BUSHFIRE ATTACK LEVEL ASSESSMENT



Stages 8 - 10 (Subdivision of Lot 101 on SP297314)
Raynbird Road, Narangba

Client Reference: 05.08.21





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REPORT AUTHOR

Alistair Hill

Director - Bushfire Risk Reducers
FPAA BPAD - Level 3 Certified Practitioner
Certification Number: BPD-PA-19034
M] 0438 994465
T] 07 46366367
F] 07 46366383
W] www.bushfire.biz

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1.0 Introduction

This report has been commissioned by Satterley, to comply with the Building Code of Australia (BCA), in respect of functional performance objectives for bushfire attack relating to residential Lots in Stages 8 - 10 of the subdivision of Lot 101 on SP297314.

Moreton Bay Regional Council (MBRC) bushfire hazard overlay mapping classifies the interface with Stage 9 as "bushfire prone area" (BPA) in terms of Section 12 of Building Regulation 2006, and based on *A new methodology for State-wide mapping of bushfire prone areas in Queensland* (CSIRO 2014) which is also used by State Government.

The designation by Council of land being "bushfire prone" invokes the Building Code of Australia (BCA), requiring compliance with its bushfire related functional performance objectives and with AS3959-2018 Construction of buildings in bushfire prone areas providing "Deemed to Satisfy" construction solutions.

The scope of this requested assessment relates solely to BAL determination for construction, and not to all the other considerations which would make up a comprehensive Bushfire Management Plan. Some of the lots covered by this Bushfire Attack Level (BAL) Assessment Report have been included in previous BAL assessments, but due to enhancements in acceptable fire modelling, improvements have been made for the situation facing those Lots. This BAL Assessment Report supercedes and previous BAL assessments undertaken.

This assessment serves to determine the Bushfire Attack Level (BAL) requirement for the proposed buildings under AS3959.

2.0 Site and Development Description

2.1 Property Description

Site ID: Subdivision of Lot 101 on SP297314.

Parish of WHITESIDE. County of STANLEY.

Current address of property: Raynbird Road, Narangba, QLD 4504.
Local Government Area: Moreton Bay Regional Council (MBRC).

Total Area: N/A

Zoning: General Residential.

2.2 Proposed Development

The proposed development involves 135 new lots created in Stages 8 - 10 of the subdivision.

2.3 Site Location and Layout

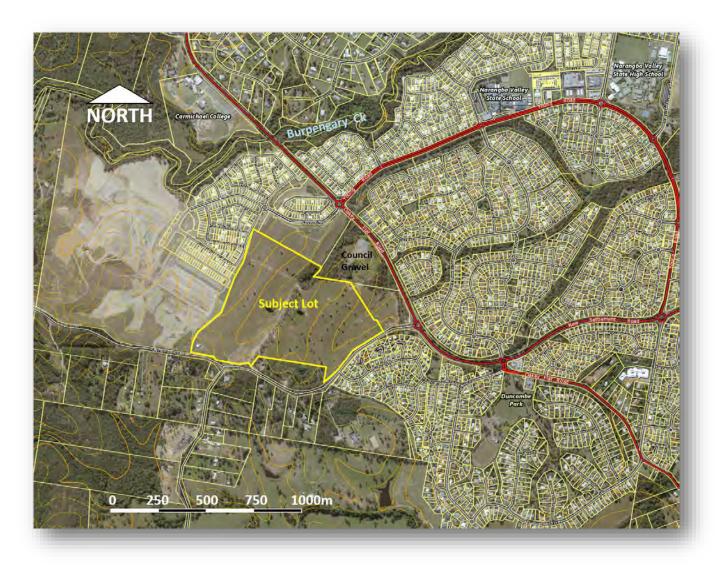


Figure 1. Broader Area showing the location of the subject lot.

The site in question is located in undulating terrain north of Raynbird Road and west of Oakey Flat Road. To the east of Stage 9 retained forest vegetation is classssified under AS3959-2018.

South east of Stage 8, rehabilitation planting of the drainage reserve represents future hazard, which this assessment takes into account.

Figure 2 shows a closer view of affected Lots in Stages 8 - 10.

The assessment uses both Method 1 and 2 under AS3959-2018 to determine the Bushfire Attack Level (BAL) for construction.



Figure 2. Lot layout showing location of the relevant Stages of development.

Figure 2 shows the four proposed Stages of development.

The site is within approximately 7km by road of the nearest Queensland Fire and Emergency Services (Burpengary Fire Station) with local Narangba Rural Fire Brigade (3km away) also potential responders, with a response time dependant on the availability of volunteers to turn out.

3.0 Bushfire Hazard Assessment

3.1 Bushfire hazard classification

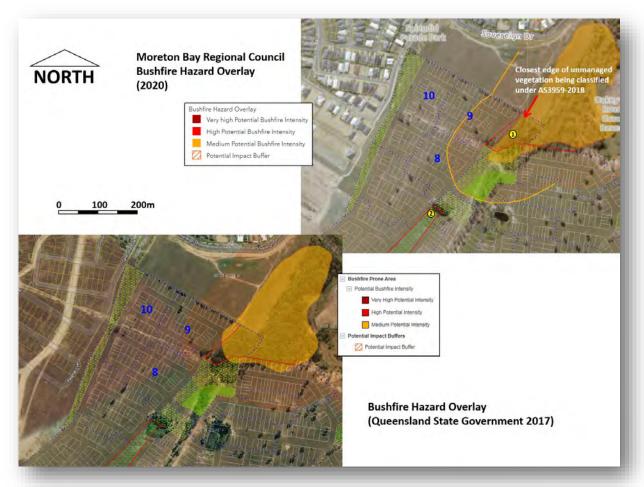


Figure 3. Council bushfire hazard mapping

"Bushfire Prone Land" is defined under Building Regulation 2006 and the BCA as an area <u>identified as such</u> <u>by Local Government</u> (in this case using a methodology outlined in *A new methodology for State-wide mapping of bushfire prone areas in Queensland* (CSIRO 2014).

Despite applying the same methodology to bushfire hazard mapping, different settings and filtering results in differences in the overlays seen in Figure 3. Neither set of mapping claims to be perfectly accurate and both are subject to ground truthing and validation by qualified and experienced bushfire practitioners.

Section 6 of the Assessment summarizes the design fire parameters and validates the BPA status of land within 100m of Fuel Areas 1 and 2 (identified in Figure 3).

The effect of this mapping is to trigger the BCA and its functional performance objectives for bushfire, with AS3959 providing "Deemed to Satisfy" building solutions.

The BCA bushfire requirements relate to Class 1, 2 and 3 buildings constructed in a "designated bushfire prone area".

This assessment compares Bushfire Attack Levels (BALs) using Methods 1 and 2 under AS3959-2018.

3.2 Vegetation Assessment, Slope and Separation Distances from Proposed Development



Figure 4. Fuel accumulation, slopes and setback. Solid arrows show most likely direction of bushfire attack.

The yellow numbered circles in Figure 4 represent potentially hazardous vegetation communities. The future edge of hazardous vegetation is taken to be the solid red line in Figure 4.

The vegetation type in terms of AS3959 is "Forest" and the effective slope beneath vegetation being classified is taken as 0° in Areas 1 and 2.

Section 6 objectively calculates and determines the potential nature and severity of bushfire attack more thoroughly. This serves as a basis for determining the construction and other bushfire protection measures outlined in this BAL Assessment.

Fuel assessments were undertaken using the Overall Fuel Hazard Assessment - DSE Victoria (Oct 2010), although the fuel values applied to fire modelling in Section 6.3 are taken from the Queensland Government (QFES) dataset, as required under AS3959-2018.

3.3 Fuel Accumulation Assessment - Vegetation Community / Area 1



Figure 5. Fuel Accumulation Assessment Area 1

Fuel hazard estimate		Assessment according to Hines et al 2010	
Date: 16 th July 2018		Area 1	
Layer	Rating	Description / Comments	Equivalent fuel load t/ha
Surface and near surface	High	Very High litter bed average 30 - 40mm with Moderate near surface fuels shaded out with time since fire, largely Lomandra <i>sp</i> , <i>Themeda sp</i> .	10
Elevated	High	Canopy recruiters and <i>Acacia spp</i> spindly with most fuel at top of layer.	2 - 3
Bark	High	Some ribbon barks (<i>E.tereticornis</i>) Some papery barks (<i>L.suavolens, M.quinquinervia</i>) with lower bark hazard species – <i>E.propinqua, E.siderophloia</i> .	2 - 3
Overall rating	High		14 - 16t/ha

Table 1. Fuel Assessment Area 1

The vegetation community present is consistent with mapped RE12.3.11, for which the State Government (Queensland Fire and Emergency Services – QFES dataset) attributes a default value of 17.2t/ha to total available fuel.

For the purpose of site specific fire modelling in Section 6, 17.2t/ha to total available fuel, of which 14.9t/ha is surface and near surface fuel, is considered reasonable and consistent with the requirements of AS3959.

3.4 Fuel Accumulation Assessment - Vegetation Community / Area 2

The Ecological Restoration Plan for the Drainage reserve intends to create a future forest vegetation community generally consistent with RE12.3.11, for which the State Government (Queensland Fire and Emergency Services – QFES dataset) attributes a default value of 17.2t/ha to total available fuel.

For the purpose of site specific fire modelling in Section 6, 17.2t/ha is applied to total available fuel, of which 14.9t/ha is surface and near surface fuel, is considered reasonable and consistent with the requirements of AS3959.

Area 2 represents RE12.3.11 on a slope that is 0° or upslope and with a 25m flame width.

4.0 Site constraints and environmental values which may limit mitigation options

The Queensland Department of Natural Resources, Mines and Energy (DNRME) shows mapped remnant vegetation of "Of Concern" RE12.3.11 abutting the subdivision. Site assessments supports this classification.

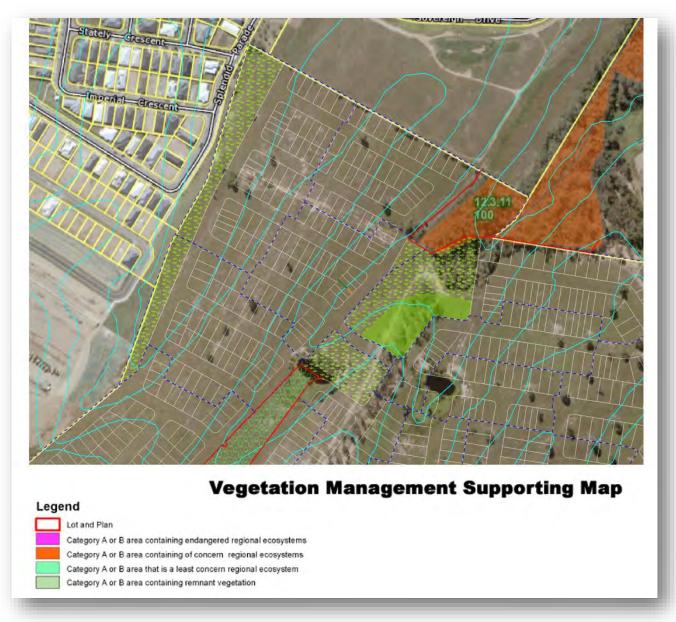


Figure 6. Regional Ecosystem Mapping

DNRME provides the following Description and recommended fire guidelines for the vegetation communities mapped.

Regional	Description	Fire Guidelines
Ecosystem		
RE 12.3.11	Open-forest to woodland of Eucalyptus	SEASON: Summer to late-autumn.
	tereticornis, E. siderophloia and Corymbia	INTENSITY: Low.

Of Concern

intermedia. Corymbia tessellaris,
Lophostemon suaveolens and Melaleuca
quinquenervia frequently occur and often
form a low tree layer. Other species present
in scattered patches or low densities
include Angophora leiocarpa, E. exserta, E.
grandis, C. trachyphloia, C. citriodora, E.
latisinensis, E. tindaliae, E. racemosa,
Melaleuca sieberi and M. viridiflora. E.
seeana may be present south of
Landsborough. Occurs on Quaternary
alluvial plains and drainage lines along
coastal lowlands. Rainfall usually exceeds
1000mm/y (BVG1M: 16c)

Major vegetation communities include: 12.3.11a: Open-forest of Eucalyptus tereticornis and/or E. siderophloia with vine forest understorey. Other canopy species include Corymbia intermedia, Araucaria cunninghamii and Agathis robusta. Frequently occurring understorey species include Flindersia spp., Lophostemon suaveolens, L. confertus, Cupaniopsis parvifolia, Acronychia spp., Alphitonia excelsa and Acacia disparrima subsp. disparrima. Occurs on sub-coastal Quaternary alluvial plains. Rainfall usually exceeds 1000mm/y. (BVG1M: 16c)

Vegetation Hazard Class (VHC) 16.1 15.9t/ha Total Available Fuel Load (State Default Value) INTERVAL: 3-6 years.

STRATEGY: Aim to burn 40-60% of any given area. Spot ignition in cooler or moister periods encourages mosaics.

ISSUES: Control of weeds is a major focus of planned burning in most areas. Maintain ground litter and fallen timber habitats by burning only with sufficient soil moisture. Burning should aim to produce fine scale mosaics of unburnt areas.

Table 2. Regional Ecosystems Descriptions and Fire Guidelines

The retained areas of forest vegetation are unlikely to be provided with managed fire, along with the temporary hazard reduction benefits this brings.

Planning is not based on any assumptions regarding hazard reduction; and has to be based on fuel levels reaching a long term maximum stable state, coinciding with ignition under worst case foreseeable fire weather conditions.

4.1 Fire History and Frequency

This study found several indicators of prior fire, dating back more than 10 years. Recurrence of fire at some time has to be regarded as possible, potentially coinciding with maximum fuel accumulation and worst case fire weather conditions.

5.0 Specific risk factors associated with the development proposal

5.1 Nature of activities anticipated on site

Normal residential activities are anticipated to occur in the area, which includes the potential inclination of juveniles and others to make temporary "camps" in bushland, and others to undertake acts of deliberate arson. The number of fire incidents expected by QFES varies in direct proportion to the numbers of people present. The proposed development makes a considerable addition to the number of people living in the area and potentially exposed to unplanned fire and its effects.

