



AUSTRALIAN BUSHFIRE CONSULTING SERVICES



0438 668 203



wayne@australianbushfire.com.au



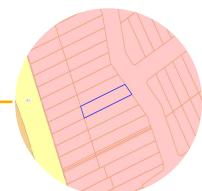
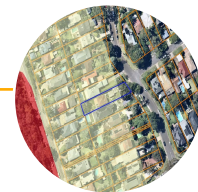
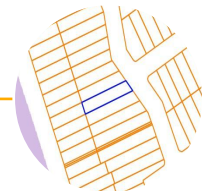
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**BRONZE
MEMBER**
Fire Protection
Association Australia

ABN 23 622 676 493
PO Box 212 Berowra Heights 2082

Bush Fire Assessment Report



Residential alterations and additions:

**16 Kirkwood Street,
Seaforth, NSW 2092.**

1st May 2025
Reference 25-205

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Abbreviations:

ABCS	Australian Bushfire Consulting Services Pty Ltd
APZ	Asset Protection Zone
AS2419.1 2021	Fire hydrant installations System design, installation and commissioning
AS3959 - 2018	Australian Standard 3959 – 2018 Construction of buildings in bushfire prone areas
BAL	Bushfire Attack Level
BCA	Building Code of Australia
BPMs	Bushfire Protection Measures
BPLM	Bushfire Prone Land Map
Council	Northern Beaches Council
DA	Development Application
EP&A Act	Environmental Planning and Assessment Act - 1979
ESD	Ecologically Sustainable Development
FR NSW	Fire & Rescue NSW
IPA	Inner Protection Area
LGA	Local Government Area
NASH Standard	National Association of Steel-Framed Housing Standard - Steel Framed Construction in Bushfire Areas 2021
NCC	National Construction Codes
NP	National Park
NSP	Neighbourhood Safer Place
OPA	Outer Protection Area
PBP 2019	Planning for Bush Fire Protection – 2019
PBP 2022	Addendum Planning for Bush Fire Protection – 2022
PBP 2025	Addendum Planning for Bush Fire Protection – 2025
ROW	Right of Way
RF Act	Rural Fires Act - 1997
RF Reg	Rural Fires Regulations 2022
RFS	NSW Rural Fire Service
SEARs	Planning Secretary's Environmental Assessment Requirements
SEPP	State Environmental Planning Policy
SFPP	Special Fire Protection Purpose
SWS	Static Water Supply
URA	Urban Release Area

1.0 Introduction.

The development seeks approval for the alterations and additions to an existing sole occupancy dwelling within an existing residential allotment at 16 Kirkwood Street, Seaforth, NSW. The proposed work involves an extension to the front of the dwelling with new living spaces and a garage.

The subject site is mapped as bushfire prone land and therefore the application of *Planning for Bush Fire Protection 2019* (PBP 2019) is relevant to the development proposal.

The aims of PBP 2019 is to *provide for the protection of human life and minimise impacts on property from the threat of bush fire, while having due regard to development potential, site characteristics and protection of the environment*. This is achieved by determining and where applicable applying the required asset protection zones, applying the relevant construction requirements, ensuring satisfactory access and egress has been incorporated into the design and providing safe service supply and adequate water provisions for occupants and attending emergency services.

2.0 Property details.

Address: 16 Kirkwood Street, Seaforth, NSW 2092.
Lot/Sec/DP: Lot 77 DP 11162
Zoned: R2 Low Density Residential
LGA: Northern Beaches Council

The site has street frontage to Kirkwood Street to the east and is surrounded by private R2 zoned residential allotments to all aspects. The vegetation that is identified as the potential bushfire threat to the subject property is located within a Garigal National Park to the west of the subject site beyond existing and developed residential properties and Wakehurst Parkway.

3.0 Legislative context.

The development is classified as infill development and assessed under section 4.14 of the Environmental Planning and Assessment Act 1979 (EP&A Act). Under Section 4.14 of the EP&A Act, Council can determine a development application on bushfire prone land providing;

Council is satisfied that the development conforms to the specifications and requirements of Planning for Bush Fire Protection that are relevant to the development or

Council has been provided with a certificate by a person who is recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment stating that the development conforms to the relevant specifications and requirements Planning for Bush Fire Protection.

If the Council is satisfied that the development does not conform to the relevant specifications and requirements of Planning for Bush Fire Protection Council may grant consent but only if it has consulted with the Commissioner of the NSW Rural Fire Service concerning measures to be taken with respect to the development to protect persons, property and the environment from danger that may arise from a bush fire.

The highest bushfire attack level (BAL) to the proposed development has been determined to be BAL 12.5. Suitable recommendations have been made herein to enable Council to issue development consent inclusive of conditions required to ensure compliance with both AS3959 – 2018 or the NASH Std and PBP 2019.

The proposal meets the aims and objectives of PBP 2019 by means of compliance with the deemed to satisfy provisions of that document. I am a person who is recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment and I have attached a certificate to this report satisfying the requirements of s4.14 of the EP & A Act. As such Council can approve the application without referral to the NSW Rural Fire Service.

4.0 Referenced documents and people.

The following documents have been referenced in the preparation of this report.

