

Dunmore Farming Pty Ltd

To: Shire of Nannup 15 Adam Street NANNUP WA 6275

From: Ian Dunnet and Kristy Thompson

Farm Managers

Dunmore Farming Pty Ltd

Date:

To Whom It May Concern,

Subject: Development Application for Nature Based Caravan Park, Rural Produce Store and

Holiday Home on Dunmore Farming Pty Ltd, 25 Woodarburrup Coast Road, Scott

River East, WA 6275.

Please find attached the following documents for the Development Application;

- Development Application form
- Cover letter
- Property Map
- Overall Site Plan
- Property Management Plan/Floor plan Holiday home
- Floor Plan for Rural Produce Store
- Certificate of titles
- Water test results
- Bushfire Emergency Information poster
- BMP and BEP

Introduction

Dunmore Farming is a Cattle Farm located in the Scott River East catchment. Dunmore is proposing to diversify into tourism by developing a tourism enterprise called Dunmore Homestead. We believe that there is more potential for tourism in the area and this proposal will compliment what already exists in the area. The property is ideally positioned at the entrance to the D'Entcatastoux National Park and the only all year access to Black Point. The mix of Ecotourism and Agritourism make Dunmore Homestead unique and can cater to a wide range of tourists.

Dunmore Homestead will retain the low-key farming feeling with no major disturbances to the land or vista of the farm. We propose to establish a Nature Based Caravan Park with 8 all season campsites overlooking paddocks. This proposal may make reference to 5 addition campsite that will be apart of a future development. In this application we are also requesting approval for a Rural Produce Store and a Holiday Home located near the Homestead.

We have been trialing tourism over the last 12 months on the farm. First with a temporary camping license over the Christmas/ New Year period (2022/2023) and then in April 2023 we listed a Cottage on Airbnb. These trials have exceeded expectations and with the support of Tourism WA, Dunmore Homestead is ready to help grow tourism in the Scott River East area and the wider Nannup shire.

Holiday Home

The Holiday Home is called Dunmore Homestead Cottage. It offers a studio style accommodation for 2 guests and an infant. This was previously used as a granny flat for the main residence. Dunmore is applying for a change in use from Dwelling to a Holiday Home so we can continue to offer our guests a wholesome rural experience. There are two designated parking bays at the Cottage, a fully equipped kitchen, private bathroom and private firepit. As well as access to the Homesteads kitchen garden and fruit orchid. Guest can also take bushwalks along already established walking trails.

Nature-based Caravan Park

All-season sites

We are requesting planning approval 8 all-season sites accessed from Woodarburrup Road. Each site will have a maximum capacity of 6 people, catering for large families or small groups. Dunmore Homestead Camping will be managed through the booking platform Hipcamp. This platform connects private property owners with campers wanting a more spacious private experience. These sites will be nestled in the farm making them invisible to neighbouring properties and road users. The location of these sites will be across 20 acres that is already cleared of vegetation. All campers will be self-contained with their own shower/toilet facilities and will be responsible for disposing of personal rubbish. To ensure that proper waste management practices are being followed by campground guests we will be adding a dump point on the property. This will be located on the way to the All-season campground. These sites will be children and pet friendly.

Seasonal sites

The 5 seasonal summer sites accessed from Milyeannup Coast Rd that is shown on the maps will not be a part of this application. It is however a future development subject to gaining agreement from the Department of Land and Heritages.

Rural Produce Store

Dunmore is applying for a Rural Produce Store to be setup in a shed in front of the Homestead. The shop will sell freshly picked fruits, vegetables, flowers and edible kitchen décor such a garlic braids. We aim to sell home preserves in the future. The Shop will be staffed by a Dunmore farm managers and opening hours will be determined by seasonal demand. Examples of opening hours are; Daily from 9am – 11am and 2pm – 5pm. The shop will be ideally positioned to double as a check-in location for The Cottage.

Environment

This proposal aims to minimize environmental impact by working with the environment and with the layout of the farm. We estimate that a total of 0.25ha will need to be cleared for this project. This includes vehicular tracks, walking tracks and fence lines. The campgrounds have been carefully selected due to their proximity to existing laneways. In the All-season campground the first 4 camp sites will need new track coming off the main laneway. All other campsites currently have clear access. As some of the camp sites are within an Environmentally Sensitive Area the land management practices will not exceed beyond shire fire break notices.

Dunmore Farming Pty Ltd

The Farm Shop and The Cottage are existing dwelling with well-established amenities, so no clearing is required for this. The farm occupies 500ha of untouched bushland and coastal shrub. Tourism is an economical and sustainable way to use and protect this land.

Bushfire Management

Dunmore has a Bushfire Management Plan and Bushfire Evacuation Plan that incorporates everything set out above. A 20,000L water tank will be added to each campground for fire control before opening. Ian Dunnet (Dunmore farm manager) is a registered firefighter with the Scott River Fire brigade. Dunmore has its own mobile Firefighter unit on a dedicated utility vehicle.

Access

The main driveway and cross over area around the shop and the cottage is graveled. All other internal roads used by guests are unsealed. Upgrades will be made to areas of these roads to ensure 2wd access in maintained.

Water

The property collects rainwater and has access to potable bore water. Water test results determinate that the water meets the requirements of safe drinking water. In total we will have 177,000L of water storage on the property, once the tanks are added to the camping areas.

Biosecurity

Dunmore is a working cattle farm and lot feeder. We are accredited National Feedlot Association operators with a strong emphasis on biosecurity. We will setup exclusion zones and staff only signage within the farm. The seasonal campground is not used for cattle grazing. Whereas the all-season campground will overlook paddocks with livestock grazing. To mitigate biosecurity risk campers will use internal roads that will not enter paddocks or be used by cattle and each campsite will be fenced to separate land uses.

Conclusion

In conclusion Ian and Kristy have many years of experience in the tourism and hospitality industries. And would like the opportunity to add this enterprise into our farming business. Our goal here at Dunmore is to not only offer an authentic rural experience but to build an economically and environmentally sustainable farming business for future generations.

Dunmore Farming Pty Ltd

Thank you for the opportunity to present the Development Application for Dunmore Homestead.

Kristy Thompson

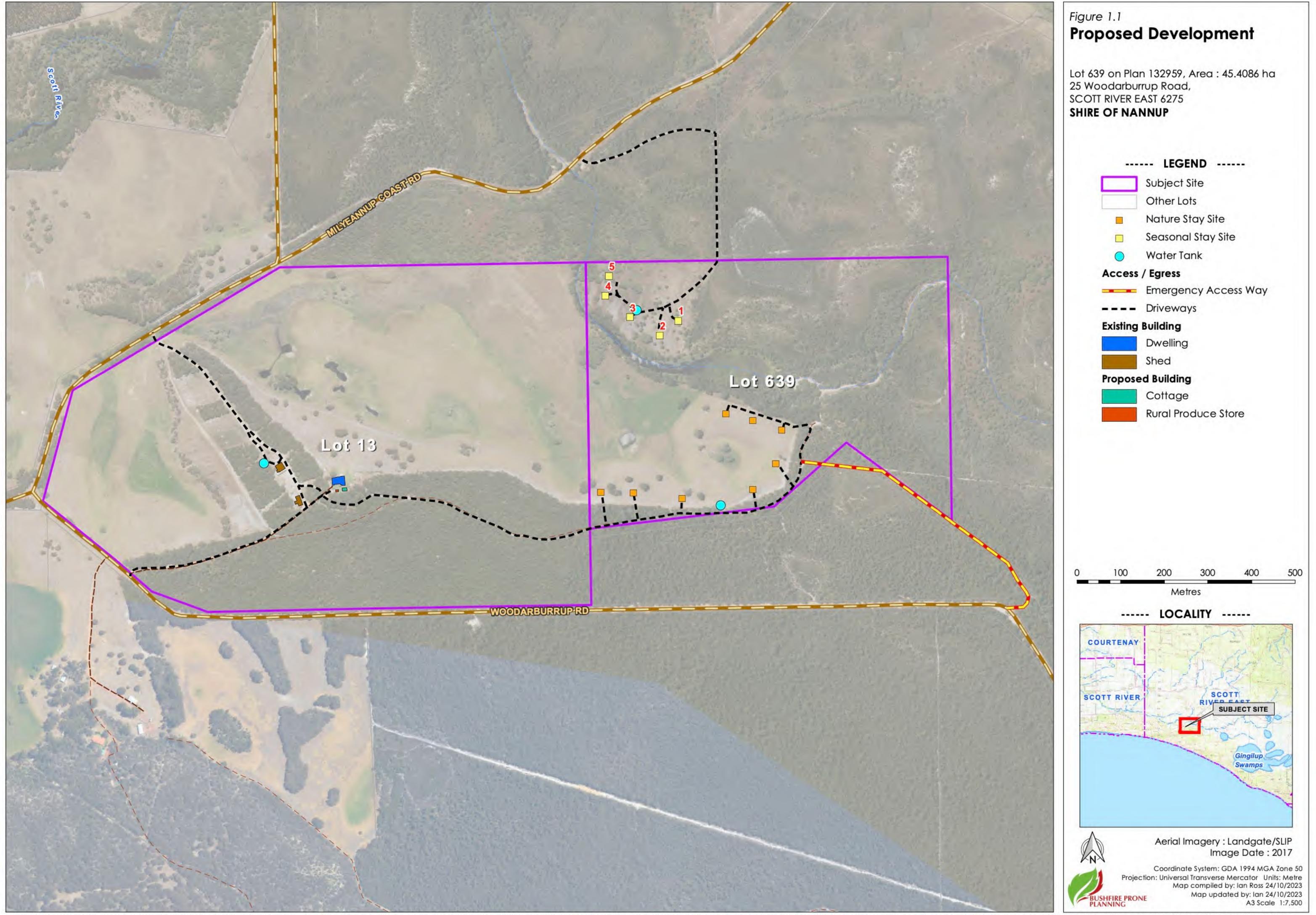
Ian Dunnet

Farm Managers

Dunmore Farming

Dunmore Homestead





Property Management Plan – Holiday Home

Property Details: Dunmore Homestead Cottage - 25 Woodarburrup Road, Scott River East

Property Managers: Kristy Thompson and Ian Dunnet

Holiday Home Manager: Kristy Thompson

Guests: maximum number of guests is 2 Adults, 1 infant

Pets: No pets will be allowed

Parking: 2 car parks next to the Cottage

Water supply: Rainwater tanks and potable bore water supply

Booking method: Airbnb

Keys: Keys are available in the cottage at check-in and left in the cottage at check-out.

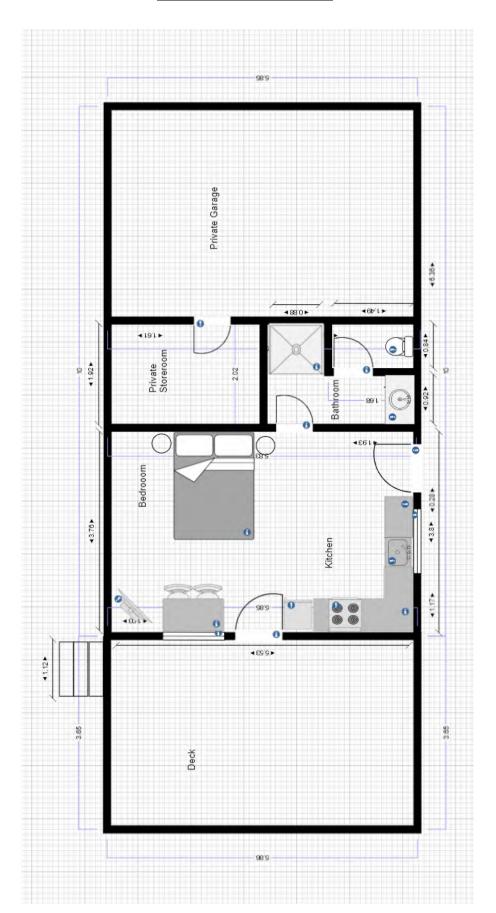
Cleaning and Rubbish information: Cleaning and servicing by Holiday Home Manager. Rubbish disposal at Nannup waste management facility.

Vehicle access: The driveway is gravelled and well maintained. There is signage throughout the property to direct guests to the cottage. Parking is on a concrete pad.

