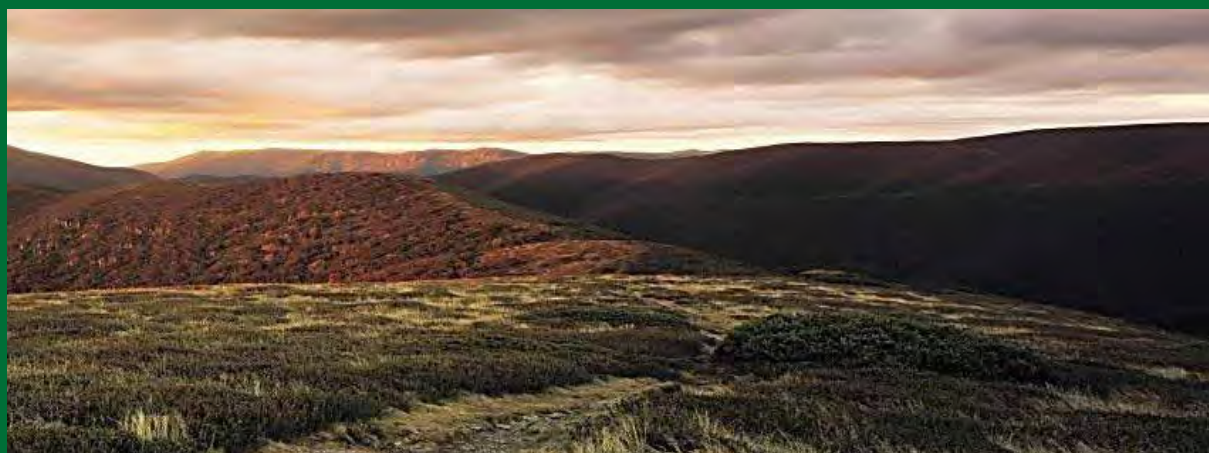


East Gippsland Fire Management Plan 2017 – 2020



Version 3.0

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Chair's Foreword

Fire is one of the most common disasters individuals and communities can face, and the impact of fire on property and lives can be devastating. Safety from fire and the protection of life, property and our environment are both highly complex and emotive issues. Essential to the mitigation of unplanned fire is that all of us who live, work and visit East Gippsland recognise the value of partnerships and the role each of us play in being not only prepared for fire but able to respond appropriately and then recovery from fire.

This plan focused on the State Government's priority of reducing Victoria's bushfire risk. This plan includes the fire hazards associated with structures and chemicals and I am pleased to present this version of the East Gippsland Fire Management Plan (EGFMP). A plan developed through the partnership of the members of the Fire Management Planning Advisory Committee (FMPAC), community groups and industry.

This plan includes feedback achieved through community engagement and consultation. Community engagement and consultation will be ongoing as the plans priorities and outcomes are achieved. In particular, fire management planning at the local level and community resilience building, or the increased community ownership and responsibility for fire safety, and greater community self-reliance in partnership with fire agencies and other government bodies.

I would like to personally thank all individuals and agencies who have contributed to the production of this plan and those who have been willing to commit their time and considerable expertise, both as members of the FMPC and as experts in their field.

Daryll Hunter
Chair
East Gippsland Fire Management
Planning Committee

Authorisation and Endorsement

The East Gippsland Shire Council is the custodian of this Fire Management Plan (FMP), as a sub plan of the Municipal Emergency Management Plan.

This FMP has been produced by the Fire Management Planning Committee pursuant to Section 20 of the Emergency Management Act 1986; and will be deemed to fulfill Section 55A of the CFA Act 1958.

The signatories below, on behalf of their respective agencies commit to the implementation of this plan as it applies to each agency.

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Index to Amendments

| Version Number | Authors | Date of Amendment | Brief Description of Changes |
|----------------|---------|-------------------|---|
| Version 1.0 | FMPC | 31/10/2011 | Document creation, focusing on bushfire risk |
| Version 2.0 | FMPC | 28/05/2013 | Incorporation of community feedback, structure fire and fires involving chemicals, and 2011 ABS data. |
| Version 3.0 | FMPC | 28/11/2017 | Updated workplan, census data, VFRR data and brigade area maps |
| | | | |
| | | | |
| | | | |

The East Gippsland FMPC has made every effort to ensure the accuracy of the information contained within this plan. Any inaccuracies or omissions should be notified to:

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PART 1 - Introduction

The underlying basis of fire management is; protection and preservation of life, property and the environment. Within this context there are three fire risk elements for communities in East Gippsland, bushfire¹, structure fire and fires involving chemicals.

The purpose of this integrated FMP is to chart the planned and coordinated implementation of measures designed to minimize the occurrence, and mitigate the effect of bushfire (and grassfire), structural fires, and chemical fires in the community.

This East Gippsland Fire Management Plan (FMP) is risk based and has been developed using the principles outlined in the Integrated Fire Management Planning (IFMP) Framework and Guide², and the Guidelines for Fire Management Planning Part 6A: Emergency Management Manual Victoria³.

This FMP is not about operational planning and tactics or replacing existing statutory roles of each or any government agency.

Bushfire

Bushfire in East Gippsland poses a serious threat to life and property. The area covered by the East Gippsland Shire is approximately 2 million hectares of which some 1.7 million hectares is covered by native vegetation; hence there is a real criticality of having integrated bushfire management strategies for their mitigation. This includes community education and that proper and sufficient works for the prevention and suppression of bushfire are coordinated effectively and efficiently.

Bushfire management also needs to be conducted with an understanding of both the role fire plays with the threats it can pose to life and property, in biodiversity maintenance and the management of our parks and forests. Fire is an integral part of our natural environment, driving regeneration and maintaining the health of species and ecosystems.

The last decade has seen an increase in the size and severity of bushfires in Victoria, as shown by the 2006/07 Great Divide, the 2009 Black Saturday fires, and in 2013 several major fires including the Aberfeldy-Donnellys and Alpine fires.

Structure Fire

Structure fire is a hazard directly relating to surroundings that are manmade and provide the setting for human activity. Structure fire can lead to impacts across a number of environments including;

- Residential;
- Industry,
- Commercial,
- Infrastructure,
- Public Assembly,
- Public Accommodation,
- Healthcare and Special Accommodation,
- Agriculture, and
- Marine.

¹ Bushfire is a generic term for all types of vegetation fires

² IFMP Document Archive

³ Emergency Management Act 1986

Fires Involving Chemicals

A chemical fire involves the actual ignition of a hazardous material in sufficient quantity to pose a danger/threat to life, economy, environment and services to the community. A chemical fire may occur during manufacture, use, handling, transport or storage.

There is no recorded history⁴ of chemical caused fires in East Gippsland however; there have been a number of fires resulting from vehicle accidents which involve the transport of volatile materials on local roads. In addition there have been occurrences of fires which involve chemicals. These fires are more complicated to manage and control due to the possibility of toxic fumes, damaging environmental runoff, and the possibility of increased or erratic fire behaviour.

Planning Process

This version of the East Gippsland FMP includes bushfires, structure fire and fires involving chemicals, and addresses the mitigation of, response to and recovery from unplanned fire emergencies within the East Gippsland Shire.

The Plan covers both public and private lands and is not designed to be a duplication of existing plans rather it is to consolidate and coordinate the significant range of plans that exist within East Gippsland relate to fire.

Period of Plan

This plan has been endorsed by the East Gippsland FMPC for a period of three years commencing as of the date of adoption by East Gippsland Shire Council.

Community and Organisational Engagement

Fire safety is a shared responsibility between individuals, the community, government agencies and non-government organisations, and the private sector; and requires a partnership approach. All stakeholders are given the opportunity to contribute to fire management planning and thus undertake appropriate action to address the risk of fire.



Community meeting at Mallacoota to discuss the town's bushfire risk

⁴ CFA Fire Incident Reporting System

Part 2 – Engagement and Communications

Community and stakeholder engagement is the key to the successful development and implementation of any Fire Management Plan (FMP).

The members of the Fire Management Planning Committee (FMPC) recognised people living in the East Gippsland Shire had considerable local knowledge about the area's fire history and they could add valuable information for use in the development of the last FMP.

A Community and Stakeholder Engagement Plan was developed to ensure the East Gippsland community and stakeholders:

- Are aware of the FMP and how the FMP impacts them broadly and on a township basis.
- Had access to the appropriate information so they could provide informed feedback.
- Had a range of opportunities to share their local knowledge.

The Community and Stakeholder Engagement Plan incorporated a number of elements to ensure a wide ranging and effective engagement phase including:

- A comprehensive stakeholder list.
- Engagement tools and tactics using events and networks within the Committee members' organisations.
- Targeted Community Groups.
- Evaluation to measure success based on the plan's objectives.
- An action plan.

To ensure a common approach, standard communication materials were prepared such as:

- A series of information sheets providing basic information about;
 - The engagement process,
 - How to read the FMP,
 - An overview of the Victorian Fire Risk Register – Bushfire, and
 - Ways in which feedback could be provided and contact details for further information.
- Feedback was received at community information session using electronic "clicker pads".
- Feedback was received instantly at the community sessions.
- Electronic risk assessment software was used.

The collated community and stakeholder feedback was reviewed by the FMPC and where appropriate additional information added in to the 2013 – 2016 FMP .

Part 3 – Summary of Environmental Scan

Detailed environmental scan data for East Gippsland has been sourced from East Gippsland Shire⁵, the Gippsland Regional Plan 2010⁶, the Australian Bureau of Statistics⁷ and various State Government agency sources. Below is a summary from all sources.

Location and Land Tenure

The East Gippsland Shire is located in the eastern tip of Victoria. East Gippsland is the second largest municipality in Victoria but has only a small population base spread across 37 distinct communities.

The area covered by the East Gippsland Shire is just over 2 million hectares of which approximately 80% is public land, and more than 78% or 1.7 million hectares is covered by native vegetation. Land tenure within the East Gippsland Shire is outlined in table below.

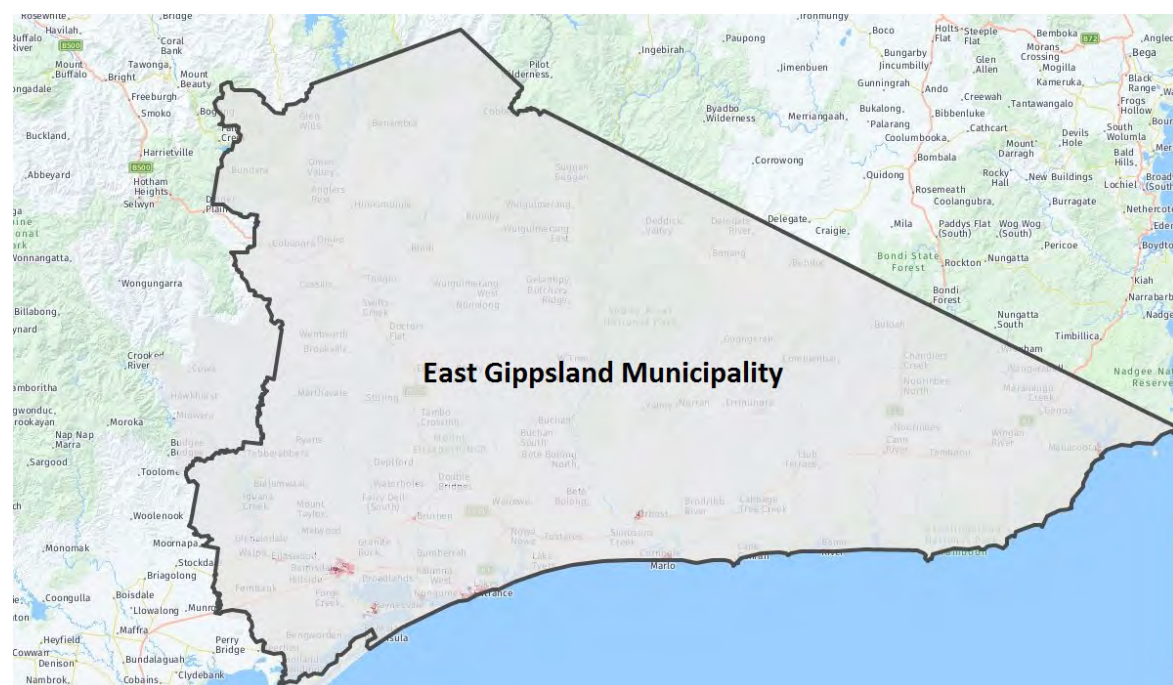
Land Tenure Table

| Land Managers | % of FMP Area | Area (ha) |
|---|---------------|-----------|
| National Parks Act & Nature Conservation Reserves | 26.2 | 548,049 |
| Other Conservation Reserves | 2.4 | 50,546 |
| State Forest | 48.9 | 1,022,851 |
| Other Public Land | 2.0 | 43,220 |
| Freehold | 20.5 | 428,469 |
| Total | 100 | 2,093,135 |

Source: DELWP PLM25 GIS dataset 2011

| | | |
|---|-----|-------|
| Plantation: Hardwood and Softwood (Freehold and Leased) | 0.2 | 4,585 |
|---|-----|-------|

Source: DAFF GIS dataset 2013



⁵ East Gippsland Shire Council Website (Community & Business Pages)

⁶ Regional Development Victoria

⁷ ABS Census Data 2016

Population, Demographic and Settlement Information

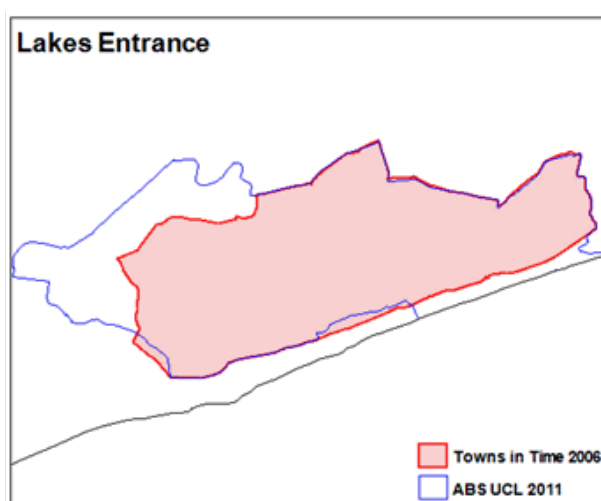
The population of East Gippsland Shire on Census night 2016 was 45,040⁸ a 6% increase overall from the 2011 Census and slightly high than the estimated 1% projected annual population change. The projected population growth to 2031⁹ for East Gippsland is outlined in the table below. This new projected population growth to 2031 has been revised downwards from the Victoria in Future 2012 projections presented in the previous version of this plan.

| | Census | Projected Population Growth to 2031 | |
|----------------|--------|-------------------------------------|--------|
| Year | 2016 | 2021 | 2031 |
| East Gippsland | 45,040 | 47,100 | 52,200 |

The table below shows the distribution of population by size of town (based on Urban Centre or Locality)

| | Towns > 1,000 | % of Towns > 5ks | % of Towns > 1k to 5k | % of Towns >500 to 1k | % of Towns < 500 |
|-----------------|---------------|------------------|-----------------------|-----------------------|------------------|
| Bairnsdale | 12,952 | 28.7% | 35.7% | 5.5% | 30.1% |
| East Bairnsdale | 1,298 | | | | |
| Lakes Entrance | 4,810 | | | | |
| Kalimna | 1,249 | | | | |
| Paynesville | 3,376 | | | | |
| Orbost | 2,014 | | | | |
| Metung | 1,213 | | | | |
| Mallacoota | 1,005 | | | | |
| Nicholson | 1,095 | | | | |

Prior to the 2011 Census the ABS changed their geographic classifications for future Census data collection. Hence from 2011 some town boundaries Urban Centre or Locality (UCLs) do not match previous boundaries. In some cases town boundaries have increased (e.g. see Lakes Entrance map below) or decreased or new towns declared. Therefore we are only able to provide an accurate measure of change, in particular urbanization, from 2011 onwards.