- AS3959 – 2018 Construction of buildings in bushfire prone areas,
- NASH Standard *National Standard Steel Framed Construction in Bushfire Areas 2021*,
- Planning for Bush Fire Protection 2019,
- Addendum Planning for Bush Fire Protection 2022,
- Addendum Planning for Bush Fire Protection 2025
- Northern Beaches Council's Bushfire Prone Land Map,
- Rural Fires Act 1997,
- Rural Fires Regulation 2022,
- 10/50 Vegetation Clearing Code of Practice,
- NSW RFS Guide for bush fire prone land mapping V5b Nov 2015,
- Ocean Shores to Desert Dunes – David Andrew Keith 2004.

The site plan, garage plan, floor plans, elevations, sections and landscape plans by Pittwater Design + Draft Project No 2411 Sheets DA01-DA14 inclusive have been reviewed and relied upon in preparation for this report.

5.0 Copyright, scope and disclaimer.

This assessment of possible bushfire impact (including smoke, ember, radiant heat and flame contact) and compliance with other matters such as access and service supply is pertinent to the subject site only. Where reference has been made to the surrounding lands, this report does not assess impact to those lands rather it is an assessment of possible bushfire progression and impact on or from those lands towards the subject site.

Apart from any use permitted under the Copyright Act 1968 no part of this document, including any wording, images, or graphics, can be modified, changed or altered in any way without written permission from Australian Bushfire Consulting Services Pty Ltd. This report may only be referenced, distributed or forwarded to other parties in its original format.

This report has been prepared as a submission document in support of a development application to Council and cannot be relied upon for commencement of works or construction until it has been included within the consent conditions issued by Council as part of the DA determination. **The onus is on the applicant to cross reference this document with any conditions of consent issued by Council or any requirements supplied by the NSW Rural Fire Service following development approval.** I can review and cross reference these documents however the onus is on the applicant / client to provide them to me and request this review.

Where any difference between this document and the development consent (or the NSW Rural Fire Service requirements) is found, the conditions of consent always take precedence until an application to review, amend or vary those conditions is approved.

The statements and opinions contained in this report are given in good faith and in the belief that such statements and opinions are correct and not misleading. AS3959 – 2018 states that *"...there can be no guarantee that a building will survive a bushfire event of every occasion. This is substantially due to the degree of vegetation management, the unpredictable nature and behaviour of fire, and extreme weather conditions"*. The NSW RFS state *"Homes are not designed to withstand fires in catastrophic conditions"*. Correspondingly any representation, statement of opinion, or advice expressed or implied in this document is made on the basis that Australian Bushfire Consulting Services Pty Ltd is not liable to any person for any damage or loss whatsoever which has occurred or may occur in relation to that person taking or not taking (as the case may be) action in respect of any representation, statement or advice made by Australian Bushfire Consulting Services Pty Ltd.

6.0 Assessment summary table.

Aspect	North	South	West	East
Vegetation Structure	n/a	n/a	Forest	n/a
Hazard slope	n/a	n/a	5-10° downslope	n/a
Asset protection zone	n/a	n/a	≥ 85 metres	n/a
Features that may mitigate the impact of bush fire on the proposed development.	The separation from the hazard interface includes existing maintained land wholly within the subject site and land considered to be equivalent to an asset protection zone being existing managed land within developed neighbouring private allotments and Wakehurst Parkway road reserve. The asset protection zone is existing, and no tree removal or vegetation modification is required to establish it. As such there is no impact on the environment of the bushfire protection measures relied upon in this assessment.			
Noteworthy landform & environmental features.	Maintained curtilages	Maintained curtilages	Maintained curtilages / Wakehurst Parkway	Maintained curtilages / Kirkwood Street
Bushfire Attack Level Table A1.12.5 PBP 2019	n/a	n/a	BAL 12.5	n/a
Required Construction Level	The highest Bushfire Attack Level to the proposed new works was determined from Table A1.12.5 PBP 2019 to be 'BAL 12.5'. The proposed new works are required to comply with section 3 and 5 BAL 12.5 of AS 3959 – 2018 <i>Construction of buildings in bushfire prone areas</i> or NASH Standard <i>National Standard Steel Framed Construction in Bushfire Areas 2021</i> as appropriate for BAL 12.5 construction. The additional construction requirements detailed within section 7.5.2 of PBP 2019 are also applicable. Any new fences within the subject site should be made from hardwoods or non-combustible materials, however where a fence or gate is located within 6 metres of a dwelling, they should be made of non-combustible material only. Note: Certain provisions of AS 3959 are varied in NSW based on the findings of the Victorian Bush Fires Royal Commission and bush fire industry research. <i>Planning for Bush Fire Protection 2019</i> section 7.5.2 provides a NSW State Variation that BAL 12.5 decks are constructed to section 7.7 BAL 29 requirements except that any wall enclosing the subfloor space need only comply with the wall requirements for the BAL 12.5.			

Guideline Ref.	Proposed Development Determinations
Property Access	The most disadvantaged point of the existing dwelling and proposed new works are within 70 metres of a road that supports the operational use of fire appliances (hydrants). Free pedestrian access is available around the building footprint. Access to the hazard interface for fire suppression or hazard reduction activities is available without the need to enter the subject site. The access requirements of Table 7.4a within PBP 2019 are not applicable.
Water Supply	The subject site is connected to reticulated water mains for domestic needs. Hydrants are located along Kirkwood Street and other surrounding streets and are available for the replenishment of firefighting appliances. The nearest hydrant is located within the roadside verge of Kirkwood Street immediately to the southeast of the subject site. The most disadvantaged point of the existing dwelling and proposed new works are located less than 70 metres from a public road that supports the operational use of fire appliances (hydrants) and the distances specified within AS2419-2021 are achieved. A static water supply is not required.
Electrical & Gas Supply	Existing below ground electrical supply is available to the subject site and reticulated gas mains is available in this area. There are no new electrical service connections or gas installations proposed as part of this development.
Evacuation	Occupants are encouraged to complete a Bush Fire Safety Plan addressing “Prepare, Act, Survive” as advocated by the NSW RFS http://www.rfs.nsw.gov.au/ under publications / bushfire safety.

