

Bush Fire Advisory Committee **MINUTES**

Section 67 of the Bush Fires Act 1954

Committee Brief:

To provide advice to the local government on matters pertaining to obligations contained within the Bush Fires Act, organising, managing, resourcing and training volunteer bush fire brigades.

General Meeting of Bush Fire Advisory Committee Held in Council Chambers 5.00 pm Tuesday 2 May 2017

Council Members: Community Members:	Cr Rayner, Cr Twine, Cr Welburn Chief Bush Fire Control Officer, Deputy Bush Fire Control Officer (DBFCO) 1, Bejoording Brigade Representative, Morangup Brigade Representative,
	Coondle-Nunile Representative, Julimar Brigade
	Representative, Toodyay Central Brigade
	Representative, Toodyay Volunteer Fire & Rescue
	Representative, Fire Control Officer Representative,
	Representative, Department of Parks & Wildlife
	Representative, Department of Fire & Emergency
	Services (DFES) Representative
Staff Members:	S Scott - CEO, R Koch – DBFCO 2 & CESM,
Deputies:	Cr Chitty, Cr Greenway

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 2 MAY 2017

Distribution

These minutes of meeting were approved for distribution on 3 May 2017

3 May 2017.

Stan Scott CHIEF EXECUTIVE OFFICER

Please Note: These Minutes will remain "Unconfirmed" until the next Bush Fire Advisory Committee Meeting, where the Minutes will be tabled and confirmed subject to any amendments made by the Committee.

The "Confirmed" Minutes are then signed off by the Chairperson.

Attachments that formed part of the Agenda, in addition to those tabled at the Meeting are incorporated into a separate attachment to these Minutes.

Confirmation
These minutes of meeting were confirmed at a meeting held
These minutes of meeting were confirmed at a meeting held on 1.51. August 2017.
A
Signed:
Note: The Presiding Member at the meeting at which the minutes were confirmed is the person who signs above.

Information about this Committee is located on the website at http://www.toodyay.wa.gov.au/Council/Council-Meetings/Council-Committees/Bush-Fire-Advisory-Committee

Minutes can be found on the website at <u>http://www.toodyay.wa.gov.au/Council/Council-Meetings/Agendas-Minutes-and-Notes</u>

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 2 MAY 2017

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Shire of Toodyay

MINUTES

1. OPENING PROCEDURES

Cr Rayner, Chairperson, declared the meeting open at 6.00pm.

1.1 Announcement of Visitors

Nil

1.2 Record of Attendance and Apologies

<u>Members</u>

<u>IMEITIDEI S</u>	
Cr B Rayner	Council Member
Mr C Stewart	Chief Bush Fire Control Officer (CBFCO)
Mr R Hunter	Deputy Bush Fire Control Officer (DBFCO) 1
Mr B Grey	Bejoording Brigade Representative
Mr S Gamble	Morangup Bush Fire Brigade Representative
Mr C Stevens	Coondle-Nunile Brigade Representative
Mr P Sapwell	Julimar Brigade representative
Mr M McKeown	Toodyay Central Bush Fire Brigade representative
Mr I McGregor	Volunteer Fire & Rescue (Toodyay) representative
Mr S Scott	Chief Executive Officer
<u>Staff</u>	
Mrs M Rebane	Executive Assistant
Mr G Warburton	Reserves Management Officer
<u>Apologies</u>	
Mr R Koch	Community Emergency Services Manager (CESM)
Mr T Bendtsen	Department of Fire & Emergency Services (DFES)
Cr E Twine	Council Member

Members of the Public

D Bartels

2. TABLING OF MINUTES AND STATUS REPORT

2.1 Minutes of Meeting held on 7 February 2017

OFFICER'S RECOMMENDATION/BFAC RESOLUTION NO ##/05/17

MOVED C Stewart

That the Unconfirmed Minutes of the Bush Fire Advisory Committee Meeting held on 7 February 2017 be confirmed subject to an amendment to the spelling of C Stewart's name.

