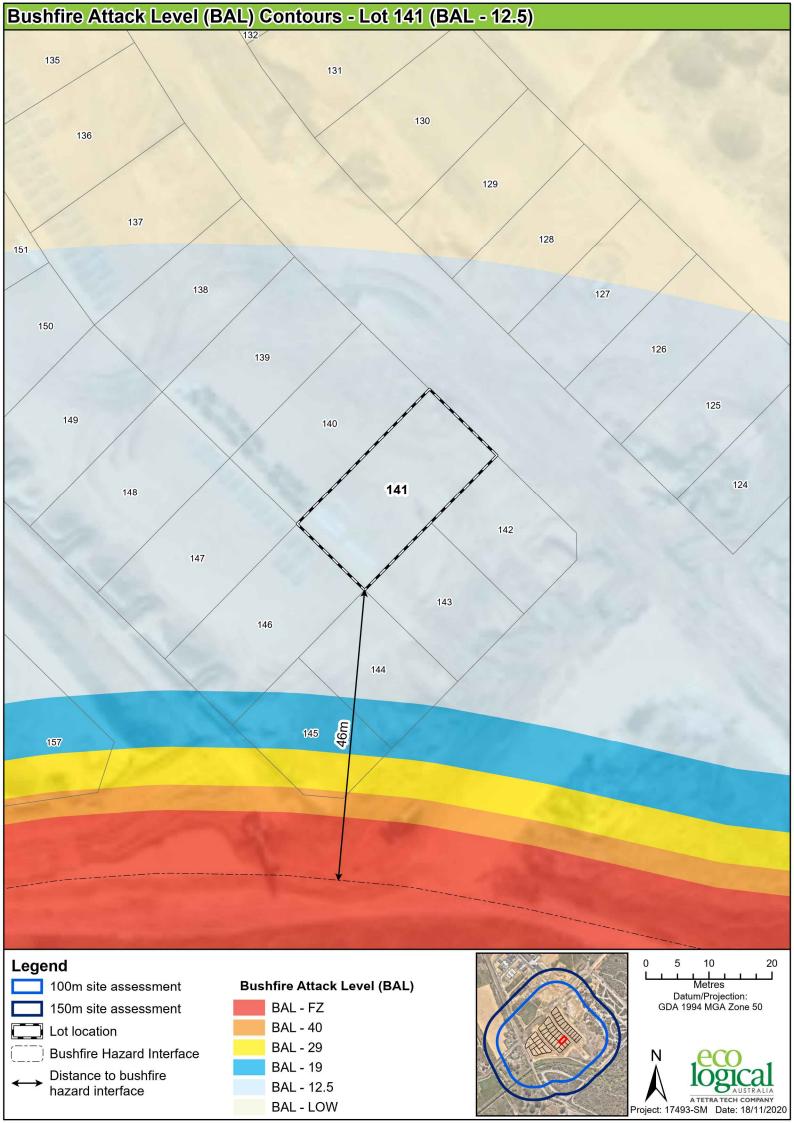
Name Daniel Panickar

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 142, Natures Edge Estate				
Suburb:	Southern River, 6110	State: WA			
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/2020		

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	46 m	BAL - 12.5	

Practitioner Details

Certificate Date:

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.

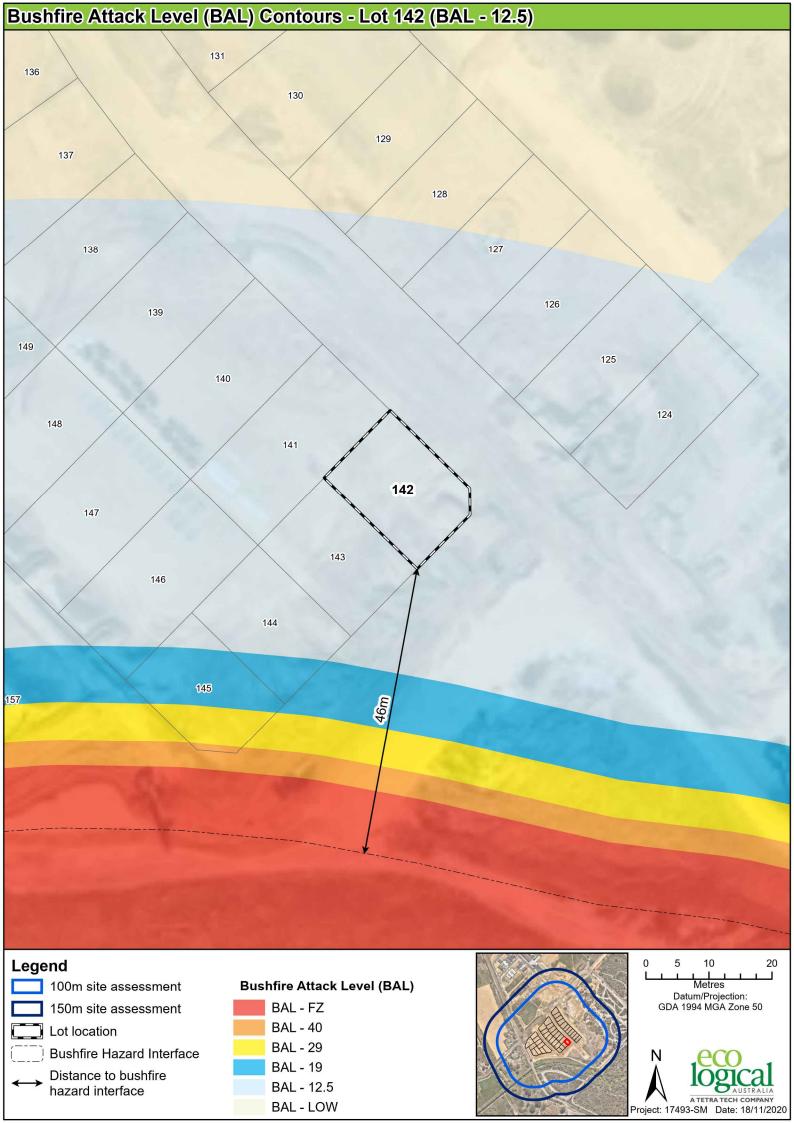
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 143, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20	

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	33 m	BAL - 12.5

Practitioner Details

Certificate Date:

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.

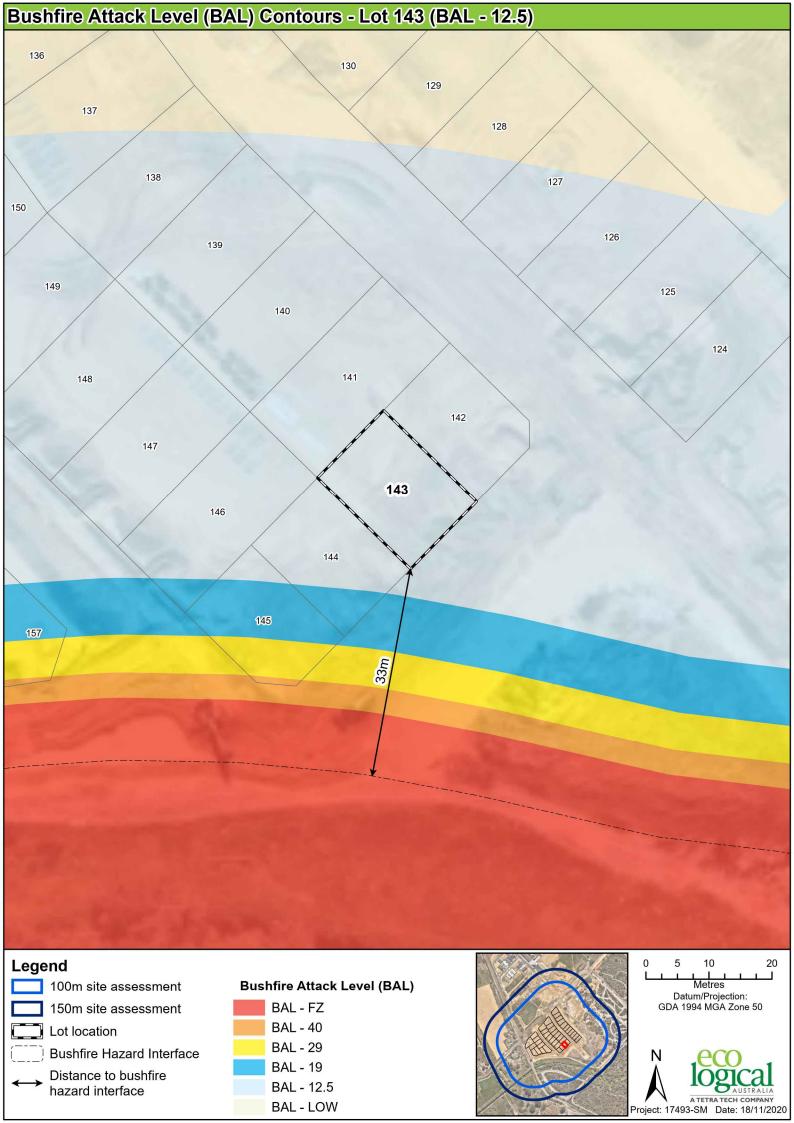
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 144, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	21 m	BAL - 19		

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.