7.0 Images and maps.

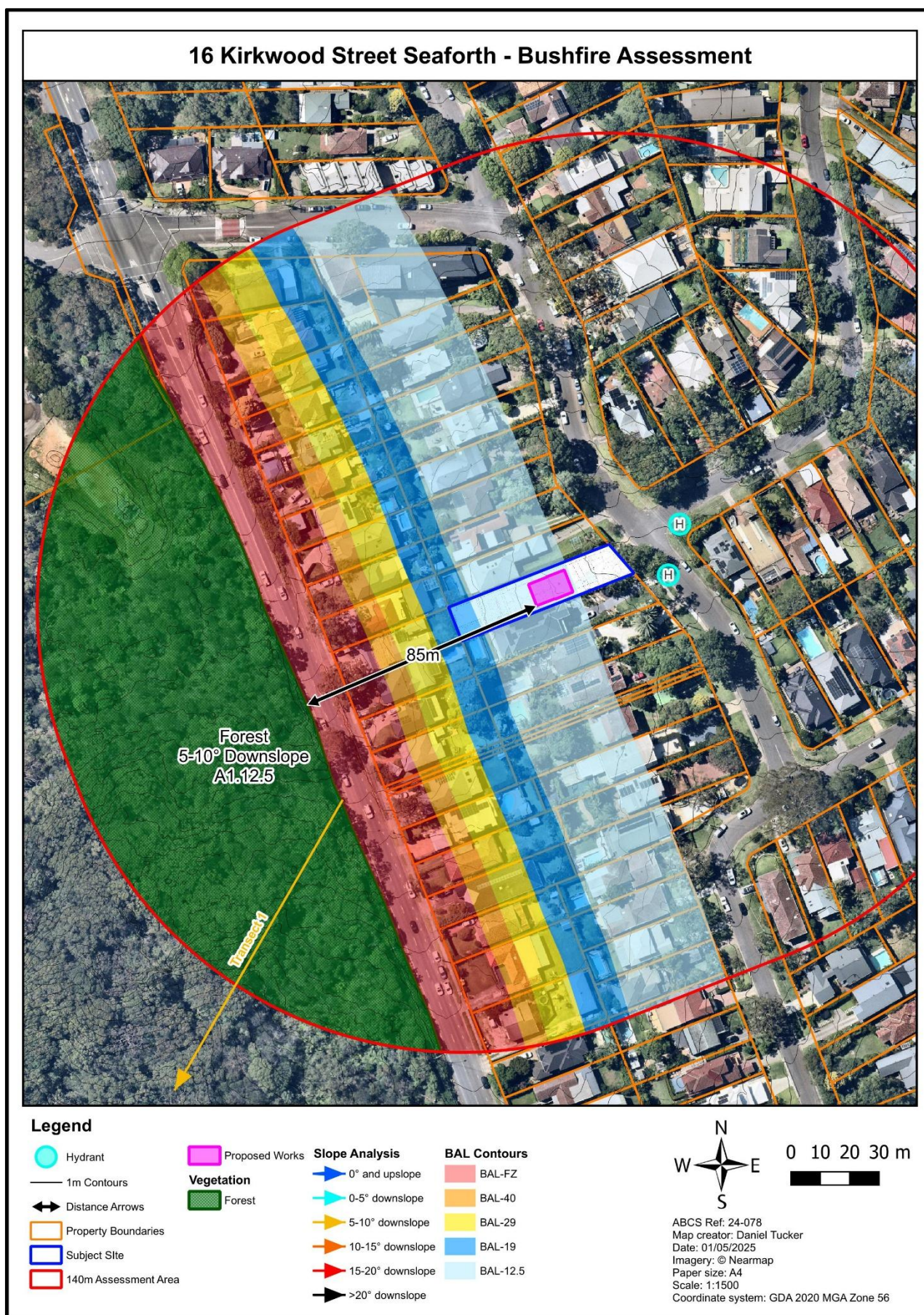


Image 01: Assessment summary and BAL contour overlay across the subject area.



Image 021: Aerial Image with Property Boundaries from NSW Government Spatial Collaboration Portal

