

Bushfire Assessment

Under Section 79BA of the *Environmental Planning and Assessment Act 1979*

About this Form

In August 2002 the EP&A Act and Rural Fires Act 1997 were both amended to enhance bush fire protection through the development application process. For any development on bush fire prone land, you need to include a bush fire assessment report. You can use this template or engage a qualified consultant to prepare a detailed bush fire report. For more information, see our website.

Property Details

Lot Number*

Section Number*

Deposited/Strata Plan Number*

Street Number*

Street Name*

Suburb/Town*

Postcode*

Applicant(s) Surname/Company Name*

Given Name/s*

Type of Proposal

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> New Building | <input type="checkbox"/> Commercial |
| <input type="checkbox"/> Dual Occupancy | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Alterations/additions to an existing building | <input type="checkbox"/> Other |

Proposal Description (eg two storey with attached garage)

Bush Fire Attack Level

The location, extent and vegetation formation of any bushland on or within 140m of the site - refer to Appendix 2 of *Planning for Bush Fire Protection 2006* available from the NSW Rural Fire Service website or via a link on our website.

Step 1 Assess the vegetation about the proposed building in all directions and convert to AUSLIG (1990) using Table 1

Category	North	East	South	West
Converted Vegetation	<input type="checkbox"/> Forest	<input type="checkbox"/> Forest	<input type="checkbox"/> Forest	<input type="checkbox"/> Forest
	<input type="checkbox"/> Woodland	<input type="checkbox"/> Woodland	<input type="checkbox"/> Woodland	<input type="checkbox"/> Woodland
	<input type="checkbox"/> Shrubland	<input type="checkbox"/> Shrubland	<input type="checkbox"/> Shrubland	<input type="checkbox"/> Shrubland
	<input type="checkbox"/> Scrub	<input type="checkbox"/> Scrub	<input type="checkbox"/> Scrub	<input type="checkbox"/> Scrub
	<input type="checkbox"/> Mallee/Mulga	<input type="checkbox"/> Mallee/Mulga	<input type="checkbox"/> Mallee/Mulga	<input type="checkbox"/> Mallee/Mulga
	<input type="checkbox"/> Rainforest	<input type="checkbox"/> Rainforest	<input type="checkbox"/> Rainforest	<input type="checkbox"/> Rainforest
	<input type="checkbox"/> Tussock	<input type="checkbox"/> Tussock	<input type="checkbox"/> Tussock	<input type="checkbox"/> Tussock
	<input type="checkbox"/> Moorland	<input type="checkbox"/> Moorland	<input type="checkbox"/> Moorland	<input type="checkbox"/> Moorland
	<input type="checkbox"/> Managed Land	<input type="checkbox"/> Managed Land	<input type="checkbox"/> Managed Land	<input type="checkbox"/> Managed Land

Step 2 Determine the distance from the building line to the vegetation in each direction as above. Refer to Chapter 4 of the *Planning for Bushfire Protection 2006 Guideline - Asset Protection Zones*

Aspect	North (m)	East (m)	South (m)	West (m)
Distance (m)	_____	_____	_____	_____

Please provide an assessment of how the development complies with the acceptable solutions, performance requirements and relevant specific objectives within Chapter 4 *Planning for Bush Fire Protection 2006*.

Step 3 The slope of the site and of any bushfire prone land within 100m of the site. Refer - Appendix 2 *Planning for Bush Fire Protection 2006*. Determine the effective slope that will influence bushfire behaviour in each direction.

Category	North	East	South	West
Slope under the hazard (over 100m) (in degrees)	<input type="checkbox"/> upslope/flat	<input type="checkbox"/> upslope/flat	<input type="checkbox"/> upslope/flat	<input type="checkbox"/> upslope/flat
	<input type="checkbox"/> >0 to 5	<input type="checkbox"/> >0 to 5	<input type="checkbox"/> >0 to 5	<input type="checkbox"/> >0 to 5
	<input type="checkbox"/> >5 to 10	<input type="checkbox"/> >5 to 10	<input type="checkbox"/> >5 to 10	<input type="checkbox"/> >5 to 10
	<input type="checkbox"/> >10 to 15	<input type="checkbox"/> >10 to 15	<input type="checkbox"/> >10 to 15	<input type="checkbox"/> >10 to 15
	<input type="checkbox"/> >15 to 18	<input type="checkbox"/> >15 to 18	<input type="checkbox"/> >15 to 18	<input type="checkbox"/> >15 to 18

Step 4 Circle the relevant FDI below. The Fire Danger Index (FDI) for Greater Taree local Government Area is 80. Refer to Table A2-3 of Appendix 2 Planning for Bush Fire Protection 2006.

FDI 100 FDI 80 FDI 50

Step 5 Match the relevant FDI, vegetation, distance and slope to determine the required APZ and Construction Level. Refer to Attachment 1 of this form.