No storage or handling of hazardous materials in bulk is envisaged.

5.2 Numbers of people likely to be present

Many more people can be expected to be present in the area depending on the time of day and day of the week; however the limited extent of retained hazard and the bushfire protection measures required reduce risk to an acceptable level.

6.0 Nature and Severity of Potential Bushfire Attack

6.1 Bushfire season and Fire Weather

The "typical fire season" in this area peaks between September and November. The predominant winds in the area are south easterly, however during the fire season, hot gusty westerlies of over 30 kph can be expected, with Relative Humidity falling to 10% and less. Temperatures on these days can climb over 35°C, and for two or three days a year, fire weather conditions equivalent to FDI levels of around 60 can be anticipated. (Note that this is in contrast to the value of 40 which is being used in the recently revised AS3959 - 2018).

A new methodology for State-wide mapping of bushfire prone areas in Queensland (CSIRO, 2014) defines new regional FDI values for planning purposes, as shown in Figure 7 below, attributing an FDI value of 60 to the area in question.

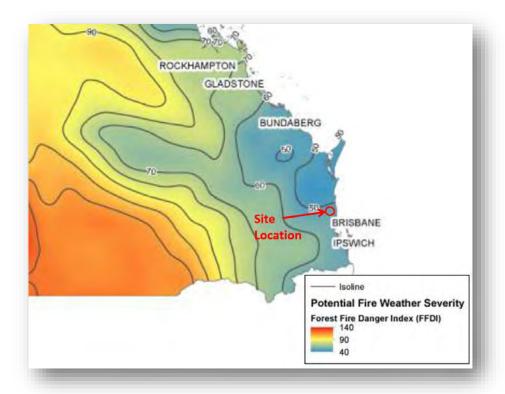


Figure 7. State based indications of a revision of "worst case" FDI values to FDI 60 for the area involved. A FDI value of 55 is currently accepted for the greater Brisbane area.

6.2 Anticipated direction of bushfire attack

Worst fire weather conditions are anticipated from the west through northwest to north, associated with the direction of traditionally worst case fire weather conditions. Stages 8 - 10 would expect attack from the east or south, generally not aligned with the direction of worst case fire weather.

Anticipated directions of attack are reflected in Figure 4.

Bushfire attack comes in a number of forms: direct flame, radiant heat, embers, smoke and wind. Research shows that over 80% of houses lost to bushfire in Australia can be attributed to ember attack, within 100m of bushland. The proposed buildings would be expected to face some radiant heat along with minor ember attack.

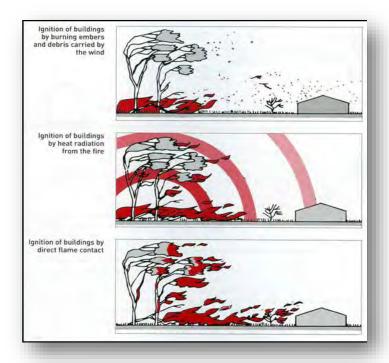


Figure 8. Main Bushfire Attack mechanisms (Image courtesy of Ramsay & Rudolf 2003)

6.3 Anticipated severity of bushfire attack

Values for vegetation type, fuel load and slope are carried forward to Table 3 to predict the key fire parameters for the potential worst case fire scenarios.

Fire Scenario – Area 1 Method 2 AS3959 FDI 55 Forest @ 14.9/17.2t/ha. Effective Slope under vegetation 0°	Fire Scenario – Area 2 Method 2 AS3959 FDI 55 Forest @ 14.9/17.2t/ha. Effective Slope under vegetation 0°	Fire Scenario – Areas 1 and 2 Method 1 AS3959 FDI 40 Forest Effective Slope under vegetation 0° and Upslope
Fire Intensity (Byram, 1959) 8 739kW/m ("MEDIUM")	Fire Intensity (Byram, 1959) 8 739kW/m ("MEDIUM")	
Rate of Spread (Noble et al, 1980) 0.98kph	Rate of Spread (Noble et al, 1980) 0.98kph	
Flame Height (modified Mc Arthur V equation, NSW RFS 2001) 8.46m	Flame Height (modified Mc Arthur V equation, NSW RFS 2001) 8.46m	
Flame Width 100m	Flame Width 25m	
Elevation of Receiver 2.4m	Elevation of Receiver 2.4m	
BAL FZ within <8m of intact unmanaged vegetation BAL 40 from 8 - <10m BAL 29 from 10 - <15m BAL 19 from 15 - <21m BAL 12.5 from 21 - 100m	BAL FZ within <7m of intact unmanaged vegetation BAL 40 from 7 - <10m BAL 29 from 10 - <13m BAL 19 from 13 - <17m BAL 12.5 from 17 – 100m	BAL FZ within <10m of intact unmanaged vegetation BAL 40 from 10 - <13m BAL 29 from 13 - <20m BAL 19 from 20 - <28m BAL 12.5 from 28 - 100m

Table 3. Calculated values for potential bushfire characteristics, and methods used.

Projected fireline intensity in terms of latest State bushfire hazard assessment methodology is "Medium" as indicated in Council and State bushfire hazard mapping. This validates the BPA status of interfaces with Areas 1 and 2.

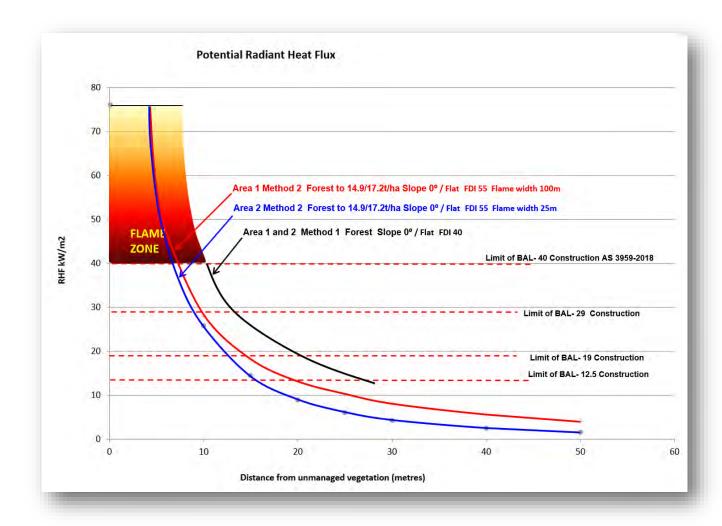


Figure 9. Radiant Heat Flux Predicted by Methods 1 and 2 under AS3959 - 2018.

Table 3 and Figure 9 show the tradeoff between BAL rating faces of dwellings and the setback that is constructed and maintained as Asset Protection Zone for affected Lots.

Shielded faces of the dwelling may be constructed to one BAL level lower, under AS3959-2018.

Table 4 below shows the significance of various levels of radiant heat flux.

Radiant Heat Flux (kW/m²)	Likely Effects
> 40 - 110	Flame Zone. Even the strongest toughened glass fails.
	Latest technology in toughened glass may survive. Most will not. Timber ignites without pilot flame. Limi
29 - 40	of BAL-40 Construction AS3959 - 2009.
	Ignition of timbers without piloted ignition (3 minutes exposure) during the passage of a bushfire. Most
29	types of toughened glass could fail. Limit of BAL-29 Construction AS3959 - 2009.
	Screened float glass could fail during the passage of a bushfire.Limit of BAL-19 Construction AS3959 -
19	2009.
	Standard float glass could fail during the passage of a bushfire. Limit of BAL-12.5 Construction AS3959 -
12.5	2009. Some timbers can ignite with prolonged exposure and with pilot ignition sources (eg embers)
	Critical conditions. Firefighters not expected to operate in these conditions. Considered life threatening
	under a minute in protective equipment. Fabrics inside a building could ignite spontaneously with long
10	exposures.
7	Likely fatal to unprotected persons after exposure of several minutes.
4.7	Extreme conditions. Firefighter in protective clothing will feel pain after 60 seconds exposure.
3	Hazardous conditions. Firefighters expected to operate for a short period (10 minutes).
2.1	Unprotected person will feel pain after 1 minute exposure - non fatal.

Table 4. Significance of various RHF levels (Source: NSW RFS, 2006)

7.0 Bushfire Protection Measures in Combination

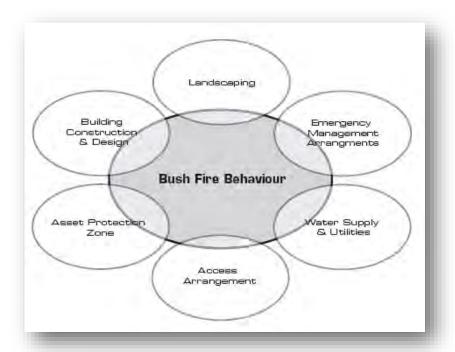


Figure 10. Bushfire Planning Measures in Combination (Source: NSW RFS, 2006)

Figure 10, taken from *Planning for Bushfire Protection* (NSW Rural Fire Service, 2006) illustrates that there are other factors and measures which need to be integrated to mutually support one another to provide protection against bushfire.

Simply removing the hazard is one possible way of removing risk to life and property, but this approach is not desirable. The safety of life and property can be achieved whilst retaining the natural amenity and value of bushland areas, provided these integrated bushfire protection measures are applied.

7.1 Building Construction and Design

Figure 11 show the BAL contours for the site, and based on the final location of dwelling footprints, determines the minimum BAL rating for construction under AS3959-2018.



Figure 11. BAL contours for Stages 8 - 10.

7.2 Asset Protection Zones and Landscaping

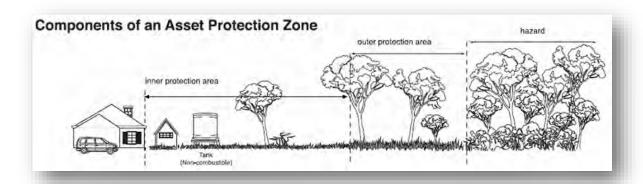


Figure 12. Components of an Asset Protection Zone (APZ)

Asset protection zones provide the most strategically valuable defense against radiant heat and flame, and to a lesser extent embers. As shown in Figure 9, the relationship between radiant heat level and distance is not linear, and great reductions in radiant heat exposure can be gained with separation distance from unmanaged fuels.

The function of the Inner Protection Area (IPA) is to distance the Asset from Flame and Radiant Heat. The Outer Protection Area (OPA) separates ground fuels from canopy fuels, causing canopy fires to collapse and become ground fires.

The IPA should be maintained as free as possible of available fuel, through short mowing of grass and removal of fine flammable debris. Plants retained in or introduced into the IPA should be selected based on low combustibility, by virtue of high moisture content, low volatile oil content, high leaf mineral levels, large fleshy leaves, absence of shedding bark. Plant arrangement is just as important as low combustibility. Plants should be placed so as to not provide either vertical or horizontal connectedness of plant material. Appendix 1 provides examples of less hazardous plant species. Combustible vegetation shall not be allowed to come into contact with combustible parts of buildings. Trees shall not be allowed to directly overhang roof lines.

In this case the APZ on each Lot affected under AS3959 (identified in Figure 11) is to be entirely constructed and maintained as IPA.

The bio detention basins shall be managed in a low hazard state, with a predominantly mown surface, similar to Figure 13.



Figure 13. Detention basins to be managed in a low hazard state.

8.0 Recommendations

- 1. The minimum construction level under AS3959 should be determined by Table 3 and Figure 11 of this report.
 - Any structure built within 6m of residential buildings will also need to be constructed in accordance with this Standard. Builders shall warrant that they have a copy of this Standard, and that it shall be used consistently throughout the design and construction of any residential building.
- 2. The unbuilt portion of all Lots affected under AS3959, and identified in Figures 11, shall be managed as Inner Protection Area.
- 3. Residents should give consideration to their preparedness for fire (beyond the scope of this BAL Assessment) in terms of their emergency response plan, guidance for which is available upon request, or from material published and made available by Queensland Fire and Rescue Service.

9.0 **Summary**

The identification of the area as "bushfire prone" by Council, invokes the application of the BCA, which calls up AS3959 as the relevant building standard for new dwellings and associated Class10a structures.

This report supersedes any existing BMP or BAL assessment in as far as prescribed BAL ratings is concerned.

10.0 References

ABCB (2016), Building Code of Australia / National Construction Code, Australian Building Codes Board, Canberra.

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Standards Australia (2009), AS 3959 – 2009, Construction of buildings in bushfire-prone areas, Sydney, NSW. (including Amendment 1).

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Vegetation Management Act (1999), Queensland Government, Queensland.

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Appendix 1

Less combustible native plants list

Source: Bowden, J (1999)

Fire Retardant Native Plants

Form: S = Shrub; T = Tree; V = Vine; H = Herb; Gc = Ground cover; eO = epyphytic Orchid; eF = epyphytic Fern; tF = terrestrial Fern. Fire-retardance: Lm = due to leaf water contents; St = due to salt content; Sl = succulent leaves

Comments: Wb = suitable for windbreak/fire barrier; Ad = suitable as addition to windbreak/fire barrier but man Sa = suitable for sheltered areas near house; Pf = suitable if protected from direct flames; De = Deciduoun in as main species; Us = suitable for understory of windbreak/fire barrier; Oa = suitable for open areas near house winter, in flower or in dry periods

(-) = may not occur naturally in Pine Rivers Valley but has not proved invasive.