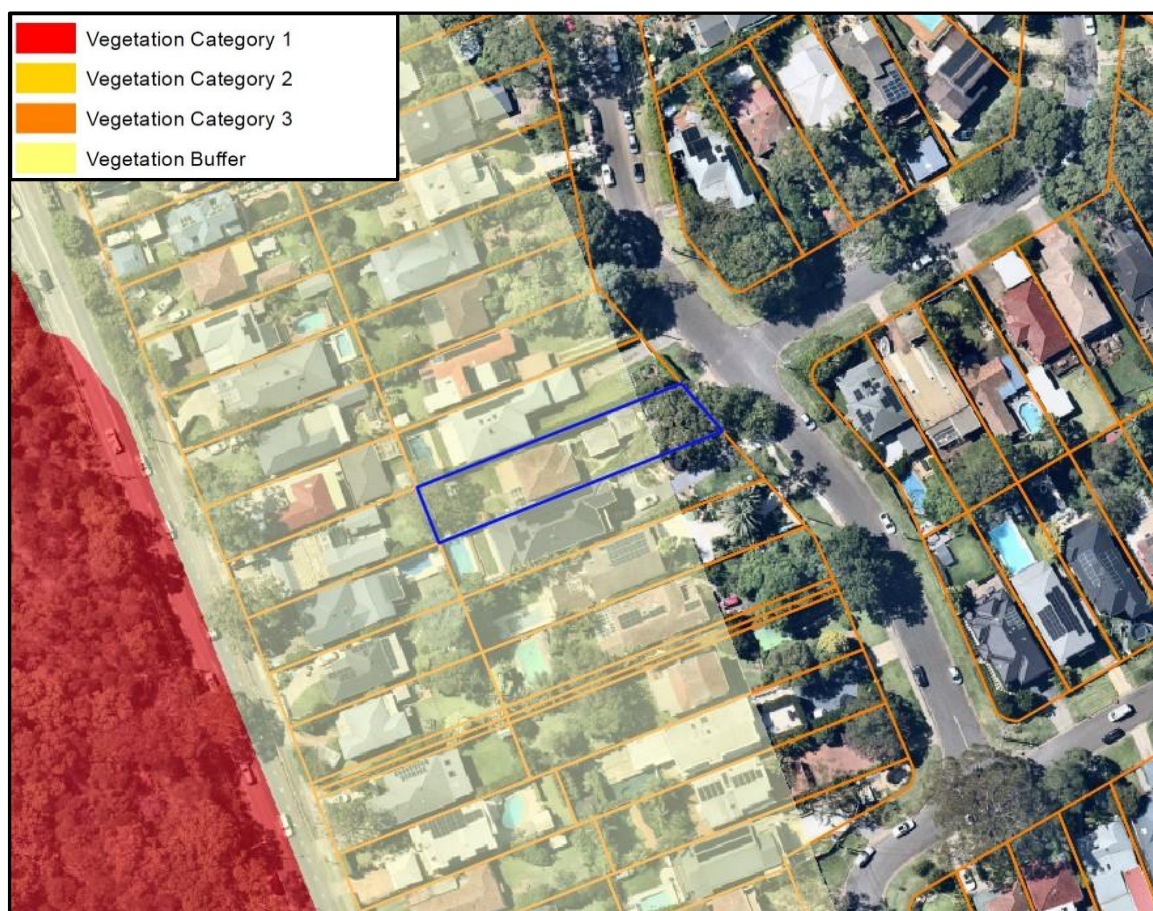


Image 03: Bushfire Prone Land Map from NSW Rural Fire Service Web Services



Image 04: 1m Contours Digital Elevation Model from NSW Government Elevation Foundation Data