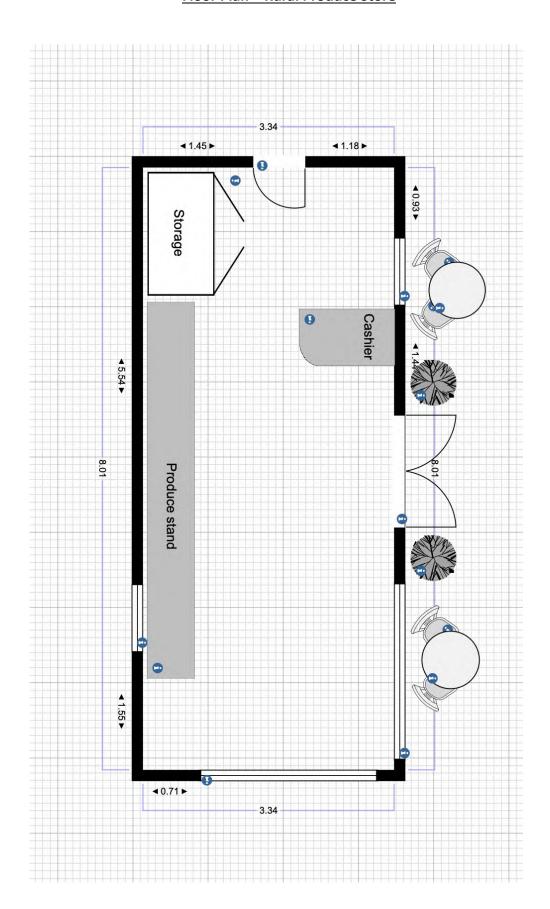
Smoke alarm: The Smoke alarm is in the kitchen. It detects smoke and carbon monoxide.

Bushfires Management: The property complies with local government fire break and fuel hazard reduction notices and has a current Bushfire Management Plan (BMP) and Bushfire Evacuation Plan (BEP).

Floor Plan – Holiday Home



Floor Plan – Rural Produce Store



Proposed site for dump point



The proposed Dump point site is located next to the road to the proposed Nature Based Caravan Park.

This area is 35 meters above sea level. A 3-meter buffer will be required around the dump point for asset protection There is a small natural clearing in the location of 40m2. It is close to the main driveway for easy access to the dump point for the seasonal campground located at the northern end of the property.



Dunmore Farm

Bushfire Emergency Plan

The Operational Document for Onsite Personnel Responsible for Emergency Management



PREVENT | PREPARE | RESPOND | RECOVER

25 Woodarburrup Coast Road, Scott River East

Shire of Nannup

Facility/Premises Use: Tourist development

ATTENTION

It is important that all relevant persons at this facility/premises receive formal training in the application of this Bushfire Emergency Plan, as established in the associated Bushfire Management Plan.

20 September 2023

Associated BMP:

BPP Ref. No. 230559

BPP GROUP PTY LTD T/A BUSHFIRE PRONE PLANNING

ACN: 39 166 551 784 | ABN: 39 166 551 784

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PREPARATION

Limitation of Liability: The procedures and their associated actions contained in this Bushfire Emergency Plan do not guarantee that, in the event of a bushfire, buildings or infrastructure will not be damaged, persons injured, or fatalities occur either on the subject site or off the site while evacuating. This is substantially due to the unpredictable nature and behaviour of fire and fire weather conditions. Additionally, the correct implementation of the required procedures will depend upon, among other things, the ongoing actions of the landowners and/or operators over which Bushfire Prone Planning has no control.

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THE BUSHFIRE EMERGENCY PLAN - ITS PURPOSE AND APPLICATION

The purpose of this Bushfire Emergency Plan (BEP) is to assist persons conduct the operations of the facility/premises that are directed at managing and protecting persons and property from the risks associated with a bushfire event.

To best support the purpose, this BEP is constructed to be used as an **OPERATIONAL DOCUMENT** that facilitates the reliable implementation of required actions at different times of the year, including during the urgent and high pressure conditions of a bushfire event.

The BEP utilises an approach that:

- Establishes Situational Scenarios as Triggers to Implement an Emergency Procedure: Each scenario has a corresponding initial bushfire emergency procedure, and associated actions, that is to be implemented. These have been developed considering the specifics of the facility/premises and its use.
- Facilitates Effective Implementation: It is structured logically and written concisely. The important reference information in the appendices assists with applying the procedures and their actions, of which the included indicative fire behaviour for the bushfire prone vegetation relevant to the facility/premises is particularly important.
- Encourages Formal Training in the Application of the BEP: It is important that persons responsible for actioning this BEP are fully aware of and knowledgeable in the application of the information presented in both the operational sections and the appendices.
- Presents Supporting Data as Necessary: This is data that may include identification of the level and types of
 potential risks to the site and its use and justifies the choice of protection measures incorporated into this BEP
 to manage those risks.

The necessity for inclusion (as an addendum) is dependent on the complexity and scale of the facility/premises site/use and when there is a need to explain why certain procedures/actions have been applied to inform relevant persons (managers and decision makers as applicable).



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1. APPLYING THE BUSHFIRE EMERGENCY PLAN

TO DETERMINE THE REQUIRED ACTIONS TO IMPLEMENT

- At any time of the year;
- For any day of operation; and
- Whether a bushfire exists or not.

REFER TO THE <u>PRIMARY GUIDANCE TABLE</u> ON THE NEXT PAGE AND

- Identify the applicable situational scenario that acts as the <u>trigger</u> for implementing an <u>initial procedure</u>; and
- 2. Identify the corresponding initial procedure and its page number.

THEN PROCEED TO THE APPLICABLE INITIAL PROCEDURE AND CONDUCT ALL STATED ACTIONS.



2. PRIMARY GUIDANCE TABLE – THE TRIGGERS TO IMPLEMENT AN INITIAL BUSHFIRE EMERGENCY PROCEDURE

			THE INITIAL PROCEDURE TO IMPLEMENT 1						
		THE IMPLEMENTATION TRIGGERS	PREVENT	PREP.	NRE		RESPOND		RECOVER
		ESTABLISHED AS SITUATIONAL SCENARIOS RELEVANT TO THE SITE	NO	BUSHFIRE EXIST	S		A BUSHFIRI	EEXISTS	
		ESTABLISHED AS SHUAHONAL SCENARIOS RELEVANT TO THE SHE	PRE-SEASON PREPARE	MONITOR & MAINTAIN	PRE- EMPTIVE	ELEVATED THREAT	SAFE (EARLY) EVACUATION	SHELTER-IN- PLACE	RECOVERY
I.D			Page 13	Page 18	Page 20	Page 21	Page 24	Page 27	Page 30
DU	RING	THE BUSHFIRE SEASON (OCTOBER TO APRIL) WHEN LARGE PUBLIC EVENTS ARE <u>N</u>	<u>IOT</u> A PART OF	PREMISES OF	PERATIONS				
A	STS	A bushfire EMERGENCY or WATCH AND ACT warning has been issued and applies to the site. The highest level response procedure (the primary response), as determined specifically for the site and its use, is triggered.					X		
В	RE EXISTS	A bushfire ADVICE warning has been issued and applies to the site.				X			
С	BUSHFIRE	A bushfire warning has not been issued.				X			
D	A	The bushfire is either now controlled, or the fire front has moved past the facility/premises. Evacuation or shelter in place procedures may have been implemented earlier.							X
E	NO BUSHFIRE EXISTS	The forecast Fire Danger Rating (FDR) is Catastrophic; OR The forecast Fire Danger Rating (FDR) is Extreme, and the forecast Fire Behaviour Index (FBI) is 75 or greater (refer to BOM website, see Section 4 'Emergency Information Sources'); AND/OR A Total Fire Ban is declared. A Harvest and Vehicle Movement Ban (HVMB) may also be declared.							
F	Z	The forecast fire danger rating (FDR) is High or Moderate or there is no FDR.		X					



		THE INITIAL PROCEDURE TO IMPLEMENT 1						
PROCEDURE IMPLEMENTATION TRIGGERS SITUATIONAL SCENARIOS RELEVANT TO THE SITE		PREVENT	PREPA		RESPOND A BUSHFIRE EXISTS			
			MONITOR & MAINTAIN	PRE- EMPTIVE	ELEVATED THREAT	SAFE (EARLY) EVACUATION	SHELTER-IN- PLACE	RECOVERY
I.	D.	Page 13	Page 18	Page 20	Page 21	Page 24	Page 27	Page 30
P	RIOR TO THE BUSHFIRE SEASON (MAY TO SEPTEMBER)							
	For the site location, this is the period of the year during which a bushfire event is considered to have a lower likelihood of occurrence and expected fire intensity will be lower. If a bushfire event does occur, the relevant 'Bushfire Identified' trigger will apply (see below).	X						

Note 1 : Each trigger will activate an initial single emergency management PROCEDURE. The corresponding ACTIONS can include conducting a re-evaluation of the current situation. This can result in a different PROCEDURE needing to be implemented.



3. EMERGENCY CONTACTS

3.1. EMERGENCY SERVICES

AGENCY/AUTHORITY	SERVICES	CONTACT		
Department of Fire and Emergency Services / Police / Ambulance	Will respond to life threatening emergencies. Use to report a fire.	Phone call: triple zero '000' Phone app: EMERGENCY PLUS		
State Emergency Service (SES)	Emergency assistance - securing your property, rescuing persons.	13 2500		
Shire of Nannup – Emergency Services	Community Emergency Services Manager (CESM)	Nathan Manning 0437077169		
Shire of Nannup – Emergency Services	Chief Bushfire Control Officer	Robin Mellema 0427975611		
Scott River Volunteer Fire Brigade	Fire Control Officer	Andrew McNab 0427581489		

3.2. FACILITY/PREMISES PERSONNEL WITH EMERGENCY RESPONSIBILITIES

EMERGENCY ROLE	POSITION HELD AT FACILITY/PREMISES	LOCATION	CONTACT	
Response Team Member	Property Owner	Onsite	Ian Dunnet	0437161732
Response Team Member	Property Owner	Onsite	Kristy Thompson	0429692910

3.3. UTILITIES / MEDICAL / ASSISTANCE

AGENCY/ORGANISATION	SERVICES	CONTACT
Nannup Hospital	Emergency medical services	(08)9756 3800
Margaret River District Hospital	Emergency medical services	(08) 9757 0400
Western Power	Response to electricity supply outages and damage.	13 1351
Crisis Care	Crisis accommodation	1800 199 008
Australian Red Cross	Humanitarian assistance	1800 733 276 redcross.org.au/emergencies
Salvation Army	Social services care	13 72 58 (13 SALVOS) salvationarmy.org.au/need-help/disasters- and-emergencies/



4. EMERGENCY INFORMATION SOURCES

THE IMPORTANCE OF BEING AWARE OF YOUR SURROUNDINGS

Know the types of vegetation that grow on surrounding land. Be aware of the potential behaviour of a fire in this vegetation and the threats it can present under different conditions. Relevant information is included in **Appendix 6**.

Knowledge and awareness of the local environment and immediate past and current conditions is a valuable source of information that will assist with decision making – with hot/dry/windy weather presenting the worst conditions.

Lookout for smoke (i.e., evidence of fire) within your surrounding landscape, for as far as you can see. Be aware of the current and forecast wind direction as any fire will be likely to spread in the direction to which the wind is blowing.

YOUR FIRE WEATHER DISTRICT (BOM)	Southern Forests
SOURCE	INFORMATION
Emergency WA emergency.wa.gov.au	This is the primary and most up to date source of information (maps and lists) for: Current warnings and incidents. Designated bushfire evacuation centre. Fire Danger Ratings (FDR) Total Fire Bans (TFB)
Bureau of Meteorology (BOM) bom.gov.au/wa/forecasts/fire-danger	Fire Danger Ratings (FDR) and the corresponding Fire Behaviour Index (FBI).
WA Department of Fire & Emergency So Information Line: 13 3337 (13 DFES) dfes_wa dfes.wa.gov.au/hazard-information/bu	Republishing of Emergency WA Warnings. General emergency information. Provides overviews of bushfire hazard educational information, including bushfire behaviour and preparation, response, recovery information, and FAQ.
Local Radio Stations ABC (AM) 98.3 abc.net.au/radio/stations	Current bushfire warnings, designated bushfire evacuation centre and other relevant information.
Emergency Alerts – through automated telephone warning system	Voice messages (landline) and text messages (mobile) can be sent within a defined area under an immediate threat.
Bushfire.IO bushfire.io	Map based bushfire warnings, bushfire incidents and wind forecasts. A visual tool run privately – crosscheck with other sources.
WA Parks and Wildlife Service dpaw.wa.gov.au Website	Bushfire alerts and warnings, current prescribed burns in national parks.
Main Roads WA Phone: 13 8138 travelmap.mainroads.wa.gov.au/Hom	Road alerts and closures (incidents and roadworks).