Fire-Retardant Plants for Small Gardens

Scientific Name	Common Name	Form	Fire Retardance	Comments
GYMNOSPERMS				
Zamaceae Lepidozamia peroffskyana	Shining Burrawang	S	Ē	Us Sa
	Pineapple Zamia	S	Lm	Us Sa
Macrozamia miquelii	Wild Pineapple	S	Lm	Us Oa Sa
Agavaceae				
Cordyline petiolaris	Broad-leaf Palm Lily	S	Lm	Us Sa
Cordyline rubra	Red-fruit Palm Lily	S	Lm	Us Sa
Cordyline strica	Slender Palm Lily	S	Lm	Us Sa
Amaryllidaceae	;	:	ŧ	(
Crinum pedunculatum	RiverLily	H	Lm SI	Us Oa Sa
Doryanthes palmeri (-)	Spear Lily	Н	Im SI	Us Oa Sa
Proiphys cunninghamii	Brisbane Lily	Н	Lm SI	Us Sa
Araceae				
Alocasia brisbanensis	Cunjevoi	Н	Im	Us Sa
Gymnostachys anceps	Settlers Flax	Н	Im	Us Sa
Pothos longipes	Pothos	>	Im	Us Sa
Typhonium brownii	Stinking Lily	Н	TI.	Us Sa
Arecaceae				
Linospadix monostachya	Walking Stick Palm	Ь	Im	Us Sa

				00110010101	
trimetium Aneilema H Gc Im Observers Scurvy Plant H Gc Im Observers Scurvy Plant H Gc Im Observers Applied Large Snake Weed H Gc Im Observers Native Yam V Im Observers Native Yam V Im Observers Blue Plax Lily H Im Observers Bridge Corbid eO Im Pencil Orchid eO Im Pe	Commelinaceae				
annea Scurvy Plant H Gc Im Us Scurvy Plant H Gc Im Us Snake Weed H Gc Im Us Snake Flax Lily H Im Us Us Snake Flax Lily H Im Us Us Snake Hax Lily H Im Us Us Snake Hax Lily H Im Us Us Snake Hax Lily H Im Us Snake Hax Lily H Im Us Snake Hax Lily H Im Us Snake Hax Lily V Im Spider Orchid GO Im Pencil Orchid GO Im Pencil Orchid GO Im Snake Hax Bridal Veil Orchid GO Im Spider Orchid GO Im Spider Orchid GO Im Spider Orchid GO Im Snake H Im Im Spider Orchid Go Im Im Spider Mark Nash H Im Im Im Spider Orchid Go Im Im Spider Orchid Go Im Im Spider Mark Nash H Im Im Im Spider Orchid Go Im Im Spider Orchid Go Im	Aneilema acuminatum	Aneilema	H		
anea Scuryphan H C Im Us Snake Weed H Gc Im Us a (-) Bulbine Lily H Im Us bea Blue Flax Lily H Im Us and Flax Lily H Im Us and Plax Lily H Im Us acilicaule Spotted Orchid eO Im boeninim Pencil Orchid eO Im cotophyllum Lily of the Valley eO Im bea Spotted Orchid eO Im cotophyllum Spider Orchid eO Im cotophyllum Lily of the Valley cotophyllum Lily H Im cotophyllum Lily of the Valley cotophyllum Lily H Im cotophyllum Lily of the Valley cotophyllum Lily H Im cotophyllum Lily of the Valley cotophyllum Lily H Im cotophyllum Lily of the Valley cotophyllum Lily H Im	Aneilema biflorum (-)	Aneilema	30 11		
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Vine Vine Us Sa Wax Flower V Im Us Sa Slender Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Sa New sp. Pine R V Im Us Oa Bower of Beauty V Im Us Oa Silver Cassia S Oa Forest Lobelia H Gc Im Us Oa Bluebells H Gc Im Us Oa Silver Caper S/T Im Us Sa Scrambling Caper V Im Us Sa	stolochia sp. aff. pubera	Pipe Vine	>	Lm	Us Sa
Wax Flower V Im Us Sa Slender Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Sa Bower of Beauty V Im Us Oa Bower of Beauty V Im Us Oa Bluebells H Gc Im Us Oa Bluebells H Gc Im Us Oa Scrambling Caper V Im Us Sa	stolochia praevenosa	Kichmond Birdwing	Λ	-	TI Go
Wax Flower V Im Us Sa Slender Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Sa Thin-leaf Tylophora V Im Us Oa Bower of Beauty V Im Us Oa Bower of Beauty V Im Us Oa Forest Lobelia H Gc Im Us Oa Bluebells H Gc Im Us Oa Sa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa		VIIIC			Us 3d
Wax Flower V Im Us Sa Slender Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Sa Thin-leaf Tylophora V Im Us Oa Bower of Beauty V Im Us Oa Bower of Beauty V Im Us Oa Bluebells H Gc Im Us Oa Bluebells H Gc Im Us Oa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa	lepiadaceae				
Slender Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Oa Subower of Beauty V Im Us Oa Bower of Beauty V Im Us Oa Forest Lobelia S Oa Bluebells H Gc Im Us Oa Bluebells H Gc Im Us Oa Subort Caper S/T Im Us Sa Scrambling Caper V Im Us Sa	va australis	Wax Flower	>	[m	
Corky Milk Vine V Im Us Sa Thin-leaf Tylophora V Im Us Sa New sp. Pine R V Im Us Oa Bower of Beauty V Im Us Oa C.) Silver Cassia S Oa Forest Lobelia H Gc Im Us Oa Bluebells H G Im Us Oa Sa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa	rsdenia longiloba	Slender Milk Vine	>	T _m	
r Thin-leaf Tylophora V Im Us Sa New sp. Pine R V Im Us Oa Bower of Beauty V Im Us Oa C.) Silver Cassia S Oa Forest Lobelia H Gc Im Us Oa Bluebells H C Im Us Oa Native Caper S/T Im Us Sa Scrambling Caper V Im Us Sa	amone elliptica	Corky Milk Vine	>	Γm	
Silver Cassia S Im Us Oa Silver Cassia S Ca Bluebells H Gc Im Oa Bluebells H Gc Im Oa Sa Scrambling Caper V Im Us Sa	pphora paniculata	Thin-leaf Tylophora	>	Lm	
Silver Cassia S Im Us Oa Bower of Beauty V Im Us Oa Ca Bower of Beauty V Im Us Oa Cassia S Interclassia S Cassia H Gc Im Us Oa Bluebells H Oa Da Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa Scrambling Caper V Im Us Sa	noniaceae				
s Bower of Beauty V Im Us Oa (-) Silver Cassia S Oa Forest Lobelia H Gc Im Us Oa Bluebells H C Im Oa Bluebells H Us Oa Sa Scrambling Caper V Im Us Sa	idorea floribunda	New sp. Pine R	>	Im	Us Oa Sa
(-) Silver Cassia S Forest Lobelia H Gc Im Bluebells H Native Caper S/T Im Scrambling Caper V Im	dorea jasminoides	Bower of Beauty	>	E.	Us Oa Sa
Forest Lobelia H Gc Lm Bluebells H Native Caper S/T Lm Scrambling Caper V Lm	salpineaceae sia artemisioides (-)	Silver Cassia	S		O
Forest Lobelia H Gc Lm Bluebells H Native Caper S/T Lm Scrambling Caper V Lm	npanulaceae				
8 Bluebells H Native Caper S/T Lm Scrambling Caper V Lm	elia trigonocaulis	Forest Lobelia	H Gc	Lm	Us Oa
Native Caper S/T Lm Scrambling Caper V Lm	lenbergia gracilis	Bluebells	Н		Oa
Native Caper S/T Lm Scrambling Caper V Lm	paraceae				
Scrambling Caper V Lm Us	parus arborea	Native Caper	S/T	Lm	Us Sa
	paris sarmentosa	Scrambling Caper	>	Lm	Us Sa

Celastraceae				
A STATE OF THE STA				
Cassine australis	Red Olive Berry	S/T	II.	Us. Sa
Denhamia celastroides	Orange Boxwood	ST	Į.	
Denhamia pittosporoides	Orange Boxwood	T/S	Im.	
Maytenus bilocularis	Orangebark	S/T	Lm	Us Sa
Chenopodiaceae				
Einadia hastata	Berry Salt Bush	S Gc	St	Oa
Enchylaena tomentosa	Ruby Salt Bush	S Gc	StS	r C
Halosarcia indica	Samphire	S Gc	StSI	Oa Salty coil
Sarcocornia quinqueflora	Samphire	S Gc		Oa Salty soil
Suaeda australis	Seablite	S Gc		Oa Salty soil
Suaeda arbusculoides	Jellybean Plant	S Gc		Oa Salty soil
Convolulaceae				
Convolulus erubescens	Australian Bindweed	^	Im	Š
Dichondra repens	Kidnev Weed	H	I I	IIe Co
Polymeria calycina	Swamp Bindweed	>	Im	
Cunoniaceae				
Aphanopetalum resinosum	Gum Vine	V Gc	Im	Hs Sa
Vesselowskya rubifolia (-)	Southern Marara	S/T	E.	Us Sa
Davidsoniaceae				
Davidsonia pruriens (-)	Davidson's Plum	T	Im	Us Sa
Dilleniaceae				
Hibbertia aspera	Rough Guinea Flower	v	<u>m</u>	č
Hibbertia dentata	Toothed Guinea Flower	2 >	I I	T S
	Showy Guinea Flower	> 0	I .	Os Oa Sa
	Hoary Guinea Flower	טנ	<u> </u>	5 6
	Erect Guinea Flower	2 0	<u>.</u>	కో ద
Hibbertia scandens	Twining Guinea Flower	>	II.	Us Oa Sa
Elaeocarpaceae				
Elaeocarpus reticulatus	Blueberry Ash	S/T	Lm	Us Oa Sa
Epacridaceae				
Trochocarpa laurina	Tree Heath	S/T	Lm	Us Sa
Escalloniaceae				
Abrophyllum ornans	Native Hydrangea	S	Lm	Us Sa
Polyosma cunninghamii	Featherwood	S/T	Im	Us Sa
Euphorbiaceae				
Acalypha capillipes	Small-leaf Acalypha	S	Im	Ils Sa
	Native Acalvpha	S		
	Southern Acalymba	0	<u> </u>	
	Actenhila	2 0		
Alchornea ilicifolia	Native Holly	1/0		Us Sa
Brewnia oblonaifolia	Notice Coffee Beat	2 0	5.	

Scientific Name	Common Name	Form	Fire Retardance	Comments
Lythraceae Lagerstroemia archeriana (-) Native Crepe Myrtle	Native Crepe Myrtle	S/T	m.	Us Oa Sa De
Malvaceae	Pavonia	v	E .	ć
Hibiscus heterophyllus	Native Rosella	5	II II	Us Sa
Hibiscus geranioides (-)		S S	Į,	
Wolechmonogo				
Melastoma affine	Pink Lasiandra	S	Lm	Us Sa Oa
Meliaceae				
Turraea pubescens (brownii) Native Witch-Hazel	i) Native Witch-Hazel	S/T	Lm	Us Sa
Menispermaceae				
Pleogyne australis	Pleogyne	>	Lm	Us Sa
Mimosaceae				
Acacia complanata	Flat-stem Wattle	S		Oa Pf
Acacia hubbardiana	Yellow Prickly Moses	S		Oa Pf
	Blue Skin	S		Oa Pf
	Myrtle Wattle	S		Oa Pf
	Sweet Wattle	S		Oa Pf
	Prickly Moses	S		Oa Pf
Archidendron lovelliae (-)	Baconwood	S/T	Im	Us Sa
Monimiaceae				
Wilkiea huegeliana	Tetra Beech	S/T	Lm	Us Sa
Wilkiea macrophylla	Large-leaf Wilkiea	S/T	Im	Us Sa
Myoporaceae				
	Winter Apple	S Gc	Lm	Os
Myoporum bonnense	:	1		
(M. ellipticum) Myonorum montanum	Boobialla Memerin Deckielle	S Gc	H I	Os
a yoporam momanam	Modificant Doobtana	0	5	Š
	Milky Mangrove	S/T	Lm St	
Kapanea howithana	Scrub Muttonwood	S/T	Fm	
Kapanea subsessilis	Red Muttonwood	S/T	Fm	Us Sa
Myrtaceae				
Archirhodomyrtus beckleri (-) Rose Myrtle	Rose Myrtle	S	Lm	
	-)Sweet Myrtle	Н	Lm	Us Sa
Austromyrtus hillii	Scaly Myrtle	S/T	Lm	
Austromyrtus inophloia	Thread-bark Myrtle	S/T	Lm	Us Sa
Austromyrtus aff. lasioclada (-)Velvet Myrtle	Velvet Myrtle	T	Im	
		S	Lm	
Pilidiostigma glabrum (-)	Plum Myrtle	S	F	Us Sa
Pilidiostigma rhytisperma	Small-leaf Plum Myrtle	S	Im	Us Sa
, , , , , , , , , , , , , , , , , , ,	Cooloola Ironwood	D	Tool	