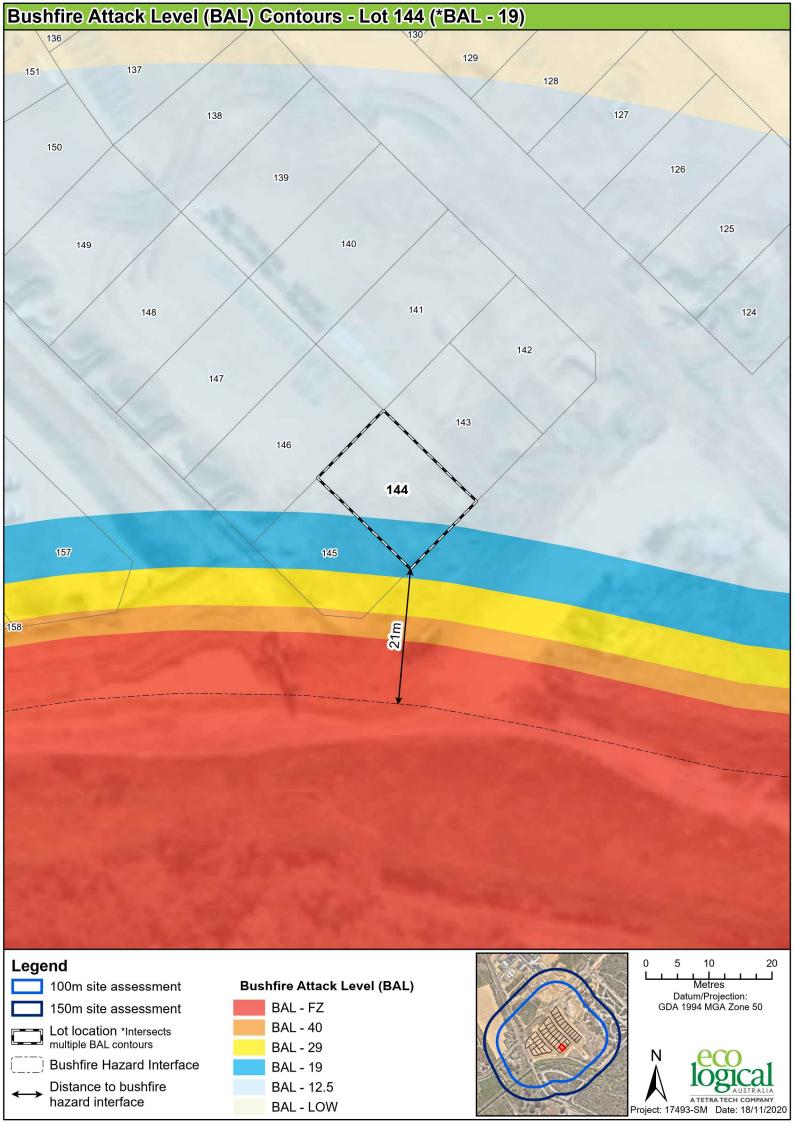
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 145, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	17 m	BAL - 29

Practitioner Details

Certificate Date:

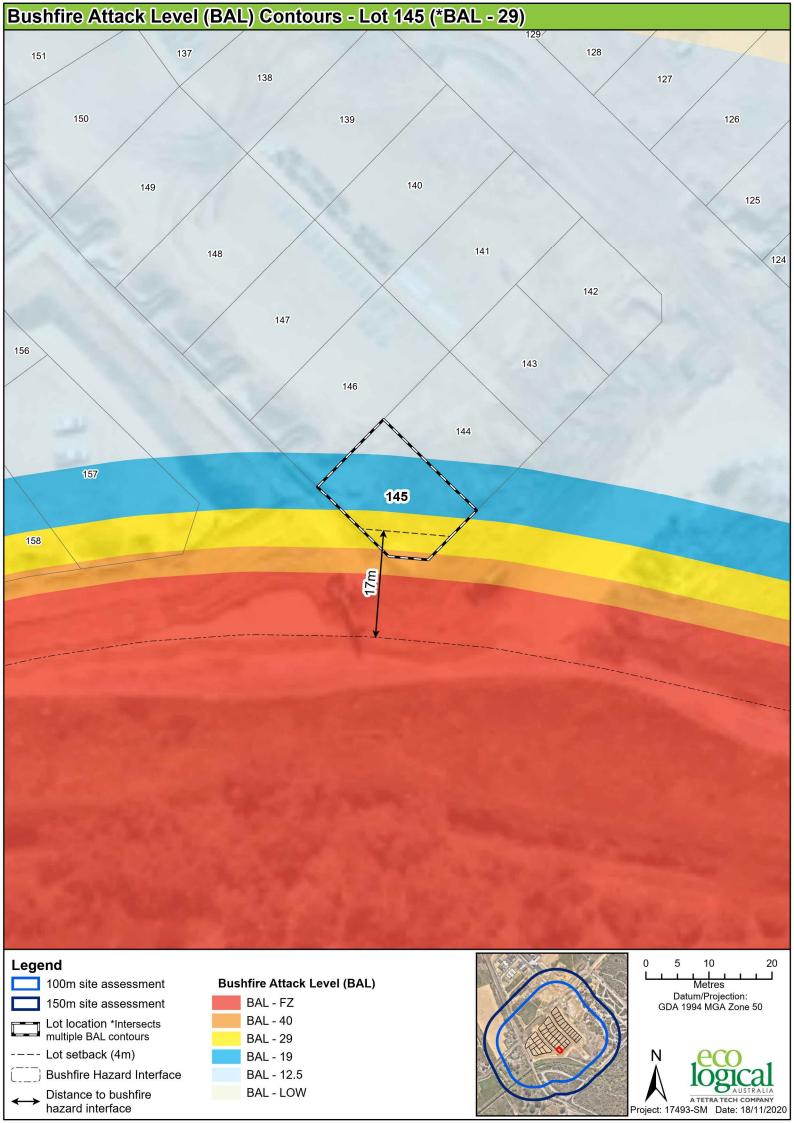
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Name Daniel Panickar

Eco Logical Australia

Signature:

Accreditation No: BPAD 37802 08/12/2020 Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 146, Natures Edge Estate					
Suburb:	Southern River, 6110			WA		
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020			

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	24 m	BAL - 19

Practitioner Details

Certificate Date:

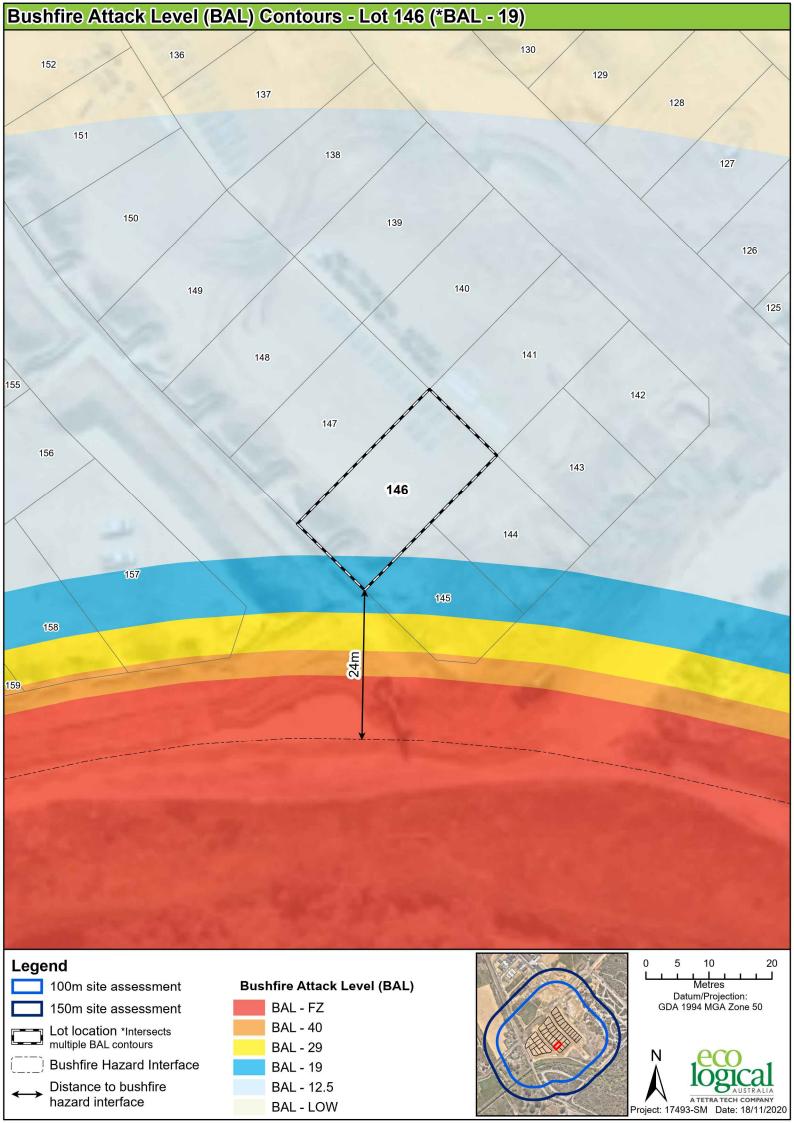
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Name Daniel Panickar

Eco Logical Australia

08/12/2020

Signature:



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 147, Natures Edge Estate					
Suburb:	Southern River, 6110			WA		
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020			

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	34 m	BAL - 12.5		

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.

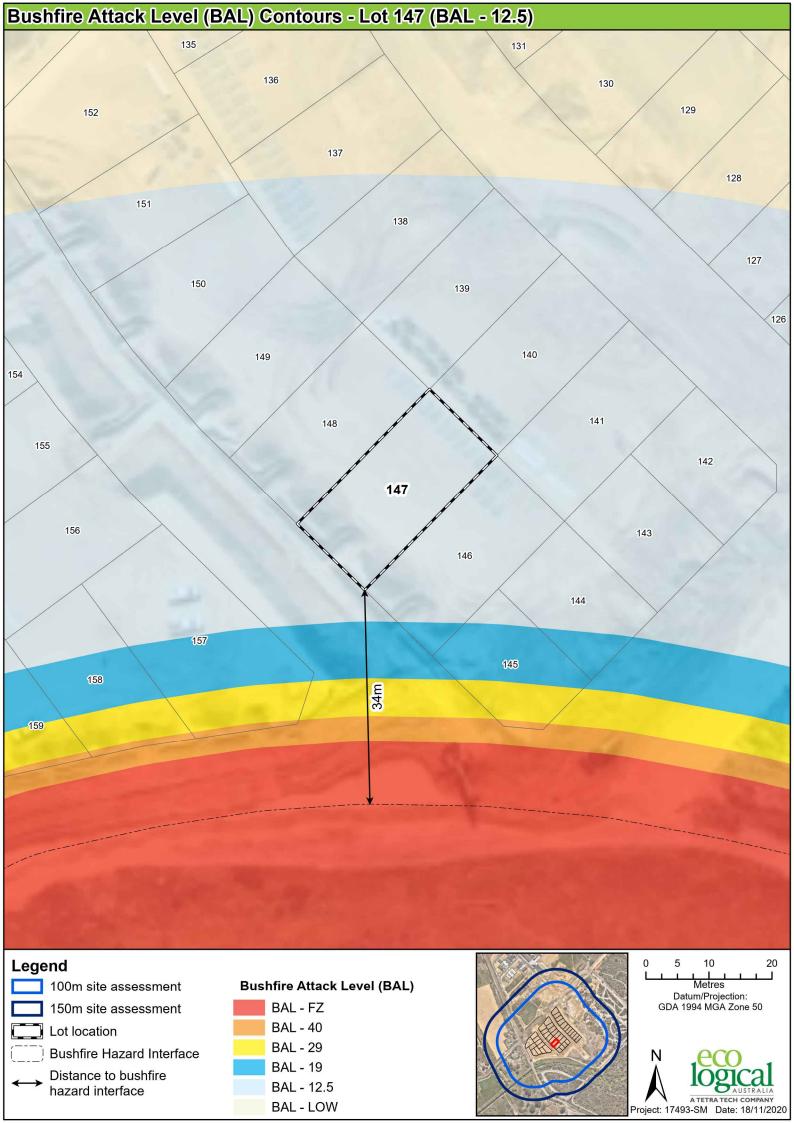
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 148, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020	20		

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	45 m	BAL - 12.5	

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.

Daniel Panickar Name

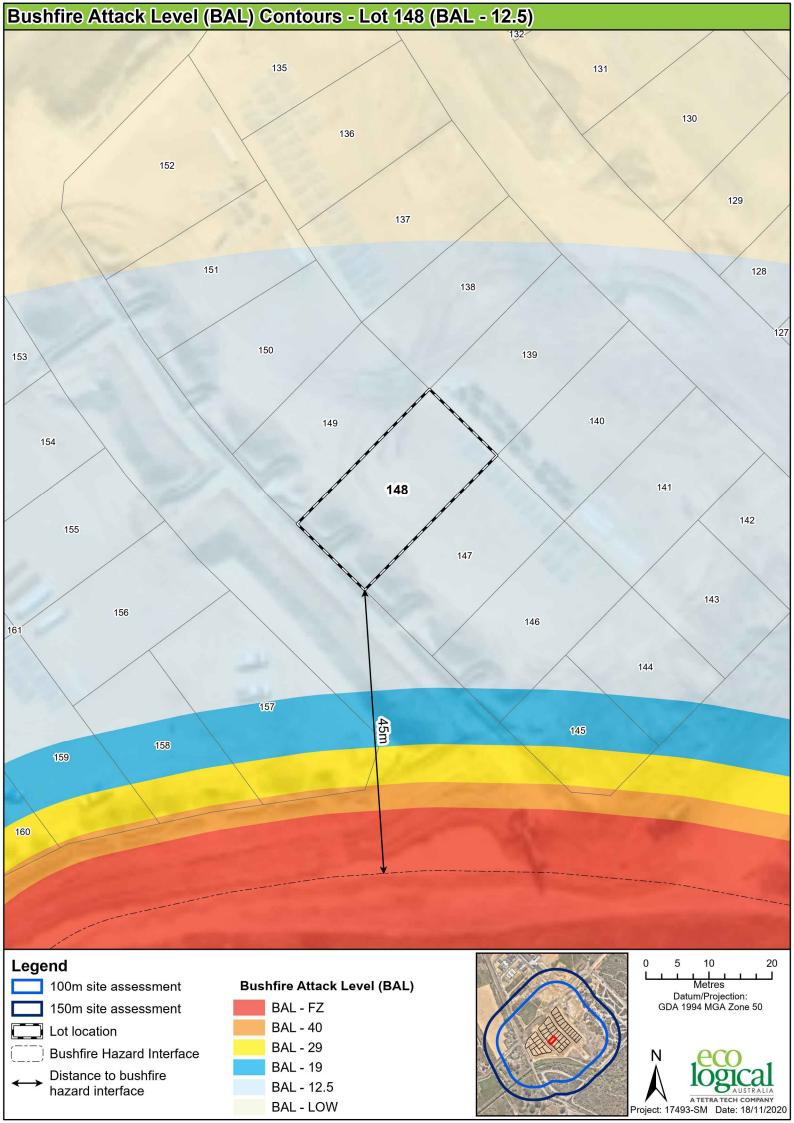
Eco Logical Australia

08/12/2020

Signature:

Certificate Date:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 149, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	56 m	BAL - 12.5		

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.

