

Far North Coast BFMC Bush Fire Risk Management Plan 2017

Ballina Coast and Hinterland - Map Display Area

Map 8 of 8

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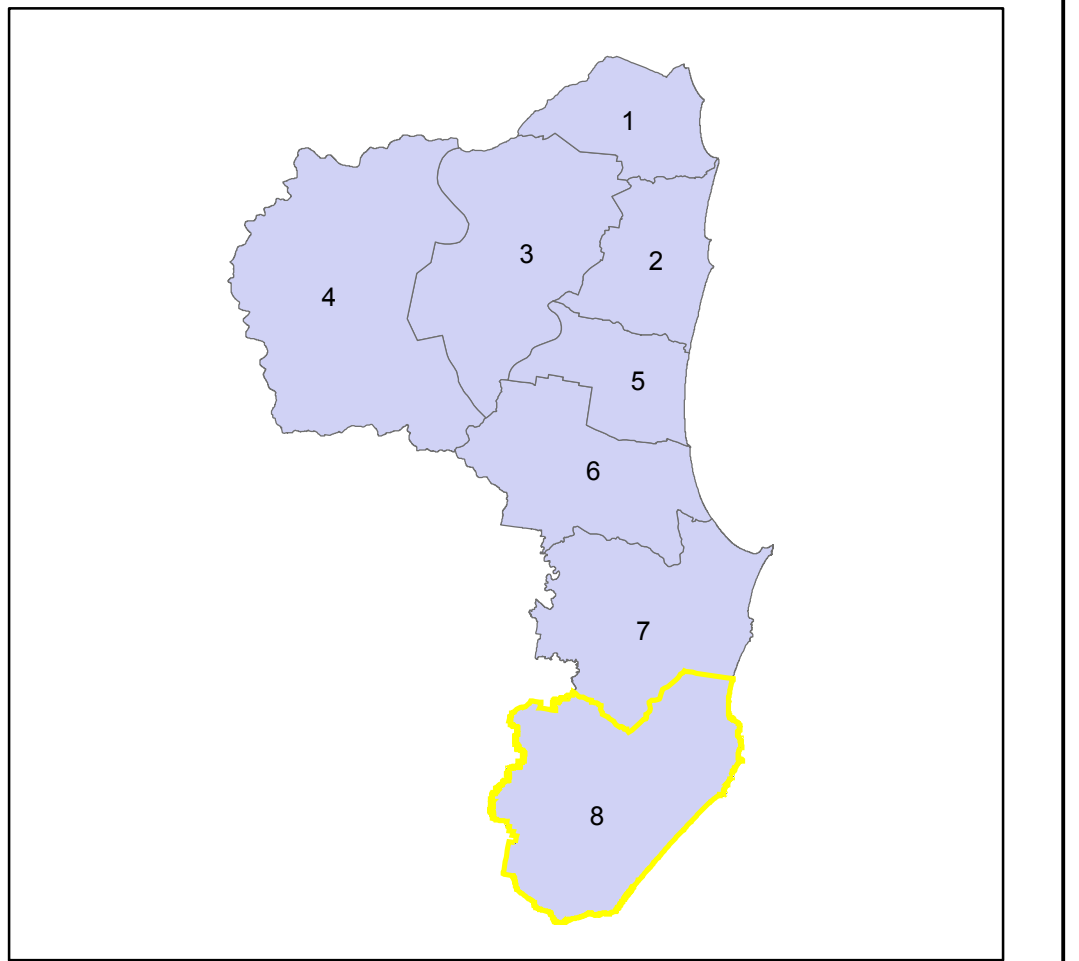
This Bush Fire Risk Management Plan (BFRMP) has been prepared by the Far North Coast Bush Fire Management Committee (BFMC) pursuant to section 52 of the *Rural Fires Act 1997*.

The aim of this BFRMP is to reduce the adverse impact of bush fires on life, property and the environment.

The objectives of this BFRMP are to:

- reduce the number of human-induced bush fire ignitions that cause damage to life, property or the environment;
- manage fuel to reduce the spread and intensity of bush fires while minimising environmental/ecological impacts;
- reduce the community's vulnerability to bush fires by improving its preparedness; and
- effectively contain fires with a potential to cause damage to life, property and the environment.