⁸ Based on place of usual residence

⁹ [Victoria in Future 2016 - Department of Environment, Land, Water and Planning](#)

The major population centres are Bairnsdale, Lakes Entrance, Paynesville, and Orbost. Medium growth is continuing in Bairnsdale and coastal areas such as Lakes Entrance, Paynesville and Metung. All coastal towns and villages experience a significant peak population during major holiday periods.

East Gippsland, as with all of Victoria, is experiencing the long aging of its population. The median age of people in East Gippsland in 2016 was 50 years (Victoria 37 years) rising from 47 years in 2011. People aged 65 years and over made up 28.2% of the population (Victoria 15.6%) in 2016. This affects both the demand for services and the supply of people able to provide those services, including volunteer fire and emergency services.

Almost 25% or 9,396 residents indicated on the 2016 Census that they did volunteer work for an organisation or group. In November 2017 approximately 1,570 CFA volunteers were registered¹⁰, being some 17% of the available volunteer pool; with 144 VICSES volunteers¹¹ also registered or 2% of the volunteer pool.

3,054 people or 6.8% of the population in East Gippsland Shire report needing help in their day-to-day lives due to disability.

Some 92.8% of East Gippsland residents spoke English at home. Other languages spoken at home included Italian, German, Dutch, Mandarin and Greek.

Socio-economic Indexes for (Gippsland) Areas

| Socio-economic Indexes for Areas (SEIFA) | | | | | | | | |
|---|---|----------|---|----------|-----------------------------|----------|-----------------------------------|----------|
| Local Government Area (LGA) SEIFA Summary, 2011 | | | | | | | | |
| 2011 Local Government Area Code(LGA) | Index of Relative Socio-economic Advantage and Disadvantage | | Index of Relative Socio-economic Disadvantage | | Index of Economic Resources | | Index of Education and Occupation | |
| | Score | Decile | Score | Decile | Score | Decile | Score | Decile |
| Bass Coast | 960 | 5 | 978 | 6 | 979 | 5 | 956 | 5 |
| Baw Baw | 983 | 7 | 998 | 7 | 1008 | 8 | 971 | 7 |
| East Gippsland | 942 | 4 | 958 | 4 | 964 | 4 | 950 | 5 |
| Latrobe | 929 | 3 | 940 | 3 | 944 | 2 | 914 | 2 |
| South Gippsland | 981 | 7 | 1000 | 7 | 1011 | 8 | 971 | 7 |
| Wellington | 961 | 5 | 974 | 5 | 984 | 6 | 954 | 5 |

ABS data 28 March 2013

Scores: a lower score indicates that an area is relatively disadvantaged compared to an area with a higher score. Index scores have been standardised to have a mean of 1000 using population weighted averages.

Deciles: all areas are ordered from lowest to highest score, the lowest 10% of areas are given a decile number of 1 and so on, up to the highest 10% of areas which are given a decile number of 10. Note that deciles have equal number of areas, not people.

¹⁰ CFA Resource Management System

¹¹ SES Resource Management System

Built Environment Demographics

In 2016 the total private dwelling stock was 22,498 with 17,567 (78.1%) occupied on Census night as a usual place of residence, and 4,931 (21.9%) unoccupied. The table below relates only to “occupied” private dwellings¹²:

| Types of Occupied Dwellings in East Gippsland Shire - 2016 | | | | |
|--|--------------------------|---------------------|------------|---------------|
| Separate Houses | Semi-detached, townhouse | Flat, Unit, similar | Other | Total |
| 16,102 (91.7%) | 641 (1.8%) | 309 (1.8%) | 302 (1.7%) | 17,567 (100%) |

The average household size in 2016 on Census night had 2.2 people; 66.7% of occupied dwellings were family households, 30.8% were single person households and 2.5% were group households. The distributions of household size detailed in the table below:

| Number of Persons Per Occupied Dwellings in East Gippsland Shire - 2016 | | | | | |
|---|------------------------------|--------------------------------|-------------------------------|-------------------------------|------------------------------------|
| No. of One Person Households | No. of Two Person Households | No. of Three Person Households | No. of Four Person Households | No. of Five Person Households | Six or more Persons in a Household |
| 5,413 | 7,170 | 2,034 | 1,811 | 809 | 332 |

East Gippsland Shire's building approvals, see graph below, are used as a leading indicator of the general level of residential development, economic activity, employment and investment. Residential building activity depends on many factors that vary with the state of the economy including interest rates, availability of mortgage funds, government spending, and business investment. However, the number of building approvals can fluctuate substantially from year to year simply as a result of the short-term nature of many construction projects, and the cyclical nature of the industry.



¹² ABS Census Data 2016

Economy¹³

East Gippsland's Gross Regional Product (GRP) at March 2017 was \$2.034 million. There were 18,175 people reported as being in the labour force during the 2016 census with 49.1% employed full time and 37.2% part time. "Healthcare" is one of the largest employers (2,068) followed by the retail sector (1,909). The largest in terms of "value added" is Rental, Hiring & Real Estate at \$330m, whilst the largest by output is Manufacturing at \$652m. Other leading economic contributors in order of "value added" include Health Care/Social Assistance, Agriculture/Forestry/Fishing, Construction, Manufacturing, Education & Training and Retail.

The Shire's lakes, forests, rivers and Alps underpin an increasingly important regional tourism industry. East Gippsland is marketed as being a "Naturally Magic" place in which to live, invest or simply visit. Tourist icons include the Gippsland Lakes, Buchan Caves, the Ninety Mile Beach, the Snowy River, Croajingolong National Park, the high country and the old growth forests. In between the Shire's farming areas produce high quality vegetables, wine grapes, fruit, grain, oil seed crops, dairy produce, beef and fine wool. The lakes, oceans and forests also provide a wide range of food and fibre products.



Croajingolong National Park (Photo courtesy of Tourism Victoria)

Economic Infrastructure

The East Gippsland economy relies very heavily on roads that are in good condition.

Bairnsdale is at the eastern end of a 180 km major population corridor. This corridor from Warragul, through the Latrobe Valley, to Sale and onto Bairnsdale is well serviced by the Princes Hwy and a freeway link (Princes Fwy) to Melbourne. Duplication of the Princes Hwy from Traralgon to Sale is partially completed. In addition there are three rail services a day through to Bairnsdale.

Natural Resources

The municipality features beautiful coastal scenery, extensive lakes and river systems, rugged high country, and national parks and forests renowned for their biological diversity, landscapes and recreational opportunities. A large section of the eastern coast is now known as Australia's Coastal Wilderness which, together with the Australian Alps, has been recognised as two of only eight "National Landscapes" by Tourism Australia.

¹³ Economic Development Indicators_ East Gippsland Shire

River systems include the Mitchell, Tambo, and Snowy River basins including the Bemm, Cann and Genoa Rivers. East Gippsland is also home to the Gippsland Lakes, which have significant environmental, social and economic value and are on the Ramsar List of Wetlands of International Importance.

There are seven National Parks and large continuous areas of forest that are home to many rare and threatened species. The municipality's rich diversity of native plant and animal life is characterised by its extensive eucalypt forests, river valleys, coastal plains and tablelands, and contains an important biolink between the Alps and the Gippsland Lakes that is essential to provide for enhanced movement between climate gradients, enhanced coastal connectivity and to ameliorate the adverse effects of longer term isolation.

Climate

The East Gippsland Shire climate is highly varied due to the size of the municipality and the range of environments covered, however the Shire generally has mild to warm summers with average maximum temperatures around 23 to 25°C. Winters are mild near the coast with average maximum temperatures of 15°C. Further inland it is cooler in the foothills and cold in the mountains where there are frequent frosts and some snow.

Annual average rainfall is around 924 millimetres but varies across the region. The southern flanks of the Great Dividing Range and the eastern part of the region receive high rainfalls of 1000 to over 1600 millimetres a year, which falls as snow on the higher peaks in winter. Annual rainfall decreases to less than 600 millimetres in the southwest and central parts due to the rain shadow effect of the Great Dividing Range and the Strzelecki Ranges. Rainfall is evenly distributed throughout the year, with large rain events usually associated with east coast low pressure systems. As a consequence annual rainfall is highly variable and gives rise to frequent droughts and flooding events. While on average there are 129 days each year where at least 1 millimetre of rain falls, East Gippsland has the greatest frequency of 24-hour rainfall in excess of 75 millimetres in Victoria.

The bushfire season normally runs from October to March. Prevailing weather conditions associated with the bushfire season are Northerly winds accompanied by high daytime temperatures and low relative humidity, followed by a cool south westerly change, often with strong gusty winds. There are also frequent dry lightning storms throughout the bushfire season.

The impacts of Climate Change

The East Gippsland Shire sits within the Victorian Government's 'East Gippsland Region (Climate Change) Profile'¹⁴.

Changes in climate will have a range of impacts – for example on water resources, bushfire frequency and intensity, primary production and infrastructure. It will also affect the richness of our biodiversity and the health of our landscapes. As well as the direct environmental impacts of climate change it will interact with other drivers of change such as population growth and advancements in technology.

Water

Decreases in rainfall and higher evaporation rates will mean less soil moisture and less water for rivers. Average annual runoff into the Mitchell River is expected to decrease by up to 25% by 2030, while runoff into the Tambo and Snowy Rivers are expected to decrease by as much as 35%. By 2070, decreases in runoff to all three rivers are expected to be more than 50%.

¹⁴ climate change East Gippsland

Farms and primary production

Climate change will have both positive and negative impacts on the types of crops we grow and the productivity of our primary production systems. Any reduction in rainfall will place most farms under stress, particularly when linked to higher temperatures. Some impact studies have already been carried out, and have identified:

- increased heat stress on dairy cattle, reducing milk production
- inadequate winter chilling for some fruit trees, which may reduce fruit yield and quality, however, higher temperatures are likely to reduce the risk of damaging winter frosts for other crops;
- in viticulture, higher temperatures are likely to reduce grape quality

Other climate change impacts such as heavy rains and winds from storm events will also contribute to crop damage and soil erosion.

Communities

Changes in the average climate will affect the built environment and infrastructure. More extreme events such as flash flooding and bushfires will also impact on the built environment and will need to be considered to minimise risk to property. The availability and cost of insurance may also change as a result of extreme events. Essential infrastructure such as water, power, transport and telecommunications have also been identified as being at high risk at higher levels of projected warming by 2030 without action being taken to prepare for these changes.

Coasts

Global sea levels are projected to rise between 0.18 to 0.59 m by 2095, with a possible additional contribution from ice sheet melts of 0.1 to 0.2 m. Since 1990, sea levels have risen faster than expected and closely follow the upper limits of projections. During this century, the Victorian coastline can expect greater inundation and erosion from sea level rise and increased frequency and intensity of storm events. East Gippsland has developed specific coastal area policy related to the use and development of land in coastal areas. Development in an effected area it will require a Coastal Climate Change Management Plan or a Coastal Hazard Vulnerability Assessment before assessment can be completed.

Alpine

Climate change is expected to result in shorter, drier winters which have significant impacts on Victoria's unique alpine region and the plant and animal species that live there, many of which are already endangered. Reductions in snow cover, increased risk of bushfires and invasion of weeds and other pests will also have significant impacts. Previous research by CSIRO indicates that alpine areas are likely to experience shorter snow seasons and decreased natural snow cover. Previous research by CSIRO in 2005 indicated that compared to the climate of 1979 to 1998, the area with an annual average of at least 60 days snow cover may decrease by between 18% and 60% by around 2020 and by 38% to 96% by 2050.

Fire History Summary

Bushfire

Bushfires have caused significant damage in the municipality on many occasions, particularly 1939, 1965, 1982/83, 1985, 2003, 2006/07, 2011 and 2013/14. East Gippsland has significantly more bushfire activity than any other Gippsland municipality. It also has significantly more forest (and woodland) fires due to some 79.5 % of East Gippsland being made up of Public Land (National Parks, State Forests, Conservation Reserves, etc.).

Extensive fire records have been maintained by both CFA and DELWP (Forest Fire Management Victoria) over many years.

The ignition factors of many fires are unknown however of the top known causes of ignition for bushfires are:

- Lightning
- Deliberately lit or suspicious fires
- Unattended or inadequately controlled fires in the open
- Fuel reduction burns on private land



Cann River-Mueller Rd Fire 30th November 2017: Photo courtesy of Mike Irvine

Structure Fire

Structure fires occur across all areas of the municipality. During the financial year periods from 2000 to 2017 there were 9,456 responses by CFA to fires in East Gippsland, of which 39% of calls were predominately in structures. Responses to structure fires across the municipality since 2000 are on average of 216 per year. 37% of these responses are within the larger populated areas of the municipality. Education to residents and promotion of smoke detector use has also helped to greatly reduce the impact of fires in structures. Over the past five financial years there has been a steady decline in structure fires from 280 to 177, a 36% reduction.



Fire Involving Chemicals

During the decade between 2000 to 2010 no fires involving chemicals¹⁵ have occurred in East Gippsland¹⁶.