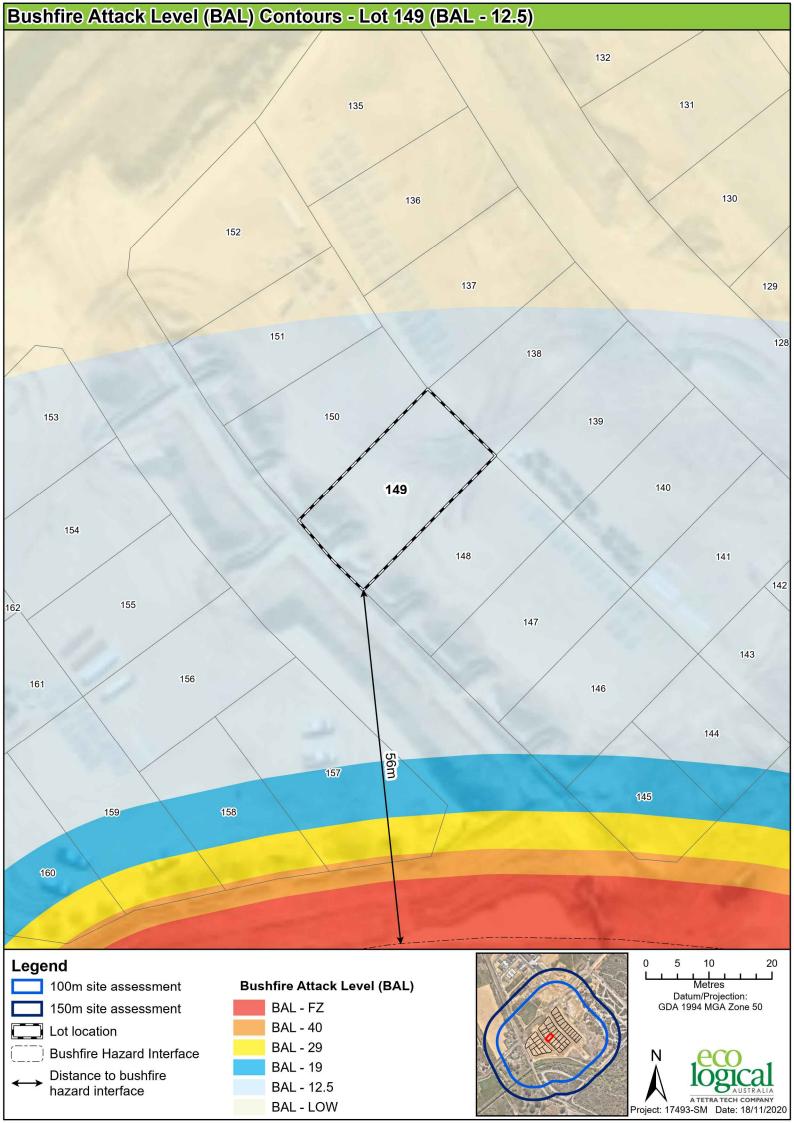
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: 08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 150, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20	

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	69 m	BAL - 12.5	

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.

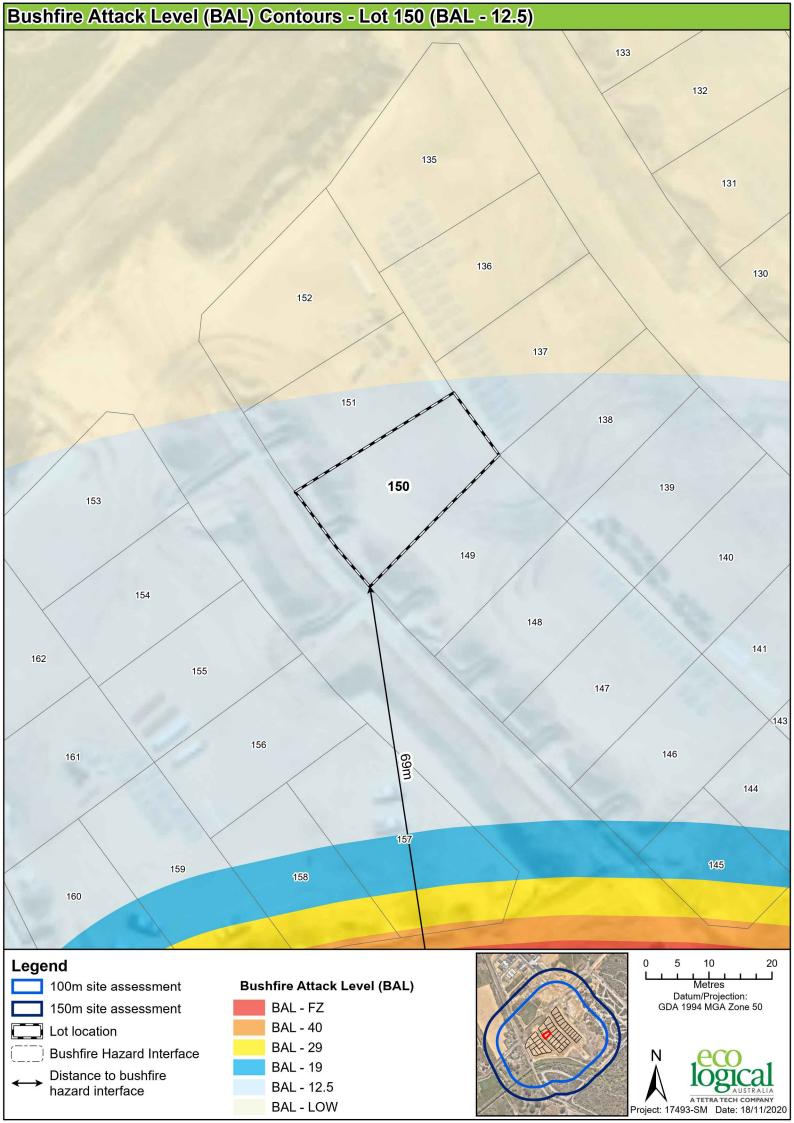
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 151, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020	

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	85 m	BAL - 12.5	

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.

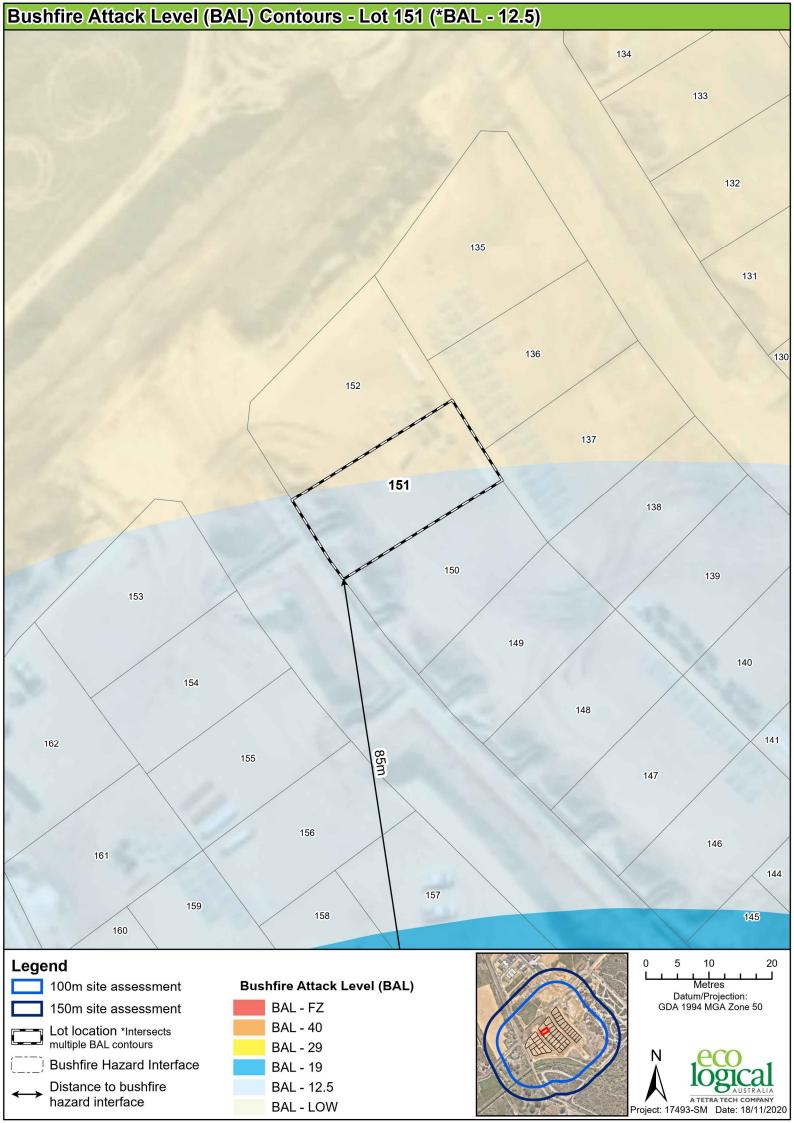
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 152, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20	20	

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	99 m	BAL - 12.5	

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.