MOTION CARRIED

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 6 FEBRUARY 2017

2.2 Matters arising from previous minutes

Nil

2.3 Review of the BFAC Status Report

Nil

3. PRESENTATIONS OR EVENTS

Nil

4. **REPORTS FROM SHIRE OFFICERS**

4.1 Report(s) from CESM

4.1.1 Review of Firebreak Order

Date of Report:	21 April 2017			
File Reference:	FIR12			
Author:	R Koch - CESM			
Responsible Officer:	S Scott – CEO			
Attachments 1&2 (hardcopy):	 Out of Session Feedback Log; and Proposed Educational Material attachments 			
Attachment 3 (electronic):	https://www.planning.wa.gov.au/dop_pub_pdf/Bushfire_ Guidelines_V1.1_appendices_Feb2017_4.pdf			
Attachment 4 (electronic):				
Attachment 5 (electronic):	http://www.toodyay.wa.gov.au/Profiles/toodyay/Assets/Cl ientData/Firebreak_Notice_2016-2017_with_bleed.pdf			

PURPOSE

To review the new Firebreak Notice.

BACKGROUND

At the February 2017 BFAC the CESM tabled a proposal for a new Firebreak Notice, with out of session feedback call for by 31 March 2017.

This report's attachments contain a draft report to council the outlining reasons supporting a new Firebreak Notice – please refer to the attached draft council report for particulars of the proposal.

The officer has also included the following additional attachments supporting this report:

- Appendix A Out of Session Feedback Register
- Appendix A Associated Educational Material

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 6 FEBRUARY 2017

The Officer requests that BFAC resolve to make a recommendation to Council to adopt a new Firebreak notice.

Due to meeting and printing schedules ahead of issuing of rates notices (the standard distribution method) the officer requests that a recommendation to council is made during this sitting of BFAC to ensure it may be implemented for the upcoming fire season.

OFFICER COMMENT

As per our discussion yesterday I have attached the following:

- Report for BFAC (requesting consideration of the draft council report)
- Draft Council Report
- Register of Feedback request from BFAC (Out of Session)
- Draft Fuel Load Educational Material

As foreshadowed above I'm seeking a recommendation from BFAC with the intent of putting a recommendation to Council's May meeting.

As I will be on leave for BFAC (and council agenda settlement) I will be making arrangements with Maria for inclusion in both BFAC and Council agendas.

There is a risk of BFAC making a differing recommendation thus I may need to touch base during my leave should we need to present a BFAC and Officers recommendation to council.

I will be present for Council's May meeting.

Should you have any further comment, please let me know ASAP so I can have it reflected in the relevant agendas'.

OFFICER'S RECOMMENDATION

MOVED

The Bush Fire Advisory Committee recommends to Council the following:

That Council endorses the new Firebreak Notice, to commence 1 November 2017, detailed as follows:

Pursuant to Section 33 of the Bush Fires Act 1954, all residents and ratepayers within the Shire of Toodyay are required to comply with the requirements set out in this notice.

Due Date: 1 November Annually

Maintained Until: 30 April Annually

NB: If you purchase land during this period you have 14 days from purchase to comply with this order.

Failure to comply may result in a fines or prosecution

All land less than or equal to 1 hectare

1.1 All land with an area less than 1 hectare (2.47 acres) are required to be fire hazard reduced by ensuring:

	 grass height does not exceed 100mm; and no trop growns overhang the building; and
	 no tree crowns overhang the building; and total available fuel load is maintained at 2 tonnes per hectare or lower.
All la	and greater than 1 hectare
2.1	Land up to and including 200 hectares in size shall have a fire break cleared and maintained within 10 metres of the externa boundary.
2.2	Land exceeding 200 hectares in shall have fire breaks cleared and maintained as to divide the property into 200 hectare parcels o land.
2.3	A firebreak shall be cleared and maintained within 7 metres from external walls of buildings and around haystacks and fuel storage areas.
2.4	A 20 metre wide Asset Protection Zone (low fuel area) shall be maintained from external walls of buildings and around haystacks fuel storage areas such that:
	 grass height does not exceed 100mm; and
	 no tree crowns overhang the building; and
	- total available fuel load is maintained at 2 tonnes per hectare or lower.
2.5	A fire break shall be cleared and maintained immediately surrounding a stationary motor.
DEF	FINITION: Fire break – An area cleared of all inflammable materials 3 metres horizontally (wide) and 4 metres vertically (high).
Ste ^v	wart moved the Officer's Recommendation with an amendment

R Hunter seconded the motion.