5. RELOCATING PERSONS - IDENTIFIED SAFER LOCATIONS AND TRANSPORT

5.1. RELOCATION ONSITE - ASSEMBLY AND/OR SHELTER IN PLACE

DESIGNATED ON-SITE ASSEMBLY AREA	REFERENCE
Name: Dunmore Farm Description: Homestead Location: 25 Woodarburrup Road.	Site Information Map
DESIGNATED ONSITE SHELTER BUILDING OF AREA	REFERENCE
Name: Dunmore Farm Description: Homestead Location: 25 Woodarburrup Road.	Site Information Map

5.2. RELOCATION OFFSITE - EVACUATION DESTINATIONS

IDENTIFICATION OF THE OFFSITE SAFER LOCATION(S)

[this will correspond to use of the facility/premises and types of occupants]

IMPORTANT: DECLARATION OF OPERATIONAL BUSHFIRE EVACUATION CENTRES

If the facility/premises has potential Bushfire Evacuation Centres available, the declaration of which centre will become the operational centre will only be made by DFES and/or WA Police and with the involvement the Local Government - once the bushfire exists.

IN THE EVENT OF A BUSHFIRE → CHECK INFORMATION SOURCES FOR THE OPERATIONAL EVACUATION CENTRE

If this information is not yet available or if it is identified below that a Bushfire Evacuation Centre is not required, then the applicable offsite safer locations are stated on the following page. Multiple types may be applicable.

Safer Location Type	Description					
Type 1	Designated bushfire evacuation centres. Providing a safer location, away from the existing bushfire threats. Provides a temporary habitable space with potable water, toilet facilities, communication and possibly some medical services. Overnight(s) stay is likely required before returning to facility/premises or other arrangements are made.					
	SAFER OFFSITE LOCATION NO. 1					
Destination	Margaret River Recreation Centre Address: 51 Walcliffe Road, Margaret River Nearest Cross Street: Walcliffe Road/Bussell Highway Contact Person: Shire of Margaret River Phone No: (08) 9780 5255					
Evacuation Route Depart property and turn right onto Woodarburrup Road, at the bend this become Milyeannup Coast Road. Head north and left onto Stewart Road, left onto Brockmo						



	Highway, right onto Bussell Highway, left onto Wallcliffe Road until the Cultural Centre has been reached on your left. (Total approximate travel time: 1 hour, 81kms)					
	SAFER OFFSITE LOCATION NO. 2					
	Nannup Recreation Centre					
Destination	Centenary Drive, Nannup					
Destination	Nearest Cross Street: Warren Road					
	Contact Person: Shire of Nannup Phone No: (08) 9756 1080					
Evacuation Route	Depart property and turn right onto Woodarburrup Road, at the bend this becomes Milyeannup Coast Road. Head north on Milyeannup Coast Road, left onto Stewart Road, right onto Brockman Highway, left into the Recreation Centre carpark next to the football oval in Nannup. (Total approximate travel time: 45 minutes, 55 kms)					



5.3. EVACUATION TIME & TRANSPORT - PERSONS AND VEHICLES

ESTIMATED TIME REQUIRED FOR EVACUATION - INITIATION TO COMPLETION

	ESTIMATED TIME (minutes)				
CONSIDERATION	Less Dependent / Lower Care Persons		High Dependency / High Care Persons		
	Own Transport	Provided Transport	Own Transport	Provided Transport	
Preparation for evacuation (occupants, visitors/customers, staff)	15 mins	-	20 mins	-	
Travel to furthest designated evacuation destination	1 hour	-	1 hour	-	
When travelling to the furthest designated evacuation destination, relative safety for persons in vehicles may be attained at an earlier point enroute (refer to map). When applicable, this shorter time is applied.	-	-	-	-	
APPLIED TOTAL	1:15	-	1:20	-	

PLANNED MAXIMUM PERSON NUMBERS AND VEHICLE SOURCE

Person Type	Own Vehicles	Facility Transport	Contract Transport	Details
Occupants	Yes			2 available vehicles
Visitors / Customers	Yes			Own vehicles that they travelled in
Staff	Yes			Own vehicles that they travelled in

BUSHFIRE EMERGENCY INFORMATION

Dunmore Farm, 25 Woodarburrup Coast Road, Scott River East

THE PRIMARY EMERGENCY PROCEDURE TO FOLLOW FOR THIS PREMISES IS SAFE (EARLY) EVACUATION

Trigger to Evacuate: A bushfire is identified relatively close, and a bushfire EMERGENCY or WATCH AND ACT warning may or may not be issued.. You are concerned for your safety.

Procedure: Call 000 to report bushfire if no warnings current. Cease all activities, shut all doors/windows, turn off air conditioners, turn off bottled gas and move to assembly area designated on the adjacent map. Prepare vehicles. Check information sources for latest updates, dial 000 if unsure. Re-evaluate the situation to ensure evacuation routes remain available (if not, follow shelter in place procedure below). Follow emergency services instructions if they are present.

ELEVATED THREAT PROCEDURE

Trigger to Act: A bushfire is identified a considerable distance away, and a bushfire ADVICE warning may or may not be issued but you are concerned for your safety.

Procedure: Call 000 to report bushfire if no warnings current. Ensure everyone at the premises is aware of the situation, closely monitor the information sources and the changes outside. If the current Fire Danger Rating is Catastrophic or Extreme or persons have health conditions, consider pre-emptively leaving the accommodation and travel to a lower threat area for the day.

SHELTER-IN-PLACE PROCEDURE

Trigger to Shelter: Impact from bushfire is imminent, evacuation routes are threatened and there is no time to perform a safe (early) evacuation <u>or</u> emergency services have instructed you to shelter in place.

Procedure: Call 000 to report the bushfire and tell them you are sheltering in place. Shut all doors/windows, turn off air conditioners, turn off bottled gas, move all combustible materials away from windows, wet materials to block gaps around door. Drink plenty of water, stay aware of what is happening, and monitor information sources.

The detailed emergency management procedures for this premises are established in the Bushfire Emergency Plan located in the Guest compendium with the provided Guest Information.

FORECAST FIRE DANGER RATINGS



The higher the rating, the more dangerous the conditions and the greater the consequences if a fire starts.

<u> </u>	•	
No Rating	No Action Required	
Moderate	Plan and Prepare	
High	Be Ready to Act	
Extreme	Take Action Now to Protect Your Life and Property	
Catastrophic	For Your Survival, Leave Bush Fire Risk Areas	

BUSHFIRE EVENT WARNINGS





WATCH AND ACT There is a possible threat

to lives or homes.

You need to leave or get ready to defend – do not wait and see.



EMERGENCY WARNING

There is a threat to lives or homes. You are in danger and need to take immediate action to survive. 000
Fire or Life Threatening
Emergencies