Daniel Panickar Name

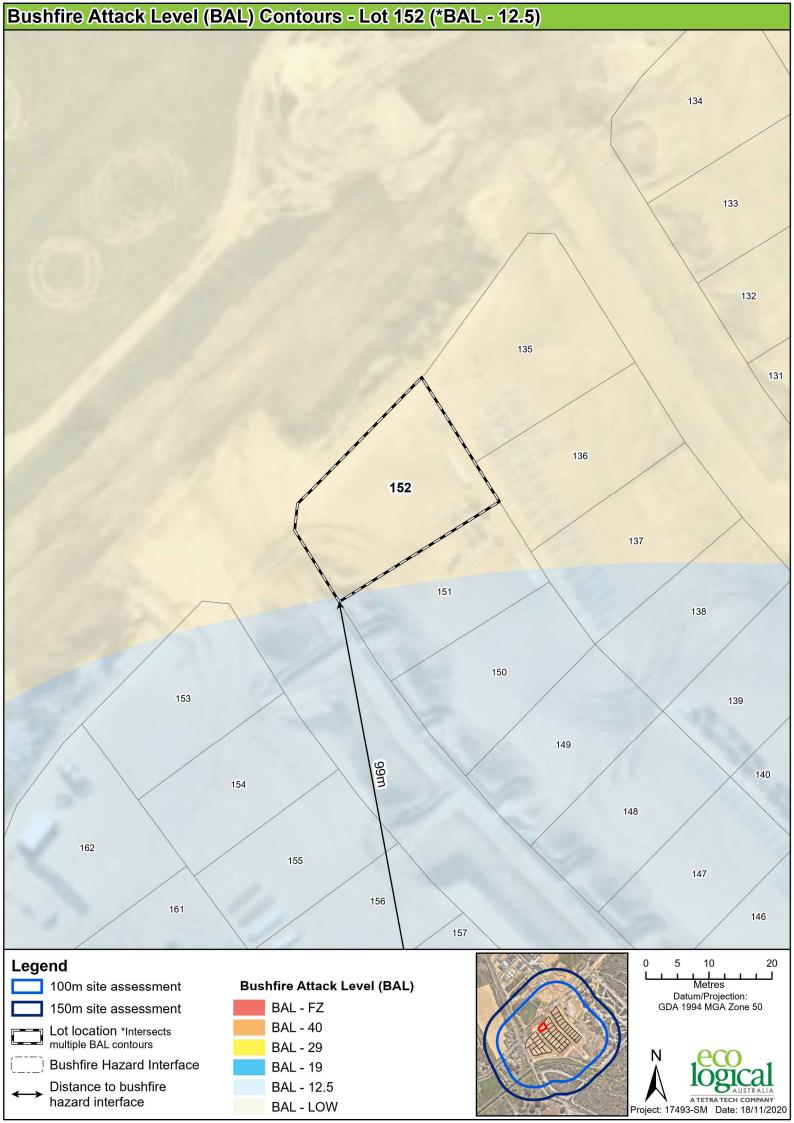
Eco Logical Australia

Signature:

Accreditation No: BPAD 37802

Expiry: December 2021

Certificate Date: 08/12/2020



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 153, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20	

Determination of Highe	st Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class B woodland	Upslope / Flat Land	77 m	BAL - 12.5

Practitioner Details

Certificate Date:

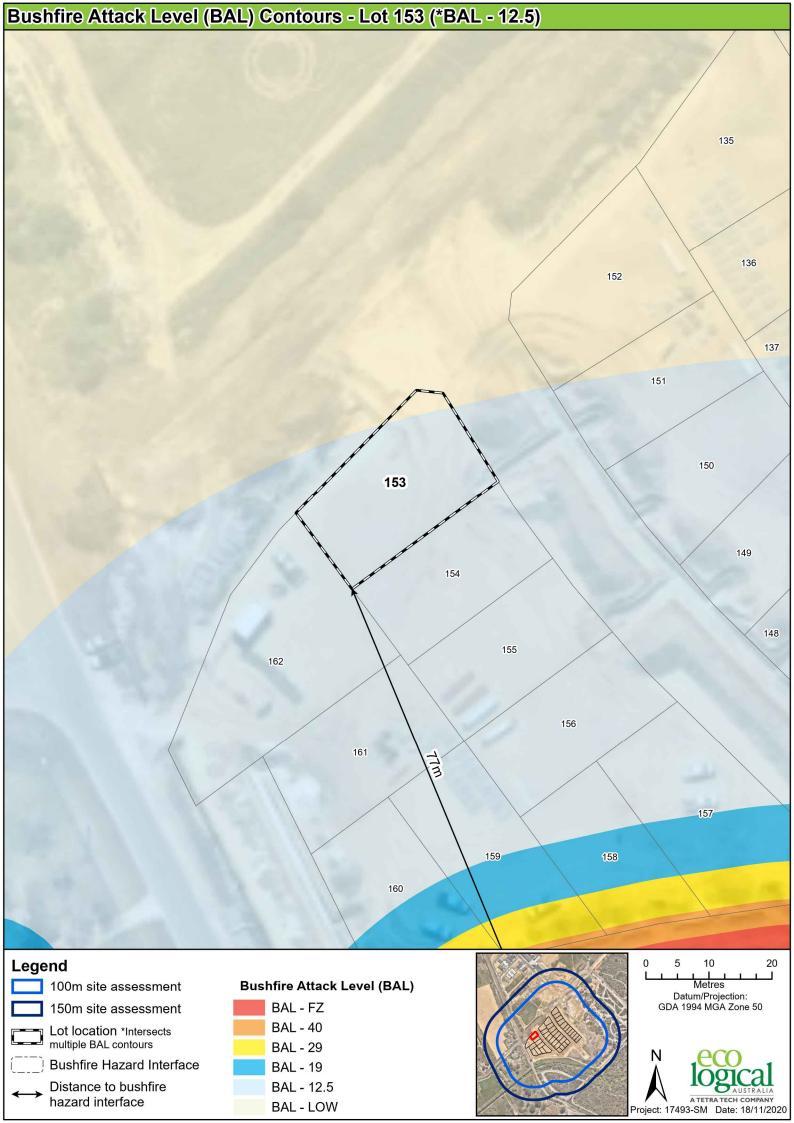
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Daniel Panickar Name

Eco Logical Australia

Signature:

Accreditation No: BPAD 37802 08/12/2020



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 154, Natures Edge Estate				
Suburb:	Southern River, 6110			State:	WA
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20	