- FIRE RETARDANT NATIVE PLANTS 257

Scientific Name	Common Name	1110	inc inclainance	
Phodamia dunicala	Pib fruit Malletwood	Fo	<u>8</u>	TIe Ca
Anodamnia aumicola	NID-II IN INI INCOM		II	
Khodamnia maidenii (-)	Smooth Scrub Turpentine		m m	
Rhodomyrtus psidioides	Native Guava	S	Im	Us Sa
Cyzyaium milsoni (-)	Powder-puffT illy Pilly	V	<u>m</u>	
Orgenia wisom (-)	tower part card tany	2		
Nyctaginaceae				
Pisonia aculeata	Native Bougainvillia	>	Im	Us Sa
Oleaceae				
Jasminum simplicifolium	Slender Jasmine	>	Lm	Us Sa
Notelaea ovata	Netted Mock Olive	S	Lm	Us Sa
	Veined Mock Olive	S	Im	Us Sa
Passifloraceae				
Passiflora aurantia	Red Passion Flower	>	I,m	Us Oa Sa
Passiflora herbertiana	Yellow Passion Flower	>	Lm	Oa
Peperomiaceae				
Peperomia blanda				
(leptostachya)	Native Peperomia	Н	Im	Us Sa
Peperomia tetraphylla	Native Peperomia	Н	Lm	
Pittosnoraceae				
Citriobatus linearis	Black-fruit Thornbush	S	Lm	Us Sa
Citriobatus paucifloris	Orange Thornbush	S	Im	Us Sa
Pittosporum revolutum	Brisbane Laurel	S	Im	Us/Wb Sa/On
Proteaceae				
Banksia oblongifolia	Dwarf Banksia	S		Oa Pf
Banksia robur	Swamp Banksia	S		Oa Pf
Grevillea leiophylla	Wallum Grevillea	S		Oa Pf
Grevillea 'Robyn Gordon'	G. 'Robyn Gordon'	S		Oa Pf
Grevillea sericea	Pink Spider Flower	S		Oa Pf
Grevillea 'Shirley Howie'	G. 'Shirley Howie'	S		Oa Pf
Grevillea 'Superb'	G. 'Superb'	S		Oa Pf
Hakea florulenta	Hakea	S		Oa Pf
Hakea purpurea	Purple Hakea	S		Oa Pf
Lambertia formosa (-)	Mountain Devil	S		Oa Pf
Lomatia silaifolia	Crinkle Bush	S		Oa Pf
Stenocarpus angusifolia (-)		S		Oa Pf
Bruguiera gymnorrhiza	Orange Mangrove	S/T	Lm St	Oa Coastal
Ceriops tagal	Yellow Mangrove	S/T	Lm St	Oa Coastal
Rhizophora stylosa	Stilted Mangrove	S/T	Lm St	Oa Coastal
Rosaceae				
Rubus parvifolia	Pink Raspberry	S	Im	Oa
Rubus rosifolius	Native Raspberry	S	Im	Us Sa
Canthium coprosmoides	Coast Canthium	S/T	Im	Us Oa Sa
				20000

Canthium microphyllum	Small-leaf Canthium	S	Ľ	Us Sa
Ixora bleckleri	Brown Coffeewood	S/T	Im	
Morinda acutifolia	Veiny Morinda	>	I III	
Morinda jasminoides	Sweet Morinda	>	II.	
Pavetta australiensis	Pavetta	S	Lm	
Psychotria daphnoides	Smooth Psychotria	S	Im	
Psychotria loniceroides	Hairy Psychotria	S	Im	Us Sa
Psychotria simmondsiana	Small Psychotria	S	Im	Us Sa
Randia benthamiana	Native Gardenia	S	Im	Us Sa
Randia chartacea	Narrow-leaf Gardenia	S	Lm	
Rutaceae				
Clausena brevistyla (-)	Clausena	V.	Ţ,	CS SII
Microcitrus australasica (-)		0	Į,	
Murraya ovatifoliolata (-)		77.	1 1	
Phebalium woombye (-)	Phebalium	S	P.I	
Sambucaceae				
Sambucus australasica	Yellow Elderberry	S	Lm	Us Sa
Sapindaceae				
Alectryon coriaceus (-)	Beach Bird's Eve	ST	Im	Wh Oa
Arytera microphylla (-)	Dwarf Coogara	· v	l L	Ile Sa
Cupaniopsis newmanii (-)	Long-leaf Tuckeroo	-	I II	IIs Sa Oa
Cupaniopsis serrata	Rusty Tuckeroo	S/T	Į "	IIs Sa Oa
wadsworthii	(-) Dwarf Tuckeroo	S	Į.	Us Sa
Harpullia alata (-)	Wing-leaf Tulip	S	Im	Us Sa
Mischocarpus sundaicus	Red Pear-fruit	L	Im	
Sapotaceae Planchonella myrsinoides	Yellow Plumwood	S/T	<u> </u>	S S
Scrophulariaceae Artenema fimbriatum	Koala bells	Н	Lm	Oa
Tetragoniaceae Tetragonia tetragonioides	Native Spinach	H Gc	St Sc	Oa
Solanaceae				
	Corkwood	S/T	Lm	Us Sa
Solanum aviculare	Kangaroo Apple	S	Lm	Us Sa Oa
Solanum densevestitum (-)	Furry Nightshade	S	Im	Us Sa
Solanum stelligerum (-)	Star Nightshade	S	Im	Us Sa
Brachychiton bidwillii	Little Kurrajong	S	Im	Us Sa Oa
Commersonia fraserii	Scrub Kurrajong	S	Lm	Us Sa Oa
Symplocaceae				
Symplocus baeuerlenn (-)	Shrubby Hazelwood	S	Lm	Us Sa

Us Oa Sa

Us Sa

PP

Slender Rice Flower

Tie Bush

Vikstroemia indica

Scrub Daphne

Phaleria clerodendron (-)

Phaleria chermsideana

Pimelea linifolia

Oa

Sa

Comments

Fire Retardance

Form

Common Name

Scientific Name Thymeliaceae Sa

ns

Tasmannia insipida

Winteraceae

Asplenium australasicum Asplenium attenuatum

Todea barbara Osmondaceae

Basket Fern Staghorn Elkhorn Platycerium bifurcatum Platycerium superbum Phymatodes scandens Drynaria rigidula Polypodiaceae

RRRRR S/T H Gc S Gc S/T/S

Us Sa Us Oa Sa Us Oa Sa Oa

Condamine Couch

Hairy Lolly Bush

Clerodendrum tomentosum Clerodendrum floribundum

Phyla nodiflora (-)

Vitex ovata (-)

Lolly Bush

Velvet-leaf

Callicarpa pedunculata

Verbenaceae

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ΗН

Purple Violet Native Violet

Viola betonicifolia

Violaceae

Viola hederacea

Us Sa Us Oa Sa

Us Sa Us Oa Sa

PPP

Small-leaf Water Vine

Soft Water Vine

Slender Grape

Cayratia clematidea

Cayratia acris

Vitaceae

Cayratia eurynema

Cissus opaca

Hairy Water Vine

Pepper Bush

F eF A Spleenwort Crow's Nest Fern

Sa

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King Fern

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Į.

Scented Climbing Fern Pyrrosia confluens

Rock Felt Fern

Pyrrosia rupestris

RERRER EF EF er er er

Sa Sa Sa Sa

Tecomanthe hillii (-) Dilleniaceae

Fire-Retardant Plants for Medium Gardens

The following plants can be used in addition to the list of plants for small gardens.

Comments

Scientific Name	Common Name	Form	Fire Retardance
MONOCOTYLEDONS			

卫卫卫 4 4 Lawyer Cane Vine Picabeen Palm Calamus muelleri Archontophoenix cunninghamii

Cabbage Palm

Livistona australis

Us Sa Us Sa Us Sa

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H S/T

Rainforest Spinach Small Soft Nettle

Elatostema stipitatum (-)

Pipturus argenteus

Elatostema reticulatum

Urticaceae

Native Mulberry

Arecaceae

Us Sa

Lm

Corchorus

Corchorus cunninghamii

PA Ad

己己 >> Small Supplejack Barb-wire Vine Smilacaceae

Sa Sa Oa

Us

E

Turnipwood

Akania lucens

Ns Ns Us

Us Sa Sa

Ripogonum fawcettianum DICOTYLEDONS Smilax australis

Akaniaceae

Muskwood Alangium villosum polyosmoides Alangiaceae

FH F Muskwood Alangium villosum tomentosum Annonaceae

F 已已已 Canary Beech Quinine Tree Apocynaceae

Polyalthia nitidissima

>> Southern Melodinus Merangarra Melodinus acutiflorus Melodinus australis Alstonia constricta

Cephalaralia cephalobotrys Climbing Panax

E > Crown of Gold Tree Wonga Vine Pandorea pandorana Barklya syringifolia Caesalpiniaceae Bignoniaceae

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Ξ

是是 E T S/T S/T Velvet Bean White Alder Callicoma serratifolia (-) Cassia tomentella (-) Cunoniaceae

> Fraser Island Climber

realis Black Plum T Im seca (-) Red-fruited Ebony T Im secyanus (-) Queensland Laurel T Im redecyanus (-) Queensland Laurel T Im redecyanus (-) Queensland Laurel T Im serilio Barithewood Cascarilla S/T Im serilio Baris Wing Coral Tree T Im divilli Yellow Laurel T Im serilio Baris Wing Coral Tree T Im serilio Baris Wing T Im can carpa Hickory Wattle T Im aga system Blackwood T Im aga system Blackwood T Im aga n pruincsum Snowwood T Im A Sandpaper Fig T Im A Sandpaper Fig T Im nianus nianus					
ted by the contract of the con	Ebenaceae				
eminata Scaly Boony T Im abacea (-) Red-fruited Ebony T Im acleayanus (-) Queensland Laurel T Im itidissima Canary Beech T Im onychioides Thick-leaved Croton SyT Im onychioides Thick-leaved Croton SyT Im onychioides Thick-leaved Cascarilla SyT Im onychioides Thick-lear Laurel T Im peratific Bat's Wing Coral Tree T Im sperilic Bat's Wing Coral Tree T Im meisneriona Thick-leaf Laurel T Im meisneriona Thick-leaf Laurel T Im meisneriona Bat's Wing Coral Tree T Im meisneriona Thick-leaf Laurel T Im meisneriona Thick-leaf Laurel T Im actern printervis var. Hairy Brown Laurel T Im carens Native Witch-Hazel T Im scentes Crow's Apple T Im scentes Crow's Apple T Im cocarpa Hickory Wattle T Im may a Light Wood T Im may a Sandpaper Fig T Im da A Sandpaper Fig T Im ta A Sandpaper Fi		Black Plum	L	Im	Us/Wb
spacea (-) Red-fruited Boony T Im indiasima Canary Beech T Im indiasima Nick-leaved Croton S/T Im indiasima White Croton T Im indianiam White Croton T Im indianiam Carearilla S/T Im indianiam Nick-leaf Laurel T Im indianiam Scentless Rosewood S/T Im indiasim Scentless Rosewood T Im indiasim Scentless Rosewood T Im indiasim Native Witch-Hazel T Im indiasim Scentless Rosewood T Im indiasim Native Witch-Hazel T Im indiasim Native Witch-Hazel T Im indiasim Native Mitch-Hazel T Im indiasim Native Mitch-Hazel T Im indiasim Native Mitch-Hazel T Im indiasim Native india Croek Sandpaper Fig T Im india india A Sandpaper Fig T Im india		Scalv Fhony	E	Im	11s/Wh
netactogranus (-) Queensland Laurel T Im itidissima Canary Beech T Im indissima Canary Beech T Im aris Queensland Cascarilla SyT Im aris Queensland Cascarilla SyT Im aris White Croton T Im welverilio Bat's Wing Coral Tree T Im ineisneriana Thick-leaf Laurel T Im ineisneriana Brown Laurel T Im ineisneriana Brown Laurel T Im iriplinervis War. Hairy Brown Laurel T Im iriplinervis Bacwn Laurel T Im iriplinervis Wartel T Im iriplinervis W	Diospyros mabacea (-)	Red-fruited Ebony		見	Us
actecyanus (-) Queensland Laurel T Im itidissima Canary Beech T Im itidissima Canary Beech T Im onychicides Thick-leaved Croton SyT Im onychicides Thick-leaved Croton SyT Im onychicides Thick-leaved Croton T Im aris Queensland Cascarilla SyT Im sperilio Bat's Wing Coral Tree T Im itidiservis Cudgerie T Im itriplinervis var Hairy Brown Laurel T Im itriplinervis var					
acteryants (-) Queensland Laurel T Im itidissina Canary Beech T Im itidissina Canary Beech T Im onychicides Thick-leaved Croton S/T Im onychicides Thick-leaved Croton S/T Im aris Queensland Cascarilla S/T Im aris Queensland Cascarilla S/T Im seperilio Bat's Wing Coral Tree T Im sclerophylla Boonah Laurel T Im neisneriana Thick-leaf Laurel T Im riplinervis var: Hairy Brown Laurel T Im aris Scentless Rosewood S/T Im scene onica var: Tape Vine Vitch-Hazel T Im nocarpa Hickory Wattle T Im nocarpa Hickory Wattle S/T Im nocarpa Hickory Wattle S/T Im nocarpa Hickory Wattle T Im nocarpa Hickory Wattle S/T Im nocarpa Hickory Wattle S/T Im nonica var: Tape Vine T Im nonica var: Tape Vine T Im nonica A Sandpaper Fig T Im A Sandpaper Fig T Im ta	Escalloniaceae				
titidissima Canary Beech T Im te to arise Brittlewood SyT Im aris Queensland Cascarilla SyT Im arise Queensland Cascarilla SyT Im arise Queensland Cascarilla SyT Im arise Queensland Cascarilla SyT Im spertilio Bat's Wing Coral Tree T Im the walvis Cudgerie T Im triplinervis var: Arise Apple T Im triplinervis var: Arise Crow's Apple T Im arise Crow's Apple T Im triplinervis var: Tape Vine Witch-Hazel T Im arise Crow's Apple T Im arise Crow's Apple T Im arise Crow's Apple T Im arise Witch-Hazel T Im arise Witch-Hazel T Im arise Witch Wattle T Im arise Wattle SyT Im arise Wattle SyT Im arise Wattle SyT Im arise Wattle T Im arise A Sandpaper Fig T Im arise T Im arise A Sandpaper Fig T Im arise A Sandpaper Fig T Im arise T Im arise A Sandpaper Fig T Im arise A Sandpaper Fig T Im arise T Im	Anopterus macleayanus (-)	Queensland Laurel	Е	Lm	Ns
nustrale Brittlewood S/T Im aris Queensland Cascarilla S/T Im adassas White Croton Trick-leaved Trick-leav	Polyalthia nitidissima	Canary Beech	T	Im	ns
nationale Britlewood SyT Im spertilio Bat's Wing Coral Tree T Im spertilio Bat's Wing Coral Tree T Im sclerophylla Boonah Laurel T Im riplinervis var. radiosum Scentless Rosewood SyT Im sclerophylla Brown Laurel T Im riplinervis var. Hairy Brown Laurel T Im sclerophylla Boonah Laurel T Im riplinervis var. Hairy Brown Laurel T Im sclerophylla Boonah Laurel T Im riplinervis var. Hairy Brown Laurel T Im scentless Rosewood SyT Im scentless Rosewood SyT Im scan conica var. Tape Vine Y Im nasylon Blackwood T Im nasylon Blackwood T Im nasylon Blackwood T Im scan corarpa Hickory Wattle SyT Im anaylon Blackwood T Im anaylon Wattle SyT Im anaylon Wattle SyT Im anaylon Wattle SyT Im anaylon Wattle SyT Im anaylon Sowwood T Im anaylon A Sandpaper Fig T Im a	Euphorbiaceae				
aris aris aris aris aris aris aris aris	Claoxylon australe	Brittlewood	S/T	Im	Us
actions and Cascarilla SyT Imatata Abite Croton Bat's Wing Coral Tree T Imates and Evalvis Cudgerie T Imates and Evalvis Cudgerie T Imates and Evalvis Brown Laurel T Imates and Evalvis Brown Bro	Croton achronychioides	Thick-leaved Croton	S/T	F	Us
ratiosus White Croton T I Im sperific Bat's Wing Coral Tree T Im bidwilli Yellow Laurel T Im neisneriana Thick-leaf Laurel T Im nriplinervis var. Hairy Brown Laurel T Im triplinervis var. Hairy Brown Laurel T Im scientylla Boonah Laurel T Im triplinervis var. Hairy Brown Laurel T Im scienty Brown Laurel T Im scienty Brown Laurel T Im scients Rosewood S/T Im scient Scientiess Rosewood S/T Im scientylla Blackwood T Im noaylon Blackwood T Im noaylon Blackwood T Im noaylon Blackwood T Im scientylla Wattle S/T Im scientylla Wattle S/T Im scientylla Blackwood T Im noaylon Blackwood T Im A Sandpaper Fig T Im ta A Sandpape	Croton insularis	Oueensland Cascarilla	S/T	Lm	Us
te T Im valvis Cudgerie T Im bidwilli Yellow Laurel T Im bidwilli Yellow Laurel T Im anersophylla Brown Laurel T Im riplinervis var. Hairy Brown Laurel T Im riplinervis var. Hairy Brown Laurel T Im riplinervis var. Hairy Brown Laurel T Im sa Crow's Apple T Im saen Crow's Apple T Im sacent S/T Im sacent S Im sacent Native Witch-Hazel T Im eae Inight Wood T Im car Light Wood T Im rocarpa Hickory Wattle T Im ron pruintosum Snowwood T Im ra A Sandpaper Fig T Im ra A Sandpap		White Croton	Н	Im	ns
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ron pruinosum Snowwood T Lm ta Creek Sandpaper Fig T Lm A Sandpaper Fig T Lm ta A Sandpaper Fig T Lm nonianus		Wattle	T/S	Į,	Wb/Pf
ta Creek Sandpaper Fig T Lm A Sandpaper Fig T Lm ta A Sandpaper Fig T Lm	Pararchidendron pruinosum		L	Lm	Us/Wb
ta Creek Sandpaper Fig T Lm A Sandpaper Fig T Lm ta A Sandpaper Fig T Lm nonianus	Moraceae				
A Sandpaper Fig T Lm	Sicus coronata	Creek Sandnaner Fig	E	Im	ITe/Wh
ta A Sandpaper Fig T Im	Ticus fraseri	A Sandnaner Fig.	- [-	Į.	Us/Wh
nianus	reas francis	A Sandnaner Fig	- [-	II II	Us/Wh
	streblus brunonianus	Str Danishaper vig	-		
Whalehone Tree T Im			E		