Alerts and Warnings emergency.wa.gov.au

13 3337 DFES Emergency Information 132 500 SES Emergence Assistance

13 13 51 Western Power

@dfeswa DFES Facebook WRadio Local ABC

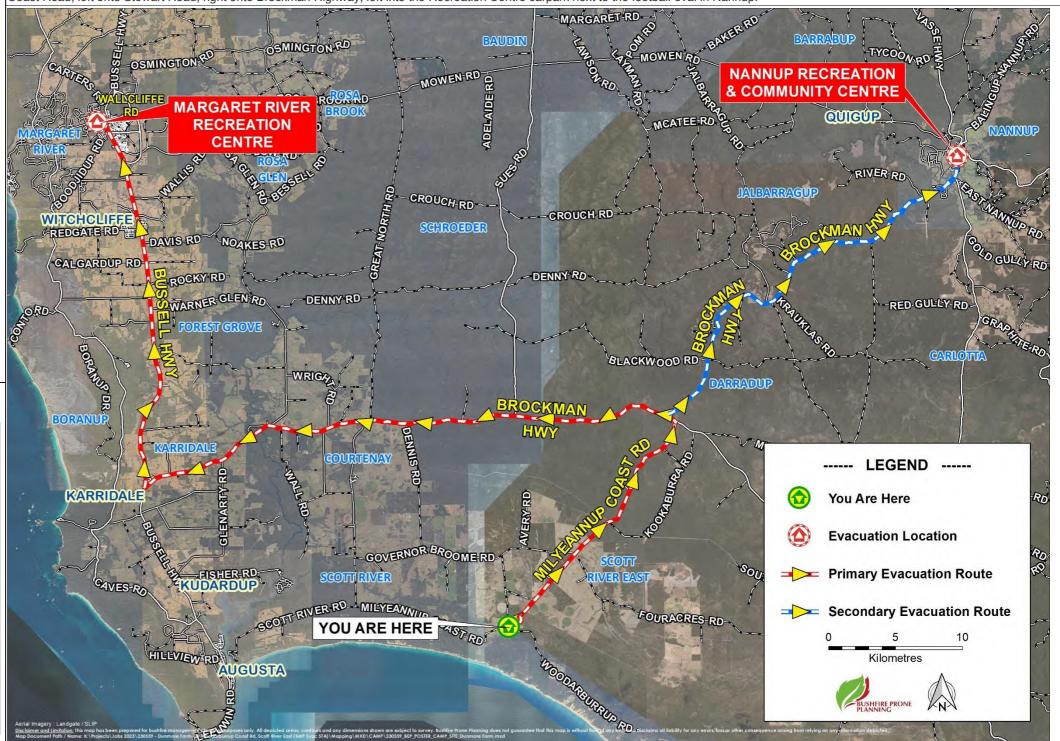
Shire of Nannup: 9756 1018

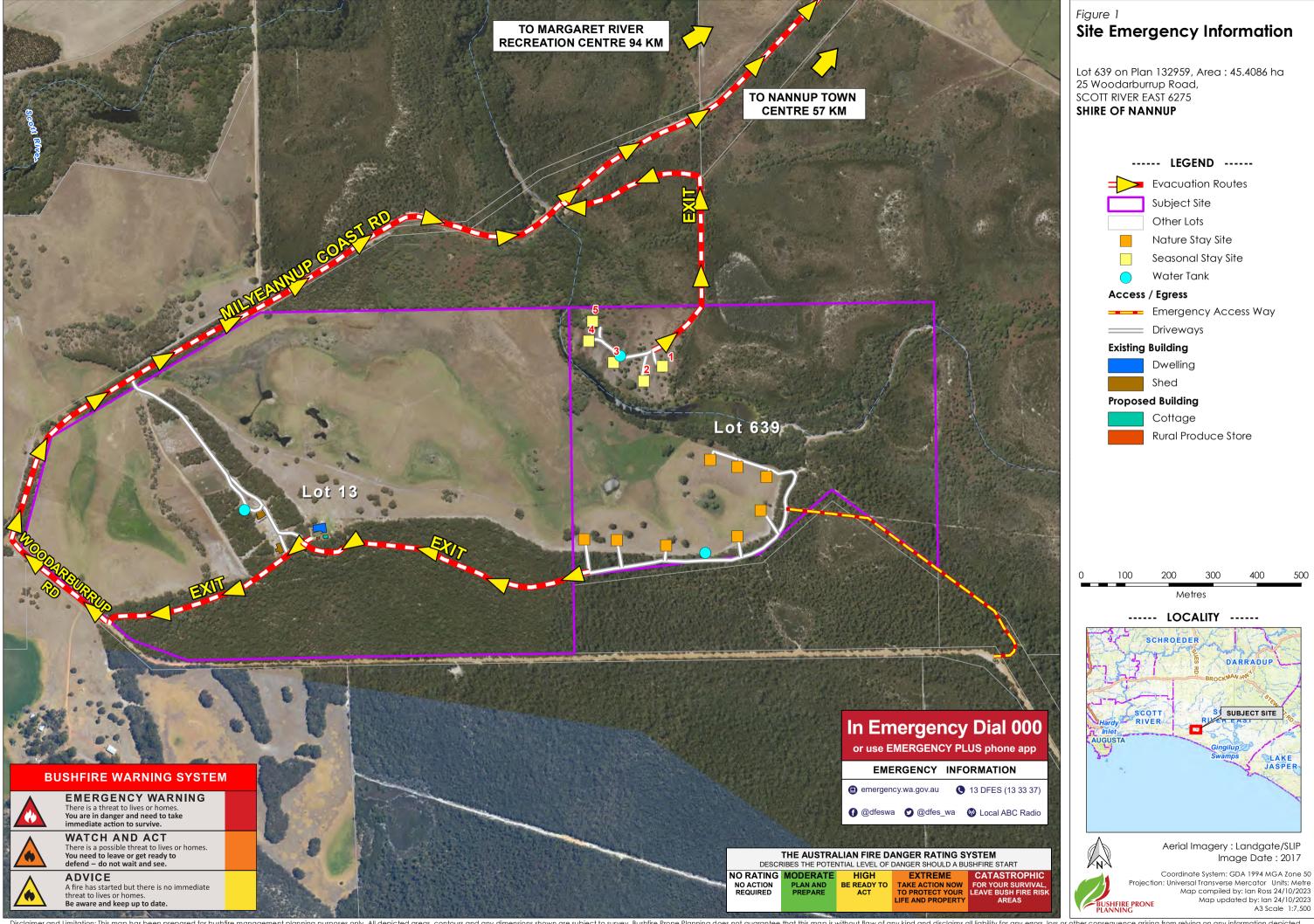
Nannup Hospital (08) 9756 3800

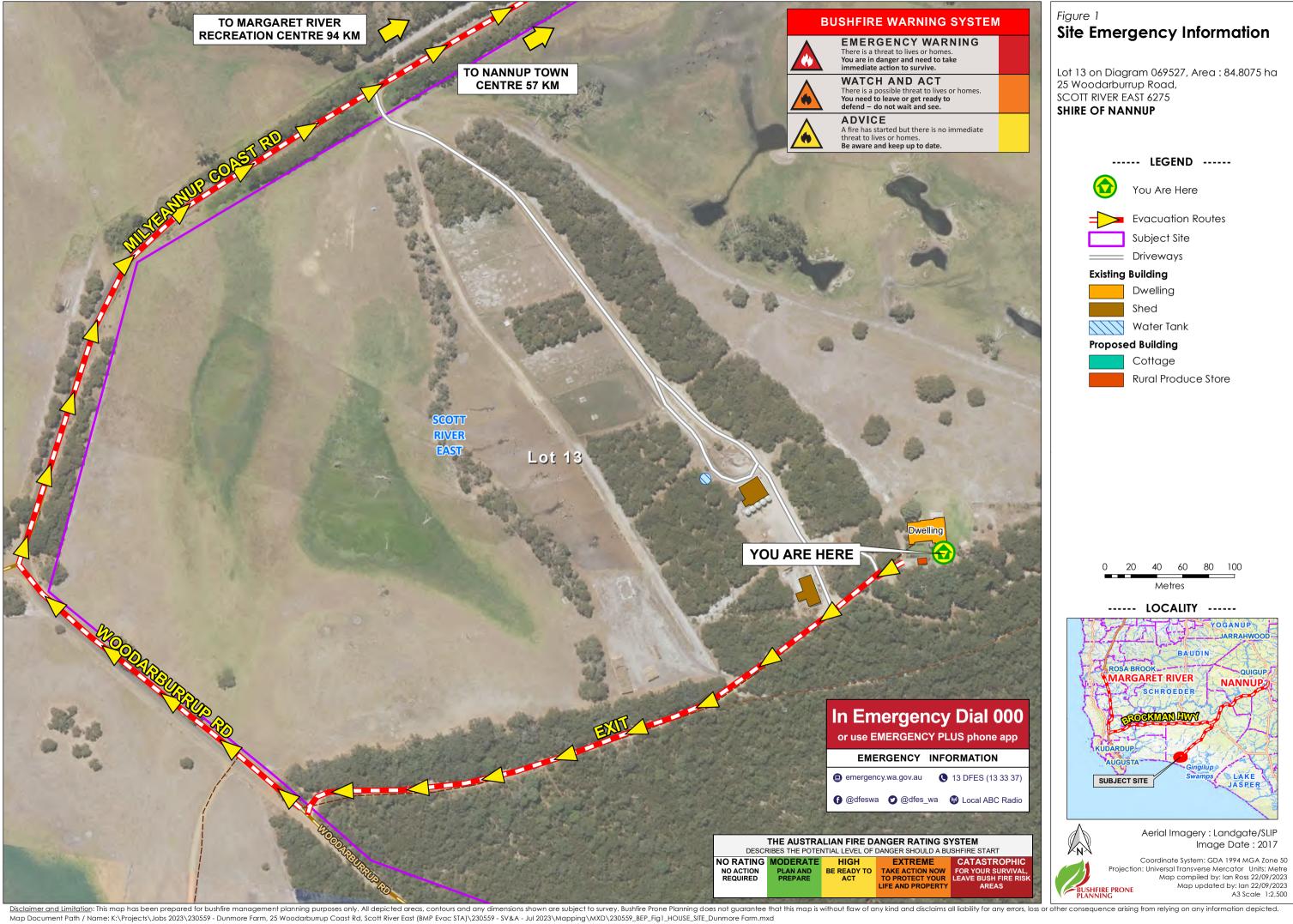
Margaret River Hospital (08) 9757 0400

Evacuation Route 1. Margaret River Recreation Centre. Depart property and turn right onto Woodarburrup Road, at the bend this becomes Milyeannup Coast Road. Head north and left onto Stewart Road, left onto Brockman Highway, right onto Bussell Highway, left onto Wallcliffe Road until the Cultural Centre has been reached on your left.

Evacuation Route 2. Nannup Recreation Centre. Depart property and turn right onto Woodarburrup Road, at the bend this becomes Milyeannup Coast Road. Head north on Milyeannup Coast Road, left onto Stewart Road, right onto Brockman Highway, left into the Recreation Centre carpark next to the football oval in Nannup.









9. BUSHFIRE EMERGENCY PROCEDURES AND ACTIONS

9.1. PRE-SEASON PREPARE

PRE-SEASON PREPARE PROCEDURE - ACTIONS TO IMPLEMENT

1. STAFF PREPARATION - FORMAL TRAINING

Prior to the bushfire season (October to April), provide, to all staff, induction and refresher training to the degree necessary and corresponding to the scale and complexity of the facility/premises use.

Training is to consist of:

- Bushfire behaviour awareness specific to the site and its surrounds. Establish the necessity to operate and
 maintain an environment that mitigates the risks to persons and property from the direct threats of bushfire
 (flame contact, radiant heat, ember attack) and indirect threats of bushfire threats of bushfire (debris
 accumulation, consequential fire, wind attack and tree strike);
- Understand the content of this site specific Bushfire Emergency Plan and its application; and
- For staff assigned bushfire emergency management roles, provide the necessary training.

	All new and existing staff/employees to complete mandatory training in bushfire awareness and the application of the Bushfire Emergency Plan procedures and associated actions.
	Identify and assign the necessary bushfire emergency management roles to appropriate staff and provide training as necessary.
	Ensure enough daily rostered staff/employees hold current Senior First Aid Certification. BPP: When relevant to site operations
	Conduct simulation drills for evacuation and shelter in place procedures. BPP: When relevant to site operations
:	2. ANNUAL REVIEW OF THE BUSHFIRE EMERGENCY PLAN
Upc	ate and amend the Bushfire Emergency Plan as required. Assistance from a bushfire consultant is advised.
Upc	ate and amend the Bushfire Emergency Plan as required. Assistance from a bushfire consultant is advised. As necessary, change contact details (names, phone number) of those persons responsible for bushfire emergency management and planning at the facility/premises and any changes in roles.
	As necessary, change contact details (names, phone number) of those persons responsible for bushfire
	As necessary, change contact details (names, phone number) of those persons responsible for bushfire emergency management and planning at the facility/premises and any changes in roles. Make required changes to emergency contacts and emergency information sources. Ensure that any changes



	Account for any change to buildings or equipment onsite that has implications for emergency management.
	Incorporate any improvements or additions to the emergency management procedures/actions that have been identified by staff and/or emergency services resulting from relevant experience with a bushfire event or changes in best practice bushfire emergency management that are developed over time.
	In the event any part of this Bushfire Emergency Plan is amended as part of its annual review, replace old copies and destroy them.
;	B. DISPLAY & AVAILABILITY OF BUSHFIRE EMERGENCY INFORMATION
	required bushfire emergency information is to be displayed in prominent position/s and readily accessible to all ons.
	Ensure the following up to date bushfire emergency information is displayed (framed or laminated) within the relevant buildings (including near an assembly area and inside the designated 'shelter in place' building.
	The Site Emergency Information Map
	The Evacuation Routes Map
	The Emergency Contacts.
	The Bushfire Information Sources to Monitor
	Additional information can be displayed when considered appropriate, examples of which are contained within the appendices and are available for download from the DFES website.
	Ensure signage for bushfire water supply, emergency assembly area and evacuation routes are in place and legible. BPP: state display locations as relevant or delete.
	Have available copies of the current Bushfire Emergency Plan in locations accessible by the facility/premises persons with bushfire emergency responsibilities.
	Ensure availability and supply of 'Occupant/Visitor Register' sheets (unless an alternative operating recording system is in place). Assign the person/s responsible for maintaining the record



4. BUILDING / EQUIPMENT PREPARATION

These actions address the required preparation of the buildings that comprise the facility/premises, prior to and during the bushfire season to ensure:

- Continued compliance with the construction standards that correspond to its Bushfire Attack Level (as determined in the Bushfire Management Plan)
- The vulnerability of buildings and other consequential fire fuels, to the direct and indirect attack mechanisms of bushfire is minimised; and
- The operational readiness of any installed firefighting equipment and infrastructure.

If the facility/premises is constructed to BAL-12.5 requirements or higher, ensure any external gaps continue to be blocked or screened with non-combustible material (e.g. rock wool, sealant, mesh – maximum aperture of 2mm) to prevent ember entry. This includes under eaves, external cladding, roofs, external vents, skylights etc. Otherwise, it is recommended that this action is applied.
Check that all required window and door screening is in place. This prevents ember entry to internal spaces and reduces radiant heat load on the glass.
If installed, ensure all installed bushfire shutters are operational.
If there is recent construction or planned construction of attached structures (decks, stairs, patio, carport etc.) or adjacent structures (dwelling, shed, carport etc.), ensure bushfire resistant materials (including non-combustible) have been used to the greatest extent possible.
If an evaporative air cooler is installed ensure it is either constructed to the required BAL rating or is fitted with an appropriate ember protection screen.
Ensure all installed firefighting infrastructure and associated equipment including water storage tanks, pump, valves, pipework, fire hose reels & fire extinguishers are serviced, operating and correctly located.
All gas cylinders to be installed and maintained in accordance with AS 1596. This standard includes requirements for small portable cylinders and larger cylinders used for domestic house supply. These include:

- Safety release valve shall be directed away from the building and persons access/egress routes;
- Metal piping and fittings shall be used on all piping inside the building's cavities and enclosable occupied spaces and the high pressure side of any gas regulators; and
- Tethers securing cylinders are to be non-combustible.

This is to limit the potential for flames and high levels of radiant heat from gas flaring or explosion, to directly impact a building. The heat from the bushfire or a closer consequential fire can cause gas cylinder pressures to reach critical levels beyond which their pressure release valve releases large quantities of LP gas. If these gas cylinders fall over, this pressure release valve may no longer function correctly, and internal pressures continue to rise with continued heating until the cylinder ruptures. The resulting explosion includes a pressure wave and large ball of flame which can threaten nearby life and buildings. Flared or ruptured gas bottles are commonly found in post bushfire surveys.

- Remove and maintain at low levels, accumulated vegetation debris (fine fuels) near, on, in and against buildings and structures, including:
 - In construction crevices, gaps, on horizontal / shallow angle surfaces and at re-entrant corners in access ways, at wall/floor, wall/ground, roof/wall junctions and around doors, vents, windows;



- In roof gutters and valleys; and
- Adjoining/adjacent drains, culverts and pits.

	Around building(s), including verandahs and decks, remove or relocate away from the facility/premises those combustible items that may be seldom used or able to be stored more appropriately in the bushfire season. This includes furniture and mats. Refer to Appendix 7 'LANDSCAPING DESIGN & CONSTRUCTION PRINCIPLES TO APPLY' for further information regarding consequential fire fuels and recommended separation distances.
	Ensure all first aid equipment and supplies are stocked, current and accessible.
	Ensure mobile phones are available for facility/premises personnel with emergency management roles.
	Ensure the designated Shelter-in-Place Building is stocked with adequate supplies of drinking water.
;	5. GROUNDS PREPARATION
	se actions address the required management of onsite combustible items/materials (fuels) around, on or in dings. By removing or reducing fuels, the likelihood and intensity of consequential fire is significantly reduced.
Cor	sequential (local) fire which is the most significant cause of building/structure damage/loss in bushfire events.
Fuel	management must be completed prior to the start of the bushfire season and maintained during the season.
For	additional guidance, refer to:
	 The Guidelines for Planning in Bushfire Prone Areas within the Explanatory Notes for Element 2 of the Bushfire Protection Criteria and Schedule 1: Standards for Asset Protection Zones (WAPC 2021);
	 The DFES 'Bushfire Preparation Toolkit' publication. Website: publications.dfes.wa.gov.au/?hazard=Bushfire; and
	 Where initial or renovation landscaping of grounds surrounding the facility/premises is being conducted, apply the directions and principles of the measures presented in Appendix 7 to the greatest extent possible.
	The Firebreak Notice: Maintain compliance with the local government's annual firebreak and fuel load notice issued under section 33 of the Bush Fires Act 1954. Where the requirements are additional to or provide a greater level of bushfire protection than those established in this Bushfire Emergency Plan, they must be complied with.
	Prescribed Burning: Conduct the planned hazard reduction burning as detailed in the associated Bushfire Management Plan for the premises/facility.
П	Accessibility: Ensure all property access/egress routes are kept clear and easily trafficable.