Fire Planning Priorities

The priorities for the East Gippsland FMP are consistent with State and Regional fire management policies and plans as follows:

- Protection of life.
- Protection of assets.
- Improved community resilience and community education participation.
- Integrated agency community engagement activities for fire management planning.
- Maintenance of major transport routes prior, during and after a fire incident.
- Maintenance of essential services prior, during and after a fire incident.
- Integrated agency risk reduction works, including planned burning and other treatments across all land tenures.
- Identify and review the existing fuel break systems and fire access road networks.
- Providing advice to the MEMPC with respect to fire management.
- Information sharing between agencies.

¹⁵ As opposed to “chemical spills”

¹⁶ CFA Fire Incident Reporting System (FIRS)

Future Fire Management

An analysis of the environmental scan concluded the following context and future implications for fire management:

| Context | Implications for future fire management |
|--|--|
| <p>Urbanisation:</p> <p>In 2016 some 64.4% (in 2011 59.5%) of the municipality's population lived in towns of 1,000 or more people. Hence some 35.6% (in 2011 40.5%) of the population live in villages and settlements of less than 1,000 people. This trend of "urbanisation" is likely to continue with development occurring on the urban-rural interface.</p>  | <p>These urban-rural interface areas are more vulnerable and more likely to be at risk of bushfire.</p> <p>All future settlement planning on the urban-rural interface must take into consideration "bushfire" risk.</p> <p>Existing urban-rural interface developments with bushfire hazard issues will require a community response i.e. vegetation management; possibly Increased planned burning by CFA/FFMVIC where public land/buffer zones about private property may have to increase.</p> |
| <p>Aging Population and Volunteerism:</p> <p>East Gippsland (EG) continues to have a slow population growth; and has an ageing population. The mean age of the population is currently 50 yrs. (Vic 37 yrs.). People aged 65+ make up 23.3% (Vic 15.6%) of the population. Both statistics are expected to increase.</p> <p>Some 24.8% or 9,396 residents in EG (2016) do some type of volunteer work. In Nov 2017 1,561 CFA volunteers were registered (17% of the available volunteer pool) and 120 VICSES volunteers (1.3% of the available volunteer pool)</p> <p>Bushfires have immediate and long-term psychological impacts on individuals and communities, including anxiety, fatigue and financial stress, which have particular impact on volunteerism.</p> | <p>Decreasing mobility and ability to prepare and defend properties against bushfire; this may result in a greater increase in residential house loss due to residents taking the option of leaving early rather than defending their property against bushfire.</p> <p>Decreasing mobility also raises vulnerability of those residents in structure fires.</p> <p>Aging volunteer fire and emergency services personnel reducing future frontline capacity. The volunteer pool is also much wider spread across the municipality, resulting in emergency/fire services getting a lower market share of the volunteer pool. There is a perceived requirement to increase the fire services volunteer participation rate to enable them to meet the expectations of the community.</p> <p>Aging population also has serious implications for the workforce (including paid emergency services staff) and skills retention, the health status of the community, household structures, needs and perceptions of public safety.</p> |

| Context | Implications for future fire management |
|---|--|
| <p>Emergency Evacuation/Recovery:</p> <p>Coastline areas are subject to significant summertime seasonal population peaks, which is likely to continue to increase.</p> <p>“Sea change/tree change” trend to semi-rural lifestyles means more lives and assets are at risk from bushfires.</p> <p>EG covers a large geographical area with many small isolated “islands” of settlements.</p> | <p>Evacuation issues during a major bushfire. Major roads protected to aid with evacuation, emergency services access and recovery.</p> <p>CIGs and NSP and LIMPs will all require a greater commitment to community engagement.</p> |
| <p>Vulnerable/Disadvantage People:</p> <p>Pockets of vulnerable/disadvantaged people exist in almost all key towns and throughout rural and remote settlements (on the ABS Socio-economic Indexes for Areas (SEIFA) EG sits mid-range on the decile scale of 1-10). Vulnerable/disadvantaged people are less likely to look after themselves or to maintain fire safe properties which may result in greater risk for occupant and fire services. Likely to increase level of dependency on Emergency Management agencies. A history of major natural disasters – from fires (and floods) in recent years has further disadvantaged some communities.</p> | <p>Vulnerable/disadvantaged less likely to have the capacity or resilience to live in higher risk areas, respond or recovery from a bushfire. However, a range of communities are actively engaged in community planning processes¹⁷ and there is evidence that those communities have developed higher levels of capacity and resilience. Hence a greater demand for ‘targeted’ community engagement for those less resilient.</p> |
| <p>Structure Fire:</p> <p>Structure fires predominately occur in “Residential year round use” properties and “residential garages”.</p> | <p>Higher use of solid fuel fires increase risk.</p> |
| <p>Timber Plantations:</p> <p>EG Shire has a number of managed plantations, some 4,585 Ha, which historically have not been considered a major issue.</p> <p>Smaller unmanaged plantations on private property and Trust for Nature land (covenant on property Title) may be an issue.</p> | <p>CFA resources (Vegetation Management Officers) need to engage property owners to ensure property management is properly addressing bushfire risk.</p> |



Photo courtesy of HVP

¹⁷ Community Plans – East Gippsland Shire Council

| Context | Implications for future fire management |
|---|---|
| <p>Natural Resources:</p> <p>79.5 % of EG is public land, including large tracts of National and State Forest, snowfields and water catchments, much not easily accessible. By far the greatest known cause of bushfire on public land is 'lightning strike' followed by deliberately lit fires.</p> <p>EG has immense biodiversity value due to the relatively intact nature of its native vegetation. It is the only place in temperate mainland Australia where large tracts of native vegetation are intact from the Alps to the ocean. While fire is vital for maintaining the health and regeneration of our ecosystems, frequent severe bushfires can have devastating impacts on biodiversity, with few refuges left for recovery of both plants and animals.</p> | <p>Need to further improve the community's education and understanding of the risk posed by fire in the environment, the need for a broad range of risk reduction measures and an increased shared responsibility for risk, prevention and preparedness for bushfire.</p> <p>Fire management planning needs to consider biodiversity values and ecosystem services e.g. water, air quality, timber.</p> |
| <p>Economy:</p> <p>EG's economy is dominated by a few major industries: those at higher risk of bushfire are primary industries, transport and infrastructure and tourism.</p> <p>The widest impact on the Shire economy and settlement viability will be influenced by changes in growth or contraction in these sectors.</p> | <p>Tourism and its associated service industries and agriculture/forestry are particularly vulnerable to the impact of bushfires. Loss or closure of tourism icons i.e. Gippsland Lakes, Buchan Caves, Alpine high country will result in high economic losses – could be devastating for remote settlements.</p> |
| <p>Transport Links:</p> <p>The Shire has a major transport corridor along the Princes Hwy of both road and rail (as far as Bairnsdale) from west to east; with the Princes Hwy also being the main supply route to eastern NSW. Other important transport corridors include the Monaro Hwy and Great Alpine Road. As well as roads other infrastructure like water, gas and power distribution assets are also crucial to the Shire economy and settlement viability.</p> | <p>Infrastructure requires an integrated approach by owners and managers for bushfire prevention, preparedness, response and recovery to ensure the preservation of essential services and safe routes for supply, evacuation and emergency services workers.</p> |



Part 3 – Municipal Fire Management Objectives

The following table shows municipal fire management objectives aligning with the Gippsland Regional Strategic Fire Management Planning (RSFMP) objectives:

| Municipal Objectives | Gippsland Regional Objectives |
|--|--|
| <p>Key Theme 1 Planning together</p> <p>The East Gippsland Fire Management Planning Committee (FMPC) will consist of appropriate representatives from relevant fire agencies, local government and other agencies as appropriate. The committee will meet at least quarterly.</p> <p>The East Gippsland FMPC will:</p> <ul style="list-style-type: none"> • Carry out a municipal risk assessment and treatment analysis using an agreed consistent process i.e. Victorian Fire Risk Register- Bushfire (VFRR-B) • Use municipal environmental scan data to inform the planning process. • Carry out a stakeholder analysis and develop a communications plan which takes into account existing channels of communication and the needs of stakeholder groups including communities. | <p>Key Theme 1 Planning together</p> <p>The Gippsland Regional Strategic Fire Management Planning Committee (RSFMPC) will consist of appropriate representatives from government and other agencies as outlined in the IFMP framework and will meet at least quarterly.</p> <p>To support the development of Municipal Fire Management Plans (FMP's) for each Gippsland municipality the Gippsland RSFMPC will :</p> <ul style="list-style-type: none"> • Carry out a risk assessment for the Gippsland region which identifies Regional and above risks and provide a list of risks and recommended treatments to Gippsland Municipal Fire Management Planning Committees (FMPC's) for consideration in the development of their plans • Ensure each FMPC has access to demographic, climate and population statistics and forecasts for their municipality to assist in the planning process • Carry out a stakeholder analysis and develop a communications strategy which takes into account existing channels of communication and the needs of stakeholder groups and the broader community. |
| <p>Key Theme 2 Implementing collaboratively</p> <p>Member agencies of the East Gippsland FMPC will actively support the municipal planning process through the provision of appropriate staff, expertise and data.</p> | <p>Key Theme 2 Implementing collaboratively</p> <p>Member agencies of the Gippsland RSFMPC will actively support the municipal planning process through the provision of appropriate staff, expertise and data.</p> |

| Municipal Objectives | Gippsland Regional Objectives |
|---|--|
| <p>Key Theme 2 cont.</p> <p>Member agencies of the East Gippsland FMPC will contribute to the delivery of agreed works and treatments through inclusion in their agency business plans.</p> <p>For bushfire the East Gippsland FMPC will work with adjoining municipalities to ensure a seamless approach to fire management across boundaries.</p> | <p>Key Theme 2 cont.</p> <p>Member agencies of the Gippsland RSFMPC will contribute to the delivery of agreed works and treatments through inclusion in their agency business plans.</p> <p>For bushfire the RSFMPC will evaluate and monitor planning arrangements across municipal boundaries and will provide expert advice and assistance to ensure a seamless approach to fire planning across the region.</p> <p>The RSFMPC will work with adjoining regions and the NSW fire services to ensure a seamless approach to bushfire management across boundaries.</p> |
| <p>Key Theme 3 Building knowledge</p> <p>The East Gippsland FMPC will review municipal risks and treatments annually and provide any amendments to the MEMPC and the Gippsland RSFMPC.</p> <p>The East Gippsland FMPC will be reviewed for currency annually, after a major incident or as directed under legislation.</p> | <p>Key Theme 3 Building knowledge</p> <p>The RSFMPC will review regional risks annually and provide any amendments to relevant FMPC's for consideration.</p> <p>The Regional Strategic Fire Management Plan (RSFMP) will be reviewed for currency annually, after a major incident or after significant changes to the environment, agency composition or responsibilities, or regional infrastructure</p> |
| <p>Key Theme 4 Building capacity</p> <p>The East Gippsland FMPC will actively seek opportunities for stakeholder collaboration to improve outcomes for communities and to reduce duplication and agency workloads.</p> | <p>Key Theme 4 Building capacity</p> <p>The RSFMPC will actively seek opportunities for agency collaboration to improve outcomes for communities and to reduce duplication and agency workloads</p> |
| <p>Key Theme 5 Using fire</p> <p>The East Gippsland FMPC will actively encourage the use of planned fire to achieve positive ecological and community safety outcomes.</p> <p>The East Gippsland FMPC will work with fire agencies in the development of processes aimed at improving fire management on private land for community safety, as well as ecological purposes.</p> | <p>Key Theme 5 Using fire</p> <p>The RSFMPC will actively encourage the use of planned fire to achieve positive ecological and community safety outcomes</p> <p>The RSMPC will work with fire agencies in the development of policies and strategies aimed at improving fire management on private land for ecological as well as community safety purposes, and to achieve integration of complementary works on Private and Public land.</p> |

Plan Outcomes

- Focus on the preservation of life as a priority.
- Create a planning environment in East Gippsland which encompasses a whole of landscape approach to the management of fire, both planned and unplanned.
- Encourage the use of fire for ecological, as well as community safety outcomes across the landscape.
- Enable agencies to identify the need for, and to target structure fire mitigation works/treatments.
- Identify locations with the potential for chemical involved fire to enable the assessment of risk and treatment effectiveness
- Seek out efficiencies, both physical and financial based on a systematic risk based approach and delivered through collaboratively planning to achieve shared strategic goals and objectives.
- Strive for best practice outcomes through continual improvement.

Links to Other Plans

Primarily the 'links to other plans' table represents other agency/organisation plans relating to the Prevention Preparedness Response Recovery (PPRR) spectrum, refer Attachment E.



Photo courtesy of VicPol

Part 4 – Fire Management Risk Strategies

The underlying guiding principle which drives fire management objectives at all levels is; protection and preservation of life, property and the environment.

There are a range of standard fire management strategies and treatments which are applied across the State, region or municipality, and as such will not be listed against each identified asset in the Register of Assets at Risk or in the Multi Agency Worksplan purely as this would make these documents unwieldy. These standard fire management strategies and treatments are listed in the following sections below.

In addition the Register of Assets at Risk has been separated into the three fire risk elements Bushfire, Structure and Chemical:

- Attachment A-1 through to A-3

Bushfire Fire Risk Treatments

A range of bushfire mitigation strategies and treatments exist that are applied consistently across the State and municipality, these include:

- Provisions in the Victorian Planning Scheme
- Bushfire Management Overlays
- Provisions in the Building Code of Australia (BCA)
- Compliance and enforcement of legislation
- Declared Fire Danger Period and restrictions & Total Fire Ban day declarations
- Community information and warnings
- Powerline hazard tree identification, management and reporting
- Fire hazard inspection program and issue of notices
- Public awareness programs – multimedia communications
- Roadside vegetation management by VicRoads, FFMVic and municipal councils (a standard suite of treatments, broadly applied which includes slashing, burning, spraying and mechanical clearing)
- Fuel break maintenance/modification, helipad and water point maintenance FFMVic and PV
- Planned burning
- Council patrols and inspections
- Emergency management signage
- Event Management Plans
- Routine asset maintenance – Ausnet Services
- Bushfire Attack Level assessments for new buildings proposals
- EGSC Reserves are slashed for fire prevention

Where the FMPC has identified assets at risk from bushfire which require additional, specific treatments these are listed in Attachment A-1 Register of Assets at Risk - Bushfire. This attachment identifies initial risk ratings using the Victorian Fire Risk Register - Bushfire¹⁸ (VFRR-B) data, with current treatments then taken into account to establish a level of residual risk.