The motion was put.

OFFICER'S RECOMMENDATION/BFAC RESOLUTION NO 02/05/17

MOVED C Stewart

SECONDED R Hunter

The Bush Fire Advisory Committee recommends to Council the following:

That Council endorses the new Firebreak Notice, to commence 1 November 2017, detailed as follows:

Pursuant to Section 33 of the Bush Fires Act 1954, all residents and ratepayers within the Shire of Toodyay are required to comply with

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 6 FEBRUARY 2017

the requirements set out in this notice.

Due Date: 1 November Annually

Maintained Until: 30 April Annually

NB: If you purchase land during this period you have 14 days from purchase to comply with this order.

Failure to comply may result in a fines or prosecution

All land less than or equal to 1 hectare

- 1.1 All land with an area less than 1 hectare (2.47 acres) are required to be fire hazard reduced by ensuring:
 - grass height does not exceed 100mm; and
 - no tree crowns overhang the building; and
 - total available fuel load is maintained at 2 tonnes per hectare or lower.

All land greater than 1 hectare

- 2.1 Land up to and including 200 hectares in size shall have a fire break cleared and maintained within 10 metres of the external boundary.
- 2.2 Land exceeding 200 hectares in shall have fire breaks cleared and maintained as to divide the property into 200 hectare parcels of land.
- 2.3 A firebreak shall be cleared and maintained within 7 metres from external walls of buildings and around haystacks, solar panels and fuel storage areas.
- 2.4 A 20 metre wide Asset Protection Zone (low fuel area) shall be maintained from external walls of buildings and around haystacks, fuel storage areas such that:
 - grass height does not exceed 100mm; and
 - no tree crowns overhang the building; and
 - total available fuel load is maintained at 2 tonnes per hectare or lower.
- 2.5 A fire break shall be cleared and maintained immediately surrounding a stationary motor.
- **DEFINITION:** Fire break An area cleared of all inflammable materials 3 metres horizontally (wide) and 4 metres vertically (high).

MOTION CARRIED

4.2 Report(s) from CEO

Nil

5. BRIGADE UPDATES AND REPORTS

5.1 Roundtable discussion

5.1.1 Morangup

Nil

5.1.2 Julimar

AGM on 10 June 2017.

Posting positions up. Closing a week before and allowing proxy votes.

5.1.2 Bejoording

AGM 18 July 2017 6.00pm

5.1.3 Fire and Rescue Services

Lost some younger members.

5.1.3 Central

23 May 2017 AGM. Several new members. Early opening.

5.1.4 Coondle

- AGM in April. All positions stayed the same.
- One lieutenant swapped with someone else.
- New 1.4 very good.

5.1.5 Chief Bush Fire Control Officer

- Permits restricted for small landholders.
- Restricted and Prohibited Burning Periods.
- Good incident turnouts.
- Younger people mentored into positions.
- Brigades maintaining rosters.
- Feedback to Council regarding burning trees.

5.1.4 B Rayner

- Liaison with Northam Shire regarding Fire Incidents.
- Permits being issued. Permit holders abiding by rules.
- Possible condition on Permit notification when burn is undertaken.
- Software being investigated mapping that may include notice when starting. Permit to be on-line.
- Unrestricted burning provisions in the Act where Officers can attend a fire if it is unsafe or dangerous.

MINUTES OF BUSH FIRE ADVISORY COMMITTEE MEETING HELD IN COUNCIL CHAMBERS ON 6 FEBRUARY 2017

5.2 Other Reports (if applicable)

5.2.2 G Warburton (RMO)

Verge permit season. Event today occurred where a tree was burnt and fell across the road. Traffic management was non-existent along the school bus route. Inherent dangers with permitted verge burning. Tree was pushed off the road.

At 6.35pm a power-point presentation was given by the RMO at this stage of the meeting.

5.2.3 Verge Permit Book

Not a lot of room to put in conditions manually.

PPE or high-vis. not provided for as a condition at present.