• BPP: State the dimensions and what structure(s) they are to apply to.

associated Bushfire Management Plan for the premises/facility), are installed and maintained.

☐ The Asset Protection Zone (APZ) Dimensions: Ensure the APZ dimensions stated below (established by the



Asset Protection Zone Management:

Trees (greater than 6 metres in height):

- Remove branches overhanging buildings and powerlines;
- Remove lower branches to a height of 2m above the ground or any surface vegetation; and
- Remove loose bark (rake) to at least a height of 2m above the ground or any surface vegetation.

Shrubs (0.5 metres to 5 metres in height) and ground covers (greater than 0.5 metres in height):

- Ensure location and clump sizes remain in accordance with guidance in Appendix 7; and
- Remove all dead plant material.

Grass to be reduced and maintained at a height of 50 mm.

Fine Fuels (i.e., less than 6 mm in thickness):

- Ensure combustible dead vegetation matter is reduced to and maintained at less than 2 t/ha on average. Collecting and weighing an indicative $1m^2$ of this litter above the mineral earth will indicate the fuel load $(100g/m^2 = 1 t/ha)$; and
- Remove all debris piles.

Heavy Fuels (i.e., greater than 6 mm in thickness):

- Such as fallen branches, timber, firewood, packaging materials, building materials, outdoor furniture, and garbage bins.
- To be removed from the APZ or be separated from buildings/structures in accordance with guidance in Appendix 7.

Applied mulches:

• Should be non-combustible e.g., stone, gravel and crushed rock. Where wood mulch is used it should be greater than 6mm in thickness.



9.2. MONITOR AND MAINTAIN

MONITOR AND MAINTAIN PROCEDURE - ACTIONS TO IMPLEMENT

1. MONITOR BUSHFIRE INFORMATION SOURCES

Г	Be aware	of your	surroundings
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- High temperatures, wind and low humidity will increase the threat levels of bushfire attack mechanisms and their potential impact.
- Regularly scan the broader landscape in all directions, for any smoke that might indicate the ignition or existence of a bushfire.

If a potential bushfire is noticed and it is not yet been identified by emergency information sources, then report the fire by calling '000'. Refer to the 'Primary Guidance Table' for the relevant procedure to action.

Regularly monitor the applicable 'Emergency Information Sources' for current information regarding Bushfire Warnings, Fire Danger Ratings (FDR), Fire Behaviour Index (FBI), Total Fire Bans (TFB) and Harvest Vehicle Movement Bans (HVMB). For next day forecasts, check after 4.00pm.

Be aware of the relevant 'Procedure Implementation Triggers' in the 'Primary Guidance Table' that incorporates these warnings, ratings and bans.

TFB: A TFB can automatically exists when higher Fire Danger Ratings apply, or they are declared by the Department of Fire and Emergency Services (DFES) on days when fires are most likely to threaten lives and property due to adverse weather conditions or when widespread fires are stretching firefighting resources. During a TFB it is illegal to carry out any activity in the open air likely to cause a fire. Refer to the DFES website for ban details.

HVMB: Harvest and Vehicle Movement Bans are declared by the local Bushfire Control Officer and may impose a ban on the use or operation of engines, vehicles, plant, or machinery. They are imposed to restrict activities that are likely to cause a bush fire or contribute to the spread of a bush fire when the expected weather conditions indicate that if a wildfire was to start, it would be dangerous, destructive and difficult to stop once started. They can be issued for any period during a day and in conjunction with a TFB. Refer to the DFES website for ban details.

2. MAINTAIN BUILDINGS AND FIRE FIGHTING EQUIPMENT

During the bushfire season (October to April), refer to Action List No. 4 in the 'Pre-Season Prepare Procedure' and ensure all actions applicable to management during the bushfire season are implemented.
Ensure the designated Shelter-in-Place Building is stocked with adequate supplies of water.
Ensure all mobile phones and any radio communication devices are fully charged.
Periodically test start the firefighting water pump and emergency power generator.



3. MAINTAIN ASSET PROTECTION ZONES

	During the bushfire season (October to April), refer to Action List No. 5 in the 'Pre-Season Prepare Procedure' and ensure all actions applicable to management during the bushfire season are implemented.
,	4. MONITOR MOVEMENT OF PERSONS
	For operations where management is required to use 'persons onsite registers', locate and ensure availability of the 'Occupant/Visitor Register'.
	Record the onsite/offsite movement of all relevant persons (time in / time out) to ensure there is knowledge of the of the number and type of persons onsite at any time.



9.3. PRE-EMPTIVE

PRE-EMPTIVE PROCEDURE - ACTIONS TO IMPLEMENT

THIS PROCEDURE IS NOT REQUIRED AS A RISK MANAGEMENT MEASURE FOR THIS FACILITY/PREMISES

This has been determined through assessments conducted to support the development of this bushfire emergency plan (refer to Addendum 1).



9.4. ELEVATED THREAT

ELEVATED THREAT PROCEDURE - ACTIONS TO IMPLEMENT

BE PREPARED TO MAKE AND CHANGE DECISIONS AS NECESSARY

As a person onsite, you are likely to not always have access to expert guidance during different stages of a bushfire event, if at all. Consequently, you must be prepared to take responsibility and make decisions regarding the actions to take, as best as possible.

A bushfire is a dynamic emergency with many variables. However, you have knowledge of the immediate situation regarding local conditions, how the bushfire is impacting the site and the status of persons onsite. This is important information to apply to 'on the ground' practical decision making.

When a bushfire is close to the facility/premises and/or evacuation routes, exercise greater situational awareness, judgement and caution as the margin of safety is less.

Utilise the information provided in this BEP to assist with your decision making, including **Appendix 6 'Indicative Bushfire Behaviour To Impact the Facility/Premises'**. Prior to the bushfire season, training in the use of this BEP is important preparation for an emergency event.

1. CONTINUALLY RE-EVALUATE THE SITUATION TO ENSURE APPROPRIATE PROCEDURE IS IMPLEMENTED

EVALUATION		RESPONSE	
		Conduct Evaluation No. 2	
Evaluation No.1: It remains unknown if a bushfire warning has been issued.	NO	A warning is issued. Refer to the Primary Guidance Table and identify if the trigger to implement a different procedure applies and proceed to implement that procedure.	
Evaluation No.2: Is the bushfire relatively close, continuing to develop and you are concerned for the immediate safety of persons onsite?		Refer to the Primary Guidance Table and identify the emergency procedure corresponding to Implementation Trigger A and implement this procedure.	
persons onsite?	NO	Continue the Elevated Threat Procedure.	

2. INFORM RELEVANT PERSONS OFF-SITE

If you have identified a bushfire but are unaware if a bushfire warning has been issued, check the bushfire
warning status from an information source. Refer to Section 4: Emergency Information Sources. If a warning has
not been issued, report it by calling triple zero '000'.

3. INFORM PERSONS ON-SITE

Inform all persons that a bushfire warning exists for the location (or a bushfire has been identified) and the
requirement to initiate the Elevated Threat Procedure. Advise that you will continue to keep persons informed
about the situation including if it becomes necessary to activate a different procedure or when the bushfire threat no longer exists.
Make all persons aware of the location of the displayed bushfire emergency information. This may be displayed

in prominent areas of the facility/premises. Encourage to read and take any necessary preparatory actions.

These include:

Having belongings ready to move at short notice.



	 Know the designated evacuation destinations and shelter in place building or area.
	Advise those persons that may be more vulnerable due to health conditions or impaired mobility, to consider relocating as soon as possible to accommodation outside the higher risk area as a precautionary measure.
	4. MONITOR THE BUSHFIRE
	Try to locate the position of the bushfire on the Evacuation Routes Map (Section 7):
	 Be aware of the local wind and the direction it is blowing to, as this will indicate the direction the flame front is likely to be moving. If an internet connection is available, utilise the maps on the Emergency WA and Bushfire IO websites to locate (refer to Section 4: Emergency Information Sources). A bushfire moving directly away from the facility/premises, or an evacuation route presents a lower threat;
	 Identify If the fire is moving towards a designated evacuation route and its proximity to the route. This information will be important in making the correct choice of evacuation route should this become necessary.
	Be aware there may be more than one bushfire.
	5. MONITOR BUSHFIRE INFORMATION SOURCES
	Continue to monitor relevant information sources for updated information. If a Bushfire Warning is issued or the existing Bushfire Warning is changed to a higher level, this may trigger the implementation of a different bushfire emergency procedure – refer to the 'Primary Guidance Table'.
	Check the relevant information sources to determine if a Total Fire Ban (TFB) and/or a Harvest Vehicle Movement Ban (HVMB) has been issued. These will restrict the activities that can be conducted or continued onsite (refer to Action List No. 5 below).
,	6. PRECAUTIONARY EVACUATION
	Commence an early precautionary evacuation by applying the 'Safe (Early) Evacuation Procedure' in the following situations:
	 No bushfire warning has been issued and no emergency services are present, but the occupants of the premises/facility are concerned about their safety, and it is considered a practical and desirable action for this facility/premises; or

- tor this tacility/premises; or
- When an emergency services authority has ordered an evacuation.

7. SITE OPERATIONS

☐ If a Total Fire Ban (TFB) and/or a Harvest Vehicle Movement Ban (HVMB) has been declared, comply with the relevant operation and activity bans. Refer to the DFES website for additional ban details.

TFB: A TFB can automatically exists when higher Fire Danger Ratings apply, or they are declared by the Department of Fire and Emergency Services (DFES) on days when fires are most likely to threaten lives and property due to adverse weather conditions or when widespread fires are stretching firefighting resources. During a TFB it is illegal to carry out any activity in the open air likely to cause a fire.

HVMB: Harvest and Vehicle Movement Bans are declared by the local Bushfire Control Officer and may impose a ban on the use or operation of engines, vehicles, plant, or machinery. They are imposed to restrict activities that are likely to cause a bush fire or contribute to the spread of a bush fire when the expected weather conditions indicate that if a wildfire was to start, it would be dangerous, destructive and difficult to stop once started. They can be issued for any period during a day and in conjunction with a TFB.



	Ensure that non-essential staff, visitors and contractors are kept away from the site.
	Establish any required stopping of certain operations or limits to using machinery as relevant to the business and its situation that are to be employed as a protection measure.
8	3. FACILITY/PREMISES PREPAREDNESS
	If practicable, and not recently been conducted as part of the 'Monitor and Maintain Procedure', remove from the APZ:
	 Accumulated vegetation debris from the land surface within the APZ, including any stored piles of debris.
	Accumulated vegetation debris from on, in and against buildings/structures.
	Move heavy consequential fire fuels such building materials, packaging materials, firewood, branches, sporting/playground equipment, outdoor furniture, garbage bins and mats at least 6 metres away from buildings/structures and access/egress paths, unless they are enclosed.
	Move large heavy consequential fire fuels such as boats, caravans, cars, trailers etc at least 12 metres away from buildings/structures and access/earess paths, unless they are enclosed.



9.5. SAFE (EARLY) EVACUATION

SAFE (EARLY) EVACUATION PROCEDURE - ACTIONS TO IMPLEMENT

DO NOT EVACUATE LATE

Analysis of past events identify that most people who die in bushfires are caught in the open, either in vehicles or on foot, because they have left their property too late.

Being in vehicles on roads when a bushfire is close is a high risk action. For evacuation to be the safest response, it must be conducted early.

Otherwise, sheltering-in-place is likely to provide greater protection to persons than a vehicle, particularly when a suitable onsite shelter building or area has been identified in the Bushfire Emergency Plan.

1. CONTINUALLY RE-EVALUATE THE SITUATION TO ENSURE APPROPRIATE PROCEDURE IS IMPLEMENTED

EVALUATION		RESPONSE
Evaluation No.1: Is the controlling agency of the emergency services in contact with you or are emergency services	YES	Conduct Evaluation No.2.
personnel in attendance at your facility/premises?	NO	Conduct Evaluation No.3.
Evaluation No.2: Have the attending emergency services specifically instructed you to either evacuate or shelter in	YES	Implement the Procedure they have instructed.
place?	NO	Conduct Evaluation No.3.
Evaluation No.3: Does a safe evacuation route remain available to use?		Commence the Safe (Early) Evacuation Procedure.
The route must not be impacted or likely to be imminently impacted by the bushfire, including by smoke. This condition can be met if:		Be aware the procedure may have to be stopped for some persons if the continued availability of a safe evacuation route is
Any effects of the bushfire will be a sufficient distance away from the evacuation route; or		threatened.
 The route will require driving directly away from the existing bushfire; or 	NO	Commence the Shelter In Place Procedure
The bushfire is moving away from the evacuation route.		