Individuals also need to understand their personal level of bushfire risk and to undertake their own mitigation measures, including to prepare and plan for bushfire and act upon their plans when required.

Recommendations from the Victorian Bushfires Royal Commission into the Black Saturday Fires 2009 have re-focused on a number of existing strategies with enhanced activities such as:

- Identifying Hazard Trees in relation to powerlines, refer Attachment C-1
- Community Information Guides (CIG), refer Attachment C-2
- Neighbourhood Safer Place - Place of Last Resort (NSP-PLR) during a bushfire, refer Attachment C-3
- Fire Refuges – none located in the East Gippsland Shire footprint, refer Attachment C-4
- Substantial increased planned burning on public land, refer Multi Agency Worksplan, Attachment B.
- Implement a systematic Statewide program of bushfire risk assessment for all roads and provision to ensure conformity with the obligations in Section 43¹⁹ of the Country Fire Authority Act 1958 and with the objectives expressed in the VicRoads 1985 Code of Practice.

Multi Agency Worksplan

Following the risk identification, analysis and evaluation process to establish the East Gippsland risk registers for Bushfire, Structure Fire and Fire Involving Chemicals this data was then used to create the Multi Agency Worksplan where the deliverable “treatments” are set out in detail along with the responsible agency or organisation for implementing the works over a three year period. The Multi Agency Worksplan can be found at Attachment B.



East Gippsland Shire Council, CFA and VicRoads planning the delivery of agreed roadside works and treatments through inclusion in their agency business plans.

¹⁸ VFRR-B Handout

¹⁹ Country Fire Authority Act 1958 – Sect 43

Part 5 – Improvement, Plan Reporting and Review Process

East Gippsland Shire Council has a legislative responsibility under the Emergency Management Act (1986) to develop a Municipal Emergency Management Plan (MEMP), and under the Country Fire Authority (CFA) Act 1958, to develop and implement a Municipal Fire Prevention Plan (MFPP).

This Fire Management Plan (FMP) is also a sub plan of the MEMP and as such is required to meet the same legislative requirements as the MFPP.

Audit Plan

This plan has a three year lifespan and expires in 2020 based around current audit requirements contained within Section 55B of the CFA Act.

The FMP must incorporate the provisions of Section 55A (2) of the CFA Act relating to fire risks and their treatment and will be deemed to meet the requirement for a municipal fire prevention plan under Section 55A (1) of the CFA Act.

Plan Review and Update

The plan will be reviewed and updated annually by the East Gippsland Fire Management Planning Committee (FMPC). This review will take into account works completed, environmental changes and any additional risks. Significant changes must be approved by the FMPC and articulated through the MEMPC to Council for adoption.

The plan may also be reviewed;

- Following significant incident's if required,
- As directed by the State or Regional Fire Management Planning Committees,
- As required by legislation.

The FMPC will report quarterly to the MEMPC and the RSFMPC.



Omeo Plains near Benambra from Mt Blowhard

Part 6 – Attachments

| | |
|----------------|--|
| Attachment A-1 | Register of Assets at Risk – Bushfire |
| Attachment A-2 | Register of Assets at Risk – Structure Fire |
| Attachment A-3 | Register of Assets at Risk – Fire Involving Chemicals |
| Attachment B | Multi Agency Worksplan |
| Attachment C-1 | Hazardous Trees Identification (Electrical Safety Act 1998) |
| Attachment C-2 | Community Information Guides and Local Incident Management Plans |
| Attachment C-3 | Neighbourhood Safer Places - Place of Last Resort |
| Attachment D | Brigade Maps (including: Fire Access Road Network, Static Water Supplies, and Fuel Management [fire break] Systems |
| Attachment E | Links to other plans |
| Attachment F | Stakeholder Distribution List |
| Attachment G | Glossary |
| Attachment H | Acronyms |
| Attachment I | References |

Attachment A: Register of Assets at Risk - Bushfire

| Register of Assets at Risk - Bushfire | | | | | | | | | | | | |
|---------------------------------------|--|------------------------|---|-------------|--|----------------|-------------|---------------|-----------------------------------|---|--------------------|--|
| Review Date: September 2018 | | | | | | | | | | | | |
| VFRR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19055 | Bairnsdale Christian School | Human Settlement – SFP | Direct attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 409 Site EM plans, other | Almost certain | Moderate | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Independent School Edu_primary_56974 |
| 1951779 | Bairnsdale SC | Human Settlement – SFP | Direct attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | M | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost Certain | Moderate | | No | | | Edu_secondary_84663 |
| 19085 | Bairnsdale, East Gippsland Specialist School, Calvert St | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Specialist School Edu_special_55949 |
| 19090 | Bairnsdale, East Gippsland Institute of TAFE | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 409 Site EM plans, other | Almost certain | Moderate | | No | 212 Routine Asset Site Maint. other | | Edu_take confirm assessment |
| 19082 | Bairnsdale, Gippsland Grammar – Bairnsdale Campus | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Edu_primary_56824 |
| 1951777 | Bairnsdale, Nagle College SC, Lindenow Rd, Bairnsdale | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | | | Edu_primary_54651 |
| 1951158 | Bairnsdale Neighborhood House Community Kindergarten | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | | Almost certain | Moderate | | | | | Edu_childreansservices_4380? |
| 1951778 | Bairnsdale, St Marys Nagle P12 | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | | | Include in township polygon Edu_primary_54555 |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|---|--------------------------------|---|-------------|--|----------------|--------------|---------------|-----------------------------------|--|--------------------|--|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19020 | Bairnsdale Interface, Wy Yung | Human Settlement – Residential | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | H | 100 Community Education, CFA 107 FRV, CFA 220 Power lines Clearance, SP Ausnet 231 Burn Programs (FOPs), FFV 303 Patrol/Inspection, PV | Almost certain | Minor | | No | 100 Community Education, CFA 107 FRV, CFA 220 Power lines Clearance, SP Ausnet 231 Burn Programs (FOPs), DELWP 303 Patrol/Inspection, PV | | Bruthen Heights CFG disbanded |
| 19033 | Banksia Peninsula | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 202 Burn Program, CFA | Likely | Major | | Yes | Fuel reduction, CFA (3-5 yr. rotation) 231 Burn Programs (FOPs), DELWP | | Rec_SCseveralschoolcamps |
| 19007 | Bemm River | Human Settlement – Residential | Direct flame attack (bushfire) From the North – Likely to spread Smoke impact as above | VH | 231 Burn Programs (FOPs), FFV 223 Strategic Fire Fuel Break (Full cut Sydenham Inlet road), LGA from 2012 303 Patrol/Inspection, PV 420 CIG, CFA | Likely | Major | | Yes | 410 LIMP, Community/LGA 223 Strategic Fire Fuel Break (Full cut Sydenham Inlet road), LGA from 2012 231 Burn Programs (FOPs), DELWP 303 Patrol/Inspection, PV 420 CIG, CFA | | |
| 1952152 | Bemm River Caravan Park | Human Settlement – SFP | Direct flame attack (Bushfire) from the North – Likely to spread Smoke impact & Ember attack as above | H | | Likely | Moderate | | Yes | | | Rec_cp |
| 19002 | Benambra | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 224 Roadside Veg Mngt, FFV/PV 223 Roadside Vegetation Management, Vic Roads: Fence to Fence South both sides of road from Hinnomunjie to Benambra 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community & LGA | Almost certain | Moderate | | No | 224 Roadside Veg Mngt, DELWP/PV 231 Burn Programs (FOPs), DELWP 303 Patrol/Inspection, PV | | Lake Omeo normally dry |
| 1951134 | Benambra Early Childhood Development Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 407 EM plan, DEECD | Almost certain | Moderate | | No | 231 Burn Programs (FOPs), DELWP | | Edu_childrensservices_61319 |
| 19092 | Boole Poole, Mosquito Point | Human Settlement – other | Direct flame attack (Bushfire) from the South West – Likely to spread Smoke impact & Ember attack as above | Ext | 231 Burn Program (FOPs), FFV 403 Fire Mngt Plan, PV | Almost certain | Catastrophic | | Yes | Development of new FMP 800 | | Access/egress is by water Current FMP 2007 is for Boole Poole |
| 1951147 | Bruthen Boorai Childrens Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | | Almost certain | Moderate | | | | | Edu_childrensservices_61317 |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|--|--------------------------------|---|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19022 | Bruthen (and Wiseleigh) | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 100 Community Education, CFA 106 Community Fire Guard, CFA 107 FRV, CFA 223 Roadside Vegetation Management, Hazardous tree removal Bruthen-Nowa Nowa road – Bruthen to Nowa Nowa, VicRoads 223 Roadside Vegetation Management, Hazardous tree removal Great Alpine road – Bruthen to Bairnsdale, VicRoads 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | Yes | 100 Community Education, CFA 106 Community Fire Guard, CFA 107 FRV, CFA 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP | | |
| 19093 | Bruthen PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | CODE RED CLOSURE 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Edu_primary_56467 |
| 19053 | Bruthen, Tambo Upper PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | VH | CODE RED CLOSURE 407 EM Plan, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Edu_primary_56547 |
| 1951145 | Bruthen, Tambo Upper After School care | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | VH | CODE RED CLOSURE 407 EM Plan, DEECD | Almost certain | Moderate | | No | | | Edu_Childrensservices_59234 |
| 1951146 | Bruthen Kindergarten | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | CODE RED CLOSURE 407 EM Plan, DEECD | Almost certain | Moderate | | No | | | Edu_Childrensservices_61137 |
| 19026 | Buchan | Human Settlement – Residential | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 100 Community Education, CFA 220 Power lines Clearance, SPAusnet 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community & LGA | Likely | Moderate | | Yes | 100 Community Education, CFA 220 Power lines Clearance, SPAusnet 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | W Tree CFG is inactive |
| 19079 | Buchan PS | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | CODE RED CLOSURE 407 EM Plan, DEECD | Likely | Moderate | | No | 407 EM Plan, DEECD | | Edu_Primary_56525 |
| 1951164 | Buchan Early Childhood Development Centre | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | CODE RED CLOSURE 407 EM Plan, DEECD | Likely | Moderate | | No | | | Edu_childrensservices_61355 |
| 19062 | Buchan, Stonehenge Caravan Park and Camping ground | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 409 Site EM plans, other | Likely | Moderate | | No | | | Rec_cpec_cg |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|----------------|--|--------------------------------|---|-------------|---|----------------|-------------|---------------|-----------------------------------|--|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| Refer to 19024 | Bumberrah – refer to Twin Rivers | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 1951170 | BungYarnda Child Care Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | H | | Likely | Moderate | | | | | Edu_childreansservices_61351 |
| 19006 | Cann River | Human Settlement – Residential | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 231 Burn Program (FOPs), FFV 223 Strategic Fire Fuel Break (“full cut” Princes Hwy & Manaro Hwy), VicRoads 303 Patrol/Inspection, PV 420 CIG, CFA 410 LIMP, Community & LGA | Almost certain | Moderate | | No | 202 Burn Program, CFA 223 Strategic Fire Fuel Break (“full cut” Princes Hwy & Manaro Hwy), VicRoads 303 Patrol/Inspection, PV 420 CIG, CFA 432 | | Chandlers Ck & Dist. CFG disbanded. |
| 19040 | Cann River P12 | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 100 Community Education, CFA CODE RED CLOSURE 407 EM Plan, DEECD 421 Community Activity/Planning DEECD | Likely | Major | | No | 407 EM Plan, DEECD 421 Community Activity/Planning DEECD | | NSP Location Edu_Prisec_56630 |
| 1951172 | Cann Valley Community Kindergarten | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | CODE RED CLOSURE 407 EM Plan, DEECD | Almost certain | Moderate | | No | | | Edu_childreansservices_61344 |
| 19070 | Cape Conran Coastal Park | Human Settlement – SFP | Direct flame attack (Bushfire) from the North – Likely to spread Smoke impact & Ember attack as above | | 231 Burn Program (FOPs), FFV 442 Emergency Mngt Plan (site), PV | Almost certain | Major | | No | 800 | | Rec_misc |
| 19042 | Cape Conran, Jungle Beach Caravan Park, Burbang Rd | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Almost certain | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP |
| 19052 | Clifton Creek PS | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD Code Red Closure | Almost certain | Moderate | | No | 100 Community Education, CFA 407 EM Plan, DEECD 421 Community Activity/Planning DEECD | | Edu_primary_56622 |
| 1951781 | Dala Yooro | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost certain | Moderate | | | | | Edu_childreansservices_61929 |
| 19016 | Eagle Point | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | 100 Community Education, CFA 106 Community Fire Guard, CFA 224 Roadside Veg Mngt, FFV?PV 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | No | 100 Community Education, CFA 106 Community Fire Guard, CFA 224 Roadside Veg Mngt, DELWP?PV 231 Burn Program (FOPs), DELWP | | Private property escaped burns |

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|---------------|---|--------------------------------|---|-------------|--|----------------|-------------|---------------|-----------------------------------|---|--------------------|-----------------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19054 | Eagle Point PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_55311 |
| 1952104 | Eagle Point Hut | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | | Likely | Moderate | | | | | REC_sct |
| 1951148 | Eastwood Childcare and Kindergarten | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost certain | Moderate | | | | | Edu_childreansservices_58371 |
| 19004 | Ensay | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SPAusnet 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community & LGA | Almost certain | Moderate | | No | 100 Community Education, CFA 220 Power lines Clearance, SPAusnet 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 432 ? | | Threatened 2012 Lightning strikes |
| 1952153 | Fellows 20 Caravan Park | Human Settlement – SFP | Direct flame attack (bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Rec_cp |
| 1951162 | Gelantipy Bush Nursing and Early Childhood Development Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost certain | Moderate | | | | | Edu_childreansservices_60953 |
| 1951150 | Gippsland Grammer Early Learning Centre – Wy Yung | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost certain | Moderate | | | | | Edu_childreansservices_58687 |
| 19038 | Goongerah PS | Residential | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD Code Red Closure | Almost certain | Major | | No | 100 Community Education, CFA 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_55990 |
| 19034 | Iguana Creek, Coonawarra Farm Resort, Bairnsdale-Dargo rd. | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_SC REC_misc |
| 19067 | Iguana Creek, Echo Bend Caravan Park | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|--|--------------------------------|---|-------------|---|----------------|-------------|---------------|-----------------------------------|--|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| Ref 19024 | Johnsonville – refer Twin Rivers | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 1952513 | Karoonda Park School Camp | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost Certain | Moderate | | | | | EDU_SC |
| 19081 | Lake Tyers Aboriginal Trust | Human Settlement – other | Direct flame attack (Grass) from the North – Likely to spread Smoke impact & Ember attack as above | | 409 Site Plan, LTAT (farm maintenance) | Likely | Major | | No | 409 Site Plan, LTAT (farm maintenance) | | |
| 19063 | Lake Tyers Beach Caravan Park and Lakes Beachfront Holiday Retreat | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Almost certain | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP Rec_mis Arson in area |
| 19047 | Lake Tyers, Toorloo Arm PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Edu-primary_56634 |
| 1951140 | Lakes Entrance Early Learning Centre | Human Settlement – SFP | Smoke impact & Ember attack | | | Unlikely | Moderate | | | | | Edu_childreansservices_5 8576 |
| 1951142 | Lakes Aquadome Creche | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Edu_childreansservices_6 0699 |
| 1952151 | Lakes Entrance North | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact as above | | | Likely | Major | | | | | |
| 1951143 | Lakes Entrance OSHC | Human Settlement – SFP | Smoke impact & Ember attack | | | Unlikely | Moderate | | | | | Edu_childreanservices_49 34? |
| 19058 | Lindenow PS, Henry St | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu-primary_55034 |