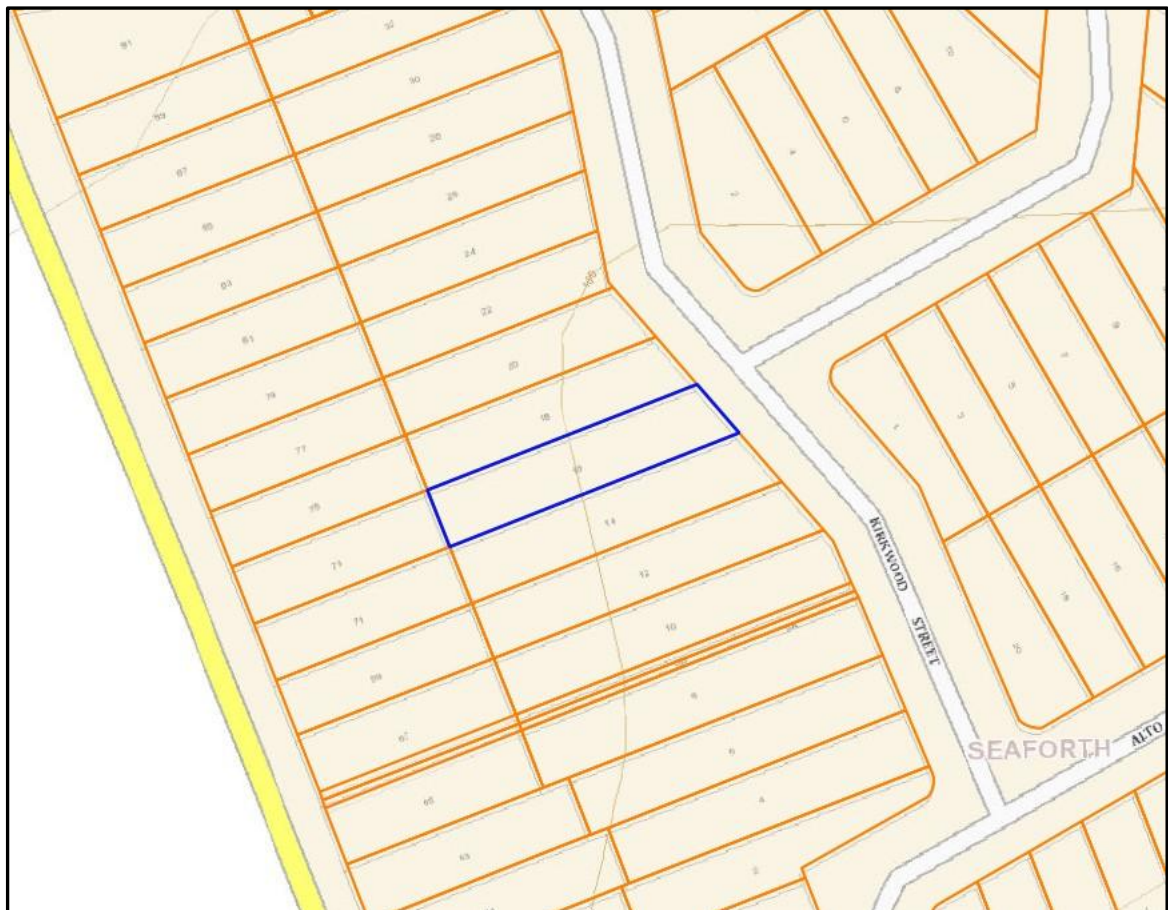


Image 05: Topographic Image from NSW Government Spatial Collaboration Portal



Image 06: Biodiversity Values Map from NSW Government Spatial Collaboration Portal

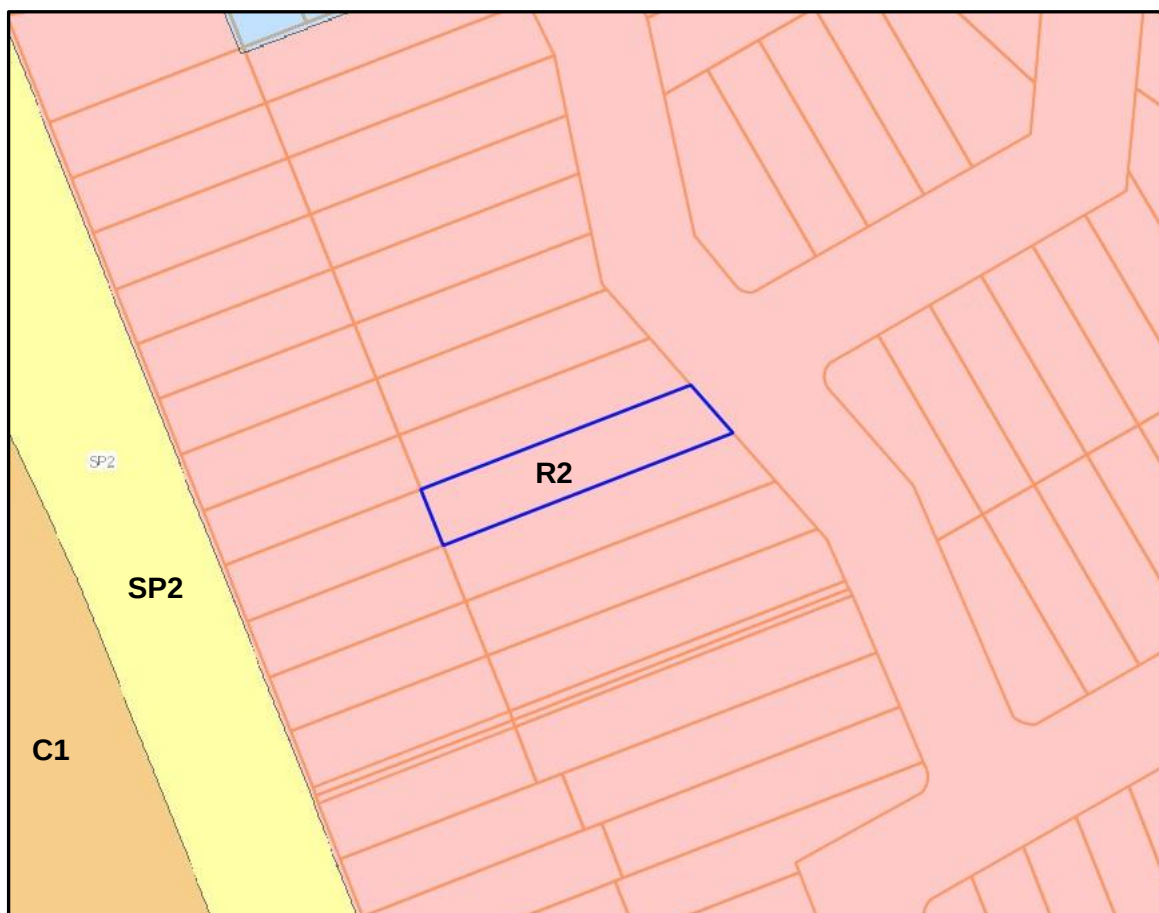


Image 07: Council LEP Zones from NSW Government Spatial Collaboration Portal

8.0 Bushfire hazard assessment

Properties considered to be bushfire prone land are identified on Councils Bushfire Prone Land Map as being:

- *within or within 100 m of Category 1 (high) hazards or,*
- *within or within 30 m of Category 2 (low) hazards or,*
- *within or within 30 m of Category 3 (medium) hazards.*