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	62 m	BAL - 12.5	

Practitioner Details

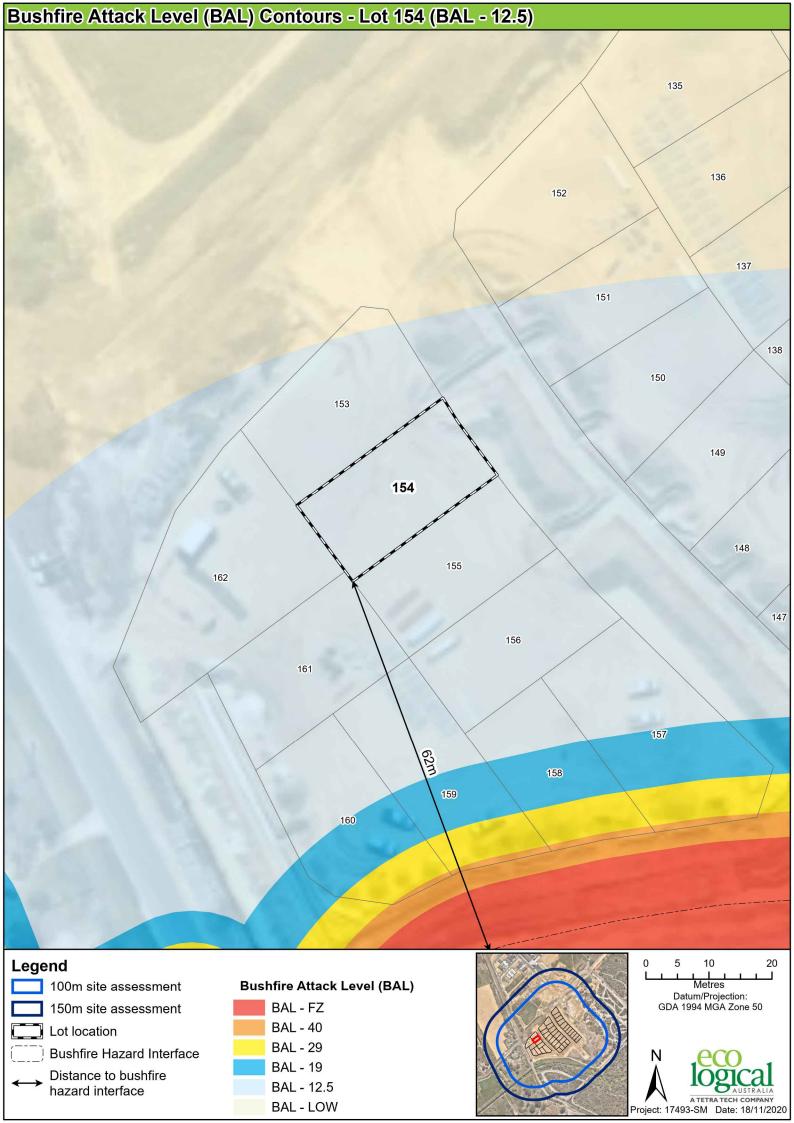
I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2009.

Daniel Panickar Name

Eco Logical Australia

Signature:

Accreditation No: BPAD 37802 **Certificate Date:** 08/12/2020



Determined in accordance with AS 3959-2009

Site Details					
Address:	Lot 155, Natures Edge Estate				
Suburb:	Southern River, 6110	State: WA			
Local Government Area:	City of Gosnells				
Use of building	Residential Dwelling	Main BCA class:	Class 1a		
Report / Job Number:	20PER-17493	Report Date:	08/12/2020		

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class B woodland	Upslope / Flat Land	48 m	BAL - 12.5	

Practitioner Details

Signature:

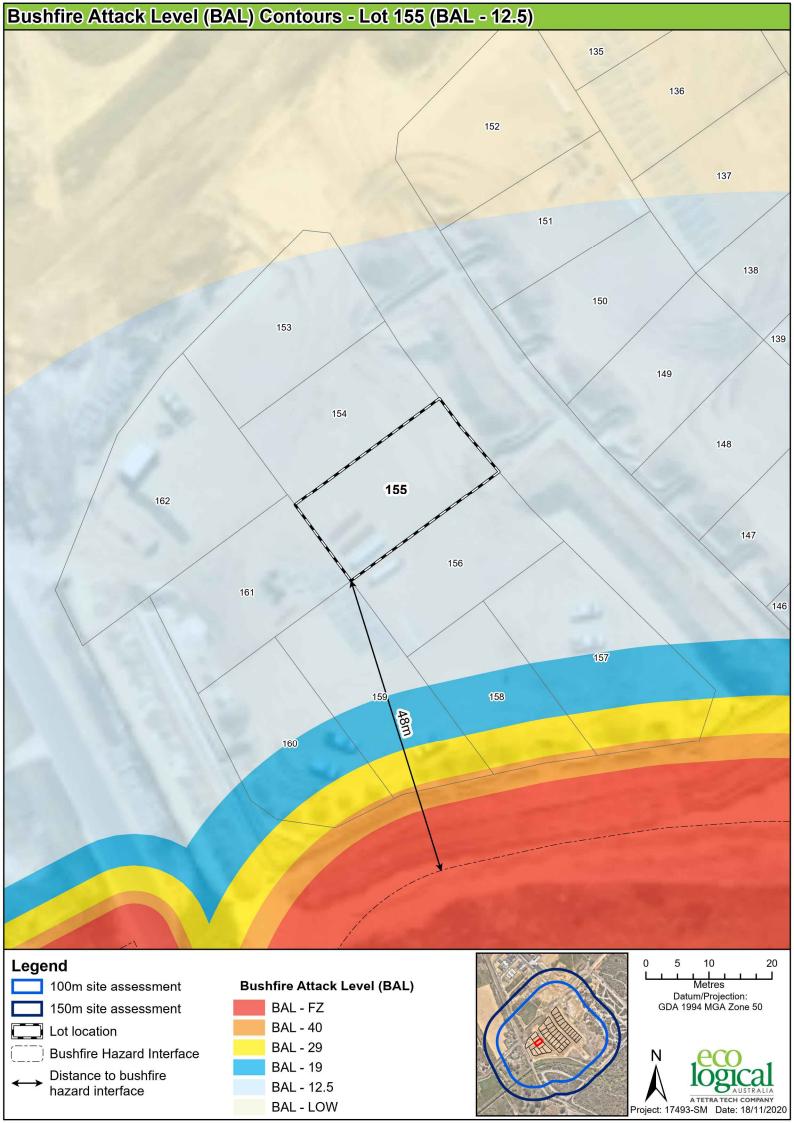
Certificate Date:

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

08/12/2020



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 156, Natures Edge Estate					
Suburb:	Southern River, 6110 State: WA				WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	34 m	BAL - 12.5		

Practitioner Details

Certificate Date:

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.

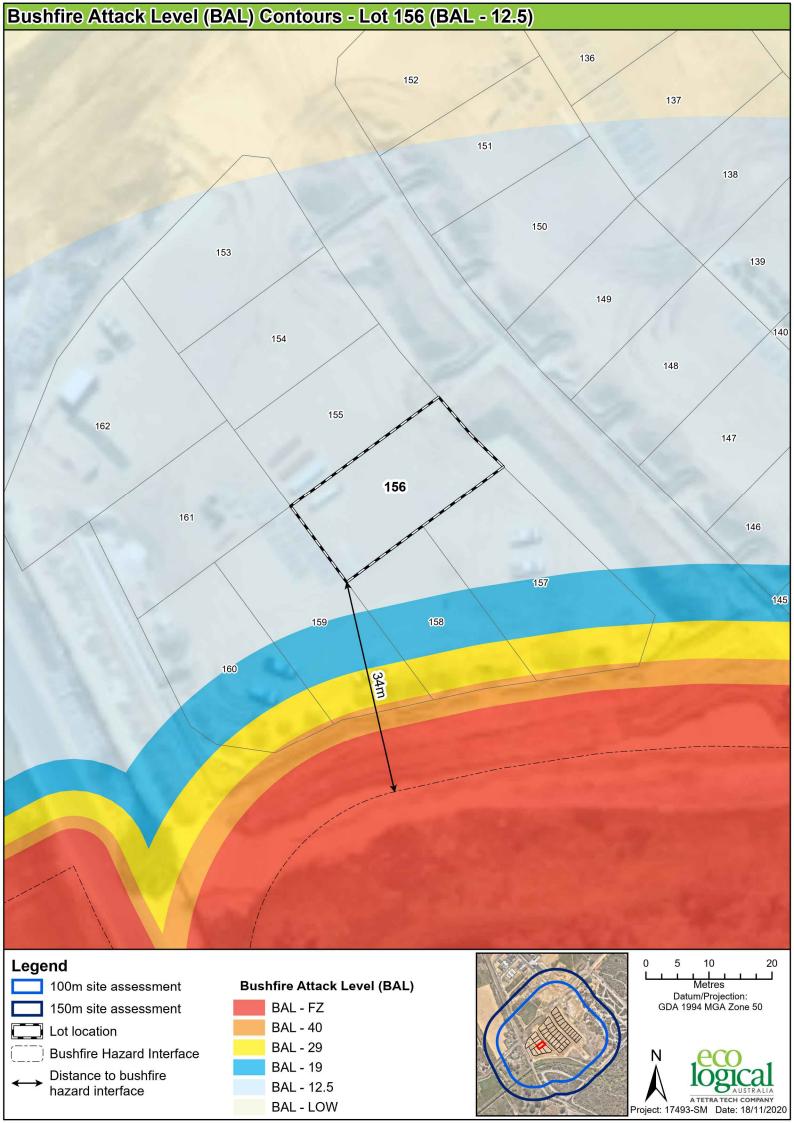
Daniel Panickar Name

Eco Logical Australia

Signature:

08/12/2020

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 157, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20	020		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	17 m	BAL - 29		

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.