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|--------------|---|--------------------------------|---|-------------|---|----------------|--------------|---------------|-----------------------------------|--|--------------------|-----------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 1951160 | Lindenow and District Kindergarten | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | | Almost certain | Moderate | | | | | Edu_childrensservices_57154 |
| 19057 | Lindenow South PS | Human settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu-primary_55280 |
| 19084 | Lucknow, Glenvale School, 112 Great Alpine Rd | Human settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD | | Edu-primary_56987 |
| 19005 | Mallacoota | Human Settlement – Residential | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 107 FRV, CFA 220 Power lines Clearance, SP Ausnet 223 Strategic Fire Fuel Break (“full cut” outskirts of town), VicRoads 223 Roadside Vegetation Management, VicRoads: Fence to Fence cut both sides of road from Genoa to Mallacoota. 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 420 CIG, CFA | Almost certain | Catastrophic | | Yes | 410 LIMP, Community/LGA 107 FRV, CFA 220 Power lines Clearance, SP Ausnet 223 Strategic Fire Fuel Break (“full cut” outskirts of town), VicRoads 223 Roadside Vegetation Management, VicRoads: Fence to Fence cut both sides of road from Genoa to Mallacoota. 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 420 CIG, CFA | | |
| 1951135 | Mallacoota Kindergarten, 23 Greer St. | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD | Almost certain | Major | | | | | Edu_ChildrensServices_61110 |
| 19039 | Mallacoota P12 | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_prisec_56615 |
| 19066 | Mallacoota, A’Wangralea caravan Park, Mallacoota | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Almost certain | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP unaware of plans |
| 19032 | Mallacoota, MLC School Camp “Marshmead”, Ferngully TK | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 407 Em Plan | Likely | Moderate | | No | 100 Community Education, CFA 423 | | Edu_prisec_57050 |
| 19064 | Mallacoota, Shady Gully Caravan Park, Mallacoota | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Almost certain | Catastrophic | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP unaware of plans |

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|--------------|---|--------------------------------|---|-------------|--|----------------|--------------|---------------|-----------------------------------|---|--------------------|--|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19010 | Marlo | Human Settlement – Residential | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 107 FRV, CFA 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV | Likely | Minor | | No | 100 Community Education, CFA 107 FRV, CFA 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 19100 | Marlo PS | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Minor | | No | 407 EM Plan, DEECD | | Edu_primary_56608 |
| 19043 | Marlo, Alpine School – Snowy Campus, Aerodrome Rd | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Major | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_camp_56771 |
| 19015 | Metung / Nungurner | Human Settlement – Residential | Direct flame attack (Bushfire) from the North – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV | Likely | Catastrophic | | No | 100 Community Education, CFA 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 19049 | Metung PS | Human Settlement – SFP | Direct flame attack (Bushfire) from the North – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Catastrophic | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56582 |
| 19078 | Mount Taylor Surrounds | Human Settlement – Other | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 231 Burn Program (FOPs), FFV | Almost certain | Catastrophic | | No | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP 423 | | Nth / nth west |
| 19018 | Newlands Arm | Human Settlement – Residential | Direct flame attack (Grass) from the West – Likely to spread Smoke impact as above | | 100 Community Education, CFA 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV | Likely | Moderate | | No | 100 Community Education, CFA 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | One way in/out. Retirees, holiday homes. Potential from sth. |
| 19009 | Newmerella | Human settlement – residential | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 220 Power lines Clearance, SP Ausnet 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV | Almost certain | Major | | No | 220 Power lines Clearance, SP Ausnet 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 19044 | Newmerella PS | Human Settlement – PS | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_55270 |

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|--------------|---|--------------------------------|--|-------------|--|----------------|--------------|---------------|-----------------------------------|--|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| Ref 19024 | Nicholson – refer to Twin Rivers | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 19041 | Noorinbee PS | Human Settlement – SFP | Direct flame attack (Bushfire) from the East – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Major | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56605 |
| 19011 | Nowa Nowa | Human Settlement – Residential | Direct flame attack (Bush) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 106 Community Fire Guard, CFA 202 Burn Program, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, Hazardous tree removal Nowa Nowa to Bruthen, VicRoads 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 420 CIG, CFA | Likely | Catastrophic | | Yes | 100 Community Education, CFA 106 Community Fire Guard, CFA 202 Burn Program, CFA 220 Power lines Clearance, SP Ausnet 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 410 LIMP, Community/LGA 420 CIG, CFA | | Mainly from nth |
| 19061 | Nowa Nowa Caravan Park | Human Settlement – SFP | Direct flame attack (Bush) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Catastrophic | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_Cp unaware of plans |
| 19046 | Nowa Nowa PS | Human Settlement – SFP | Direct flame attack (Bush) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Major | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56623 |
| 19060 | Nowa Nowa, Mingling Waters Caravan Park | Human Settlement – SFP | Direct flame attack (Bush) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Catastrophic | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP unaware of plans |
| 19048 | Nungurner PS | Human Settlement – SFP | Direct flame attack (Bush) from the North – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Catastrophic | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56643 |

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|--------------|--|--------------------------------|---|-------------|---|---------------|-------------|---------------|-----------------------------------|---|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19001 | Omeo | Human Settlement – Residential | Direct flame attack (Grass & Bushfire) from the North West – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 106 Community Fire Guard, CFA 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Omeo to Swifts creek. 223 Roadside Vegetation Management, VicRoads: Hazardous tree removal Great alpine road – Bruthen to Bairnsdale 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community/LGA | Almost likely | Moderate | | No | 100 Community Education, CFA 106 Community Fire Guard, CFA 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 432 | | Burnt into town Jan 2003. Town burnt in past history Lightning strikes |
| 1951167 | Omeo Kindergarten / Early development Centre | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from the North West – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Edu_childreansservices_61341 |
| 19068 | Omeo Caravan Park | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Rec_CP unaware of plans |
| 19029 | Omeo Hospital, Easton st | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Moderate | | No | Validate effectiveness of EMP 409 Site EM plans, other | | HLTH_HOSP |
| 19035 | Omeo PS | Human Settlement – SFP | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56750 |
| 19008 | Orbost | Human settlement – Residential | Smoke impact & Ember attack from all directions | | 220 Power lines Clearance, SP Ausnet 231 Burn Program (FOPs), FFV | Unlikely | Minor | | No | 106 Community Fire Guard, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 19045 | Orbost North PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_55541 |
| 19098 | Orbost PS | Human Settlement – SFP | Smoke impact & Ember attack from all directions | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Unlikely | Moderate | | No | 407 EM Plan, DEECD | | Edu_primary_55246 |
| 1951783 | Orbost SC | Human Settlement – SFP | Smoke impact & Ember attack from all directions | | | Unlikely | Moderate | | | | | Edu_secondary_56165 |

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|--------------|--|--------------------------------|---|-------------|---|----------------|--------------|---------------|-----------------------------------|---|--------------------|-------------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19099 | Orbost, St Joseph's PS, Ruskin St, Orbost | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Unlikely | Moderate | | No | 407 EM Plan, DEECD | | Edu_primary_54517 |
| 19030 | Orbost Hospital, Boundary Rd | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Moderate | | No | 409 Site EM plans, other | | HLTH_HOSP |
| 1951137 | Orbost Early Education Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | Yes | | | Edu_childreansservices_6 0923 |
| 1951138 | Orbost Cluster School OSHC | Human Settlement – SFP | Smoke impact & Ember attack from all directions | | | Unlikely | Moderate | | Yes | | | Edu_childreansservices_5 9227 |
| 1951139 | Orbost Kindergarten | Human Settlement – SFP | Smoke impact & Ember attack from all directions | | | Unlikely | Moderate | | Yes | | | Edu_childreansservices_5 7984 |
| 19104 | Orbost Interface | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 106 Community Fire Guard, CFA 220 Power lines Clearance, SP Ausnet 223 Strategic Fire Fuel Break (“full cut” Princes Hwy & Bonang Rd), VicRoads 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from 5km north of Orbost back to Orbost 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV | Likely | Minor | | No | 106 Community Fire Guard, CFA 220 Power lines Clearance, SP Ausnet 223 Strategic Fire Fuel Break (“full cut” Princes Hwy & Bonang Rd), VicRoads 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from 5km north of Orbost back to Orbost 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 19017 | Paynesville Interface | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 231 Burn Program (FOPs), FFV | Almost certain | Minor | | No | 100 Community Education, CFA 231 Burn Program (FOPs), DELWP | | |
| 19019 | Raymond Island | Human Settlement – Residential | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 106 Community Fire Guard, CFA 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community/LGA | Likely | Catastrophic | | No | 100 Community Education, CFA 106 Community Fire Guard, CFA 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV | | |
| 1951171 | Save the Children Kindergarten – Nowa Nowa | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Major | | | | | Edu_childreansservices_6 1162 |

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|--------------|--|--------------------------------|---|-------------|---|----------------|-------------|---------------|-----------------------------------|---|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19077 | Sarsfield | Human Settlement – Other | Direct flame attack (Grass & Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 221 Power lines Clearance, Telstra 231 Burn Program (FOPs), FFV | Almost certain | Major | | No | 100 Community Education, CFA 203 Crown Land Fuel Reduction, DELWP 202 Burn Program, CFA 221 Power lines Clearance, Telstra 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 423 | | |
| Ref 19024 | Swan reach – refer to Twin Rivers | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 19003 | Swifts Creek | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Omeo to swifts creek 223 Roadside Vegetation Management, VicRoads: Hazardous tree removal Great Alpine Road – Bruthen to Bairnsdale 231 Burn Program (FOPs), FFV 303 Patrol/Inspection, PV 410 LIMP, Community/LGA | Almost certain | Moderate | | No | 220 Power lines Clearance, SP Ausnet 231 Burn Program (FOPs), DELWP 303 Patrol/Inspection, PV 432 | | Lightning strikes |
| 1952485 | Swifts Creek PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Moderate | | No | | | Edu_primary_56418 |
| 1952486 | Swifts Creek SC | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Edu_secondary_56419 |
| 1951165 | Swifts Creek Kindergarten / Early Childhood Development Centre | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Edu_childrengservices_61342 |
| 1951144 | Swifts Creek Kindergarten | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | | | Edu_childrengservices_61138 |
| 1951166 | Swifts Creek Community Centre Childcare | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | Edu_childrengservices_61343 |

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|--------------|---|--------------------------------|---|-------------|---|----------------|--------------|---------------|-----------------------------------|--|--------------------|---|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| Ref 19024 | Tambo Upper – refer Twin Rivers | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 19072 | Tamboon, Peach Tree Camp site | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 442 Emergency Mngt Plan (sire), PV | Almost certain | Catastrophic | | No | 100 Community Education, CFA | | Camp Sites and residential hamlets and boat access only to tamboon south Rec_Misc_Campsite |
| Ref 19013 | Toorloo Arm – refer Lake Tyers/Lake Tyers beach | | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | | | | | | | |
| 19080 | Tubbut PS | Human Settlement – SFP | Direct flame attack (Bushfire) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Major | | Yes | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_prisec_55991 |
| 19024 | Twin Rivers (Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper) | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 100 Community Education, CFA 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads Fence to fence cut both sides of road from Lucknow to Swan Reach 231 Burn Program (FOPs), FFV | Almost certain | Major | | Yes | 100 Community Education, CFA 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 303 Patrol/Inspection, PV 423 410 LIMP, Community/LGA | | Swan Reach, Bumberrah, Johnsonville, Nicholson, Tambo Upper Internal pockets of bush |
| 19069 | (Twin Rivers) Lakes Bushland Caravan Park, Nicholson | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 409 Site EM plans, other | Likely | Major | | Yes | Validate effectiveness of EMP 409 Site EM plans, other | | Located south of trust for nature property REC_CP |
| 19051 | (Twin Rivers) Nicholson PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56518 |
| 19050 | (twin Rivers) Swan Reach PS | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Almost certain | Moderate | | No | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | | Edu_primary_56508 |