5.2.4 Morangup

- New 2nd Lieutenant and Treasurer and an option for a third Lieutenant.
- FCO's first on the scene. Radio in vehicle but once they leave they are not contactable. What strategy can we have to make them still be contactable (i.e. handhelds from Station). Assess and Report (from vehicle). Reliability of hand-held devices questioned. Other product may be on the market that will connect with the car radio.
- Fittings to resident tanks cannot be utilised by Fire Trucks. Tanks are not retro-fitted to current legislation regarding water tanks.
- Availability of universal fittings carried on trucks attending incidents. Skill of drafting water to fight fire. Training required.

6. CONFIRMATION OF NEXT MEETING

The next meeting of the Bush Fire Advisory Committee is scheduled to be held on 1 August 2017 commencing at 6.00pm.

7. CLOSURE OF MEETING

The Chairperson declared the meeting closed at 6.52pm.



ATTACHMENTS

to Minutes of the

Bush Fire Advisory Committee Meeting

2 May 2017

ATTACHMENTS TO AGENDA OF BUSH FIRE ADVISORY COMMITTEE MEETING TO BE HELD IN COUNCIL CHAMBERS ON 2 MAY 2017

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	Electronic Attachment 4	
	http://www.toodyay.wa.gov.au/Assets/15469_Strategic_Review_ of_Bushfire_PolicyShire_of_Toodyay_Final_Jan_16pdf	
	Electronic Attachment 5	
	http://www.toodyay.wa.gov.au/Profiles/toodyay/Assets/ClientDat a/Firebreak_Notice_2016-2017_with_bleed.pdf	
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STATUS REPORT **Bush Fire Advisory Committee**

Including Recommendations made to Council, Action List and Completed items

Recommendations made to Council						
Meeting Date	ltem	Title/Description of Item	Resp. Officer	Proposed / Notes / Actions to be taken	Comment	
2/5/17	4.1	Review of Fire Break Order	CESM	Recommendation made to Council (Below)		
BFAC RESO	LUTION NO	02/05/17 MOVED C Stewart SE	CONDED R Hui	nter	·	
The Bush Fir	e Advisory C	committee recommends to Council the	e following:			
That Council	endorses the	e new Firebreak Notice, to commence	e 1 November 20	017, detailed as follows:		
		3 of the Bush Fires Act 1954, all resi t out in this notice.	idents and ratep	payers within the Shire of Toodyay are required to	comply with the	
Due Date:	1 Novembe	r Annually				
Maintaine	d Until: 30 /	April Annually				
NB: If you purchase land during this period you have 14 days from purchase to comply with this order.						
Failure to comply may result in a fines or prosecution						
All land le	ss than or o	equal to 1 hectare				
1.1 All land with an area less than 1 hectare (2.47 acres) are required to be fire hazard reduced by ensuring:						
- grass height does not exceed 100mm; and						
- no tree crowns overhang the building; and						
-	total availa	ble fuel load is maintained at 2 tonnes	s per hectare or	lower.		

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STATUS REPORT **Bush Fire Advisory Committee**

Including Recommendations made to Council, Action List and Completed items

Meetir Date	ng	ltem	Title/Description of Item	Resp. Officer	Proposed / Notes / Actions to be taken	Comment
All la	and grea	ter than 1	hectare		·	
2.1	Land u	p to and i	ncluding 200 hectares in size shall ha	ve a fire break o	cleared and maintained within 10 metres of the exte	ernal boundary.
2.2	Land e	xceeding	200 hectares in shall have fire breaks	cleared and ma	aintained as to divide the property into 200 hectare	parcels of land.
2.3		reak shal e areas.	l be cleared and maintained within 7 n	netres from exte	ernal walls of buildings and around haystacks, sola	r panels and fuel
2.4		netre wide e areas si	,	a) shall be mair	ntained from external walls of buildings and around	d haystacks, fuel
	- g	rass heig	ht does not exceed 100mm; and			
	- n	o tree cro	owns overhang the building; and			
	- to	otal availa	able fuel load is maintained at 2 tonnes	s per hectare or	lower.	
2.5	A fire b	oreak sha	II be cleared and maintained immediat	ely surrounding	a stationary motor.	
DEF		: Fire	break – An area cleared of all inflamm	able materials (3 metres horizontally (wide) and 4 metres vertically	(hiah).