2. INSTRUCT ALL (OR RELEVANT) PERSONS ON-SITE TO MOVE TO THE DESIGNATED ASSEMBLY AREA

Inform all persons onsite of the conditions (FDR, Bushfire Warning etc.) that exist and have triggered the requirement to initiate the Safe (Early) Evacuation Procedure.
Instruct all persons onsite to move to the Designated Assembly Area (except those with specific bushfire responsibilities). Communicate instructions loud and clearly. Inform that briefing will take place once assembled.
Instruct all persons onsite to bring their vehicles to Dunmore Homestead. Keep all driveways clear for emergency vehicles.
Account for all persons onsite. Do not assume any building on site or campground is empty – check!



3. AT ASSEMBLY AREA - INSTRUCTIONS

	Inform persons at the Assembly Area of the possible evacuation routes and that the decision regarding which route/s to use will be made shortly after conducting a current situation check including an assessment of evacuation route continuing availability.
	4. CEASE FACILITY/PREMISES OPERATIONS
	Cease all indoor and outdoor activities. Ensure stock are able to move away from vegetated areas.
	Ensure any flammable materials are stored in the dangerous goods store or a designated storage area.
	If time permits - check perimeter of all buildings and store inside all combustible, easy to move outdoor mats and furniture otherwise move them well away from buildings.
	5. CURRENT SITUATION CHECK
	BE PREPARED TO MAKE AND CHANGE DECISIONS AS NECESSARY
eve	a person onsite, you are likely to not always have access to expert guidance during different stages of a bushfire ent, if at all. Consequently, you must be prepared to take responsibility and make decisions regarding the actions ake, as best as possible.
ego	ushfire is a dynamic emergency with many variables. However, you have knowledge of the immediate situation arding local conditions, how the bushfire is impacting the site and the status of persons onsite. This is important rmation to apply to 'on the ground' practical decision making.
	en a bushfire is close to the facility/premises and/or evacuation routes, exercise greater situational awareness, gement and caution as the margin of safety is less.
3eh	se the information provided in this BEP to assist with your decision making, including Appendix 6 'Indicative Bushfire aviour To Impact the Facility/Premises' . Prior to the bushfire season, training in the use of this BEP is important paration for an emergency event.
	Try to locate the position of the bushfire on the Evacuation Routes Map (Section 7):
	 Be aware of the local wind and the direction it is blowing to, as this will indicate the direction the flame front is likely to be moving. If an internet connection is available, utilise the maps on the Emergency WA and Bushfire IO websites to locate (refer to Section 4: Emergency Information Sources). A bushfire moving directly away from the facility/premises, or an evacuation route presents a lower threat;
	 Identify If the fire is moving towards a designated evacuation route and its proximity to the route. This information will be important in making the correct choice of evacuation route should this become necessary.
	Be aware there may be more than one bushfire.
	Confirm the current Bushfire Warning level and its advice, through the relevant bushfire emergency information sources (refer to Section 4).
	Consider variations in the facility/premises operational routines that can impact the length of time to initiate and complete the evacuation procedure – including informing and preparing occupants. Refer to Section 5.3 'Evacuation Time and Transport – Persons and Vehicles'.



	Consider that you may not have enough time to initiate and fully complete the evacuation procedure, depending on the bushfire's direction and speed of movement and its location relative to the facility/premises and the evacuation routes.				
	Evacuating a proportion of occupants with the remainder sheltering in place may be a necessary outcome. The decision to evacuate and continuing to evacuate must be continually evaluated.				
	Re-evaluate the correct response procedure to be applying by using Action No. 1 in this list. In particular, Evaluation No.3 - Does a safe evacuation route remain available to use?				
	Follow the specific direction/advice of emergency services personnel if they are present on the site and providing directions.				
(6. LEAVING THE FACILITY/PREMISES/PREMISES CHECKS				
	Notify emergency services by calling triple zero (000) that the decision has been taken to evacuate the facility/premises. State the intended destination, numbers of persons and the means of transport.				
	If the offsite safer destination is a building, notify relevant persons informing them of impending arrival. State the numbers of persons and the means of transport.				
	Shut down all air conditioning and any mechanical ventilation.				
	If gas is plumbed into the building, turn off at the meter or bottles.				
	Ensure all doors and windows of all buildings are closed but left unlocked. Close fire shutters where installed.				
	It is assumed that if on the property, the owners will stay and defend.				



9.6. SHELTER IN PLACE

SHELTER IN PLACE PROCEDURE – ACTIONS TO IMPLEMENT	
DESIGNATED ONSITE SHELTER BUILDING	LOCATION
Dunmore Homestead	(shown on the Site Emergency Information Map)

1. CONTINUALLY RE-EVALUATE THE SITUATION TO ENSURE APPROPRIATE PROCEDURE IS IMPLEMENTED

EVALUATION	RESPONSE	
aluation No.1: Is the controlling agency of the	YES	Conduct Evaluation No. 2
emergency services in contact with you or are emergency services personnel in attendance at your facility/premises?	NO	Continue the Sheltering-in-Place Procedure.
Evaluation No.2: Have the relevant emergency services specifically instructed you to evacuate despite being made aware that Shelter-in-Place is the designated procedure to implement according to the Implementation Trigger in this Bushfire Emergency Plan?	YES	Commence the Safe (Early) Evacuation Procedure.
	NO	Continue the Shelter-in-Place Procedure.

2. INSTRUCT ALL PERSONS ON-SITE TO MOVE TO THE DESIGNATED ASSEMBLY AREA

	Inform all persons onsite of the conditions that have triggered the requirement to initiate the Shelter in Place Procedure.
	Instruct all persons onsite to move to the Designated Assembly Area (except those with specific bushfire responsibilities). Communicate instructions loud and clearly. Inform that briefing will take place once assembled.
	Assemble on foot- do not bring vehicles or luggage. Only bring mobile phone, other communication devices, required medicines, health/mobility aids and water.
	Account for all persons onsite. Do not assume any building on site is empty – check!
3	3. CEASE FACILITY/PREMISES OPERATIONS
	Cease all indoor and outdoor activities.
	If time permits - check perimeter of all buildings and store inside all combustible, easy to move outdoor mats and furniture otherwise move them well away from buildings.



4. NOTIFY EMERGENCY SERVICES

	Notify emergency services by calling triple zero (000), that the decision has been taken to shelter in the designated Shelter-in-Place Building.
	Describe the designated Shelter-in-Place Building and state its location (street address and site position as relevant).
	State the number of persons sheltering and if any special needs persons.
	Describe current bushfire observations – distance / direction / flames / embers / smoke / spot fires.
	Notify emergency services by calling triple zero (000) if the situation changes regarding conditions being experienced, number of persons sheltering and when the bushfire is no longer presenting a threat.
5	S. MANAGEMENT OF PERSONS
	Locate and have available the 'Occupant/Visitor Register' to identify who is on site (for operations where management is required to use person registers).
	Direct persons with health issues or mobility impairments, to enter the designated shelter-in-place building.
	Inform others that while conditions remain tenable it will likely be more comfortable to assemble in the area near to the building entry but remain outside.
	When conditions outside the designated shelter-in-place building are no longer tenable, all persons must move inside.
	Shelter in areas furthest from the fire front but ensure some visibility to what is happening outside is available, that two ways of accessing the outside is available if conditions inside become untenable and if possible, a water supply is available (e.g. laundry).
	Drink water to avoid becoming dehydrated.
	Shelter within the building for as long as possible.
	Once everyone is inside the designated shelter-in-place building, compile a record of persons by using the recording sheets stored within the building. This is to inform emergency services.



6. MANAGEMENT OF THE DESIGNATED SHELTER IN PLACE BUILDING

	If gas is plumbed into the building, turn off at the meter or bottles.
	Move furniture/combustible materials as far away from windows as possible. Fill any available containers, (e.g. sinks, baths, bins) with water. Wet materials (e.g. towels, sheets, woollen blankets) and place alongside doors/windows to block any gaps.
	If an evaporative cooler is installed, keep the water running and turn off the fan if possible
	If possible, ensure there is access (e.g. ladder) through manhole to monitor the roof space for spot fires.
	While conditions outside are not subject to excessive radiant heat, embers or smoke (i.e. tenable), keep accessible doors and windows open as necessary to manage internal conditions.
	Close all doors, windows, vents, blinds, curtains and bushfire shutters (if fitted) once all persons are required to be within the designated shelter-in-place building.
	While conditions outside are still tenable, two persons, if wearing appropriate protection from bushfire, are to make regular exterior inspection for embers and ignition of small local fires and extinguish where possible.
7	7. MONITOR
	Continue to monitor the progress of the bushfire through windows. Be aware of what is happening to assist with decision making and informing emergency services.
	Monitor the relevant Emergency Information Sources for updated information.
	Monitor the health condition of any 'at risk' persons.
8	AFTER PASSAGE OF THE FIRE FRONT
	Be aware of any embers or fires starting in materials against or close to the building. Designated onsite responsible persons to use available water supplies to douse the embers/fires if necessary.
П	If necessary, cautiously begin to open windows to maintain tenable conditions inside.



9.7. RECOVERY

RECOVERY PROCEDURE – ACTIONS TO IMPLEMENT

	1. FOR PERSONS SHELLERING ONSITE AND THE BUSHIKE IS CONTROLLED OR THE FRONT HAS PASSED				
	Always follow the directions of emergency services personnel.				
	If you have been sheltering in a building and if necessary, cautiously begin to open windows to maintain tenable conditions inside.				
	If the shelter building catches fire and conditions inside become untenable, move to an area that has already burnt.				
	If persons are in discomfort, consider evacuation if a route is available. Seek medical assistance for those requiring it e.g. smoke inhalation.				
	Monitor building/s and surrounds for any ignition of combustible material. Be prepared to initiate the Evacuation Procedure if necessary and an evacuation route is available.				
	Be aware of any embers or fires starting in materials close to the building. Use available water supplies to douse the embers/fires if necessary.				
:	2. FOR PERSONS EVACUATED TO A SAFER OFFSITE DESTINATION				
	Always follow the directions of emergency services personnel.				
	Seek medical assistance for those requiring it.				
	No person is to re-enter any evacuated building or site until advised by the relevant emergency service that it is safe.				
	The facility/premises management is to arrange inspection of the site to ensure a safe environment before return of any persons.				



APPENDIX 1: BUSHFIRE WARNINGS - WHEN A BUSHFIRE IS IDENTIFIED





EMERGENCY WARNING

An out of control fire is approaching fast and you need to take immediate action to survive. If you haven't prepared your home it is too late.

You must seek shelter or leave now if it is safe to do so.



WATCH AND ACT

A fire is approaching and there is a possible threat to lives or homes. Put your plan into action. If your plan is to leave, make sure you leave early. If your plan is to stay, check all your equipment is ready.

Only stay and defend if you are mentally and physically prepared.



ADVICE

A fire has started but there is no immediate danger. Stay alert and watch for signs of a fire.

Be aware and keep up to date.

Where can I get information during an emergency?

emergency.wa.gov.au 9 13 DFES (13 33 37)









APPENDIX 2: FIRE DANGER RATINGS - FORECAST BUSHFIRE RISK

THE HIGHER THE RATING, THE MORE DANGEROUS THE CONDITIONS AND THE GREATER THE CONSEQUENCES IF A FIRE STARTS.



Moderate: Plan and prepare.

Most fires can be controlled. Stay up to date and be alert for fires in your area.

High: Be ready to act.

Fires can be dangerous. Decide what you will do if a fire starts. Leave bushfire risk areas if necessary.

Extreme: Take action now to protect your life and property.

Fires will spread quickly and be extremely dangerous. Put your bushfire plan into action. If you and your property are not prepared to the highest level, plan to leave early.

Catastrophic: For your survival, leave bushfire risk areas.

These are the most dangerous conditions for a fire. If a fire starts and takes hold, lives are likely to be lost. Homes cannot withstand fires in these conditions.

- 0
- When there is minimal risk, Fire Danger Ratings will be set to 'No Rating'.

 On these days you still need to remain alert and abide by local seasonal laws and regulations.
- Monitor conditions and emergency.wa.gov.au for ratings and bushfire warnings. If a fire starts near you, take action immediately to protect your life. Do not wait for a warning.



Your life may depend on the decisions you make, even before there is a fire. Create or review your bushfire plan at mybushfireplan.wa.gov.au



This publication is intended to be a guide only. While every effort is made to ensure actions or the time of politication (PES) makes no representation about the combine or wall ability of the internation prevents. (PES as series by disclosing locality for any set or contains done or not done in the relation excitor in between the many of the property of the prope











APPENDIX 3: FIRE BEHAVIOUR INDEX - FORECAST BUSHFIRE RISK





While the AFDRS Fire Danger Ratings are primarily intended for community messaging, the Fire Behaviour Index is intended to support operational fire management decision making.

Features of the FBI:

A Fine Scale of Fire Behaviour

The FBI is expressed in whole numbers from 0 to 100+. As the FBI rises, the more dangerous a fire that stars will become.