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|--------------|--|--------------------------------|--|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| Ref 19022 | Wiseleigh – refer Bruthen | Human Settlement – Residential | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | VH | 100 Community Education, CFA 106 Community Fire Guard, CFA 107 FRV, CFA 223 Roadside Vegetation Management, Hazardous tree removal Bruthen-Nowa Nowa road – Bruthen to Nowa Nowa, VicRoads 223 Roadside Vegetation Management, Hazardous tree removal Great Alpine road – Bruthen to Bairnsdale, VicRoads 224 Roadside Veg Mngt, FFV/PV 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | Yes | 100 Community Education, CFA 106 Community Fire Guard, CFA 107 FRV, CFA 224 Roadside Veg Mngt, DELWP/PV 231 Burn Program (FOPs), DELWP | | |
| 1951161 | Woodglen PS, Woodglen Rd Lindenow PS Woodglen Campus | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact as above | | 407 EM Plan, DEECD 421 Community Activity/Planning, DEECD | Likely | Moderate | | No | | | Edu_primary_55035 |
| 1952101 | 1 st Colquhoun Sea Scouts | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Major | | | | | REC_sct |
| 1952102 | 1 st Orbost | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Likely | Moderate | | | | | REC_sct |
| 1952125 | 1 st Bruthen | Human Settlement – SFP | Direct flame attack (Grass) from all directions – Likely to spread Smoke impact & Ember attack as above | | | Almost Certain | Moderate | | | | | REC_sct |
| 19220 | Hardwood Plantations | Economic – Commercial Forest | Direct fire impact any direction Ember attack as above | | 205 Fuel Hazard mngt, other 231 Burn Program (FOPs), FFV 300 Ignition Mngt, HVP Emergency Water Supply 409 Site EM plans, other 413 Fire Access Roads/Tracks, LGA | Almost certain | Major | | | 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 205 Fuel Hazard mngt, other 300 Ignition Mngt, HVP | | |
| 19221 | Softwood Plantations | Economic – Commercial Forest | Direct fire impact any direction Ember attack | | 205 Fuel Hazard mngt, other 231 Burn Program (FOPs), FFV 300 Ignition Mngt, HVP Emergency Water Supply 409 Site EM plans, other 413 Fire Access Roads/Tracks, LGA | Almost certain | Major | | | Industry mngt Plans, Unmanaged sites, PP conditions apply only for over 99Ha 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 205 Fuel Hazard mngt, other 300 Ignition Mngt, HVP | | |
| 19205 | Bairnsdale Power Station (SP Ausnet) | Economic – Infrastructure | Consultation required with SP Ausnet | | 409 Site EM plans, other | Almost certain | Major | | | 409 Site EM plans, other | | Liaise with SP Ausnet |

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|--------------|-----------------------|---------------------------|--|-------------|---|----------------|-------------|---------------|-----------------------------------|---|--------------------|-------------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19255 | Bairnsdale Rail Line | Economic – Infrastructure | | | 209 Routine Maint of Rail Line, utility | Almost certain | Minor | | | 209 Routine Maint of Rail Line, utility | | |
| 19209 | Princes Hwy West | Economic – Infrastructure | Consultation required with VicRoads Regional impact, Low recovery | | 221 Power lines Clearance, Telstra 223 Roadside Vegetation Management, VicRoads: Fence to fence cut North side of road from Providence ponds to hillside 223 Roadside Vegetation Management, VicRoads: fence to fence South side of road from east of Redcourt Ln to Anderson Ln 223 Roadside Vegetation Management, VicRoads: fence to fence cut North side of road from Anderson Ln to Bairnsdale 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | | 221 Power lines Clearance, Telstra 223 Roadside Vegetation Management, VicRoads: Fence to fence cut North side of road from Providence ponds to hillside 223 Roadside Vegetation Management, VicRoads: fence to fence South side of road from east of Redcourt Ln to Anderson Ln 223 Roadside Vegetation Management, VicRoads: fence to fence cut North side of road from Anderson Ln to Bairnsdale | | Providence Ponds to Nowa Nowa |
| 19206 | Princes Hwy Central | Economic – Infrastructure | Consultation required with VicRoads National / State impact, Low recovery | | 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: Fence to Fence cut both sides of road from Lucknow to Swan Reach | Almost certain | Moderate | | | 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: Fence to Fence cut both sides of road from Lucknow to Swan Reach | | Nowa Nowa to Cann River |
| 19207 | Princes Hwy East | Economic – infrastructure | Consultation required with VicRoads Alternate routes available | | 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Newmerella to 4km east of Orbost 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from 5km west of Cann River back to Cann River 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Cann River to 5km east of Cann River 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Genoa Park Rd to Park Rd | Almost certain | Moderate | | | 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Newmerella to 4km east of Orbost 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from 5km west of Cann River back to Cann River 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Cann River to 5km east of Cann River 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Genoa Park Rd to Park Rd | | Cann River to border |
| 19208 | Mallacoota Road | Economic – Infrastructure | Consultation required with VicRoads Local impact, Low recovery | | 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Genoa to Mallacoota | Almost certain | Minor | | | 222 | | |
| 19210 | Buchan Gelantipy Road | Economic – Infrastructure | Local impact, low recovery | | | Almost certain | Minor | | | 222 | | |

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|---------------------------------------|--|---------------------------|--|-------------|---|----------------|-------------|---------------|-----------------------------------|---|--------------------|--------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19241 | Monaro Hwy | Economic – Infrastructure | Consultation required with VicRoads | | 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Noorinbee to Cann River | Almost certain | Moderate | | | 222 223 Roadside Vegetation Management, VicRoads: fence to fence cut both sides of road from Noorinbee to Cann River | | |
| 19242 | Omeo Hwy | Economic – Infrastructure | Consultation required with VicRoads | | | Almost certain | Minor | | | 223 Roadside Vegetation Management, VicRoads: | | |
| 19243 | Great Alpine Road | Economic – Infrastructure | Consultation required with VicRoads | | 231 Burn Program (FOPs), FFV 220 Power lines Clearance, SP Ausnet 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Omeo to Swifts Creek 223 Roadside Vegetation Management, Hazardous tree removal Great Alpine Road – Bruthen to Bairnsdale VicRoads: | Almost certain | Minor | | | 202 Burn Program, CFA 220 Power lines Clearance, SP Ausnet 222 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Omeo to Swifts Creek 223 Roadside Vegetation Management, Hazardous tree removal Great Alpine Road – Bruthen to Bairnsdale VicRoads: | | |
| 19244 | Sydenham Inlet Road – only access / egress to Bemm River | Economic – Infrastructure | | | 220 Power lines Clearance, SP Ausnet | Almost certain | Minor | | No | 220 Power lines Clearance, SP Ausnet 222 | | |
| 19217 | Iguana Creek Bridge, Dargo Rd (VicRoads) | Economic – Infrastructure | Direct fire impact nil Ember attack to surrounding veg Local impact, moderate recovery | | | Likely | Moderate | | Yes | Take time to rebuild 204 | | |
| 19218 | McKillops Bridge (VicRoads) | Economic – Infrastructure | Local impact, moderate recovery | | 413 Fire Access Roads/Tracks, LGA | Almost certain | Moderate | | Yes | Measuring disruption, local community economic loss 413 Fire Access Roads/Tracks, LGA | | Burnt 2012 (minor) |
| 19212 Routine Asset Site Maint. other | Multi Agency Emergency Communications Towers x 20 | Economic – Infrastructure | Disruption to operations, o manage fire fight – does this add to losses Trunking, IMT, crews on the GND no RFW National/State level impact | | 215 Routine Asset Site Maint. FFV/PV 220 Power lines Clearance, SP Ausnet | Almost certain | Major | | Yes | Check if VFRR have i.d site specific for criticality 202 Burn Program, CFA 215 Routine Asset Site Maint. DELWP/PV 220 Power lines Clearance, SP Ausnet | | |
| 19240 | Aircraft Navigation Tower, Mt Livingston | Economic – Infrastructure | Direct fire impact from N NW S | | 231 Burn Program (FOPs), FFV 409 Site EM plans, other | Almost certain | Moderate | | Yes | Review site management planning 800 | | |

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|--------------|----------------------------------|---------------------------|---|-------------|--|----------------|-------------|---------------|-----------------------------------|---|--------------------|--|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19213 | Marlo Aerodrome | Economic – Infrastructure | Direct fire impact from all directions Ember attack as above Local impact, low recovery | | 203 Crown Land Fuel Reduction, FFV Crown Land Fuel Reduction, FFV 216 Routine Asset Site Maint, LGA 410 Airport EM Plan, LGA | Almost certain | Minor | | | 203 Crown Land Fuel Reduction, DELWP Crown Land Fuel Reduction, DELWP 212 Routine Asset Site Maint. other | | Multiple comms. On each tower |
| 19214 | Benambra Airfield | Economic – Infrastructure | Direct impact from N W S | | 216 Routine Asset Site Maint, LGA | Likely | Minor | | | 205 Fuel Hazard mngt, other | | DELWP use for bombing Strategic importance as a DELWP fire base |
| 19215 | Bairnsdale Airport | Economic – Infrastructure | Direct fire impact from Grass from N and NW Ember attack n/a Regional impact, low recovery | | 212 Routine Asset Site Maint. Other Routine Asset Site Maint. Other 409 Site EM plans, other | Almost Certain | Moderate | | | 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 212 Routine Asset Site Maint. other Routine Asset Site Maint. other 409 Site EM plans, other | | DELWP retardant base & weather station |
| 19216 | Mallacoota Airport | Economic – Infrastructure | Direct fire impact from (forest) all around Regional impact, low recovery | | 216 Routine Asset Site Maint, LGA 203 Crown Land Fuel Reduction, FFV Crown Land Fuel Reduction, FFV 205 Fuel Hazard mngt, other 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | Yes | 202 Burn Program, CFA 203 Crown Land Fuel Reduction, DELWP 205 Fuel Hazard mngt, other | | Air Ambulance & tourism |
| 19211 | Patricia Baleen Gas Plant | Economic – Infrastructure | Direct fire impact from N & NW Ember attack, plant to shut down due to potential danger of processing gas. | | 409 Site EM plans, other | Almost certain | Major | | No | 409 Site EM plans, other | | Can be shut down & evacuated in 24 hours |
| 19219 | Gas Metering Station, Newmerella | Economic – Infrastructure | Direct fire impact from SW Impact – shuts down | | 220 Power lines Clearance, SP Ausnet 409 Site EM plans, other | Almost certain | Moderate | | | 203 Crown Land Fuel Reduction, DELWP 220 Power lines Clearance, SP Ausnet 303 Patrol/Inspection, PV 409 Site EM plans, other 423 | | |
| 19278 | Lindenow Basin | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19279 | Wy Yung Basin | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Major | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

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|---------------|---------------------|---------------------------|--|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19263 | Rocky River Weir | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19245 | Omeo WWTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19246 | Omeo HL Tank | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19247 | Omeo LL Tank | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19248 | Omeo WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19249 | Butchers Creek Weir | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19250 | Swifts Creek WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19251 | Swifts Creek WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19252 | Buchan WPS and WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

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|--------------|----------------------------------|---------------------------|--|-------------|--|------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19253 | Buchan Tank Farm and Chlorinator | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19254 | Mallacoota WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19256 | Mallacoota WWTP and Irrigation | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19257 | Betka River Pumps and Bore | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19258 | Cann River WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19259 | Cann River WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19260 | Cann River WWTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19261 | Bemm River WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

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|--------------|--------------------------------|---------------------------|--|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-------------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19262 | Bemm River WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19264 | Brodribb River WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19265 | Orbost WTP and CWS and WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19266 | Orbost RWS and WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19267 | Newmerella WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19268 | Newmerella Tank | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Possible | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19269 | Newmerella WWTP and Irrigation | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19270 | Marlo MSPL | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | Main (water) supply pipe line |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|-------------------------------------|---------------------------|--|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19271 | Glenaladale WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19272 | Butchers Creek Main Supply Pipeline | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19273 | Woodglen Bores 1-5 | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19274 | Woodglen Stores and WTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Major | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19276 | Lindenow South WPS and Chlorinator | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19282 | Aerodrome Elevated Tank, Bairnsdale | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19283 | Aerodrome Elevated Tank, Bairnsdale | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19284 | Bairnsdale WWTP | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Unlikely | Major | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|--|---------------------------|--|-------------|--|------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19285 | Paynesville Road Booster PS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19286 | Eagle Point WPS and Chlorinator and CWS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Unlikely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19287 | Paynesville WWTP and Irrigation | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19288 | Duncan’s Rd WPS and Chlorinator, Sarsfield | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19289 | 11 Mile Tank, Sarsfield | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19290 | Sarsfield Basin and Chlorinator and Tank | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19291 | Bruthen HL Chlorinator | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19292 | Cunningham Hill Booster PS, Swan Reach | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

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|--------------|---|---------------------------|--|-------------|--|----------------|-------------|---------------|-----------------------------------|--|--------------------|-----------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19293 | Metung WWTP and Irrigation | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19294 | Metung WPS and Chlorinator and CWS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19295 | Bennett’s Brook Booster PS, Swan Reach | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Moderate | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19296 | Bruce’s Track WW Irrigation, Swan Reach | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19297 | Sunlakes Basin and Chlorinator and HL Tank, lakes Entrance | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Unlikely | Major | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19298 | Lakes Entrance Depot and WWTP and Booster Pump Station and Golf Links Road Transfer WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Major | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19299 | Nowa Nowa Tank and Chlorinator | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19300 | Toorloo Chlorinator and WPS | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19304 | Rocky River Diversion Main | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Almost certain | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |

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|--------------|--|---------------------------|--|-------------|--|----------------|--------------|---------------|-----------------------------------|--|--------------------|-----------------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19308 | Mallacoota Bore 2 | Economic – Infrastructure | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19309 | Metung Irrigation | Bushfire – Economic | Consultation required with East Gippsland Water | | 214 Routine Asset Site Maint. East Gippsland Water | Likely | Minor | | | 214 Routine Asset Site Maint. East Gippsland Water | | |
| 19237 | Mallacoota Abalone Co Op | Economic – Commercial | Direct fire impact from bush to the SW Ember attack as above | | 231 Burn Program (FOPs), FFV | Almost certain | Moderate | | | 303 Patrol/Inspection, PV | | |
| 19238 | HSR Seeds, Near Newmerella | Economic – Commercial | Direct fire impact from North, West through to South | | 231 Burn Program (FOPs), FFV 409 Site EM plans, other | Almost certain | Major | | No | 303 Patrol/Inspection, PV | | National and interstate |
| 19310 | Patties 161-169 Princes Hwy, Bairnsdale | Commercial | Direct fire impact unlikely | | | Almost certain | Minor | | No | 800 | | |
| 19407 | MacLeod’s Morass | Environment – Vulnerable | Direct fire impact nil | | | Likely | Major | | No | 800 | | |
| 19601 | Washington Winch (timer), Nunniong Rd | Cultural | Direct fire impact from North, West through to South Ember attack as above | | 231 Burn Program (FOPs), FFV 215 Routine Asset Site Maint. FFV/PV | Almost certain | Catastrophic | | No | 204 | | Vic Heritage Register |
| 19602 | Stringers Knob Fire Tower (timer), Bete Belong | Cultural | Direct fire impact from (forest) all around Ember attack as above | | 231 Burn Program (FOPs), FFV | Almost certain | Catastrophic | | No | 203 Crown Land Fuel Reduction, DELWP | | Vic Heritage Register |
| 19604 | Bairnsdale Pumping Station | Cultural | Same as township | | Same as township | | | | No | 800 | | Vic Heritage Register + EGW |
| 19605 | Slip and Winch Shed Paynesville | Cultural | Same as township | | Same as township | | | | No | 800 | | Vic Heritage Register + EGW |
| 19606 | Houghton’s Flat Gold Diversion Tunnel | Cultural | N/A | | N/A | | | | No | 800 | | Vic Heritage Register |