Scientific Name	Common Name	Form	Fire Retardance	Comments
Myoporaceae Myoporum acuminatum	Coast Boobialla	S/T	Lm	Wb Oa
Myrsinaceae Rapanea variabilis	Muttonwood	F	Ľm	Us
Myrtaceae Acmena smithii (small varieties) Decaspermum humile Metrosideros queenslandica (.)Pink Myrtle Rhodamnia rubascens Suvosium hodolpinomis (.) Suvosium hodolpinomis (.)	Creek Lilly Pilly Silky Myrtle -)Pink Myrtle Brown Malletwood Smooth hord Pack Analy	TSTT		Us/Wb Us Us Us Us
Oleaceae Notelaea johnsonii Notelaea longifolia Notelaea microcarpa	Veinless Mock Olive Large Mock Olive Velvet Mock Olive	-, -, -,	是是是	Us Us/Wb Us/Wb Us/Wb
Pittosporaceae Hymenosporum flavum Pittosporum undulatum	Native Frangipani Mock Orange	ΗH	E In	Us Ad Us/Wb
Proteaceae Buckinghamia celsissima (-) Ivory Curl Flower Grevillea helmsiae (-) Hicksbeachia pinnatifolia (-) Red Boppel Nut Lomatia arborescens (-) Macadamia integrifolia Macochy Nut Macadamia ternifolia Macochy Nut Macadamia terraphylla Rough Shell Bush Triunia youngiana Spice Bush	Ivory Curl Flower Red Boppel Nut Tree Lomatia Queensland Nut Maroochy Nut Rough Shell Bush Nut Spice Bush	FFFSFFFF	22222	Wb Us Pf Us Pf Us Pf Wb Wb Wb Us
Rubiaceae Coelospermum paniculatum Hodgkinsonia ovatiflora Rununculaceae Clematis glycinoides	Coelospermum Golden Ash Headache Vine	> = >	E E	Sa Us/Wb
Rutaceae Acronychia imperforata Acronychia pauciflora Microcitrus australis	Coast Aspen Soft Acronychia Round Lime	S/T S/T S	la la la	Us/Wb Us Us
Sapindaceae Alectryon connatus	Alectryon	F	Щ	Wb Slow at
Alectryon subcinereus Alectryon subdentalus Alectryon tomentosus Arytera distylis	Wild Quince Holly-leaf Bird's Eye Hairy Bird's Eye Twin-leaf Coogera		222	X X X X X X X X X X X X X X X X X X X

Comments

Fire Retardance

Form

Common Name

Scientific Name

Arytera divaricata	Rose Tamarind	L	Lm	Wb
Arytera foveolata	Pitted Coogera	T	Lm	Wb
Cupaniopsis parvifolia	Small-leaf Tuckeroo	T	Lm	Wb
Cupaniopsis shirleyana (-)	Wedge-leaf Tuckeroo	T	Lm	Us/Wb
Cupaniopsis tomentella (-)	Boonah Tuckeroo	T	Lm	Wb
Elattostachys nervosa	Beetroot	T	Lm	Us/Wb
Elattostachys xylocarpa	White Tamarind	L	FI	Wb
Guioa semiglauca	Wild Quince	L	Lm	Wb
Lepiderema pulchella (-)	Fine-leaf Tuckeroo	L	Lm	Wb
Mischocarpus australis	Red Pear-fruit	L	Lm	Wb
Toechima tenax	Scrub Teak	T	Lm	Wb
Sapotaceae				1
Planchonella chartacea	Thin-leaf Plum	S/T	Lm	Us Sa
Planchonella cotinifolia	Small-leaf Plum	S/T	Im	Us Sa
Simaroubaceae				
Guilfoylia monostylis	Native Plum	Н	Im	Us
Symplocaceae				
Symplocus thwaitesii	Buff Hazelwood	S/T	Im	Us
PIERIDOPHYTES				
Cyatheaceae				
Cyathea australis	Rough Tree Fern	th	Lm	Us
Cyathea cooperi	CommonTree Fern	tΕ	Lm	Us
Cyathea leichhardtiana	Prickly Tree Fern	τF	Lm	Us

Fire-Retardant Plants for Large Gardens, Acreage Blocks, Parks and Farms

The following plants can be used in addition to the lists of plants for small and medium gardens.

GYMNOSPERMS Araucariaceae Agathis robusta (-) Qld Kauri T Lm Pf-resin Araucaria bidwillii (-) Bunya Pine T Lm Pf-resin Araucaria cunninghamii Hoop Pine T Lm Pf-resin Podocarpaceae Brown or Plum Pine T Lm Pf-resin MONOCOTYLEDONS Arecaceae (Palmae) Arecaceae (Palmae) Calamus muelleri Lawyer Cane Vine V Lm Sa Oa	Scientific Name	Common Name	Form	Fire Retardance Comments	Comments
Qld Kauri T Lm amii Hoop Pine T Lm Brown or Plum Pine T Lm NS Lawyer Cane Vine V Lm	GYMNOSPERMS				
(-) Bunya Pine T Im amii Hoop Pine T Im Brown or Plum Pine T Im NS Lawyer Cane Vine V Im	Araucariaceae Agathis robusta (-)	Qld Kauri	Н	Ţ	Pf-resin
hamii Hoop Pine T Lm Brown or Plum Pine T Lm JNS Lawyer Cane Vine V Lm	Araucaria bidwillii (-)	Bunya Pine	L	Lm	Pf - resin
Brown or Plum Pine T Lm JNS Lawyer Cane Vine V Lm	Araucaria cunninghamii	Hoop Pine	T	Lm	Pf - resin
ONS Lawyer Cane Vine V Im	Podocarpaceae Podocarpus elatus	Brown or Plum Pine	L	Щ	Pf - resin
.) Lawyer Cane Vine V Im	MONOCOTYLEDONS				
	Arecaceae (Palmae) Calamus muelleri	Lawyer Cane Vine	>	Lm	Sa Oa

Sa		S.	S. S.			Sa	Sa	Sa	Sa			Wb	Wb			Sa		Wh	0	Sa	Sa	Sa Oa	Sa	Sa	Sa	Sa Oa	Sa Oa	Sa		Sa		C	Sa	Wb/Ad Oa	Sa	Ad Oa Sa		Sa	
Lm		Im	Ę			Lm	Lm	Lm	Lm			Im	Lm			Im		Щ	1	E _E		ij,	<u>.</u>	Ę,	Lm.	Lm	Γm	Lm		Ш		1	5 .	Tm		5		Im	
>		>	>		-	> ;	>	>	>			T	L			>		L	>	> >	11	> ;	> ;	> ;	> ;	>	>	>		>		Λ	> [-	-	E	_		>	E
Supplejack		Climbing Pandanus	Climbing Pandanus			white Supplejack	Supplejack	Prickly Supplejack	Hairy Supplejack			Ribbonwood	Deep Yellowwood			Zig-Zag Vine		Quinine Tree	Merangarra	Southern Melodinus	Gargaloo	Gargarot Furny Silband	Northam Cill.	Mentern Sukpod	Montacy vine	Monkey Kope	velvet Silkood	Pointed Silkpod		Lawyer Cane		Climbino Panax	Celeramond	CCICI y wood	Donoil Codes	renen cedar		Common Milk Vine	Location to Too
Flagellaria endica Flagellaria indica	Pandanaceae	Freycinettia excelsa	Freycinettia scandens	Smilacaceae	Pinogonium Album		-		Ripogonum elseyanum	DICOTYLEDONS	Anacardiaceae	Euroschinus falcata	Rhodosphaera rhodanthema	Annonaceae	Melodorum leichhardtii	(Rauwenhoffia 1.)	Apocynaceae	Alstonia constricta	Melodinus acutiflorus	Melodinus australis	Parsonsia eucalyptonhylla	Parsonsia fulva	Parsonsia Janesolata	Parsonsia latifolia	Parsonsia etraminas	Parsonsia strainthea	Parsonsia Vetalina	raisonsia ventricosa	Arecaceae	Calamus muelleri	Araliaceae	ia cephalobotrvs			Polyscias murrani		Asclepiadaceae	rata	Atherospermataceae

Fire Retardance Comments

Form

Common Name

Scientific Name

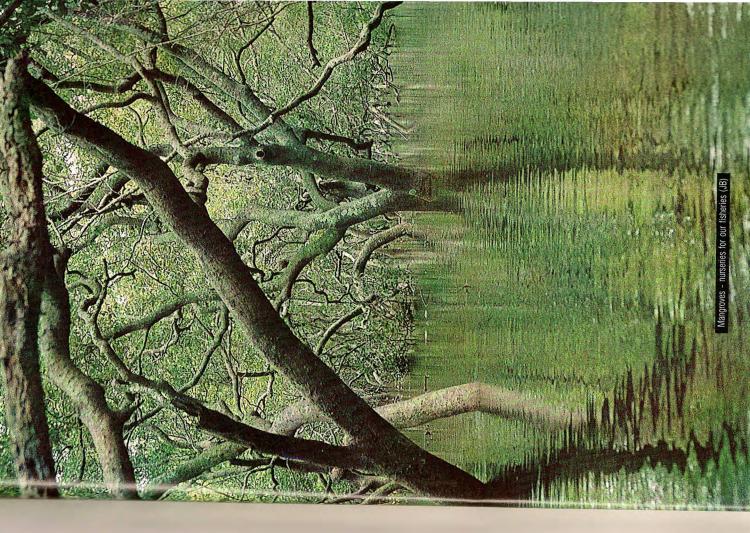
Scientific Name	Common Name	Form	Fire Retardance	Comments	
Avicenniaceae Avicennia marina	Grey Mangrove	H	Lm St	Oa Coastal	
Burseraceae Canarium australasicum	Carrotwood	F	Im	Wb	
Caesalpiniaceae Cassia marksiana (-)	Native Laburnum	H	Ţ.	Wb	
Caesalpinia bonduc	Caesalpinia	>	Im	Sa	
Caesalpinia scortechinii Caesalpinia subtropica	Large Prickle Vine Corky Prickle Vine	>>	P.P.	Sa	
Celastraceae	Stoff Olimber	>	<u> </u>	Sa	
Celastrus subspicatus	Large Staff Vine	>	Ę	Sa	
Loeseneriella barbala (Hippocratea b.)	Knot Vine	>	Lm	Sa	
Cunoniaceae		E		MIL	
Caldcluvia paniculosa		→ E	<u> </u>	WD W/b	
Ceratopetalum apetalum (-)	Coachwood	- E	5.5	Wh	
Geissois benthamii Pseudoweinmannia	Ked Calabean	,	i) :	
lachnocarpa	Marara	T	Lm	Wb	
Schizomeria ovata	White Birch	Η	Im	Us/Wb	
Ebenaceae		E		Wik	
Diospyros fasciculosa	Grey Ebony	-		0 44	
Diospyros pentamera	Myrtle Ebony	Ε	Ę	Wb	
Ehretiaceae	Cordia	H	Į.	Wb	
	Koda	T	II.	Ad De	
Elaeocarpaceae		•		WIL	
Elaeocarpus eumundi	Eumundi Quandong	<u> </u>	当,	Wb	
Elaeocarpus grandis	Blue Quandong	H	<u>H</u> ,	Wb	
Elaeocarpus kirtonii	White Quandong	H	Lm.	Wb	
Elaeocarpus obovatus	Hard Quandong	H	Γm	Wb	
Sloanea australis	Maiden's Blush	H F	m F	Wb	
Sloanea woollsii	Yellow Carabeen	-	Ī	2	
Escalloniaceae Quintinia verdonii	Grey Possumwood	T	m	Wb	
Euphorbiaceae		E		WIL	
Austrobuxus swainii (-)	Pink Cherry	- 1	핔.	WD	
Baloghia inophylla (B. lucida) Scrub Bloodwood	a) Scrub Bloodwood	H E	<u>.</u>	W D	
Bridelia exaltata	Scrub Ironbark		<u> </u>	Wh	
Bridelia leichharátti Claoxylon australe	Brittlewood	- E-	P. F.	Wb	