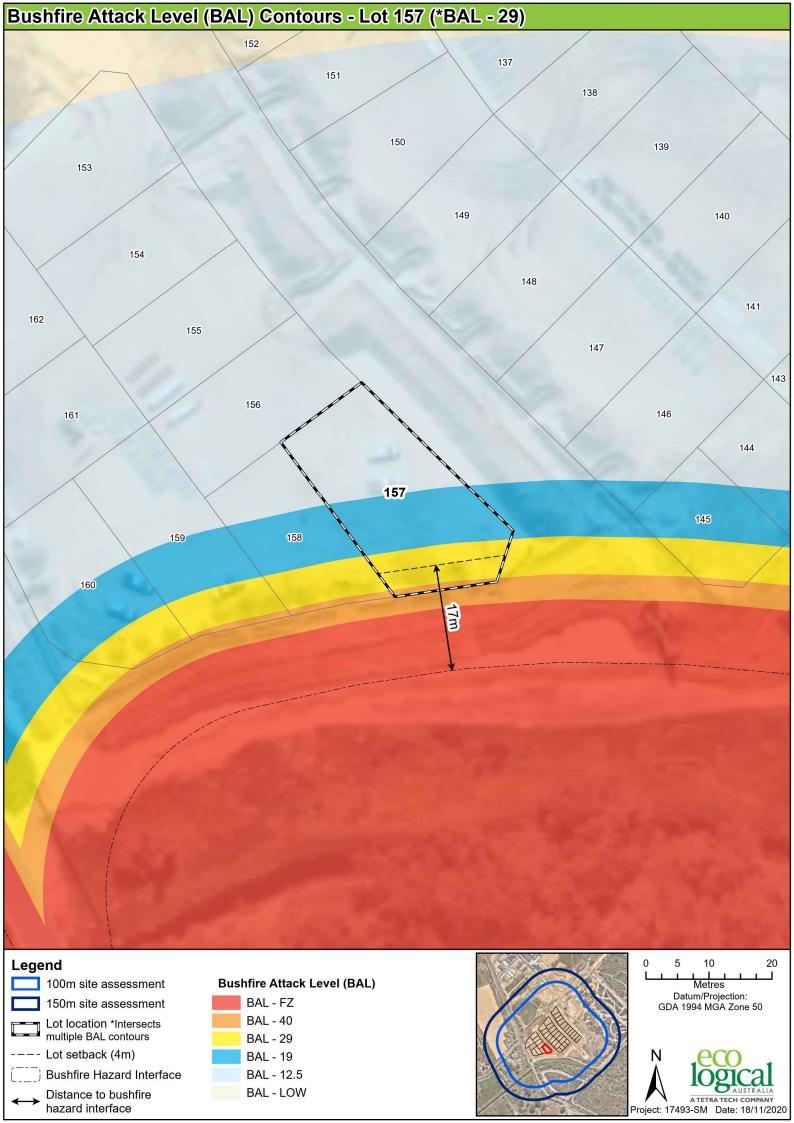
Name Daniel Panickar

Eco Logical Australia

Signature:

Certificate Date: Accreditation No: BPAD 37802

Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 158, Natures Edge Estate					
Suburb:	Southern River, 6110	State: WA				
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020			

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	17 m	BAL - 29		

Practitioner Details

Certificate Date:

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.

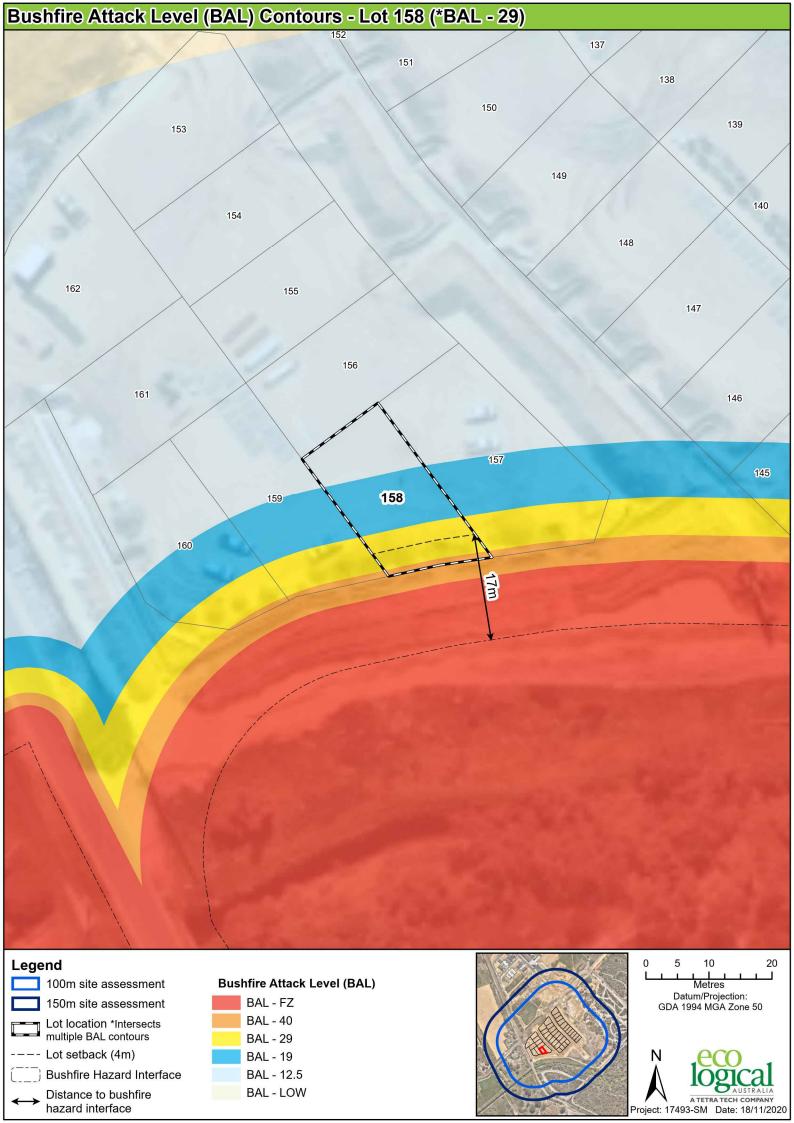
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 159, Natures Edge Estate					
Suburb:	Southern River, 6110 State: WA				WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/202	20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	17 m	BAL - 29		

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

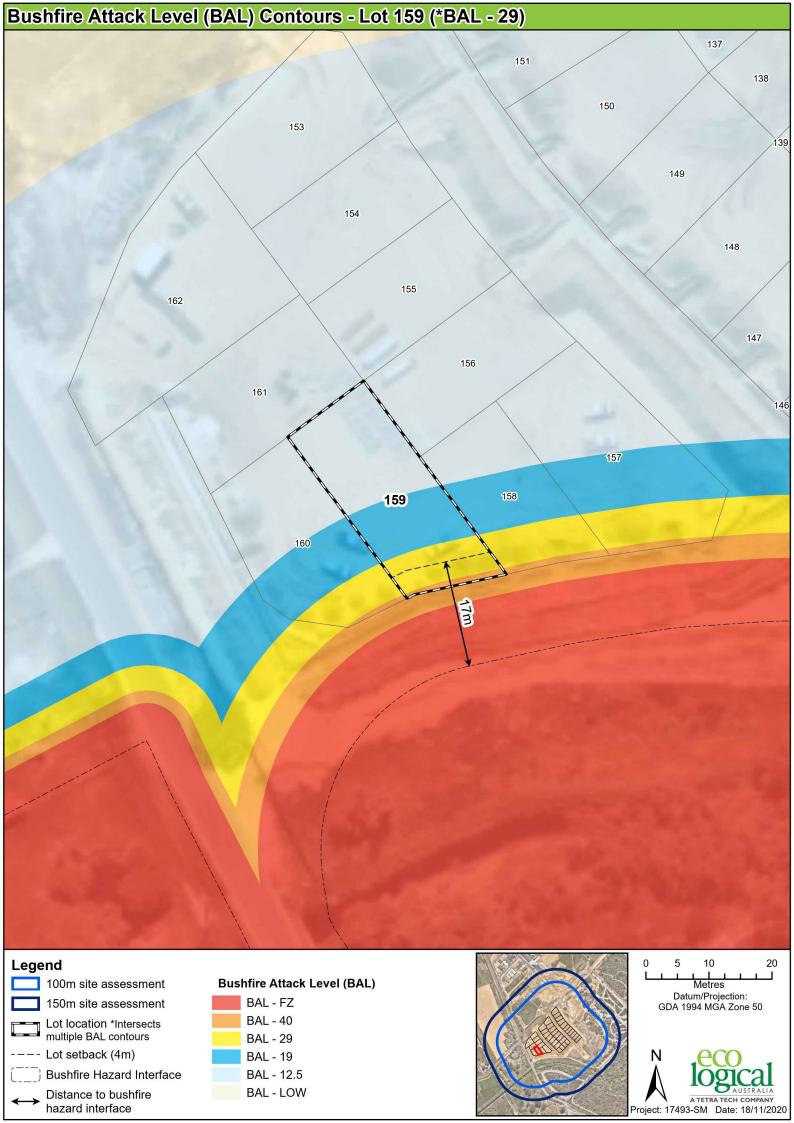
Signature:

Certificate Date:

08/12/2020

BPAD
Bushfire
Planning & Design
Accredited Practitioner
Level 3

Accreditation No: BPAD 37802 Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 160, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class B woodland	Upslope / Flat Land	17 m	BAL - 29		

Practitioner Details

Certificate Date:

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.

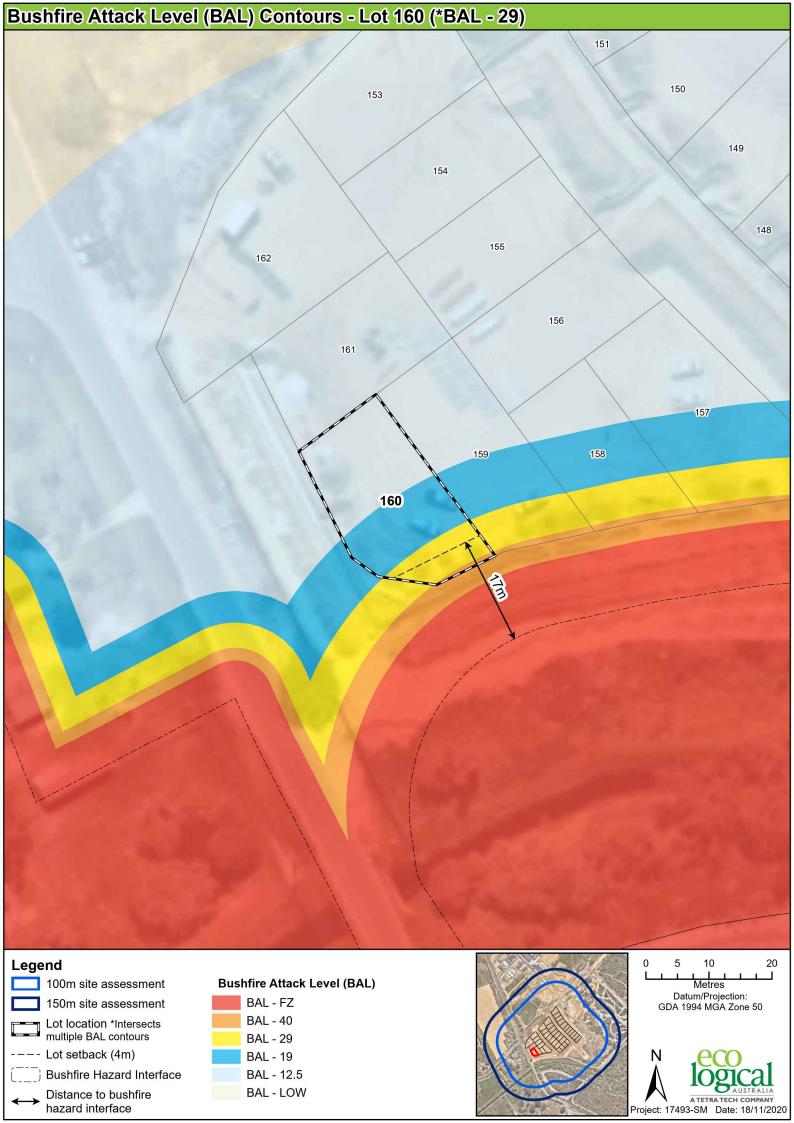
Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 161, Natures Edge Estate					
Suburb:	Southern River, 6110			State:	WA	
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/20)20		

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL		
Method 1	Class G grassland	Upslope / Flat Land	40 m	BAL - 12.5		

Practitioner Details

Certificate Date:

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.

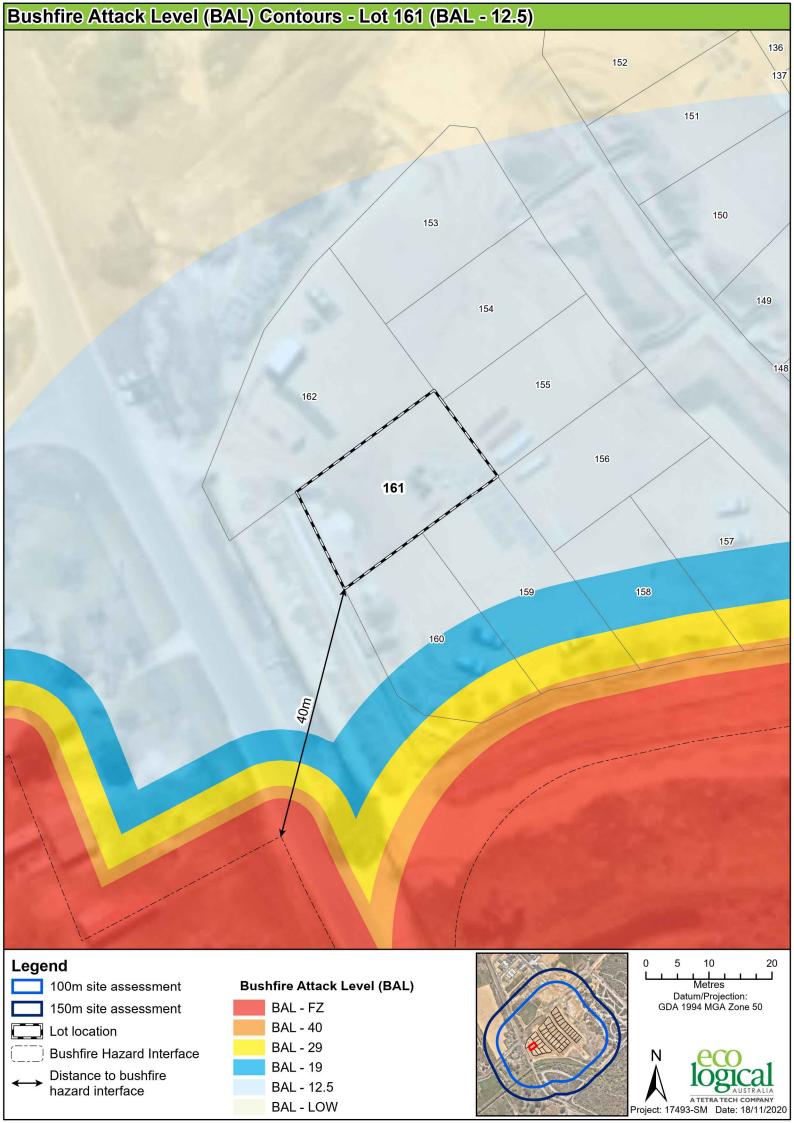
Name Daniel Panickar

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802 Expiry: December 2021



Determined in accordance with AS 3959-2009

Site Details						
Address:	Lot 162, Natures Edge Estate					
Suburb:	Southern River, 6110	State: WA				
Local Government Area:	City of Gosnells					
Use of building	Residential Dwelling	Main BCA class:	Class 1a			
Report / Job Number:	20PER-17493	Report Date:	08/12/2020			

Determination of Highest Bushfire Attack Level					
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class G grassland	Upslope / Flat Land	48 m	BAL - 12.5	

Practitioner Details

Certificate Date:

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.

Daniel Panickar Name

Eco Logical Australia

08/12/2020

Signature:

Accreditation No: BPAD 37802