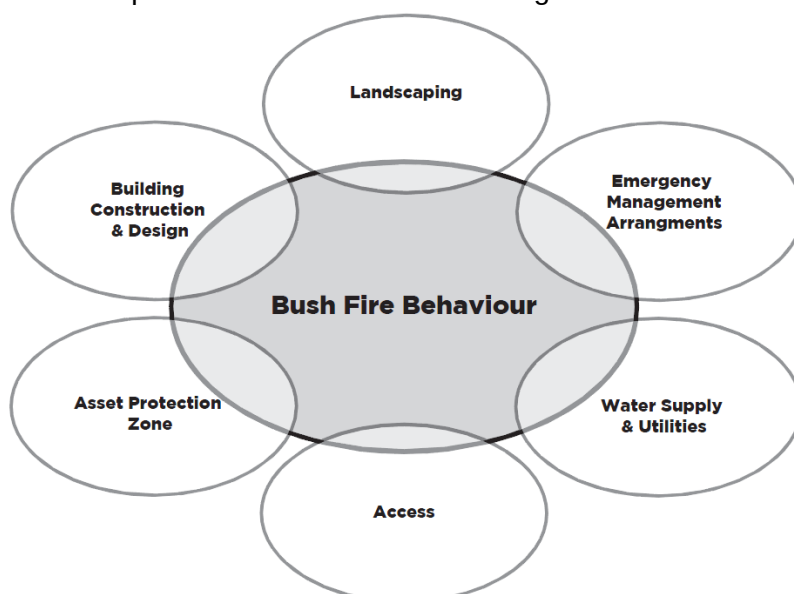
The NSW RFS document PBP – 2019 is applicable to all development on bushfire prone land, this includes an assessment of the proposals adequacy in providing an appropriate combination of bushfire protection measures in terms of asset protections zones, landscaping, access and service supply. This document also provides a means of determining the necessary level of building construction under AS3959 - 2018. Infill development proposals on BFPL must be accompanied by bush fire assessments and reports demonstrating compliance with PBP 2019.

In particular, the following must be addressed:

- a statement that the site is BFPL;
- the location, extent and vegetation formation of any bushland on or within 140 metres of the site;
- the slope and aspect of the site and of any BFPL within 100 metres of the site;
- any features on or adjoining the site that may mitigate the impact of a bush fire on the proposed development;
- a statement assessing the likely environmental impact of any proposed BPMs;
- a site plan showing access, water supplies, APZs, BAL requirements and building footprint in relation to the bush fire hazards; and
- calculated BAL construction levels.

By incorporating bush fire protection measures into a development, the six objectives of PBP 2019 are addressed:

1. afford buildings and their occupants protection from exposure to a bush fire;
2. provide for a defendable space to be located around buildings;
3. provide appropriate separation between a hazard and buildings which, in combination with other measures,
4. prevent the likely fire spread to buildings;
5. ensure that appropriate operational access and egress for emergency service personnel and occupants is available;
6. provide for ongoing management and maintenance of BPMs; and ensure that utility services are adequate to meet the needs of firefighters.



8.1 Site

The site has street frontage to Kirkwood Street to the east and is surrounded by private R2 zoned residential allotments to all aspects.

Council's Bushfire Prone Land Map identifies this property as being within the 100 metre buffer zone from a Category 1 Vegetation. Therefore, it is appropriate to apply PBP 2019 to the development proposal.

8.2 Vegetation

PBP 2019 requires a classification of the vegetation on and surrounding the property out to a distance of 140 metres from property boundary (or building footprint). The subject site and surrounding neighbouring private allotments are managed as an asset protection zone around the built assets.

The vegetation that is identified as the potential bushfire threat to the subject property is located within a Garigal National Park to the west of the subject site beyond existing and developed residential properties and Wakehurst Parkway.

The vegetation is identified on the NSW Gov SEED portal as a mix of:

Vegetation Formation: Dry Sclerophyll Forests (Shrubby sub-formation)
Vegetation Class: Sydney Coastal Dry Sclerophyll Forests
PCT 3595 Name: Sydney Coastal Sandstone Gully Forest

Vegetation Formation: Dry Sclerophyll Forests (Shrubby sub-formation)
Vegetation Class: Sydney Coastal Dry Sclerophyll Forests
PCT 3593 Name: Sydney Coastal Sandstone Bloodwood Shrub Forest

For the purpose of assessment under Table A1.12.5 of PBP 2019 a Forest classification has been applied the vegetation to the west along Transect 1.

8.3 Topography

The slope must be assessed over a distance of 100m from the existing property boundary (or building footprint) towards the various vegetation communities constituting the hazard. In assessing the slope, it may be found that there are a variety of slopes covering different distances. The gradient within the hazard (vegetation) which will most significantly influence the fire behaviour must be determined.

The most influential slope was assessed onsite and verified by using 1 metre contour mapping to be:

- 5-10° downslope within the hazard to the east along Transect 1.

8.4 Asset Protection Zones

An Asset Protection Zone (APZ) is a buffer zone between a bush fire hazard and buildings, which is managed progressively to minimise fuel loads and reduce potential radiant heat levels, flame, ember and smoke attack. A fuel-reduced, physical separation between buildings and bush fire hazards is the key element in the suite of bushfire protection measures.

The existing available asset protection zones were measured onsite and verified from plans and aerial imagery to be;

- ≥ 85 metres to the east

The separation from the hazard interface includes existing maintained land wholly within the subject site and land considered to be equivalent to an asset protection zone being existing managed land within developed neighbouring private allotments and Wakehurst Parkway road reserve.