Takes advantage of decades of improved understanding of fire behaviour, fuels and fire weather.

Stepped Categories

Links transitions in fire behaviour to implications for operational decision making.

Turns the FBI into a powerful operational tool and takes advantage of improved understanding of relationship between fire behaviour, fire spread, suppression and impacts.

Fuel Type Specific

Eight different Fire Behaviour Indexes based on eight different fire behaviour models. Takes advantage of decades of improved knowledge of fire behaviour in different fuels to produce more specific results.

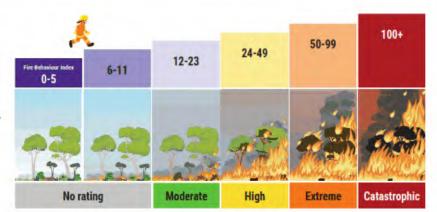
Nationally Consistent

The index is the same anywhere in Australia.

Supports cross border operations and resource sharing.

The Stepped categories are controlled by tables that define FBI thresholds. The thresholds represent changes in the underlying fire behaviour that have consequences for fire operational decision making, including:

- Indicative fire behaviour and fire weather.
- Implications for prescribed burning.
- Fire suppression and containment strategies that are appropriate.
- Potential for impact on life, property and infrastructure.





For more information visit <u>afac.com.au/initiative/afdrs</u> or email <u>AFDRS@dfes.wa.gov.au</u>

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APPENDIX 4: BUSHFIRE RISKS AND DANGERS





BUSHFIRES HAPPEN EVERY SUMMER; THEY CAN START SUDDENLY AND WITHOUT WARNING.

If you live in or near bushland you need to understand the risks and dangers that bushfires cause. Remember that flames are not the only risk you face in a bushfire.







EMBER ATTACK

Ember attack occurs before, during and The hotter, drier and windier the day, after a fire front passes.

Embers are pieces of burning bark, leaves or twigs that are carried by the wind around the main fire creating spot fires.

Spotting can be carried over half a kilometre from a fire.

Embers can land in areas around your home such as your garden, under or in the gutters of your home and on wooden decks.

If not extinguished, your house could catch fire.

RADIANT HEAT

the more intense a bushfire will be and the more radiant heat it will generate.

Radiant heat can cause injury and death from burns and cause the body's cooling system to fail, leading to heat exhaustion and possible heart failure.

It is important that you include water and appropriate clothing in your emergency kit and consider where you will shelter during a bushfire to protect vourself from radiant heat.

SMOKE

Lung injuries and suffocation can occur where the body is exposed to smoke and super-heated air.

It is important to seek shelter when heat and smoke are most intense.

Your nose and mouth should be covered with a dust mask, wet towel or scarf.

A special filter mask should be included in your survival kit for people in your family who suffer respiratory conditions such as asthma.

dfes.wa.gov.au/bushfire Community.Preparedness@dfes.wa.gov.au or 9395 9816









APPENDIX 5: GUIDELINES FOR TRAVELLING IN CARS DURING A BUSHFIRE





BUSHFIRES CAN START WITHOUT WARNING. People have been killed or seriously injured during bushfires. If you are travelling or staying near bushland, fire is a real risk to you. Pack an emergency kit including important items such as woollen blankets, drinking water and protective clothing.







IF THERE IS A LOT OF SMOKE

- Slow down as there could be people. vehicles and livestock on the road.
- Turn your car headlights and hazard lights on.
- Close the windows and outside vents.
- If you can't see clearly, pull over and wait until the smoke clears.

IF YOU BECOME IMPORTANT TRAPPED BY A FIRE INFORMATION

Sheltering inside a vehicle is a very high risk strategy. It is unlikely that a person will survive in all but the mildest circumstances.

- Park the vehicle off the roadway where there is little vegetation, with the vehicle facing towards the oncoming fire front.
- Turn the engine off.
- O Close the car doors, windows and outside vents, and call 000.
- Stay in the car until the fire front has passed. Stay as close to the floor as possible and cover your mouth with a damp cloth to avoid inhalation of smoke.
- Stay covered in woollen blankets. continue to drink water and wait for assistance.
- Once the front has passed and the temperature has dropped. cautiously exit the vehicle.

- Find the local ABC radio frequency in the area. Stay up to date in a major emergency, when lives and property are at risk, ABC radio will issue broadcast warnings at a quarter to and a quarter past the hour.
- Main Roads provides updated information on road closures throughout WA. Call 138 138 or www.mainroads.wa.gov.au
- Check the weather forecast and current fire restrictions. Be aware of the Fire Danger Rating for the area you are travelling to and be prepared to reassess your plans.
- O Download the Bushfire Traveller's Checklist at www.dfes.wa.gov.au

dfes.wa.gov.au/bushfire

Community.Preparedness@dfes.wa.gov.au

or 9395 9816









APPENDIX 6: INDICATIVE BUSHFIRE BEHAVIOUR TO IMPACT THE FACILITY/PREMISES

Information Relevance: This information is included in the Bushfire Emergency Plan to inform and assist the decision making of those persons onsite who have the responsibility to manage a bushfire emergency for the subject facility/premises.

The information establishes the key factors to be considered in understanding the types and scale of key bushfire behaviours that can be expected to impact the facility/premises on a given day. These factors are the type of vegetation that exists on the land surrounding the subject premises/facility, the relevant surrounding terrain, and the forecast Fire Danger Rating (FDR) that applies to the locality.

Information Source: The information is taken from the bushfire behaviour modelling applied within the **Australian Fire Danger Rating System (AFDRS).** Within this system, eight accepted bushfire behaviour models, describing mathematically the way fire moves and spreads through different vegetation types, are currently available and are applied to twenty two different vegetation types across Australia.

The modelling is used to derive the Fire Behaviour Index (FBI) that assists firefighting operational decision making. From the FBI, Fire Danger Ratings (FDR) are derived which provide the broad categories needed to communicate fire danger to the community. The determination of the daily FDR considers the vegetation types present and the forecast fire weather conditions. The higher the rating, the more dangerous the conditions and the greater the consequences if a fire starts. (Source: AFDRS project led by NSW RFS, Australian Bureau of Meteorology and AFAC).

The Fire Behaviour Triangle

The behaviour of a bushfire, including the types of threats, intensity and how quickly it moves, depends on the three factors of vegetation, weather and terrain.

This is known as the fire behaviour triangle – because all three factors combine to shape the characteristics of the bushfire (source: CSIRO 'Bushfire best practice guide' at ... research.csiro.au/bushfire/).

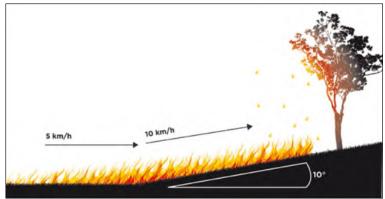
The influence of fire weather (FDR) and vegetation types (as per AFDRS) on the potential bushfire impact to the subject facility/premises, can be derived from the tables presented on the following page(s). Greater fuel loads will result in behaviours at the higher end of stated values.

The influence of terrain can be derived by considering the existence and degree of sloping ground and changes in changes in relief (e.g., flat,

undulating or rugged land), surrounding the subject facility/premises and particularly under the vegetation.



A fire will burn faster uphill. This is because the flames can easily reach more unburnt fuel in front of the fire. Radiant heat pre-heats the fuel in front of the fire, making the fuel even more flammable.



(source: Country Fire Authority, Victoria).

For every 10° slope, the fire will double its speed. For example, if a fire is travelling at 5 km per hour along flat ground and it hits a 10° slope it will double in speed to 10 km per hour up the hill. By increasing in speed the fire also increases in intensity, becoming even hotter.

The opposite applies to a fire travelling downhill. The flames reach less fuel, and less radiant heat pre-heats the fuel in front of the fire. For every 10° of downhill slope, the fire will halve its speed. Fires tend to move more slowly as the slope decreases

Terrain should be considered for its potential to increase adverse fire behaviour including flame heights, forward rates of spread and ember production (in relevant vegetation i.e., primarily bark fuels). Essentially, where vegetation exists on sloping land near your site, assume that the higher end of adverse fire behaviours is much more likely to apply.



BPP: Identify the relevant fire behaviour models and associated indicative fire behaviour information. Delete non-relevant rows of the table and non-relevant indicative fire behaviour posters.

VEGETATION TYPES IDENTIFIED SURROUNDING THE SUBJECT FACILITY/PREMISES		
As Applied in the AFDRS		Variable of the Burney Control of the Control of th
Fire Behaviour Model (short name)	Fuel Types / Description	Vegetation Location Relative to the Facility/Premises
Forest	Dry eucalypt forests, shrubby understorey/litter surface fuel. Forests with high moisture content due to structure, topography or inundation.	
Shrubland	Temperate shrublands and heathlands of varying heights. Includes wet heathlands.	
Grassland	Continuous/tussock grasslands. Modified/native pasture (grazing). Non- irrigated cropping. Low shrublands (wet or arid) with no overstorey.	



FOREST

THE INDICATIVE FIRE BEHAVIOUR CORRESPONDING TO THE FIRE BEHAVIOUR INDEX (0-100) AND THE ASSOCIATED FIRE DANGER RATING (FDR)



FDR

INDICATIVE BUSHFIRE BEHAVIOUR

RATE OF MAX SPREAD FLAME HEIGHT 0-40 <1 m m/hr **NO RATING** 6-11 20-110 <4 m m/hr 12-23 60-600 2-8 m **MODERATE** m/hr 24-49 0.3-1 7-14 m HIGH km/hr **EXTREME** >2 km/hr >30 m (approx. can be double **CATASTROPHIC** expected, forest possibly height) >3 km/hr

Fire difficult to ignite and sustain.

Fires generally unlikely to spread and likely to selfextinguish.

Slow spreading fires, typically involving surface and near-surface fuels and sometimes bark and elevated fuels

Spotting is sporadic and limited to short-distances.

Actively spreading fires typically involving surface, near-surface, elevated and bark fuel layers and occasionally canopy fuels.

Low-moderate spotting frequency; isolated medium range spotting can occur.

Rapidly spreading fires with potential for development into large burn areas within burning period. Fires typically involving most fuel layers. Short-range spotting is prevalent, with possibility of medium range and occasional long-range distance spotting.

Fires likely to quickly transition to crowning.

Possibility for fire behaviour to become erratic and plume driven.

Strong convective column formation.

Wind speed and direction likely to be erratic at times.

Fires likely to quickly transition to crowning.

Possibility for fire behaviour to become erratic and plume driven.

Strong convective column formation.

Wind speed and direction likely to be erratic at times

SPOTTING POTENTIAL

Potential for any spotting is very limited and likely <150 m

Potential for spotting is limited with short distance spotting possible up to **400 m**

Short distance spotting occurring with increasing frequency with possible medium distance spotting up to 2 km

Short and medium distance spotting occurring with increasing frequency with possible long distance spotting up to 4 km

High ember density in short and medium range with possible long distance spotting up to 12 km

High ember density in short and medium range with possible long distance spotting occurring **20-30 km** ahead of the main fire front



SHRUBLAND

THE INDICATIVE FIRE BEHAVIOUR CORRESPONDING TO THE FIRE BEHAVIOUR INDEX (0-100) AND THE ASSOCIATED FIRE DANGER RATING (FDR)



Source: AFDRS v. 2022_6

FDR	INDICATIVE BUSHFIRE BEHAVIOUR			
NO RATING	MAX FLAME HEIGHT <0.5 M	RATE OF SPREAD 0-20 m/hr	Flame dimensions are generally insufficient to breach sparse and discontinuous fuels or interhummock gaps.	SPOTTING POTENTIAL Potential for any spotting is extremely limited
NO RATING	6-11 <0.5-1.5 m	20-150 m/hr	Sustained spread of fire.	Potential for spotting is limited
MODERATE	12-23	150-1300 m/hr	Fast moving, wind-driven fires that are mostly actively crowning.	Potential for spotting is limited except where eucalypt/mallee trees are present where spotting is likely to be minimal and limited
HIGH	24-49 2-8 m	up to 6.5 km/hr	Fast moving, wind-driven, crown fires with high potential for large fire areas. Mostly complete combustion of fuels and few unburnt patches.	Possible short distance spotting mostly <20 m or where eucalypt/mallee trees are present where spotting is likely to be minimal and limited to short distances (<100 m). Any spot fires are typically overrun by the main head fire
EXTREME	>4m and	>1.5 and likely >6.5	Rapid fire growth, extremely fast moving, wind- driven fires. High potential for large fire areas with complete combustion of fuels and few unburnt patches.	Possible short distance spotting mostly <40 m except where eucalypt/ mallee trees are present where spotting may be up
CATASTROPHIC	likely >8m	km/hr		to 200 m with spot fires typically quickly overrun by the main head fire