Dissiliaria baloghioides	Lancewood	L	Lm	Wb
Drypetes australasica	Yellow Tulip	H	F	Wb
Exocoecaria agallocha	Milky Mangrove	L	Lm St	Ad Coastal
9	Scrub Poison Tree	H	Ę	Wb
Glochidion ferdinandi	Cheese Tree	L	Ę	Wb
Glochidion sumatranum	Buttonwood	H	E	Wb
Mallotus discolor	Yellow Kamala	L	Em.	Wb
Mallotus philippensis	Red Kamala	H	Im	Wb
Fabaceae				
Austrosteenisia blackii	Blood Vine	>	Lm	Sa Oa
Castanospermum australe	Black Bean	H	Lm	Wb
Derris involuta	Native Derris	>	Im	Sa
Erythrina sp. Lacey's Creek	Corkwood	H	Im	Ad De
Erythrina vespertilio	Batswing Coral Tree	Н	Im	Ad De
Mucuna gigantea	Burny Bean	>	ΕĪ	Sa
Flacourtiaceae				
Scolopia braunii	Flintwood	L	Lm	Wb
Flindersiaceae				
Flindersia australis	Crows Ash	L	Lm	Wb
Flindersia bennettiana	Bennett's Ash	L	Lm	Wb
Flindersia collina	Leopard Ash	Г	Lm	Wb
Flindersia schottiana	Cudgerie or Bumpy Ash	Н	Γm	Wb
Flindersia xanthoxyla	Yellowwood	L	Γm	Wb
Icacinaceae				
Citronella moorei	Churnwood	H	Im	Wb
Pennantia cunninghamii	Brown Beech	T	Lm	Wb
Lauraceae				
Cryptocarya erythroxylon	Pigeonberry Ash	H	Im	Wb
Cryptocarya hypospodia	Rib-fruit Pepperberry	L	Im	Wb
Cryptocarya macdonaldii	Cooloola Laurel	H	Im	Wb
Cryptocarya microneura	Murrogun	Н	Im	Wb
Cryptocarya obovata	Pepperberry Tree	H	Im	Wb
Endiandra muelleri	Mueller's Walnut	Н	Im	Wb
Endiandra pubens	Hairy Walnut	H	Im	Wb
Endiandra sieberi (-)	Hard Corkwood	H	Im	Wb
Neolitsea australiensis	Grey Bolly Gum	L	Im	Wb
Neolitsea dealbata	White Bolly Gum	H	II.	Us/Wb
Malvaceae				
Hibiscus tiliaceus	Cotton Tree		Lm	Wb
Lagunaria patersonii (-)	Norfolk Is Hibiscus	⊢	Lm	Wb
Meliaceae Anthocarapa nitidula				
(Pseudocarana nitidula)	Incense Cedar	E	Im	Wh
Discontinu fracoranium	Posewood	- E	II II	Wb
DysOxyum Ji usei unum	Mosewood	4	1	0.44

Scientific Name	Common Name	Form	Fire Retardance	Comments	
į					
Dysoxylum mollissimum	-	E		11/17	
ssp. molle (D. muelleri)	Red Bean	_	5	Wb	
Dysoxylum rufum	Hairy Rosewood	Н	FII	Wb	
Melia azedarach	White Cedar	L	Lm	Wb/Ad De	
Owenia cepiodora	Onion Cedar	H	Lm	Wb	
Toona australis	Red Cedar	H	Lm	Wb/Ad De	
Menispermaceae					
I agnouporg moorei	Wild Grane	Λ	Ĭ,	S.	
Leguephola mooner	Prod Men		1 1	n o	
Sarcopetalum harveyanum	Fearl vine	> ;	Ε,	Sa Sa	
Stephania aculeata	Prickly Snake Vine	>	Ш	Sa	
Tinospora smilacina	Snake Vine	>	Lm	Sa	
Tinospora tinosporoides	Arrow-head Vine	>	Lm	Sa	
Mimosaceae					
Acacia aulacocarpa var					
reacta antacocarpa var.	11: 4 11/	E		Wik Di	
autacocarpa	mickory wattie	- E	T - 1	WD III	
Acacia bakeri	Marblewood	- E	▋,	WD FI	
Acacia harpophylla (-)	Brigalow Wattle	- 1	m,	Wb	
Acacia melanoxylon	Blackwood	=	E	Wb Pi	
Archidendron grandiflorum	Lace Flower	T	Im	Wb	
Monimiaceae					
Palmeria scandens	Anchor Vine	>	Lm	Sa	
Moraceae					
Ficus macrophylla	Moreton Bay Fig	L	Im	Wb	
Ficus obligua	Small-leafed Fig	-	į	Wh	
Figure platinoda	Bock Fig	E	<u> </u>	Wh	
Figure superby war homograph		- [-] <u>E</u>	Ad De	
Fire wires was cublenced by Mite Fix	Decidables 11g	· [-	<u> </u>	Wh	
ricas virens var. subjunceou	Missale Fig.	+ E	<u> </u>	Wh	
Ficus watkinstand	Inppierig	-		0 0	
Macial a cochinensis	Cookenn Them	11	3	S. C.	
Malaisia seandans	Burny Vine	> >	1 E	Sa Sa	
Maiaisia scanaens	Dainy rate		l		
Myrtaceae					
Acmena hemilampra	Blush Satinash	>	Γm	Wb	
Acmena ingens					
(A. brachvandra)	Red Apple	>	Im	Wb	
Acmena smithii	Creek Lilly Pilly	L	El.	Wb	
Lophostemon confertus	Brush Box	H	Щ	Wb	
Syncarnia alomulifora	Tumentine	-	Im	Wh	
Cornellus quetrala	Somb Cherry	Ę	E	Wh	
Complete days are	Cour observe	- [-	<u> </u>	Wb	
Syzygiam colynamiam	Domin Cham	- E		Wh	
Syzygium crebrinerve	Purple Cherry	- 1	5	WD	
Syzygium moorei (-)	Durobby	Н	TP.	Wb	
Nyctaginaceae					
Pisonia aculeata	Native Bougainvillea	^	Ţ	Sa	
	0				

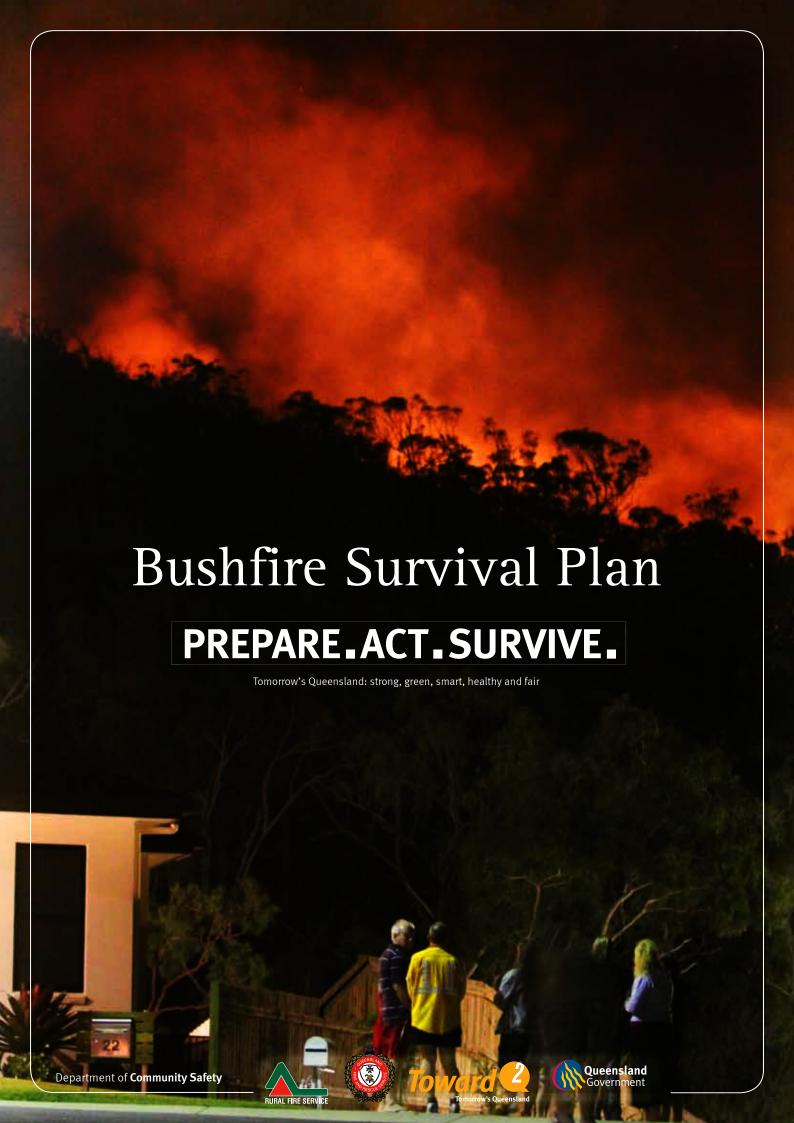
Oleaceae				
Olea paniculata	Native Olive	L	Lm	Wb
Piperaceae Piper novae-hollandiae	Native Pepper Vine	>	Im	Sa
Pittosporaceae Pittosporum rhombifolium	Hollywood	T	Lm	Wb
Proteaceae Floydia praealta	Ball Nut	E	<u> </u>	W
Grevillea hilliana (-)	Hill's Silky Oak	- [-	<u> </u>	o ≱ ≵
Grevillea robusta	Silky Oak	L		<u> </u>
Helicia glabriflora	Smooth Helicia	T	Fm	Б.
Macadamia integrifolia	Queensland Nut	T	III.	Wb
Macadamia ternifolia	Maroochy Nut	L	Im	Wb
Macadamia tetraphylla (-)	Rough-shell Bush Nut	L	Lm	Wb
pinnata (-)	Pink Silky Oak	Н	Lm	Pf
Oriocallis wickhamii (-)	Satin Oak	H	Lm	PF
(Autoxyton Juninheum) Stenocarpus salionus (-)	Sornih Beafmood	E		34
Stenocarpus sinuatus	Wheel of Fire Tree	H	E E	Wb
Ranunculaceae				
Clematis aristata	Old Man's Beard	>	Lm	Sa
Rhamnaceae Alphitonia excelsa	Dad Ach	E	-	
Alphitonia netrei	Pink Ash	- E	II	WB
Emmenosperma			Ī	0 💉
alphitonioides	Yellow Ash	T	Im	Wb
Rosaceae				
Rubus moluccanus	MoluccaBramble	>	Im	Sa
Rutaceae	White I ill. Dill.	E		3
Acronychia suberosa	Willie Lilly Filly Corky Acromobia	1/5	# 1	Wb
Sarcomelicope simplicifolia	Bauerella	- [-	In III	Wb
Sapindaceae				
Alectryon reticulatus	Alectryon	T	Lm	Wb
Arytera lautererana	Corduroy Tamarind	H	Lm	Wb
Atalaya multiflora	Broad-leaf Whitewood	Н	Lm	Wb
Atalaya salicifolia (A. virens)	Scrub Whitewood	H	Lm	Wb
Castanospora aphanandi (-) Brown Tamarind	Brown Tamarind	L	Lm	Wb
Cupaniopsis anacardioides	Tuckeroo	Н	Im	Wb
Cupaniopsis flagelliformis (-)	Brown Tuckeroo	S/T	Щ,	Wb
Diploglous campbellit (-)	Small-leaf Tamarind	- 1	m,	Wb
Otptogtotiis cunningnamii Harnullia hiliii	Native Tamarind	 .	<u>s</u> .	Wb/Ad
Harmilla nendula	Didin-ical runp Tulinused	→ E	m I	W.P.
arnullia nendula	Tillipwood	-	Im	Wh