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|--------------|--|----------------|--|-------------|--|------------|-------------|---------------|-----------------------------------|---------------------------|--------------------|-----------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19607 | Mossiface Hopkins, Swan Reach Rd, Mossiface | Cultural | | | | | | | | 800 | | Vic Heritage Register |
| 19608 | Stony Creek Railway Bridge, Colquhoun SF | Cultural | | | 231 Burn Program (FOPs), FFV | | | | | 800 | | Vic Heritage Register |
| 19609 | New works Historic Complex, Lakes Entrance | Cultural | N/A | | N/A | | | | No | 800 | | Vic Heritage Register |
| 19610 | Anglican Church, Lake Tyers | Cultural | Ember attack from (forest) to the north into Grass and houses | | 231 Burn Program (FOPs), FFV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19611 | Pioneer Battery Site, Club Terrace | Cultural | | | | | | | | 800 | | Vic Heritage Register |
| 19612 | Point Hicks Light Station | Cultural | Direct fire impact from North through to West Ember attack as above | | 403 Fire Protection Plan, PV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19613 | Genoa River Timber Truss and Concrete Bridge | Cultural | N/A | | 223 Roadside Vegetation Management, VicRoads: Fence to fence cut both sides of road from Genoa to Mallacoota | | | | No | 800 | | Vic Heritage Register |
| 19614 | Bendoc Union Church Bendoc | Cultural | | | | | | | | 800 | | Vic Heritage Register |
| 19615 | Delegate River Gold Diversion Tunnel | Cultural | N/A | | N/A | | | | No | 800 | | Vic Heritage Register |
| 19616 | McKillops Bridge, Deddick | Cultural | Direct fire impact and ember attack from (forest) all round | | 442 Emergency Mngt Plan (site), PV | Likely | Minor | | No | 800 | | Vic Heritage Register |
| 19617 | Buchan Caves Reserve | Cultural | | | 442 Emergency Mngt Plan (site), PV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19618 | New Chum Gold Battery Site, Benambra | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |

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|--------------|---|----------------|--|-------------|--|------------|-------------|---------------|-----------------------------------|---------------------------|--------------------|-----------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19619 | Hinnomunjie Bridge, Omeo Valley | Cultural | Direct fire impact and ember attack from North, West through to South | | 223 Roadside Vegetation Management, VicRoads: Fence to fence South both sides of road from Hinnomunjie to Benambra | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19621 | Victoria Falls Hydro-Electric Power Station | Cultural | | | | | | | | | | Not on spreadsheet |
| 19622 | Gembetta Reef Gold Battery Site, Omeo | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19623 | Oriental Claims Hydraulic Gold Site, Omeo | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Minor | | No | 800 | | Vic Heritage Register |
| 19624 | Omeo Justice Precinct (log lock up), Omeo | Cultural | Same as township | | Same as township | Unlikely | Major | | No | 800 | | Vic Heritage Register |
| 19625 | Former Post Office, Omeo | Cultural | Same as township | | Same as township | Unlikely | Major | | No | 800 | | Vic Heritage Register |
| 19626 | Peter Ah Sam Sawmill, Tongio | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19627 | Odell's Gully Gold Battery Site, Tongio West | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19628 | Cassilis GMC Treatment Works, Tongio West | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19629 | Mount Hepburn Gold Treatment Works, Tongio West | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19630 | Victoria Falls Hydro_Electric Power Station | Cultural | | | | | | | | 800 | | Vic Heritage Register |
| 19631 | Cobungra River Bridge, Anglers Rest | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |

| VFR Asset ID | Description/Asset | Asset Category | Likely Scenario is based on the McArthur Forest Fire Danger Indices (FFDI) rating of 100 (refer page 59) | Risk Rating | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP. | Likelihood | Consequence | Residual Risk | Additional Treatment Required Y/N | Treatment Recommendations | Treatment Priority | Detail/Comments |
|--------------|--|----------------|--|-------------|--|------------|-------------|---------------|-----------------------------------|---------------------------|--------------------|-----------------------|
| | | | Likely Scenario | | Existing Treatments | | | | | | | |
| 19632 | Wallace's Hut, Nelse | Cultural | Direct fire impact from north, west through to south | | 231 Burn Program (FOPs), FFV | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19634 | Bairnsdale Court House, Bairnsdale | Cultural | Same as township | | Same as township | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19635 | Former Bairnsdale mechanics Institute, Nunniong Rd | Cultural | Same as township | | Same as township | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |
| 19636 | St Mary's Catholic Church, Bairnsdale | Cultural | Same as township | | Same as township | Unlikely | Moderate | | No | 800 | | Vic Heritage Register |

The Fire Danger Index (FDI) rating system takes account of four factors: temperature, relative humidity, wind speed and ‘drought factor’. Traditionally the FDI has used a scale up to 150 for Grassland Fire and 100 for Forest fire, see charts below:

| Fire Danger Rating | Forest FDI | Grassland FDI |
|--------------------|------------|---------------|
| Code Red | 100 + | 150 |
| + Extreme | 75 – 99 | 100 –149 |
| Severe | 50 – 74 | 50 – 99 |
| VH | 25 - 49 | 25 - 49 |
| High | 12 – 24 | 12 – 24 |
| Low to Moderate | 0 - 11 | 0 - 11 |

Attachment A-2 Register of Assets at Risk – Structure Fire

Fire agencies respond to numerous residential and other structure fires each year across all areas of the state. Any such fire has the potential for catastrophic impact on individuals, families and the broader community; there is always the potential for life loss and significant economic and social impact. Fire agencies continually strive, along with their partner agencies (including local councils) to minimise the occurrence and impact of such fires, and have in place broad ranging programs and response measures. In addition legislation is in place which aims to reduce the occurrence and impact of structure fires in the community, including planning and building controls. Program information and advice is available from fire agency websites and offices. These tables therefore do not quantify the risk of human life loss as it is assumed that the potential for life loss is a constant. Instead the consequence table considers economic loss and social disruption in the event of a structure fire.

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|-------------|-----------|---|---|---|----------------|-------------|------|---|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Residential | 1a | Private Dwellings (includes house, unit, apartment, relocatable dwelling) | Fire starting within the residence, typically as a result of: <ul style="list-style-type: none">Naked flames including:<ul style="list-style-type: none">CandlesOil burnersSolid fuel fires/heaters/stovesElectrical faults including:<ul style="list-style-type: none">WiringClothes dryersHeatersElectric blanketsHuman activity including:<ul style="list-style-type: none">children playing with matches /lightersSmokingUnattended cookingClothes drying in front of heatersMaintenance activitiesOpen | CFA coverage CFA JFAIP Program Community Education, State/Local Hydrant Maint. Reticulated Water Supply Smoke Alarms Water supply | Almost Certain | Minor | High | | | |
| | 10a | Garages/Sheds | Fire starting within Garage/Carport/Shed (With potential to spread to dwelling) typically as a result of: <ul style="list-style-type: none">Human Activity including:<ul style="list-style-type: none">Equipment useWeldingBBQHeaterStorage and use of flammable liquidsSmokingOily rags, spontaneous combustionVehicle fires | | | | | | | |
| Residential | 1a | Private Dwellings in old estates - | As above, and Old electrical wiring Renovation works Weatherboard cladding Wood fired heating & cooking Poor workmanship/renovations | As above | Almost Certain | Minor | High | Targeted education/information programs | | |
| | 10a | Residential Garage | | | | | | | | |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|-----------------|-----------|--|---|---|------------|-------------|------|---|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Residential | 3d | Special Needs houses e.g. DHS & other NGO providers: | As private dwellings plus: Clients may have varying perception of danger Client behaviour in response to fire incident may be unexpected. Transient population | As above plus: CFA Brigade usually aware of sites Some sites will have CFA Pre Incident Plans (PIP) Some sites will have smoke alarms monitored by a private company DHS sites have residential sprinkler systems DHS sites have Fire Response Plans Some sites have staff during times of occupation No smoking inside policy | Possible | Minor | Low | Engage with NGO's to identify properties. PIP for all sites Targeted education/information programs. | | |
| Residential | | Multi-storey Buildings: | As private dwellings plus: Complexity of access and response | As above plus: CFA Pre Incident Plans (PIP) Smoke alarms monitored by private company Residential sprinkler systems | Possible | Minor | Low | Engage with occupants, heightened program for home fire safety. Targeted education/information programs. | | |
| Residential | All | Residential living – Communication difficulties | As private dwellings plus: Non English speaking, literacy difficulties | | N/A | N/A | | Develop alternative programs for the delivery home fire safety information | | |
| Residential/SFP | 9a | Hospital: Bairnsdale Regional Hosp. Omeo District Hosp Orbost Regional Hosp | Fire starting within the hospital, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals Human activity including: <ul style="list-style-type: none"> Cooking Laundry Maintenance activities Malicious/unapproved activity Complex evacuation due to mobility and medical issues | CFA coverage and Pre Incident Plans Fire Alarm System as required by BCA Sprinkler System as required by BCA EM (Site) Plan & procedures Fire Safety Inspection (as part of Accreditation) Maintain Essential Services 24/7 staffing, staff training Water supply – reticulated Test & Tag, electrical equipment | Possible | Major | High | | | |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|------------------|-----------|---|--|--|------------|-------------|--------|----------------------------|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Residential/ SFP | 9a | Bush Nursing Centres: | Fire starting within the hospital, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals Human activity including: <ul style="list-style-type: none"> Maintenance activities Malicious/unapproved activity Complex evacuation due to mobility and medical issues | CFA coverage and Pre Incident Plans EM (Site) Plan & procedures Fire Safety Inspection (as part of Accreditation) Maintain Essential Services Staffing, staff training Water supply – reticulated Test & Tag, electrical equipment | Possible | Major | High | | | |
| | | Nursing Homes and Aged Care Facilities: | Fire starting within the facility, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals Human activity including: <ul style="list-style-type: none"> Cooking Laundry Maintenance activities Malicious/unapproved activity Complex evacuation due to mobility and medical issues | CFA coverage and Pre Incident Plans 24/7 staffing, staff training EM (Site) Plan & procedures Fire Safety Inspection (as part of Accreditation) Maintain Essential Services Fire Alarm System as required by BCA Sprinkler System as required by BCA Test & Tag, electrical equipment Water supply – reticulated | Possible | Moderate | Medium | Night time staffing review | | |
| Residential/ SFP | 1a | Aged Care facilities for people capable of independent living. | Fire starting within the residence, typically as a result of: <ul style="list-style-type: none"> Naked flames including: <ul style="list-style-type: none"> Candles Oil burners Open fires Electrical faults including: <ul style="list-style-type: none"> Wiring, including leads Overloading of power points Clothes dryers Heaters Electric blankets Human activity including: <ul style="list-style-type: none"> Smoking Unattended cooking Clothes drying in front of heaters Maintenance activities Potential complexities due to: <ul style="list-style-type: none"> building type/construction and proximity to other dwellings Mobility/health issues of residents Access constraints for fire fighting purposes | CFA coverage Community Education, State/Local Hydrant Maint. Reticulated Water Supply Smoke Alarms Water supply - reticulated | Possible | Minor | Low | | | |
| | 9c | Life style high density living e.g. over 55's retirement villages | | | | | | | | |

| Asset Type | BCA Class | | | | Likelihood | Consequence | Risk | Treatment Recommendations | Treatment Priority | Detail/Comments |
|-----------------|-----------|---|---|---|------------|-------------|------|---------------------------|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | | | |
| Residential/SFP | 3a | Back Packers Hostels: | Fire starting within the facility, potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Clothes dryers Heaters Electric blankets Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Laundry Maintenance activities Malicious/unapproved activity | CFA coverage and Pre Incident Plans EM (Site) Plan & procedures Fire Safety Inspection Maintain Essential Services Fire Alarm System as required by BCA Staffing, staff training No smoking policy Test & Tag, electrical equipment Water supply – reticulate | Possible | Minor | Low | | | |
| | | Caravan Parks (including moveable dwelling, tents and other facilities) | Fire starting within the, typically as a result of: <ul style="list-style-type: none"> Naked flames including: <ul style="list-style-type: none"> Candles Oil burners Portable heaters (LPG, Kerosene) Electrical faults including: <ul style="list-style-type: none"> Wiring/overloaded power boards Clothes dryers Heaters Electric blankets Human activity including: <ul style="list-style-type: none"> children playing with matches /lighters Smoking Unattended cooking Clothes drying in front of heaters Maintenance activities Vehicle fires spreading to structures Camp fires spreading to structures | CFA coverage and Pre Incident Plans CFA Caravan Park Fire Safety 2012 guidelines ²⁰ EM (Site) Plan & procedures Maintain Essential Services Site maintenance Smoke alarms for moveable dwellings Staffing, staff training Water supply Test & Tag, park electrical equipment | Possible | Minor | Low | | | |

²⁰ [CFA Caravan Park Fire Safety Guidelines](#)