GRASSLAND

THE INDICATIVE FIRE BEHAVIOUR CORRESPONDING TO THE FIRE BEHAVIOUR INDEX (0-100) AND THE ASSOCIATED FIRE DANGER RATING (FDR)

Source: AFDRS v. 2022_6



FDR INDICATIVE BUSHFIRE BEHAVIOUR Fire difficult to ignite and sustain. 0-5 SPOTTING Fires generally unlikely to spread and likely to self-RATE OF MAX POTENTIAL extinguish. SPREAD FLAME Potential for any HEIGHT 0-30 spotting is very <1 m m/hr limited. **NO RATING** Fire easily sustained. 6-11 Typically wind driven fires that can spread quickly. Potential for spotting Potential for short km/hr <1.5 m distance spotting is limited. Typically wind driven and rapidly spreading fires Possible short 12-23 with the potential to gain size quickly. distance spotting occurring. 0.5-6 **MODERATE** 1.5-2.5 m km/hr Wind driven, rapidly spreading fires with potential Short distance 24-49 for development into large fire area/size and with spotting occurring the potential for short distance spotting and long with increasing 2.5-10 flame lengths. frequency. HIGH 2-3 m km/hr Extremely rapid fire growth and increasing Likely short distance 50-99 likelihood of large final fire area/size. Possibility for spotting occurring fire behaviour to become erratic and plume driven. with increasing Strong convective column formation. Wind speed frequency. **EXTREME** and direction likely to be erratic at times. Extremely rapid fire growth and high likelihood Likely short distance 100+ >8 km/hr of large final fire area/size. Possibility for fire spotting occurring behaviour to become erratic and plume driven. can be with increasing Strong convective column formation. Wind speed >3m expected, frequency. CATASTROPHIC and direction likely to be erratic at times. possibly >16 km/hr



APPENDIX 7: LANDSCAPING DESIGN & CONSTRUCTION PRINCIPLES TO APPLY

Where initial or renovation landscaping of grounds surrounding the facility/premises is being conducted, apply the directions and principles of the following measures to the greatest extent possible.

For additional guidance, refer to:

- The Guidelines for Planning in Bushfire Prone Areas within the Explanatory Notes for Element 2 of the Bushfire Protection Criteria and Schedule 1: Standards for Asset Protection Zones (WAPC 2021); and
- The DFES 'Bushfire Preparation Toolkit' publication. Website: publications.dfes.wa.gov.au/?hazard=Bushfire

☐ Use of Non-Vegetated Areas and/or Public Open Space:

Reduce the exposure of the facility/premises to the direct and indirect threats of bushfire by incorporating low threat uses of land adjoining the facility/premises and/or the bushfire hazard. These uses create robust and easier managed asset protection zones and include:

- Non-vegetated areas e.g. footpaths, paved areas, roads, driveways, parking, drainage, swimming pools;
- Formally managed areas of vegetation (public open space and other recreation areas), including irrigated areas; and
- Services installed in a common section of non-vegetated land.

Landscaping - Non-Combustible Construction: Ensure non-combustible materials are used for fencing and an
other landscaping construction, including retaining walls.

☐ Landscaping – Tree and Plant Species Selection

Utilise trees and plants with characteristics that are more resistant to burning. Refer to Guidelines for Planning in Bushfire Prone Areas, Appendix 4 'Explanatory Notes E2: Plant Flammability' (WAPC 2021) for initial guidance.

Avoid planting trees with ribbon or stringy barks (ember/firebrand production). Preference for smooth bark.

Landscaping – Tree and Plant Separation from the Facility/Premises (Location):

Trees (greater than 6 metres in height: Minimise the potential for tree strike damage (falling or blown) to the facility/premises (allowing flame, radiant heat and ember entry to internal spaces), and debris accumulation on, in and around the facility/premise. Principles to apply are:

- Ideally trees will be separated from buildings/structures by a distance of at least 1.5 times the height of the tallest tree;
- As a minimum, trunks at maturity should be at least 6 metres from all elevations of the building, branches
 at maturity should not touch or overhang a building or powerlines. Mature tree canopies should be
 separated at least 5m with total canopy cover not exceeding 15% and not connected to tree canopy
 outside the APZ;
- Species of trees that produce significant quantities of debris (fine fuels) during the bushfire season should be located a sufficient distance away from vulnerable exposed elements to ensure debris cannot drop and accumulate within at least 4m of buildings/structures or be likely to be relocated by wind to closer than 4m to buildings / structures.

Shrubs and scrub (0.5 metres to 6 metres in height):



- Should not be located under trees or within 3 metres of buildings;
- Should not be planted in clumps greater than 5m² in area;
- Clumps of shrubs should be separated from each other and any exposed window or door by at least 10 metres (unless they can be classified as low flammability plants); and
- Shrubs greater than 6 metres in height are to be treated as trees.

Ground covers (less than 0.5 metres in height):

- Can be planted under trees but and no closer than two metres from a structure but 3 metres from doors or windows if greater than 100 mm in height; and
- Ground covers greater than 0.5 metres in height are to be treated as shrubs.

Grass: Where possible utilise irrigated perennial species.

Mulches should be non-combustible e.g., stone, gravel and crushed rock. Where wood mulch is used it should be greater than 6mm in thickness.

Separation Between the Facility/Premises and the Consequential Fire Fuels of Stored Flammable Products (Fuels / Other Hazardous Materials):

If applicable, establish sufficient separation distance between the consequential fire fuels and the facility/premises. The required separation distance will be dependent on the fuel and storage type and will need to be determined.

Separation Between the Facility/Premises and the Consequential Fire Fuels of Stored and Constructed Combustible Items:

These consequential fire fuels include:

- Stored Combustible Items Heavy Fuels (greater than 6mm diameter) e.g. building materials, packaging materials, firewood, branches, sporting/playground equipment, outdoor furniture, garbage bins etc:
- Stored Combustible Items Large Heavy Fuels e.g. vehicles, caravans, boats, trailers and large quantities of dead vegetation materials stored as part of site use.
- Constructed Combustible Items Heavy Fuels e.g. landscaping structures including fences, screens, walls, plastic water tanks.
- Constructed Combustible Items Large Heavy Fuels e.g. adjacent buildings/structures including houses, sheds, garages, carports. (Note: If the adjacent structure is constructed to BAL-29 requirements or greater and can implement a significant number of additional bushfire protection measures associated with reducing exposure and vulnerability, these minimum separation distances could be reduced by 30%).

Apply the rule of thumb "assume flames produced from a consequential fire source will be twice as high as the object itself ... where the consequential fire source is a structure, then the maximum eave height is a reasonable measure of maximum height".

Apply the following separation distances from the subject building/structure as a multiple of the height of the consequential fire source and dependent on the bushfire construction standard applied to the building/structure:

- At least six times the height when the facility/premises construction incorporates design and materials that is only intended to resist low levels of radiant heat up to 12.5 kW/m² and no flame contact (BAL-12.5);
- Between 4 and 6 six times the height when the facility/premises construction incorporates design and materials intended to resist radiant heat up to 29 kW/m² and no flame contact (BAL-29).
- Between 2 and 4 times the height when the facility/premises construction incorporates design and materials intended to resist up to 40kW/m² and potential flame contact (BAL-40).



- Less than 2 times the height when the facility/premises construction incorporates design and materials intended to resist extreme levels of radiant heat and flame contact (BAL-FZ).
- Zero separation distance is required if the facility/premises is separated by a non-combustible FRL 60/60/60 rated wall, or the potential consequential fire source is fully enclosed by the facility/premises.

Constructed Barriers to Shield Facility/Premises from Bushfire: Where applicable, install walls, fences and/or landforms to shield the facility/premises (or any identified consequential fire fuels – refer to previous item) from direct and indirect bushfire attack mechanisms and reduce the potential impact of these threats.
These barriers should be constructed using appropriate fire resistant / non-combustible construction materials (e.g. masonry, steel, earthworks). These are to withstand the impact of direct bushfire attack mechanisms for the required period.
Constructed Barriers to Shield Facility/Premises from Consequential Fire: Applicable to all identified consequential fire fuel sources. Install a non-combustible barrier (including complete enclosure when appropriate), of required robustness, that will reduce the exposure of the facility/premises to the threats of consequential fire.
Planted Vegetation Barrier to Shield Facility/Premises: Use appropriate species (lower flammability) of hedges and trees strategically to reduce the facility/premises exposure to radiant heat, to filter/trap embers and firebrands, and to lower wind speeds (prevailing synoptic and/or fire driven).
Shield Non-Structural Essential Elements: These are vulnerable elements essential to the continued operation of the facility/premises which are potentially exposed to the fire attack mechanisms of both bushfire and consequential fire. They include electricity cabling and water plumbing and also applies to any installed firefighting equipment / water storage.
When the use of fire rated materials to the degree necessary is not possible or practical, the application of non-combustible shielding can be applied to reduce exposure to the bushfire threats. Shielding includes underground installation.
Constructed Barrier to Shield Persons on Pathways to Safer Onsite Area/Building: Where possible, alongside the relevant pathways, utilise walls / fences / landforms as shielding structures constructed using fire resistant / non-combustible construction materials (e.g. masonry, steel, earthworks).
These are to withstand the impact of direct bushfire attack mechanisms for the required period and provide the required reduction in threat levels to persons (including firefighters) traversing the pathway.

BUSHFIRE EMERGENCY INFORMATION

Dunmore Farm, 25 Woodarburrup Coast Road, Scott River East

THE PRIMARY EMERGENCY PROCEDURE TO FOLLOW FOR THIS PREMISES IS SAFE (EARLY) EVACUATION

Trigger to Evacuate: A bushfire is identified relatively close, and a bushfire EMERGENCY or WATCH AND ACT warning may or may not be issued. You are concerned for your safety.

Procedure: Call 000 to report bushfire if no warnings current. Cease all activities, shut all doors/windows, turn off air conditioners, turn off bottled gas and move to assembly area designated on the adjacent map. Prepare vehicles. Check information sources for latest updates, dial 000 if unsure. Re-evaluate the situation to ensure evacuation routes remain available (if not, follow shelter in place procedure below). Follow emergency services instructions if they are present.

ELEVATED THREAT PROCEDURE

Trigger to Act: A bushfire is identified a considerable distance away, and a bushfire ADVICE warning may or may not be issued but you are concerned for your safety.

Procedure: Call 000 to report bushfire if no warnings current. Ensure everyone at the premises is aware of the situation, closely monitor the information sources and the changes outside. If the current Fire Danger Rating is Catastrophic or Extreme or persons have health conditions, consider pre-emptively leaving the accommodation and travel to a lower threat area for the day.

SHELTER-IN-PLACE PROCEDURE

Trigger to Shelter: Impact from bushfire is imminent, evacuation routes are threatened and there is no time to perform a safe (early) evacuation <u>or</u> emergency services have instructed you to shelter in place.

Procedure: Call 000 to report the bushfire and tell them you are sheltering in place. Shut all doors/windows, turn off air conditioners, turn off bottled gas, move all combustible materials away from windows, wet materials to block gaps around door. Drink plenty of water, stay aware of what is happening, and monitor information sources.

The detailed emergency management procedures for this premises are established in the Bushfire Emergency Plan located in the Guest compendium with the provided Guest

FORECAST FIRE DANGER RATINGS



The higher the rating, the more dangerous the conditions and the greater the consequences if a fire starts.

No Rating	No Action Required		
Moderate	Plan and Prepare		
High	Be Ready to Act		
Extreme	Take Action Now to Protect Your Life and Property		
Catastrophic	For Your Survival, Leave Bush Fire Risk Areas		

BUSHFIRE EVENT WARNINGS





WATCH AND ACT

There is a possible threat to lives or homes.

You need to leave or get ready to defend - do not wait and see.



EMERGENCY WARNING

There is a threat to lives or homes.

You are in danger and need to take immediate action to survive

000
Fire or Life Threatening
Emergencies



Alerts and Warnings emergency.wa.gov.au

13 3337 DFES Emergency Information 132 500 SES Emergence Assistance

13 13 51 Western Power

@dfeswa DFES Facebook WRadio Local ABC

Shire of Nannup: 9756 1018

Nannup Hospital (08) 9756 3800

Margaret River Hospital (08) 9757 0400

Evacuation Route 1. Margaret River Recreation Centre. Depart property and turn right onto Woodarburrup Road, at the bend this becomes Milyeannup Coast Road. Head north and left onto Stewart Road, left onto Brockman Highway, right onto Bussell Highway, left onto Wallcliffe Road until the Cultural Centre has been reached on your left.

Evacuation Route 2. Nannup Recreation Centre. Depart property and turn right onto Woodarburrup Road, at the bend this becomes Milyeannup Coast Road. Head north on Milyeannup Coast Road, left onto Stewart Road, right onto Brockman Highway, left into the Recreation Centre carpark next to the football oval in Nannup.