Scientific Name	Common Name	Form	Fire Retardance	comments	1
Jagera pseudorhus	Foam Bark Tree	Τ	Lm	Wb	
Mischocarpus anodontus	Veiny Pear-fruit	T	Lm	Wb	
Mischocarpus pyriformis	Yellow Pear-fruit	I	Lm	Wb	
Rhysotoechia bifoliolata (-)	Twin-leaf Tuckeroo	T	Lm	Wb	
Sarcopteryx stipata	Corduroy	T	Lm	Wb	
Toechima dasyrrhache	Blunt-leaf Steelwood	T	Lm	Wb	
Sapotaceae					
Amorphospermum antilogum	Brown Pearwood	T	Lm	Wb	
Amorphospermum whitei (-)	Rusty Plum	T	Lm	Wb	
Planchonella australis	Black Apple	T	Lm	Wb	
Planchonella laurifolia (-)	Blush Coondoo	L	Lm	Wb	
Planchonella pohlmaniana	Yellow Boxwood	H	Im	Wb	
Simaroubaceae					
Ailanthus triphysa	White Siris	H	Im	Wb	
Guilfoylia monostylis	Native Plum	H	Im	Wb	
Siphonodontaceae					
Siphonodon australis	Ivorywood	L	Lm	Wb	
Sterculiaceae					
Argyrodendron actinophyllum Black Booyong	Black Booyong	H	Im	Wb	
Argyrodendron trifoliolatum Brown Tulip Oak	Brown Tulip Oak	T	Lm	Wb	
Brachychiton acerifolius	Flame Tree	T	Lm	Ad De	
Brachychiton discolor	Lace Bark	L	Lm	Ad De	
Brachychiton populneus	Kurrajong	L	Lm	Wb	
Brachychiton rupestris (-)	Old Bottletree	L	Lm	Ad De	
Brachychiton sp. (-)	Ormeau Bottletree	Т	Lm	Ad De	
Commersonia bartramia	Brown Kurrajong	П	Fu	Us/Wb	
Sterculia quadrifida	Peanut Tree	H	Ιm	Ad De	291
Symplocaceae Symplocos stawelli	White Hazelwood	T	Im	Wb	
Ulmaceae					10000
Aphananthe philippinensis	Native Elm	H	Im	Wb	Bai
Celtis paniculata	Investigator Tree	L	Lm	Wb	Mark a
Urticaceae					II KALL
Dendrocnide excelsa	Giant Stinging Tree	L	Im	Wb	2.48.5
Dendrocnide photinophylla	Mulberry Stinger	T	Im	Wb	rtaa
Verbenaceae	1000		3	7	are res
Gmelina leichhardtii	White Beech	Η	Im	Wb	
Premna lignum-vitae	Lignum-vitae	Т	Im	Wb	***
Vitaceae					11
Cissus antarctica	Kangaroo Vine	>	Lm	Wb	
Cissus hypoglauca	Five-leaf Watervine	>	Lm	Wb	
Cissus sterculiifolia	Long-leaf Watervine	Λ	Im	Wh	
The state of the s					1



Appendix 2

Bushfire Survival Plan Guideline / Template





You must prepare ACT SURVIVE

Your main priority is to ensure that you and your family are safe. During a bushfire you and your family's survival and safety depend on your preparations, and the decisions you make.

The lives of you and your family are more important than any building.

Whether your plan is to leave early or stay, you must prepare your home and property to increase their level of resilience and your chances of survival.

Bushfires in Queensland

The fire season in Queensland normally commences in the far north of the state in July and progresses through to southern areas as spring approaches. The fire season can extend through to February in southern and far south-western Queensland. These time frames can vary significantly from year to year, depending on the fuel loads, long-term climate and short-term weather conditions in each area.

There are four key considerations for dealing with bushfire:

- The safety of you and your family.
- The resilience of your property.
- The protection of irreplaceable valuables and important documents.
- The maintenance of adequate levels of insurance.

This document will provide you with information about the things you need to consider to prepare yourself and your home for the bushfire season, and how to make your own personal Bushfire Survival Plan.

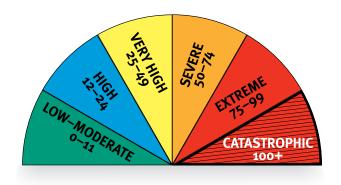
It is your responsibility to prepare yourself, your family and your home for the threat of bushfire.

Understand your risk

The first step in planning to survive a bushfire is to understand your own level of risk. By understanding your own level of risk you will be able to make informed decisions that are right for you and your family. Included with this Bushfire Survival Plan is a self-assessment tool that will enable you to assess the risk level associated with your property. If you are still unsure of your level of risk or require assistance contact your local fire station for more information. To book a Bushfire Safety presentation call 1300 369 003.

Fire danger ratings

The increased frequency of extreme bushfires in Australia in the last 10 years and the recent experience of the Black Saturday fires in Victoria have encouraged fire services throughout Australia to introduce new levels of Fire Danger Rating (FDR). A lift-out chart of the FDR system is contained within this document. Display it in a prominent place in your home or keep it with your Bushfire Survival Plan.



Catastrophic fire danger rating

The highest level is catastrophic. On a day of catastrophic FDR leaving early is the only option to ensure your survival. You must relocate early to a safer location, hours or the day before a fire occurs. Under no circumstances will it be safe to stay with your property.

Leaving late can be a deadly option.

If you are in any doubt, make the decision to LEAVE EARLY.

Extreme fire danger rating

The second highest level is extreme. Should a fire occur in your area on a day of extreme FDR leaving early will always be the only option. Staying can only be considered for homes that:

- Have been designed and constructed specifically to address the threat of bushfire.
- Have been maintained to those levels and are currently well prepared.
- Can be actively defended by people with the skills, knowledge and confidence to implement a well-rehearsed Bushfire Survival Plan.

On days of catastrophic or extreme FDR:

- Fires are likely to be uncontrollable, unpredictable and very fast moving with highly aggressive flames extending high above tree tops and buildings.
- Thousands of embers may be violently blown into and around homes causing other fires to start rapidly and spread quickly up to 20 kilometres ahead of the main fire.
- Fire can threaten suddenly, without warning, and the heat and wind will make it difficult to see, hear and breathe as the fire approaches.
- People in the path of such fires will almost certainly be injured or die and a significant number of homes and businesses will be destroyed or damaged.
- Even well-prepared and constructed homes will not be safe.
- Expect power, water and phone networks to fail as severe winds bring down trees, power lines and blow roofs off buildings well ahead of the fire.

It is vital that you understand on these days that your survival will depend solely on how well you have prepared and how decisively you act.

What will you do?

At all times you need to PREPARE.ACT.SURVIVE.

When the fire danger rating is 'catastrophic' leaving early is the safest option.

When the fire danger rating is lower than 'catastrophic', one of the most important decisions you need to make is whether you will leave early or stay with a well prepared property. This decision is the basis of your Bushfire Survival Plan.

The following questions may help you make the right decision for whether you will leave early or stay:

- Do you need to consider family members who are young, elderly or infirm?
- Are you physically and emotionally prepared to stay with your property?
- Do you have the knowledge, skills, and confidence to stay with your property?
- Is your home adequately constructed, maintained and prepared to withstand the impact of a fire? In other words, is your home prepared to withstand the impact of a bushfire?
- Do you have well-maintained resources and equipment to fight fire, and do you know how to use them?
- Do you have appropriate protective clothing to fight a fire?
- What will you do if a rapid onset fire leaves you with no time to leave? Where will you shelter?



Leave early

If you plan to leave early then you must leave your home well before a bushfire threatens and travelling by road becomes hazardous. Your leave early preparations include:

Step 1: Preparation – your property should be well prepared for bushfire even if you intend to leave early.

Step 2: What you will do – make your Bushfire Survival Plan in accordance with your decision to leave early.

Step 3: Make a contingency plan – the FDR, the preparedness of your home, a change in household circumstances, a change in your physical preparedness or unexpected visitors are some things that may require you to reconsider your Bushfire Survival Plan.

Planning to stay

Planning is critical to successfully staying with your home may involve the risk of psychological trauma, injury or death.

Step 1: Preparation – your property must be able to withstand the impact of bushfire and well prepared to shelter you and your family.

Step 2: What you will do – make your Bushfire Survival Plan in accordance with your decision to stay.

Step 3: Make a contingency plan – the FDR, the preparedness of your home, a change in household circumstances, a change in your physical preparedness or unexpected visitors are some things that may require you to reconsider your Bushfire Survival Plan.

In making your decision to stay, here are a few things you need to consider.

- Is your property able to withstand the impact of a bushfire?
- Are you physically and emotionally prepared to stay with your property?
- Do you have well-maintained resources and equipment and do you know how to use them?
- Do you have appropriate protective clothing?
- Will your bushfire survival plan need to be different for weekdays, weekends or if someone is sick at home?
- Do you have a contingency plan?

Preparing your Bushfire Survival Plan

Preparation is the key to survival. Being involved in a fire will be one of the most traumatic experiences of your life.

- Prepare yourself you need to be both mentally and physically prepared to carry out your Bushfire Survival Plan.
- Prepare your Bushfire Survival Plan.
- Prepare your Bushfire Survival Kit.
- Prepare your Bushfire Relocation Kit.
- Prepare your property.

When writing your plan you need to consider:

- Have you made the right choice: to leave early or stay?
- Have you discussed your choice with your family, friends and neighbours?
- Who will take charge and lead other family members by carefully communicating the various tasks set out in the plan?
- If you have chosen to stay what will you do to protect your property when the fire arrives?
- What will you put in your Bushfire Survival Kit and where will you store it?
- Do your friends, family and neighbours know the details of your plan?

- What will you do if your Bushfire Survival Plan fails?
- Do you have an alternative option or contingency plan if your plan fails?
- Do you have a Neighbourhood Safer Place (NSP) you can go to as a last resort? For more information on NSPs see www.ruralfire.qld.gov.au.
- Is it safe to travel there?

If your decision is to leave early, you must include the following information or action items in your Bushfire Survival Plan:

- Monitor media outlets radio, TV, mobile phone and internet for bushfire alerts.
- When will you leave?
- What will be your trigger for action?
- Will your plan be different for weekdays, weekends, or if someone is at home sick or injured?
- What will you take with you (Relocation Kit)?
- Where will you and your family go when you leave early?
- What route will you take to get there?
- What will you do with your pets?
- What will you do if there are consecutive or multiple 'catastrophic' or extreme fire danger days?
- Will you go into work on days when the FDR is in the upper levels?
- Will you send your children to school when the FDR is in the upper levels?
- Will all members of your household leave early?
- What will you do to prepare your property?
- What is your contingency plan in the event that it is unsafe to leave?

If your decision is to stay you must include the following information or actions items in your Bushfire Survival Plan:

- Monitor media outlets Radio, TV, mobile phone and internet.
- Locate your Bushfire Survival Kit.
- Put on protective clothing.
- Remain hydrated by drinking lots of water.

- Move any stock to fully grazed paddocks.
- Move cars to a safe location.
- Remove garden furniture, doormats and other items.
- Close windows and doors and shut blinds.
- Take down curtains and move furniture away from windows.
- Seal gaps under doors and window screens with wet towels.
- Place pets inside, restrain them, and provide water.
- Block downpipes and fill gutters with water.
- Wet down the sides of buildings facing the approaching fire front.
- Wet down decks and verandas.
- Wet down fine fuels close to buildings.
- Turn on sprinklers in garden before bushfire arrives.
- Fill containers with water; bath, sinks, buckets, wheelie bins, etc.
- Have ladders ready for roof space access (inside) and against roof (outside).
- Have generator or petrol pump ready.
- Start checking and patrolling for embers outside.

When the fire front arrives:

- Take all fire fighting equipment inside such as hoses and pumps as they may melt during the fire.
- Go inside and shelter away from the fire front.
- Patrol the inside of your home, including the ceiling space, for embers or small fires that may start.
- Drinks lots of water.
- Check family and pets.

After the fire front has passed:

- Wear protective equipment.
- Go outside once it is safe.
- Check for small spot fires and burning embers:
 - inside roof space
 - under floor boards
 - under house space
 - on veranda and decks

- on window ledges and door sills
- in roof lines and gutters
- garden beds and mulch
- wood heaps
- outdoor furniture
- sheds and carports
- Continue to drink lots of water.
- Stay at your property until the surrounding area is clear of fire.
- Monitor media outlets radio, TV, mobile phone and internet.

You need to be both mentally and physically prepared to carry out your Bushfire Survival Plan

There may be other actions to include, depending on your individual property and the level of bushfire risk you are exposed to.

Include the whole family in creating your Bushfire Survival Plan. You and your family should be aware of the actions you will take at the various FDR levels and it is important to ensure this is incorporated into your Bushfire Survival Plan. The FDR for your area can be found on roadside signs and by visiting www.ruralfire. qld.gov.au and following the FDR link.

It is important that your Bushfire Survival Plan does not rely solely on receiving an alert.

Once you have completed your Bushfire Survival Plan, practise it regularly to ensure everyone involved knows exactly what to do in the event of a fire.

Preparing your Bushfire Survival Kit

It is essential that you have a Bushfire Survival Kit if your choice is to stay with your property. This kit will ensure you and your family have the important equipment you need to stay. For a comprehensive list of equipment needed in a Bushfire Survival Kit see page 14.

Preparing your Bushfire Relocation Kit

It is equally important to have a relocation kit if your choice is to leave early. This kit will ensure you and your family have important items and equipment required to relocate for the time needed. For a comprehensive list of items and equipment needed in a Bushfire Relocation Kit see page 15.

Making a contingency plan

No matter whether your decision is to leave early, well before a bush fire threatens or to stay you should still have a contingency plan as part of your Bushfire Survival Plan. There are many scenarios to consider, such as what you will do if a rapid onset fire starts in your local area making roads impassable or travel particularly dangerous. You should have other options if road travel is not safe.

- Is your house well prepared?
- Can it provide you with protection from radiant heat?
- Have you identified a safer location such as an NSP?

Sheltering in a well-prepared property is far safer than being out in the open or in a vehicle

Preparing your property

An unprepared property is not only at risk itself, but may also present an increased danger for your neighbours and their homes.

Planning is absolutely critical to safely staying with your home. Staying home involves the risk of psychological trauma, injury and death.

There are a number of measures you can take to prepare your home and property for bushfire. These include several preparations you must take annually prior to the bushfire season.

Your pre-season property preparations should include:

- Displaying a prominent house number.
- Ensuring there is adequate access for fire trucks to your property – 4 metres wide by 4 metres high with a turn-around area. Reduce vegetation loads along the access path.
- Mowing your grass regularly.
- Removing excess ground fuels and combustible material (long dry grass, dead leaves and branches).
- Clearing of leaves, twigs, bark and other debris from the roof and gutters.
- Purchasing and testing the effectiveness of gutter plugs.
- Trimming low-lying branches 2 metres from the ground surrounding your home.
- Enclosing open areas under your decks and floors.
- Installing fine steel wire mesh screens on all windows, doors, vents and weep holes.
- Pointing LPG cylinder relief valves away from the house.
- Conducting maintenance checks on pumps, generators and water systems.
- Checking that you have sufficient personal protective clothing and equipment.
- Relocating flammable items away from your home including woodpiles, paper, boxes, crates, hanging baskets and garden furniture.
- Sealing all gaps in external roof and wall cladding.
- Checking that the first aid kit is fully stocked.