This map forms part of the BFRMP for the Far North Coast BFMC, covering the local government areas of Ballina, Byron and Tweed. It should be viewed in conjunction with the accompanying BFRMP document which provides further details on the BFMC area, the assets assessed and the risk assessment process used.



Review
Under the *Rural Fires Act 1997* this plan must be reviewed and updated within each successive five year period following the constitution of the BFMC. The Far North Coast BFMC will also review this plan as necessary. This may be triggered by a range of circumstances, including but not limited to:

- changes to the BFMC area, organisational responsibilities or legislation;
- changes to the bush fire risk in the area; or
- following a major fire event.

Assets
This BFRMP identifies the assets that are considered by the Far North Coast BFMC and community to be at risk from bush fires, assesses the bush fire risk to each asset and assigns treatments designed to mitigate the risk. Assets in the BFMC area identified as requiring treatments are listed in the assets table. Other assets within the BFMC area that were assessed as not requiring treatments within the life of this plan are listed in the appendix to the BFRMP document. The Map Ref number "NA" denotes non-spatial assets.

Treatments
Specific treatments assigned to assets in the Far North Coast area are listed in the treatments table and linked to the assets which they are designed to protect. Standard BFMC wide treatments (i.e. not linked to a specific asset) which occur on an ongoing basis within the BFMC area are:

- reviewing the bush fire prone land map;
- ensuring developments in the bush fire prone land comply with Planning for Bush Fire Protection;
- using the Local Environment Plan's (LEPs) to control development in areas with a bush fire risk;
- varying the standard bush fire danger period as required;
- requiring permits during bush fire danger periods;
- prosecution of arsonists/offenders;
- investigation of bush fire cause;
- normal fire suppression activities;
- assessing and managing compliance with strategic fire-fighting resource allocation management systems;
- preparation of a S&S Operations Coordination Plan;

Note on LMZ: All areas not specifically mapped as an APZ, SFAZ or FEZ are considered as LMZ for this risk management plan. For areas identified by an LMZ polygon on the map, please refer to the BFRMP document for the specific land management objectives.

Asset Protection Zone	Purpose	Suppression	Zone
Asset Protection Zone	To protect human life, property and highly valued public assets and values.	To enable the safe use of Direct Attack suppression strategies within the zone. To minimise bush fire impacts on undefended assets.	As per RFS document <i>Standards for Asset Protection Zones</i> .
Strategic Fire Advantage Zone	To provide strategic areas of fire protection advantage which will reduce the speed and intensity of bush fires, and reduce the potential for spot fire development. To aid containment of wildfires to existing management boundaries.	To improve the likelihood and safe use of Parallel Attack suppression strategies within the zone. Indirect Attack (back burning) in high to very high fire weather conditions within the zone. To reduce the likelihood of: Crown fire development within the zone; and/or Spot fire ignition potential from the zone.	Zone width related to suppression objectives and dependant upon: - Topography - Aspect - Location of adjacent fire breaks - Mosaic pattern of treatment Assess Overall Fuel Hazard (OFH) once vegetation communities reach minimum fire thresholds within this plan. Management practices should aim to achieve mosaic fuel reduction patterns so that the majority of the SFAZ has an OFH of less than high.
Land Management Zone	To meet relevant land management objectives in area where APZs or SFAZs are not appropriate.	As per the land management and fire protection objectives of the responsible land management agency. To reduce the likelihood of spread of fires. To undertake mosaic burning.	As appropriate to achieve land management, e.g. heritage and/or fire protection e.g. broad scale mosaic burning objectives.
Fire Exclusion Zone	To exclude bush fires.	NA	Variable dependant on size of fire sensitive area requiring protection.

Disclaimer
The Far North Coast BFMC makes every effort to ensure the quality of the information available on this map. Before relying on the information on this map, users should carefully evaluate its accuracy, completeness and relevance for their purposes, and should obtain any appropriate professional advice relevant to their particular circumstances.