The asset protection zone is existing, and no tree removal or vegetation modification is required to establish it. As such there is no impact on the environment of the bushfire protection measures relied upon in this assessment

Recommendations will be included within this report to ensure that at the commencement of construction and in perpetuity all land not built upon within the subject site is continued to be maintained as an Asset Protection Zone / Inner Protection Area in accordance with the requirements detailed within Appendix 4 of *Planning for Bush Fire Protection 2019* and the NSW RFS document Standards for an Asset Protection Zone.

Inner Protection Areas (IPAs)

Vegetation within the IPA should be kept to a minimum level. Litter fuels within the IPA should be kept below 1cm in height and be discontinuous. When establishing and maintaining an IPA the following requirements apply:

Trees

- tree canopy cover should be less than 15% at maturity;
- trees at maturity should not touch or overhang the building;
- lower limbs should be removed up to a height of 2m above the ground;
- tree canopies should be separated by 2 to 5m; and
- preference should be given to smooth barked and evergreen trees.

Shrubs

- create large discontinuities or gaps in the vegetation to slow down or break the progress of fire towards buildings should be provided;
- shrubs should not be located under trees;
- shrubs should not form more than 10% ground cover; and
- clumps of shrubs should be separated from exposed windows and doors by a distance of at least twice the height of the vegetation.

Grass

- grass should be kept mown (as a guide grass should be kept to no more than 100mm in height); and
- leaves and vegetation debris should be removed.

8.5 Access & egress

The subject property has street frontage to Kirkwood Street to the southwest. Persons seeking to egress the subject site will be able to do so via the existing access drive and the existing road infrastructure. It is encouraged that the occupants complete a Bush Fire Safety Plan addressing "Prepare, Act, Survive" as advocated by the NSW RFS <http://www.rfs.nsw.gov.au/> under publications / bushfire safety.

The most disadvantaged point of the existing dwelling and proposed new works are within 70 metres of a road that supports the operational use of fire appliances (hydrants). Free pedestrian access is available around the building footprint. Access to the hazard interface for fire suppression or hazard reduction activities is available without the need to enter the subject site.

The access requirements of Table 7.4a within PBP 2019 are not applicable.

8.6 Services

The subject site is connected to reticulated water mains for domestic needs. Hydrants are located along Kirkwood Street and other surrounding streets and are available for the replenishment of firefighting appliances. The nearest hydrant is located within the roadside verge of Kirkwood Street immediately to the southeast of the subject site.

The most disadvantaged point of the existing dwelling and proposed new works are located less than 70 metres from a public road that supports the operational use of fire appliances (hydrants) and the distances specified within AS2419-2021 are achieved.

A static water supply is not required.

Existing below ground electrical supply is available to the subject site and reticulated gas mains is available in this area. There are no new electrical service connections or gas installations proposed as part of this development.

8.7 Construction

AS3959 – 2018	
BAL Low	It is predicated on low threat vegetation and non-vegetated areas. This Standard does not provide construction requirements for buildings assessed in bushfire-prone areas as being BAL-LOW.
BAL-12.5	BAL-12.5 is primarily concerned with protection from ember attack and radiant heat up to and including 12.5 kW/m ² where the site is less than 100 m from the source of bushfire attack.
BAL-19	BAL-19 is primarily concerned with protection from ember attack and radiant heat greater than 12.5 kW/m ² up to and including 19 kW/m ² .
BAL-29	BAL-29 is primarily concerned with protection from ember attack and radiant heat greater than 19 kW/m ² up to and including 29 kW/m ² .
BAL-40	BAL-40 is primarily concerned with protection from ember attack, increased likelihood of flame contact and radiant heat greater than 29 kW/m ² and up to and including 40 kW/m ² .
BAL-FZ	BAL-FZ is primarily concerned with protection from flame contact together with ember attack and radiant heat of more than 40 kW/m ² . Construction in the Flame Zone BAL-FZ may require reliance on measures other than construction. The requirements for construction of a building in the Flame Zone are regulated by the building authorities having jurisdiction in the States and Territories of Australia.



Planning for Bush Fire Protection 2019 provides for six (6) levels of building construction these being BAL - Low, BAL - 12.5, BAL - 19, BAL - 29, BAL - 40 and BAL - FZ. A Bushfire Attack Level (BAL) is a means of measuring the severity of a building's potential exposure to ember attack, radiant heat and direct flame contact, using increments of radiant heat expressed in kilowatts per metre squared, and is the basis for establishing the requirements for construction to improve protection of building elements from attack by bushfire.

The highest Bushfire Attack Level to the proposed new works was determined from Table A1.12.5 PBP 2019 to be 'BAL 12.5'.

The proposed new works are required to comply with section 3 and 5 BAL 12.5 of AS 3959 – 2018 *Construction of buildings in bushfire prone areas* or NASH Standard *National Standard Steel Framed Construction in Bushfire Areas 2021* as appropriate for BAL 12.5 construction.

The additional construction requirements detailed within section 7.5.2 of PBP 2019 are also applicable.

Note: Certain provisions of AS 3959 are varied in NSW based on the findings of the Victorian Bush Fires Royal Commission and bush fire industry research. *Planning for Bush Fire Protection 2019* section 7.5.2 provides a NSW State Variation that BAL 12.5 decks are constructed to section 7.7 BAL 29 requirements except that any wall enclosing the subfloor space need only comply with the wall requirements for the BAL 12.5.