Bushfire Alerts

If you receive an emergency warning about a bushfire or other emergency, take notice as it could save your life.

There are three types of alert messages to help you make the right safety choices:

Bushfire Advice Message – a fire has started – general information to keep you up to date.

Bushfire Watch and Act Message – represents a heightened level of threat. Conditions are changing, a fire is approaching; lives may come under threat. Take appropriate action.

Bushfire Emergency Warning – is the highest level message advising of impending danger. It may be preceded with the Standard Emergency Warning Signal (SEWS).

An Emergency Warning means there is a threat to lives and protective action is required immediately.

When a bushfire strikes

You have made your decision to **PREPARE.ACT.SURVIVE.**You have prepared your property before the fire season.
You have made your Bushfire Survival Plan. You have practised your Bushfire Survival Plan.

A bushfire is threatening? What do you do?

- Know the FDR for any given day.
- Regularly check the FDR on the Rural Fire Services website at www.ruralfire.qld.gov.au.
- Monitor your media outlets for warnings on bushfire activity.
- Seek out information if you have to, and do not assume that you will receive a warning.
- Leave early or stay according to your Bushfire Survival Plan.
- Act decisively in accordance with your Bushfire Survival Plan.
- Do not adopt the 'wait and see' option.

Travelling in your vehicle near a bushfire

Sheltering inside a vehicle is a high-risk strategy that can result in death. Whilst sheltering inside a vehicle offers you a slightly higher chance of survival than being caught in the open, having a leave early or stay strategy is a much safer option.

You should never take a journey into areas where the fire danger is catastrophic or extreme. You should consider postponing or finding alternative routes if necessary. If you can smell or see smoke in the distance it is best to u-turn and drive away from the danger.

If you are caught in smoke or flames while on the road:

- Turn on the vehicle's headlights and hazard warning lights.
- If you need to shelter in your vehicle drive your car into a bare, clear area well away from surrounding trees, leaving lights on. Position vehicle to prevent side impact from advancing fire front.
- Close all windows and vents.
- Leave the engine running and turn off the air conditioning system.
- Cover your entire body with woollen or cotton blankets to protect from radiant heat.
- Take shelter below the window level.
- Drink water frequently and stay in the vehicle until the fire front has passed.
- Once the fire front has passed exit the vehicle to inspect the damage and ensure other passengers are safe.

Neighbourhood Safer Places

A Neighbourhood Safer Place (NSP) is a place of last resort for people during a bushfire. An NSP may form part of a back-up plan when:

- Your Bushfire Survival Plan has failed.
- Your plan was to stay but the extent of the fire means that your home cannot withstand the impact of the fire and therefore your home is not a safe place to shelter.
- The fire has escalated to an extreme or catastrophic level and relocation is the safest option.

An NSP is an identified building or open space within the community that can provide a level of protection from the immediate life-threatening effects of a bushfire. NSPs still entail some risk, both in moving to them and while sheltering in them and cannot be considered completely safe.

They are a place of *last resort* in bushfire emergencies only. The following limitations of NSPs need to be considered within your Bushfire Survival Plan:

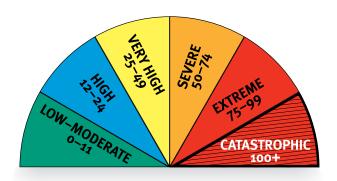
- NSPs do not cater for pets.
- Firefighters may not be present as they will be fighting the main fire front elsewhere.
- NSPs do not provide meals or amenities.
- They may not provide shelter from the elements, particularly flying embers.

If you are a person with special needs you should give consideration to what assistance you may require at an NSP.

Although QFRS cannot guarantee an immediate presence during a bushfire, every effort will be made to provide support as soon as resources are available.

If an NSP is part of your contingency plan it should not require extended travel through fire-affected areas to get there.

FIRE DANGER RATING



The Fire Danger Rating (FDR) is an early indicator of potential danger and should act as your first trigger for action. The higher the rating the greater the need for you to act.

The FDR is an assessment of the potential fire behaviour, the difficulty of suppressing a fire, and the potential impact on the community should a bushfire occur on a given day.

A Fire Danger Index (FDI) of 'low-moderate' means that fire will burn slowly and that it will be easily controlled, whereas a FDI in excess of 'catastrophic 100+' means that fire will burn so fast and so hot that it will be uncontrollable.

CATASTROPHIC 100+

A fire with a rating of 'catastrophic' may be uncontrollable, unpredictable and fast moving. The flames will be higher than roof tops. Many people will be injured and many homes and businesses will be destroyed.

During a 'catastrophic' fire, well-prepared and constructed homes will not be safe. Leaving is the only option for your survival.

EXTREME 75-99

A fire with an 'extreme' rating may be uncontrollable, unpredictable and fast moving. The flames will be higher than roof tops. During an 'extreme' fire, people will be injured and homes and businesses will be destroyed.

During an 'extreme' fire, well-prepared and well-constructed homes may not be safe. Leaving is the only option for your survival.

SEVERE 50-74

A fire with a 'severe' rating may be uncontrollable and move quickly, with flames that may be higher than roof tops. A 'severe' fire may cause injuries and some homes or businesses will be destroyed.

During a fire with a 'severe' rating, leaving is the safest option for your survival. Use your home as a place of safety only if it is well-prepared and well-constructed.

VERY HIGH 25-49

A fire with a 'very high' danger rating is a fire that can be difficult to control with flames that may burn into the tree tops. During a fire of this type some homes and businesses may be damaged or destroyed.

During a fire with a 'very high' danger rating, you should use your home as a place of safety only if it is well prepared and well-constructed.

HIGH 12-24

A fire with a 'high' danger rating is a fire that can be controlled where loss of life is unlikely and damage to property will be limited.

During a fire with a 'high' danger rating, you should know where to get more information and monitor the situation for any changes.

LOW-MODERATE 0-11

A fire with a **'low to moderate'** rating can be easily controlled and pose little/or no risk to life or property.

During a fire with a **'low to moderate'** rating, you should know where to get more information and monitor the situation for any changes.

BUSHFIRE SURVIVAL PLAN

Complete your personalised Bushfire Survival Plan lift-out.

Personal details:					
	ers: 000 (Fire, Police and Ambulance)				
Family:	Family:	Family:			
Work:	Friends:	Friends:			
School:					
Important co	ntact details – name and	phone number:			
Insurer:	Policy Number:	Phone:			
Electricity:		Phone:			
Water:		Phone:			
Gas:		Phone:			
Phone Company:		Phone:			
Council:	Phone:				
Leave early: List all names and contage Section 1. Names:	act phone numbers of household members w	who have decided to leave early then complete			
Phone:					
Stay: List all names and conta	act phone numbers of household members w	who have decided to stay, then complete Section 2.			
Names:					

Phone:

Leave early - Section 1

Pull this Bushfire Survival Plan lift-out from this document and keep in a safe place.

Leaving early will always be the safest option for you and your family. It is extremely important for you to prepare a detailed leave early plan to ensure everyone understands what to do and when. Use the boxes below to list tasks to do.

	o do.
_	When to go — Think of different triggers that will cause you and your family to leave early. Think about what you will do if you have sent the children to school that day. Think about whether or not you will have to travel from work into the fire zone.
_	Where to go — Identify one or more safer locations. Consider putting on personal protective clothing before you leave home.
=	Have an alternative route if your first choice is impassable.
	What to take – Make a list of your most valuable items (e.g. insurance papers, electronic records, photo albums, passports, birth certificates and other important documents).

Stay - Section 2

Before the fire	approaches – Start getting yourself and your property ready for a bushfire.	
	oaches – Prepare for ember attack on or near your home. ————————————————————————————————————	
Remember to p	ut on personal protective clothing.	
As the fire fron	arrives – Stay safe by monitoring the fire from inside your home.	
After the fire h	s passed – Patrol your property and extinguish any spot fires or burning embers.	
	o keep this up for several hours.	
eryone n	ust have a contingency plan	
		41 4 1
e a contingency can lead to loss	plan — what will you do if you can't activate your Bushfire Survival Plan? Remembe	r that leav
can icau iu iuss	OI HIVES.	

Anyone who is not going to leave early must be involved in completing this stay and defend plan to ensure they

ACTIVATING YOUR BUSHFIRE SURVIVAL PLAN

Once you have prepared your Bushfire Survival Plan and completed your preparations, it is absolutely essential that you regularly practise and review your plan. This will make sure you and your family are well organised in the event of a bushfire. If a bushfire threatens the health and safety of you, your family, home or property, you should follow these steps:

Step 1 – Activate your Bushfire Survival Plan

Someone must take charge and lead other family members through this emotional experience by carefully communicating the various tasks set out in the plan. Know who is going to leave early and who is going to stay.

Step 2 - Put on your personal protective clothing

Every member of the family must change into their personal protective clothing, including long pants, long-sleeve-shirt and closed-in shoes.

Step 3A - Pack your vehicle and leave early

If your plan is to leave early, pack all valuables in your vehicle (see Relocation Kit) and relocate to your designated safer location. Give yourself enough time to get you and your family to safety. Don't return home until it is safe to do so.

Step3B - Implement your strategy to stay and defend

If your plan is to stay ensure you have all the items in the Bushfire Survival Kit ready to go. This can be a dangerous option and you should be physically and mentally prepared.

Step 4 – Keep informed of bushfire activity

Listen to the radio, television, internet, firefighters and/or police for information on the fire in your local area. Bushfire is dynamic and unpredictable so you need to be prepared for the unexpected. Warnings are not guaranteed so do whatever is necessary to ensure you remain safe.

OR

BUSHFIRE SURVIVAL KIT



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RELOCATION KIT

Write a list of all items your family will need before, during and after your relocation. The list below shows items that you might like to put in your relocation kit.

- protective clothing for the whole family
- battery operated radio and spare batteries
- safety goggles
- mobile phone and battery charger
- medications
- wallet or purse and money
- clothing (two sets of clothes for each family member)
- identity information (passports, birth certificates)
- bottled water (enough for each relocated family member)
- family and friends' phone numbers
- items of high importance (e.g. family photos, valuables, important documents)
- blankets (natural fibres)
- children's toys





BUSHFIRE RISK SELF-ASSESSMENT CHECKLIST



This basic self-assessment checklist is designed to give you a greater understanding of the bushfire risk level relevant to your property. Information provided in this assessment will assist you when completing your Bushfire Survival Plan.

Address:					
			Po	ostcode:	
Property Owne	r/Property Name:				
ACCESS/EGI	RESS Road/Street/Drivewa	y PLEAS	E √ APPROPRIATE	EBOX	
Clear of overhanging vegetation		Yes	No		
Unrestricted gate access		Yes	No)	
Clear of overhead power lines		Yes	No		
Able to reverse in		Yes	No		
Turning/passin	g areas	Yes	No		
Heavy vehicle a	access on cattle grid/bridge	Yes	No		
Alternative way	out	Yes	No		
Two wheel driv	e access	Yes	No)	
STRUCTURE	/S				
Exterior walls –	non-combustible	Yes	No		
Roof ridge capp	oing sealed	Yes	No		
Eaves enclosed	I	Yes	No	, [
Roofing gutters and valleys clear of leaf litter and fine fuels		Yes	No		
Underfloor enclosed		Yes	No	, [
Vents screened		Yes	No	, 🔲	
Windows – non-combustible finishing		Yes	No	, [
Deck/veranda	non-combustible	Yes	No		
WATER SUP	PLY				
Reticulated wa	ter supply	Yes	No		
	th QFRS access – 50mm male camlock fitting can use water if needed	Yes	No		
QFRS accessibl	e external open water supply (dam/pool)	Yes	No		
Firefighting pump and hose connected to water supply		Yes	No)

Other considerations

There are a range of other things to be considered regardless of your decision to leave early or stay:

- Firefighting equipment such as pumps, hoses and sprinkler systems should be tested regularly and maintained in maximum operational working condition.
- Firefighters may need access to your property during a bushfire so it is in your best interests to allow enough space for fire trucks (4 metres wide by 4 metres high).
- Your pets, livestock and other animals require proper care and attention during fires. Consider food, medication, transportation and sleeping arrangements for your animals.

Myths versus Reality

Myths	Reality
There will always be a fire truck available to fight a bushfire threatening my home.	Firefighters may be required to fight many fronts of a large fire. Fire trucks and firefighters are finite resources so it is important they are deployed in an appropriate manner to best manage the fire.
I know the back streets in town like the back of my hand so it is OK for me to leave at the last minute.	If your decision in your Bushfire Survival Plan is to leave early, then you should leave well before the fire front reaches your property. Irrespective of your local area knowledge you must stick to your plan and leave early. Leaving late can be fatal.
Someone from an emergency service will knock on my door when it is time to leave.	Emergency services personnel may not be available to alert the community by door-knocking and encouraging you to leave. You need to monitor the bushfire alerts by listening to the radio, watching TV or checking the rural fire website. You need to be ready to leave early if your life or the people in your care are at risk.
My house will not burn down because there is more than 50 metres between my home and nearby bushland.	Most houses which burn down during bushfires have been attacked by flying embers. Under certain conditions embers can cause ignitions up to 20kms in front of the main fire. A combination of your level of preparation and your home's construction will determine the survivability of your home.
I only have to clean my gutters and mow my lawns to prepare my property for bushfire.	Fire requires fuel, heat and oxygen to occur. This means that flames or embers do not necessarily rely solely on your gutters and lawns for fuel. They might utilise overhanging trees, woodpiles, old building materials under the deck or chemicals in the garden shed to sustain them. Take the time to properly prepare your whole property, which includes yourself, your house and your land.