Action List					
Meeting Date	Item	Title/Description of Item	Resp. Officer	Proposed / Notes / Actions to be taken	Comment



STATUS REPORT **Bush Fire Advisory Committee**

Including Recommendations made to Council, Action List and Completed items

CON	COMPLETED RECOMMENDATIONS THAT HAVE GONE TO COUNCIL (and ACTIONS Completed)						
Meeting Date	ltem	Title/Description of Item	Resp. Officer	Status / Action / Notes	RESOLUTION NO.		
1/11/2016 Recommendation	2.2.1	Recommendations to Council	CESM	'That Council authorise the CEO to write to appointed FCOs advising of any outstanding training, and that those who require training undertake training at the earliest available opportunity.'	Completed.		
1/11/2016 Recommendation	5.1.1	Voting and Non-Voting Membership to BFAC	CESM	'That Council review the BFAC membership to remove such that DFES and DPAW representatives are nonvoting members.'	OFN28745 Correspondence sent out		
2/08/2016 Recommendation	4.1.2	Bushfire Operating Procedure	CEO	Amendments to be put to Council.	113/11/16		
2/08/2016 Action List	4.1.3	Vehicle Identification Stickers – Include Private Plant and Farmer Response. (CEO)	CEO	Been actioned. Process now for accepting and issuing permits	Action is complete		
7/2/17 BFAC MTG	3.1.1	Shires Firebreak Notice - Supporting Documentation was presented to members at 6:14pm for out of session review	CESM	Put to the BFAC and recommendation made to Council at the meeting.			

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Appendix A: Out of Session Feedback Register

The following is a summary of the feedback received on the draft Firebreak Notice tabled at the February BFAC. It includes the officer's position in respect to the feedback.

Name	Subject	Comment	Officer Comments
Stan Scott - CEO	Definition/specification of a fire break.	Firebreak should be defined once in the notice then referred to, rather than the specification being repeated throughout the order.	Achievable without changing the intent or requirements of the document.
Torben Bendtsen	50mm Grass Requirement	50mm may be hard to achieve in rural setting due to available plant being largely agricultural.	The 50mm proposal originated from the previous WAPC definition of an Asset Protection Zone. The WAPC guidelines were (modified in February 2017 to 100mm. The comments are valid in the local context of terrain and equipment; as such the Officer would support adopting the current WAPC standard of 100mm. In arriving at this conclusion, consultation with the region's Bushfire Mitigation Officer confirmed that grass cut at 100mm would not likely exceed the overriding 2t/ha fuel loading. It should be noted that this represents an increase of 25mm over the current 75mm requirement in the Shire's firebreak order.
Torben Bendtsen (DO Avon)	2t/ha fuel loading	Raised concern that a fuel loading statement would be hard to measure in practice and therefore be difficult to enforce.	Broadly speaking the CESM agrees with the view raised. However, while it is unlikely that the Shire would go to the extent of measuring the fuel load for the purpose of infringement, the existence of a fuel loading statement does provide a target for residents. At present the current requirement for most properties is a 'low fuel area' which is neither specific nor measurable. With lack of identified alternative, it is proposed that a fuel loading statement will be supported by education and tools to assist resident estimate their fuel loading. The officer proposes to utilise scrub fuel load calculation method from the
			Forest Fire Behaviour Tables for Western Australia" by R J Sneeuwjagt & G B Peet 1998, to provide the necessary tools by which owners & occupiers may assess their fuel load. This would also act as a common means by which to

Appendix A: Out of Session Feedback Register

The following is a summary of the feedback received on the draft Firebreak Notice tabled at the February BFAC. It includes the officer's position in respect to the feedback.

Name	Subject	Comment	Officer Comments
			assess fuel load for assessment purposes. This approach is currently being utilised by the Shire of Mundaring.
Craig Stewart (CBFCO)	2t/ha fuel loading	Raised concern that a fuel loading statement would be hard for residents to understand. Requested further detail on in regards to education approach.	Officer forwarded proposed (draft) education literature as attached to this report. Mr Stewart indicated he was then satisfied with the approach.

Appendix B: Associated Educational Material

Measuring Fuel Loads

Fuel loads a measured as the total dry weigh of all (fine) fuels which are thinner or have diameter of or less than 6mm. Fuel loadings a commonly stated in tonnes per hectare.