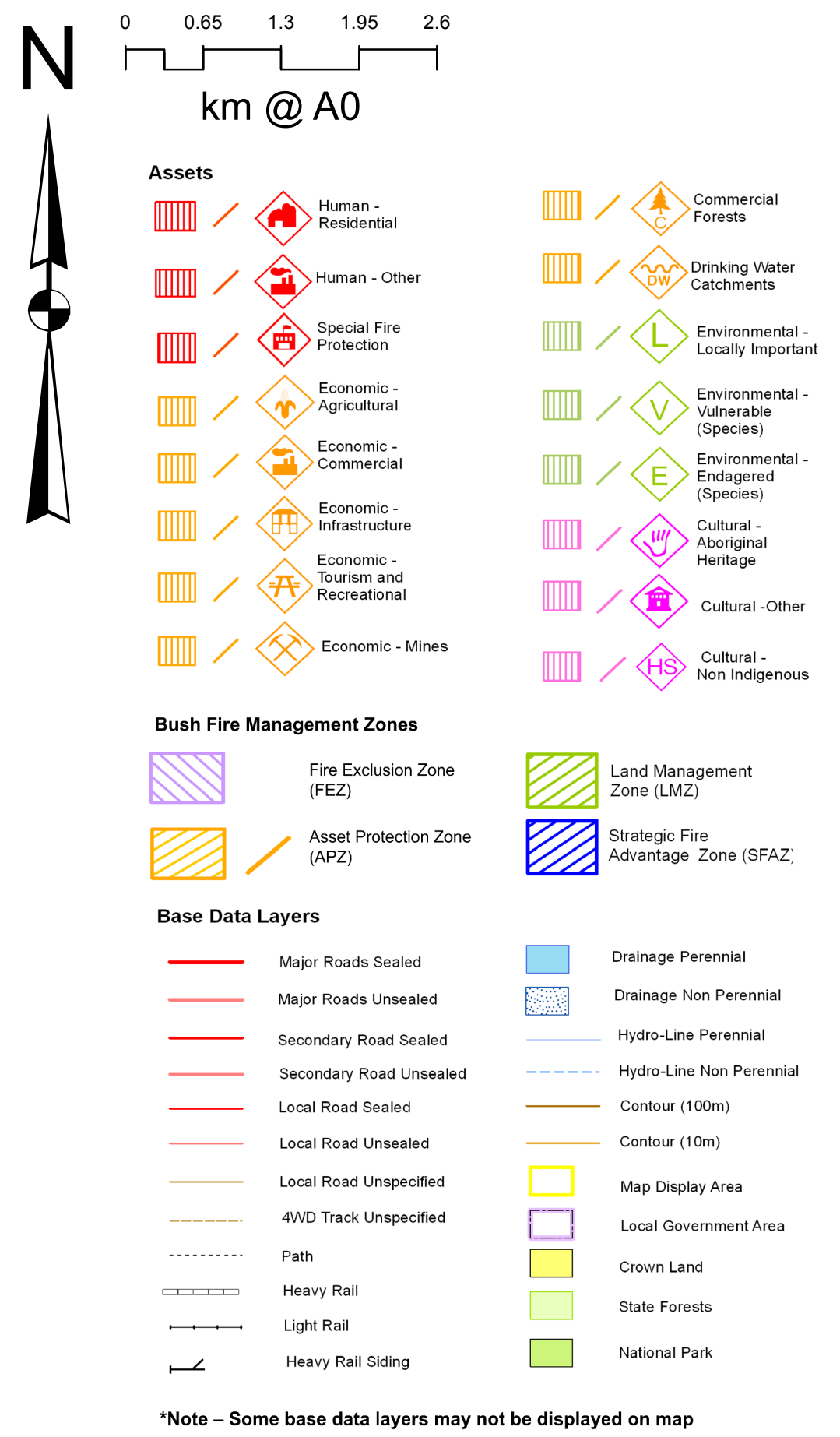
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Authorized by _____ of Far North Coast BFMC.
Date created: Tuesday, 18 April 2017