FDI 100 FDI 80 FDI 50

Identify the bush fire attack level for each direction, select the highest level for the entire building and record below. Note BAL-12.5 is the lowest construction level within the scope of AS3959

Bush Fire Attack Level

BAL - FZ BAL - 19 BAL - 40
 BAL - 29 BAL - 12.5 No requirement

Is the building capable of complying with AS3959/2009 in relation to the construction level for bush fire protection? Refer Appendix 3 Planning for Bush Fire Protection 2006. Yes No

If the development is in BAL-Fz then the proposal is outside the scope of Planning for Bush Fire Protection 2006 and will be referred to the NSW Rural Fire Service.

Are there any features on or adjoining the site that may mitigate the impact of a bush fire on the proposed development?

Provide details of the access arrangements for the proposed development. Refer " Access (1) – Public Roads, Access (2) – Property Access, Access (3) – Fire Trails, Chapter 5, Planning for Bush Fire Protection 2006.

Provide details of the services including water (reticulated or non-reticulated), gas and electricity. Refer "Services – Water, Electricity and Gas - Chapter 4 Planning for Bush Fire Protection 2006.

Water Supply

Does your property have a reticulated (piped) water supply? If so, please provide details on the distance to the nearest fire hydrant on your site plan.

Reticulated (piped) water supply is available Yes No Distance (m) to hydrant from house _____

Do you have or do you plan to have a dedicated water supply for fire fighting purposes? Yes No

Development Type	Water Requirements	Planned	Existing
Residential Lots (<1,000m ²)	5000 l/lot		
Rural Residential Lots (1,000 – 10,000m ²)	10,000 l/lot		
Large rural/Lifestyle Lots (>10,000m ²)	20,000 l/lot		
Dual Occupancy	2,500 l/lot		
Townhouse/Unit Style (eg flats)	5,000 l/unit up to 20,000 l maximum		

Do you have or do you plan to have a static water supply (e.g. pool, tank or dam)? Include approximate size in litres and also include tank material if using a tank:

Water Supply Type Capacity	Construction Material	Planned	Existing
eg Pool 50,000 l	Above ground rolled steel with plastic liner		

Are there any other concerns / comments regarding bush fire that council may have for the development application (eg environmental impact, revegetation works etc.)?

Attachment 1

Vegetation Formation (class)	Categories of Bush Fire Attack (AS 3959 – 2009)				
	BAL - FZ	BAL - 40	BAL - 29	BAL -19	BAL – 12.5
	Distance (m) of the site from the predominant vegetation class				
All upslopes and flat land (0 degrees)					
Forests	<16	16-<21	21-<31	31-<42	42-100
Woodlands	<10	10-<14	14-<20	20-<29	29-100
Shrubland	<7	7-<9	9-<13	13-<19	19-100
Scrub	<10	10-<13	13-<19	19-<27	27-100
Mallee/Mulga	<6	6-<8	8-<12	12-<17	17-100
Rainforest	<6	6-<9	9-<13	13-<19	19-100
Downslope > 0 to 5 degrees					
Forests	<20	20-<27	27-<37	37-<50	50-100
Woodlands	<13	13-<17	17-<25	25-<35	35-100
Shrubland	<7	7-<10	10-<15	15-<22	22-100
Scrub	<11	11-<15	15-<22	22-<31	31-100
Mallee/Mulga	<7	7-<9	9-<13	13-<20	20-100
Rainforest	<8	8-<11	11-<17	20-<24	24-100
Downslope > 5 to 10 degrees					
Forests	<26	26-<33	33-<46	46-<61	61-100
Woodlands	<20	20-<26	26-<37	31-<43	43-100
Shrubland	<8	8-<11	11-<17	17-<25	25-100
Scrub	<12	12-<17	17-<24	24-<35	35-100
Mallee/Mulga	<7	7-<10	10-<15	15-<23	23-100
Rainforest	<11	11-<15	15-<22	22-<31	31-100
Downslope > 10 to 15 degrees					
Forests	<33	33-<42	42-<56	56-<73	73-100
Woodlands	<21	21-<28	28-<39	39-<53	53-100
Shrubland	<9	9-<13	13-<19	19-<28	28-100
Scrub	<14	14-<19	19-<28	28-<39	99-100
Mallee/Mulga	<8	8-<11	11-<18	18-<26	26-100
Rainforest	<14	14-<19	19-<28	28-<39	39-100
Downslope > 15 to 20 degrees					
Forests	<42	42-<52	52-<68	68-<87	87-100
Woodlands	<27	27-<35	35-<48	48-<64	64-100
Shrubland	<10	10-<15	15-<22	22-<31	31-100
Scrub	<15	15-<21	21-<31	31-<43	43-100
Mallee/Mulga	<9	9-<13	13-<20	20-<29	29-100
Rainforest	<18	18-<25	25-<36	36-<48	48-100

Note: "Forests" refers to wet sclerophyll forest, dry sclerophyll forest and plantation forest (including pine plantations)

Extract from: Application Kit - Planning for Bush Fire Protection 2006

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