Landholders and residents can easily estimate fuel loads by using one or both of the following tools:



DFES Visual Fuel Load Guide - Download the guide to match your fuel type/density to images in the guide.

https://www.dfes.wa.gov.au/safetyinformation/fire/bushfire/Pages/publications.aspx#5

2.

Scrub Fuel Load Inspection Method

Scrub fuel loads are determined by assessing the average height, density and condition of the vegetation. The tables (combined with the visual examples) below provide the relevant input to a simple fuel load calculation formula.

The estimated scrub weight is added to the leaf/bark litter weight to provide an indicative Fuel Load for the area.

eight Litter Veight (T/ha) 2.7 5.3 8.0 11.0 13.0 16.0 19.0 21.0 24.0

27.0

45 50

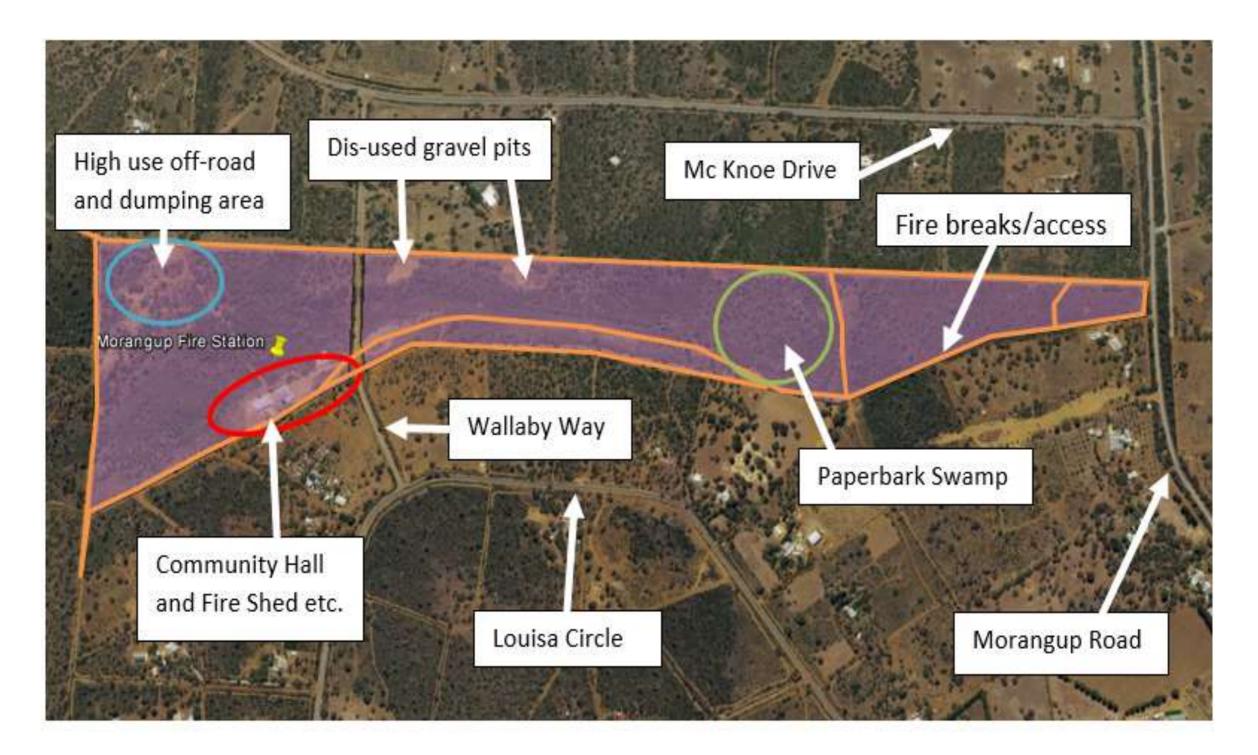
Calculating total indicative fuel load

The Total Indicative Fuel Load (TIFL) is calculated as: **TIFL = (Scrub Weight x Scrub Flammability Factor) + Litter weight**