PBP 2019 Fences and Gates:

Fences and gates in bush fire prone areas may play a significant role in the vulnerability of structures during bush fires. In this regard, all fences in bush fire prone areas should be made of either hardwood or non-combustible material. However, in circumstances where the fence is within 6m of a building or in areas of BAL-29 or greater, they should be made of non-combustible material only.

Any new fences within the subject site should be made from hardwoods or non-combustible materials, however where a fence or gate is located within 6 metres of a dwelling, they should be made of non-combustible material only.

9.0 Recommendations

9.1 Asset Protection Zones / landscaping

1. That at the commencement of construction and in perpetuity all land not built upon within the subject site is continued to be maintained as an Asset Protection Zone / Inner Protection Area in accordance with the requirements detailed within Appendix 4 of *Planning for Bush Fire Protection 2019* and the NSW RFS document *Standards for an Asset Protection Zone*.

9.2 Construction

2. That the proposed new works are to be constructed in accordance with section 3 and 5 BAL 12.5 of AS 3959 – 2018 *Construction of buildings in bushfire prone areas* or NASH Standard *National Standard Steel Framed Construction in Bushfire Areas 2021* as appropriate for BAL 12.5 construction.
3. That the proposed new works are also constructed to that of the 'Additional Construction Requirements' detailed within section 7.5.2 of *Planning for Bush Fire Protection 2019* (see footnote).
4. That any new fences within the subject site should be made from hardwoods or non-combustible materials, however where a fence or gate is located within 6 metres of a dwelling, they should be made of non-combustible material only.

Note: Certain provisions of AS 3959 are varied in NSW based on the findings of the Victorian Bush Fires Royal Commission and bush fire industry research. *Planning for Bush Fire Protection 2019* section 7.5.2 provides a NSW State Variation that BAL 12.5 decks are constructed to section 7.7 BAL 29 requirements except that any wall enclosing the subfloor space need only comply with the wall requirements for the BAL 12.5.

10.0 Conclusion

The National Construction Code 2022 (NCC) Volume 2 requires that a Class 1 building or a Class 10a building or deck associated with a Class 1 building that is constructed in a designated bushfire prone area is to provide resistance to bushfires in order to reduce the danger to life and reduce the risk of the loss of the building.

The subject property is determined to be bushfire prone land and the proposal must achieve compliance with the NCC by meeting the aims and objectives of PBP 2019. This is achieved by providing construction measures to mitigate against the impacts from bush fire including smoke, embers, radiant heat and flame contact and including suitable access, services supply and means of maintaining the bushfire protection measures for the life of the development.

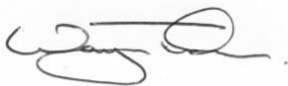
This bushfire hazard and determination has been made on a site-specific basis which includes an assessment of the local bushland area and its possible impact to the subject property. The highest Bushfire Attack Level to the proposed new works was determined to be 'BAL 12.5'. Suitable recommendations have been made herein to enable Council to issue development consent inclusive of conditions required to ensure compliance with all requirements of PBP 2019.

The proposal meets the aims and objectives of PBP 2019 by means of compliance with the deemed to satisfy provisions of that document. I am a person who is recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment and I have attached a certificate to this report satisfying the requirements of s4.14. As such Council can approve the application without referral to the NSW Rural Fire Service.

In consideration of the bushfire risk posed to the proposed development in combination with the recommended bushfire protection measures contained within this report I am satisfied they will provide a reasonable and satisfactory level of bushfire protection to the proposed development.

I am therefore in support of the development application.

Australian Bushfire Consulting Services Pty Ltd




Wayne Tucker

Managing Director
G. D. Design in Bushfire Prone Areas.
Certificate IV Fire Technology
Ass Dip Applied Science
FPA Australia BPAD Level 3 Accredited Practitioner
BPAD Accreditation No. BPAD9399
Graduate Member Institute of Fire Engineers

11.0 List of attachments

Attachment 01: s4.14 Certificate

Bush Fire Certificate

Certificate issued unders4.14(1)(b) of the *Environmental Planning & Assessment Act, 1979* and *Planning for Bush Fire Protection 2019*

This Certificate has been issued by a person accredited by Fire Protection Association Australia (FPA Australia) under the Bush Fire Planning and Design (BPAD) Accreditation Scheme and who is recognised by the NSW Rural Fire Service as a qualified consultant in bushfire risk assessment within the meaning of section 4.14(1)(b) of the *Environmental Planning and Assessment Act 1979* (NSW).

Property Details and Description of Works

Address Details	Unit no	Street no	Street name	Lot/Sec/DP
	Suburb			State
Local Government Area				
BCA class of the building				
Description of the proposal				
Development Application Reference				

Bush Fire Assessment Report

A detailed Bush Fire Assessment Report is attached, which includes the relevant submission requirements set out in <i>Appendix 2 of Planning for Bush Fire Protection 2019</i> together with recommendations as to how the relevant specifications and requirements are to be achieved.	☐ YES ☐ NO
Report Reference and date	

BPAD Certification

Name	I hereby certify, in accordance with Section 4.14(1)(b) of the <i>Environmental Planning and Assessment Act 1979</i> that:	
Company Details & ABN	- I am a person recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment; and - the development conforms to the relevant specifications and requirements of Planning for Bush Fire Protection 2019 in accordance with section 4.14(1)(b) of the <i>Environmental Planning and Assessment Act 1979</i> (NSW).	
BPAD Accreditation Number	Signature	Date
		