BFRMP version 2.1.26.0



Map Ref	Asset name	Asset type	Subtype	Risk level	Priority	Treatment
NA	Atlas rainforest ground beetle	Environment	Endangered	Extreme	1A	T148,92
NA	Coastal Fontainea	Environment	Endangered	Extreme	1B	T92,93
32	Flat Rock Camping Ground	Human	Special Fire	Extreme	1B	T101,102
NA	Australasian Bittern	Environment	Endangered	Extreme	1C	T147
1	Lennox Head Tourist Facilities	Human	Special Fire	Extreme	1C	T23,27,100
NA	Jointed Baloghia	Environment	Vulnerable	Very High	2A	T92,93
NA	Ballina Tourism Industry	Economic	Tourist and	Very High	2A	T23,27,41
14	South Ballina Caravan Park	Human	Special Fire	Very High	2A	T41,51
16	Sandalwood Caravan Park	Human	Special Fire	Very High	2A	T35,62
23	Fig Tree Hill	Human	Residential	Very High	2A	T11,39,160
24	South Ballina Isolated Rural Dwellings	Human	Residential	Very High	2A	T41,160
25	Sanctuary Village Area	Human	Residential	Very High	2A	T12,85,160
33	Dunes Tourist Facility	Human	Special Fire	Very High	2A	T143,144
47	Communications Towers Tweed, Byron	Economic	Infrastructure	Very High	2A	T146
80	SeaBreeze Caravan Park	Human	Special Fire	Very High	2A	T41,81
93	Southern Cross K-12	Human	Special Fire	Very High	2A	T54
NA	Traffic on Major Roads	Economic	Infrastructure	Very High	2C	T121
15	Wardell and Surrounds	Human	Residential	Very High	2C	T10,24,41
51	Barrett Estate	Human	Residential	Very High	2C	T18,41,100
26	Skennars Head	Human	Residential	High	3A	T27,96
62	Thursday Plantation	Human	Special Fire	High	3A	T96,81
66	Ballina Waste Management Facility	Economic	Infrastructure	High	3A	T81
98	Inchic depot	Economic	Commercial	High	3A	T155
142	Lennox Head WWTP	Economic	Commercial	High	3A	T124
143	Wardell WWTP	Economic	Commercial	High	3A	T124
NA	Coastal Rural Dwellings on Forested	Human	Residential	High	3B	T33,153,160
NA	Pimlico	Human	Residential	High	3D	T35,160
NA	Tree Crops	Economic	Agricultural	Medium	4	T114
NA	Sugar Cane	Economic	Agricultural	Medium	4	T119
NA	Site Group Five Sites	Cultural	Aboriginal	Medium	4	T117,161
NA	Assets Adjoining Isolated Bushland	Human	Residential	Medium	4	T21
NA	Rural Areas Grassland and Camphor	Human	Residential	Medium	4	T21
31	Palchs Beach	Human	Residential	Medium	4	T38,3
65	Ballina - Byron Gateway Airport	Economic	Infrastructure	Medium	4	T99
95	West Lennox Village	Human	Residential	Medium	4	T33
105	Ferry Boat Road West Ballina	Human	Residential	Medium	4	T47,48
119	Ballina Industrial Estate	Human	Other	Medium	4	T33
120	Alstonville High School	Human	Special Fire	Medium	4	T54
NA	Ballina Drinking Water Catchments	Economic	Drinking	Low	NA	T165
58	Ferry Boat Road Tourist Facilities	Human	Special Fire	Low	NA	T46
85	Pacific Pines Estate Lennox Head	Human	Residential	Low	NA	T18,33
94	Cumbalum Area	Human	Residential	Low	NA	T18,41
112	South Side of Lennox Village	Human	Residential	Low	NA	T41
115	Meadows Estate	Human	Residential	Low	NA	T33
116	Assets Adjoining Isolated Bushland	Human	Residential	Low	NA	T33
129	Ballina Council Depot	Economic	Infrastructure	Low	NA	T124
131	Ballina WWTP	Economic	Commercial	Low	NA	T124
134	Marom Creek Weir	Economic	Infrastructure	Low	NA	T124
180	NSP: West Ballina Rugby Grounds	Human	Other	Low	NA	T166
181	NSP: Williams Reserve, Lennox Head	Human	Other	Low	NA	T166
182	NSP: Wardell Hall	Human	Other	Low	NA	T166
183	NSP: Ballina Airport Carpark	Human	Other	Low	NA	T166
184	NSP: Wardell Public School	Human	Other	Low	NA	T166
185	NSP: McLeans Rdiges Hall	Human	Other	Low	NA	T166
186	NSP: Emmanuel Anglican College	Human	Other	Low	NA	T166
187	NSP: Ballina Golf Club	Human	Other	Low	NA	T166
188	NSP: Pop Dennison Park	Human	Other	Low	NA	T166
189	NSP: Prospect Lake Park	Human	Other	Low	NA	T166
190	NSP: Headland Reserve	Human	Other	Low	NA	T166