	is weigi		i iuiiiiiu			ici weigin			
Scrub Weight					Scrub Flammability Factor			Litter We	
Scrub Height (m)					Scrub Condition	Scrub Flammability		Litter Depth (mm)	ו א (
	Dense	Medium	Sparse			Factor		5	
1.5	7.0	5.0	4.0		Green/Young	1		10	
1.2	5.0	4.0	3.0		20% Dead	2		15	
0.9	3.0	3.0	2.0		50+% Dead	3		20	
0.6	3.0	2.0	1.5					25	
				_				30	
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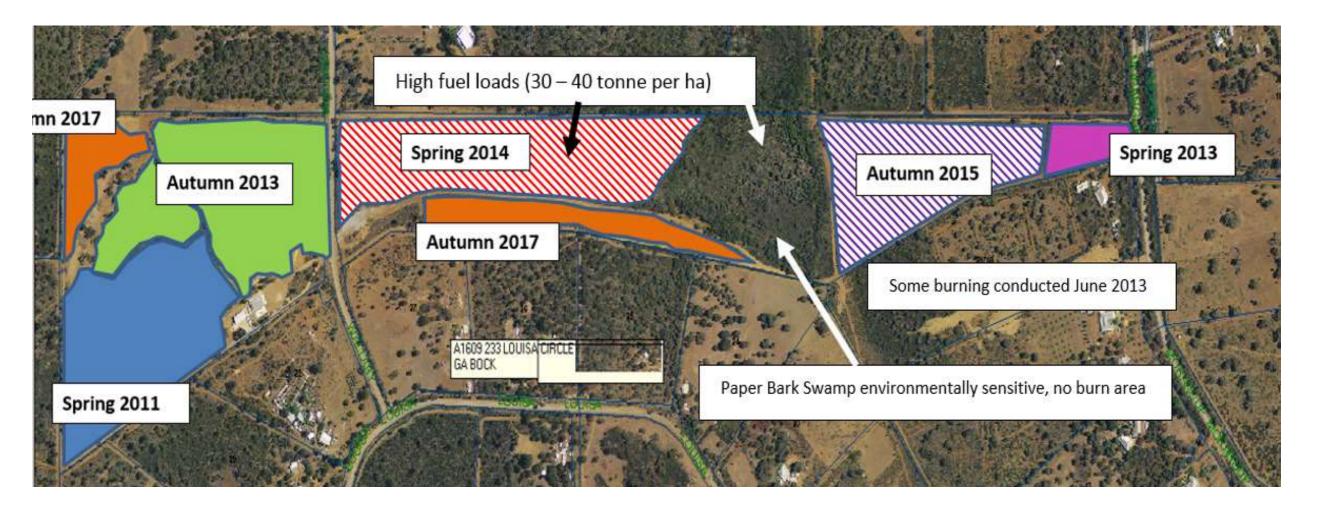
Dense		Medium	Sparse
Difficult to w	alk through	Can pick a path through, with	Easy to pick any path
		some deviation required	through – little to no
			deviation required
<provide tal<="" td=""><td>l Dryandra Example</td><td><provide dryandra<="" tall="" td=""><td><pre><provide dryandra<="" pre="" tall=""></provide></pre></td></provide></td></provide>	l Dryandra Example	<provide dryandra<="" tall="" td=""><td><pre><provide dryandra<="" pre="" tall=""></provide></pre></td></provide>	<pre><provide dryandra<="" pre="" tall=""></provide></pre>
Photos>		Example Photos>	Example Photos>

Mitigating MORANGUP



Management map









Complete Gomplete Gomplete Mcknoe D Gomplete	nplete	Proposed Micknoe Dr Proposed	Proposed	Wattle Kay	Proposed Proposed Propos	Mprangup Rd	
	2018	2019	orangup	Proposed	Bronorad		
	291	216		1	Proposed		
	319	437			A	Goomatrice Pr	oposed
Verge Mulching	392	190		Proposed		Goons	
✓ ➡ Styled by Year	1340	190					
	181	142					
2017 - 2017 (1)	724	356			Propose	ed and	
Q 2018 - 2018 (8)	321	2500			Byandra Rd		Moraro
Q 2019 - 2019 (11)	1210	181			A A A A A A A A A A A A A A A A A A A		Dup Rd
116 N U		156					
		471	34				
		471 176	7		Proposed		
Total Linear (m)	9556		Ě	TT.	An		
Total Linear (m) Estimated Linear (m)	9556 7167	176	Prope	Proposed	Proposed governdra #d		