ID	Treatment strategy	Action	Agencies (Support)
T62	Community Education	Disseminate Community Education Materials	FRNSW, RFS (LGA, OEH)
T92	Ignition Management	Attempt to exclude fire from habitat	TI CL, LGA, OEH, FRNSW, Private,
T148	Preparedness	Avoid ground disturbance in known locations	TI CL, LGA, OEH, Private (FRNSW,
T93	Community Education	Disseminate community engagement materials	TI CL, LGA, OEH
T101	Hazard Reduction	Maintain roadside tree pruning	LGA
T102	Property Planning	Ensure Evacuation Plan Updated	LGA, Private
T117	Hazard Reduction	Implement AHIMS Management Conditions	TI CL, LGA, OEH, FRNSW, Private,
T160	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, RFS)
T161	Hazard Reduction	Maintain APZ and SFAZ	Local Aboriginal Land Councils
T23	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA (RFS)
T27	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T100	Property Planning	Maintain a Community Protection Plan	TI CL, LGA, Private, RFS
T147	Hazard Reduction	Implement appropriate fire regimes	TI CL, LGA, OEH, Private, RMS,
T11	Hazard Reduction	Maintain roadside slashing regime Coast Road	LGA
T12	Community Education	Conduct targeted community engagement	LGA, RFS (Private)
T35	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA (RFS)
T39	Community Education	Maintain Community Firewise Activities	LGA, RFS
T41	Preparedness	Maintain Fire Trails	TI CL, LGA, Private (RFS)
T51	Hazard Reduction	Maintain Strategic Fire Advantage Zones	Private (TI CL, OEH)
T54	Community Education	Maintain Schools community education program	FRNSW, RFS
T81	Hazard Reduction	Maintain an APZ adjacent to assets at risk	Private (TI CL, LGA, FRNSW, RFS)
T85	Hazard Reduction	Implement Strategic Fire Advantage Zone	TI CL, LGA (RFS)
T143	Community Education	Community Engagement	FRNSW (RFS)
T144	Hazard Reduction	Maintain APZ	Private
T146	Hazard Reduction	Maintain APZ surrounding asset	CA, TI CL, LGA, OEH, Private,
T10	Property Planning	Create and implement a Community protection	RFS (TI CL, LGA, JAILC)

ID	Treatment strategy	Action	Agencies (Support)
T18	Hazard Reduction	Maintain an Asset Protection Zone on the	TI CL, LGA
T24	Hazard Reduction	Maintain Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T33	Community Education	Annual Media Release	LGA, FRNSW, RFS
T121	Property Planning	Maintain road closure procedures	RMS, Police
T3	Community Education	Conduct a Firewise Street Meeting	RFS (LGA, OEH)
T96	Community Education	Distribute Bushfire Safety Information	LGA (FRNSW, RFS)
T98	Hazard Reduction	Maintain slashing regime	LGA
T124	Hazard Reduction	Slash Asset Protection Zones	LGA
T155	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, RFS)
T21	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (TI CL, LGA, OEH, FRNSW,
T153	Hazard Reduction	Implement Strategic Fire Advantage Zones	TI CL, LGA, Private (RFS)
T38	Hazard Reduction	Maintain roadside slashing regime Palchs Beach	LGA
T47	Hazard Reduction	Maintain roadside slashing regime Ferry Boat	LGA
T48	Hazard Reduction	Maintain an Asset Protection Zone on the	Private (RFS)
T99	Hazard Reduction	Maintain slashing regime	LGA
T114	Community Education	Maintain Farm Firewise Program	RFS
T119	Ignition Management	Maintain Fire Permit system for cane harvesting	RFS, Sugar Cane Growers
T165	Hazard Reduction	Maintain an Asset Protection Zone	Rous Water
T166	Hazard Reduction	Maintain fuels in accordance with Guidelines	TI CL, LGA, Private (RFS)

*Note - Some base data layers may not be displayed on map