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|--------------------------|-----------|---|--|---|------------|-------------|------|---------------------------|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Place of Public Assembly | 9b | Schools &TAFE | Fire starting within the facility, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals/flammable liquids Human activity including: <ul style="list-style-type: none"> Cooking Laundry Equipment use Welding Spray painting Maintenance activities Oily rags, spontaneous combustion Malicious/unapproved activity | CFA coverage and Pre Incident Plans EM (Site) Plan & procedures Maintain Essential Services Staff training Water supply Test & Tag, site electrical equipment DEECD EM requirements | Likely | Moderate | High | | | |
| | | Schools Accommodation | Fire starting within the facility, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of chemicals/flammable liquids Human activity including: <ul style="list-style-type: none"> Cooking Laundry Equipment use Maintenance activities Oily rags, spontaneous combustion Maintenance activities Malicious/unapproved activity | CFA coverage and Pre Incident Plans 24/7 Staff, staff training DEECD EM requirements EM (Site) Plan & procedures Fire Alarm System as required by BCA Maintain Essential Services Test & Tag, site electrical equipment VRQA EM requirements Water supply | Possible | Minor | Low | | | |
| | | Early Learning & Child Care Centres Specialist schools | Fire starting within the facility, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Equipment use Maintenance activities Malicious/unapproved activity <p>Potential for added complexity due to unpredictable student behaviour.</p> | CFA coverage and Pre Incident Plans EM (Site) Plan & procedures Maintain Essential Services Staff training Water supply Test & Tag, site electrical equipment | Possible | Minor | Low | | | |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|---------------------------|-----------|---|---|---|------------|-------------|--------|---------------------------|--------------------|--|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Residential/ SFP | 3 | School Camps and accredited DEECD Camps | Fire starting within buildings, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Laundry Equipment use Maintenance activities BBQ use adjacent to flammable structures Malicious/unapproved activity | CFA coverage and Pre Incident Plans EM (Site) Plan, procedures, Evac Exercises Maintain Essential Services Staff training Water supply Test & Tag, site electrical equipment | Possible | Minor | Low | | | |
| | | Hotels, Motels, Resorts with accommodation | Fire starting within the facility, potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Clothes dryers Heaters Electric blankets Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Laundry Maintenance activities Malicious/unapproved activity | CFA coverage and Pre Incident Plans 24/7 staffing, staff training EM (Site) Plan & procedures Fire Alarm System as required by BCA Industry guidelines Maintain Essential Services Sprinkler System as required by BCA Test & Tag, site electrical equipment Water supply | Possible | Minor | Low | | | |
| Places of Public Assembly | 6b 9b | Entertainment Venues: Hotels & night clubs, theatres, halls, churches, social & sporting clubs, surf clubs, fishing clubs, library race courses, etc. | Fire starting within the facility, potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Clothes dryers Heaters Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Laundry Use of decorations/props Maintenance activities Malicious/unapproved activity | CFA coverage Maintain Essential Services Staff training Water supply | Likely | Minor | Medium | | | EM (Site) Plan & procedures (some may have, usually commercial sites) Do we know what council requirements are? |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|--------------------------|-----------|---|--|---|----------------|-------------|--------|---------------------------|--------------------|--|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Place of Public Assembly | 5 | Commercial (retail, offices and commercial business) Includes: CBD | Fire starting within the facility, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals/flammable liquids Human activity including: <ul style="list-style-type: none"> Cooking Laundry Equipment use Maintenance activities Fire starting adjacent to, and spreading to buildings (waste bins) Malicious/unapproved activity Potential for added complexity where joint commercial/residential use exists. | CFA coverage EM (Site) Plan & procedures Fire Alarm System as required by BCA Maintain Essential Services Staff training Water supply | Almost Certain | Minor | Medium | | | |
| | 5 | areas General | | | | | | | | |
| | 6a | stores Veterinary | | | | | | | | |
| | 8 | Supermarkets | | | | | | | | |
| | 5 | Hardware stores | | | | | | | | |
| Place of Public Assembly | 8 | Medical Centres | | | | | | | | |
| | 9a | Service Station | | | | | | | | |
| | 6d | | | | | | | | | |
| Place of Public Assembly | 6a | Significant commercial assets in isolated communities Includes: General stores | As above | CFA coverage EM (Site) Plan & procedures Maintain Essential Services Staff training Water supply | Possible | Major | High | | | |
| | 5 | Supermarkets | | | | | | | | |
| | 8 | Hardware stores | | | | | | | | |
| | 6d | Service Station | | | | | | | | |
| Place of Public Assembly | 6a | Commercial Restaurants, Café & fast food outlets | Fire starting within the building, potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Clothes dryers Heaters Electrical Plant Faulty equipment, including leads Human activity including: <ul style="list-style-type: none"> Cooking Laundry Use of decorations/props Maintenance activities Storage and use of flammable gas and oils Malicious/unapproved activity | CFA coverage EM (Site) Plan & procedures Enforced No Smoking Maintain Essential Services On site fire extinguishers, fire blankets Staff training Water supply Test & Tag, site electrical equipment | Likely | Minor | Medium | | | There have been nine fires recorded at these types of premises during the 11 year period 2000/2001 to 2010/2011. 1 - restaurant 8 – fast food outlet 7 to do with cooking |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|--------------------------|--------------|---|--|--|------------|-------------|--------|---------------------------|--------------------|---|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Place of Public Assembly | 6 7b 8 | General industrial buildings/businesses. i.e.: Motor engineers Vehicle body shops Engineering firms Prefabricated home construction Electricians Furniture manufacturers | Fire starting within the building, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals/flammable liquids Human activity including: <ul style="list-style-type: none"> Equipment use Welding Manufacturing operations Spray painting Oily rags, spontaneous combustion Materials handling Maintenance activities Malicious/unapproved activity | CFA coverage EM (Site) Plan & procedures Fire Alarm System as required by BCA Maintain Essential Services Staff training Test & Tag, site electrical Equip. (some) Water supply | Likely | Minor | Medium | | | |
| | | Power Station (Alinta), Bairnsdale | Fire starting within the building, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Human activity including: <ul style="list-style-type: none"> Equipment use Welding Manufacturing operations Spray painting Oily rags, spontaneous combustion Materials handling Maintenance activities Malicious/unapproved activity | CFA coverage EM (Site) Plan & procedures Fire Alarm System as required by BCA Maintain Essential Services Staff training Test & Tag, site electrical Equip. Water supply | Unlikely | Major | Medium | | | Assessment made in conditions where power generation is vital |
| | | Newmerella Gas Plant (Santos) | Fire starting within the building, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Human activity including: <ul style="list-style-type: none"> Equipment use Welding Manufacturing operations Spray painting Oily rags, spontaneous combustion Materials handling Maintenance activities Malicious/unapproved activity | CFA coverage EM (Site) Plan & procedures Fire Alarm System Sprinkler System Maintain Essential Services Staff highly training Test & Tag, site electrical Equip. Water supply | Possible | Minor | Low | | | |

| Asset Type | BCA Class | | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Risk | | Treatment Priority | |
|------------|-----------|---|--|---|------------|-------------|--------|---------------------------|--------------------|-----------------|
| | | Description | Likely Scenario | Existing Treatments | | | | Treatment Recommendations | | Detail/Comments |
| Industry | | Patties Bakery | Fire starting within the building, Potentially as a result of: <ul style="list-style-type: none"> Electrical faults including: <ul style="list-style-type: none"> Wiring Electrical Plant Faulty equipment, including leads Storage and use of gasses Storage and use of chemicals/flammable liquids Human activity including: <ul style="list-style-type: none"> Equipment use Welding Manufacturing operations Spray painting Oily rags, spontaneous combustion Materials handling Maintenance activities Malicious/unapproved activity | CFA coverage EM (Site) Plan & procedures Fire Alarm System as required by BCA Maintain Essential Services Staff training Test & Tag, site electrical Equip. (some) Water supply | Possible | Major | High | | | |
| Industry | | East Gippsland Sawmills: | As above | As above | Possible | Moderate | Medium | | | |
| Industry | | VegCo | As above | CFA coverage EM (Site) Plan & procedures Maintain Essential Services Staff training Water supply | Possible | Moderate | Medium | | | |
| Industry | | Fishing Coops Fishing Process Plants | As above | As above | Possible | Moderate | Medium | | | |

Attachment A-3 Register of Assets at Risk – Fire Involving Chemicals

| Asset Type | Fires involving chemicals listed in this register relate to chemicals that make fire behaviour more complex, severe or unpredictable. | | A number of generic treatments exist which are applied across the state or municipality, and as such are not listed against each asset listed below but are listed in Part 5 of the FMP | Likelihood | Consequence | Consequence | Treatment Recommendations | Treatment Priority | |
|------------------------|---|---|---|---|-------------|-------------|---------------------------|--------------------|---|
| | Description | Likely Scenario | | | | | | | |
| Industrial/ Commercial | Fires involving stored chemicals, includes large agricultural supply businesses | Structure fire start, chemical involvement adding additional complexity to Incident management | CFA coverage EM (Site) Plans Code of Practice for the Storage and Handling of Dangerous Goods No.27 National Code of Practice for the Placarding of Chemical Stores Agricultural Chemical Users Permit – DPI Chemical Safety Self-Assessment Tool – Worksafe | Possible | Moderate | Medium | | | <u>Indicative assessment only</u> Chemicals (agricultural) include fuels, solvents, pesticides, herbicides, fungicides, fertilisers and veterinary drugs e.g. <ul style="list-style-type: none">• Glyphosate• Aluminium/Zinc phosphide – fumigant• Organophosphates• Pyrethroids• Methyl bromide• Sodium Fluoroacetate – ‘1080’ baits• Strychnine• Paraquat, Diquat• Cresol• Alkaline and acid-cleaning agents• Formalin• Nutritional supplements – selenium and copper• Livestock vaccines. Potential for longer term environmental impact |
| | Fires involving sites with large use of refrigerants | Structure fire start, refrigerant involvement adding additional complexity to Incident management | | Possible | Moderate | Medium | | | <u>Indicative assessment only</u> Potential for longer term environmental impact |
| | Industrial/ Commercial | Fires involving transportation of chemicals | Vehicle accident/Fire, chemical involvement adding additional complexity to Incident management | CFA coverage Australian Code for the Transport of Dangerous Goods by Road and Rail Composite Warning Placards Emergency Procedure Guide AS 1678 VicRoads Chain of Responsibility inspections/searches | Possible | Moderate | Medium | | |
| Industrial/ Commercial | Newmerella Gas Plant (Santos) | Fire start due to the transfer of stored condensate into road transport | | Possible | Minor | Low | | | The liquid product from a condenser. Also known as condensate liquid. A light hydrocarbon mixture formed as a liquid product in a gas-recycling plant through expansion and cooling of the gas. A natural gas liquid with a low vapour pressure compared with natural gasoline and liquefied petroleum gas . Condensate is mainly composed of propane, butane, pentane and heavier hydrocarbon fractions. The condensate is not only generated into the reservoir , |

Multi Agency Workplan - East Gippsland Shire

Review Date: August 2018

| Loc. No. | Description | Deliverable Treatment | Detail | Agency | 2017-18 Completed Y/N | 2017-18 Adjustment needed Y/N | 2018-19 Completed Y/N | 2018-19 Adjustment needed Y/N | 2019-2020 Completed Y/N | 2019-2020 Adjustment needed Y/N | Comments |
|----------|----------------------------|------------------------------------|---|-------------|--------------------------|----------------------------------|--------------------------|----------------------------------|----------------------------|------------------------------------|----------|
| | Anglers Rest | 410 Local Incident Management Plan | | EGSC | X | | X | | X | | |
| 19033 | Banksia Peninsula | 202 Fuel Reduction Burn | 3 yr cycle | CFA | | | X | | | | |
| 19007 | Bemm River | 100 Community Education | Emergency / Information Screens | EGSC | X | | X | | X | | |
| | | 410 Local Incident Management Plan | | EGSC | X | | X | | X | | |
| | | 420 Community Information Guide | Currency | CFA | X | | X | | X | | |
| 19002 | Benambra | 410 Local Incident Management Plan | | EGSC | X | | X | | X | | |
| | Bendoc | 410 Local Incident Management Plan | | EGSC | X | | X | | X | | |
| | Bengworden | | FARSS Water Tank | CFA/EGSC | X | | | | | | |
| | Bonang | 410 Local Incident Management Plan | | EGSC | X | | X | | X | | |
| 19022 | Bruthen (and Wiseleigh) | | Emergency / Information Screens | EGSC | X | | X | | X | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | X | X | | X | | |
| 19026 | Buchan | 100 Community Education | | FFMVic/EGSC | X | | | | | | |
| | | 100 Community Education | Emergency / Information Screens | EGSC | X | | X | | X | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | X | | X | | |
| | Bullumwaal | | FARSS Water Tank | CFA/EGSC | X | | | | | | |
| | Calulu | | FARSS Water Tank | CFA/EGSC | X | | | | | | |
| 19006 | Cann River | | Emergency / Information Screens | EGSC | X | | X | | X | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | X | | X | | |
| 19040 | Cann River P12 | 100 Community Education | | CFA | X | | | | | | |

| Loc. No. | Description | Deliverable Treatment | Detail | Agency | 2017-18 | Completed Y/N | Adjustment needed Y/N | 2018-19 | Completed Y/N | Adjustment needed Y/N | 2019-2020 | Completed Y/N | Adjustment needed Y/N | Comments |
|----------|---|------------------------------------|--|--------------|---------|---------------|-----------------------|---------|---------------|-----------------------|-----------|---------------|-----------------------|----------|
| | Club Terrace | 100 Community Education | Community Bushfire Meeting | Joint Agency | X | | | | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | Combienbar | 100 Community Education | Community Bushfire Meeting | Joint Agency | X | | | | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19016 | Eagle Point | | | | | | | | | | | | | |
| | | 224 Roadside Veg Mngt | | FFMVic | | | | | | | | | | |
| 19004 | Ensay | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | Fernbank & Glenaldale | 100 Community Education | | CFA | X | | | | | | | | | |
| | Genoa | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19038 | Goongerah & Tubbut (inc. Primary Schools) | 100 Community Education | Enhanced engagement for schools closing on Extreme FDR | CFA | X | | | | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19013 | Lake Tyers Beach Toorloo Arm | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | Vegetation Management Plan | One Onta Toorloo Arm | EGSC | X | | | X | | | X | | | |
| | | 202 Fuel Reduction Burn | | CFA | | | | X | | | | | | |
| | | 224 Roadside Veg Mngt | | FFMVic | | | | | | | | | | |
| | Lake Tyers Trust | Bushfire Management Plan | | CFA | X | | | | | | | | | |
| | | 202 Fuel Reduction Burn | | | | | | X | | | | | | |
| 19012 | Lakes Entrance Interface | 202 Fuel Reduction Burn | | CFA | | | | X | | | | | | |
| | | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19027 | Lindenow, Lindenow South, Hillside | 100 Community Education | | CFA | X | | | | | | | | | |
| 19005 | Mallacoota | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 100 Community Education | | CFA | X | | | X | | | X | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19010 | Marlo | 100 Community Education | Enhanced engagement for schools closing on Extreme FDR | CFA | X | | | | | | | | | |
| | | 224 Roadside Veg Mngt | | FFMVic | X | | | X | | | X | | | |
| | | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |

| Loc. No. | Description | Deliverable Treatment | Detail | Agency | 2017-18 | Completed Y/N | Adjustment needed Y/N | 2018-19 | Completed Y/N | Adjustment needed Y/N | 2019-2020 | Completed Y/N | Adjustment needed Y/N | Comments |
|----------|---------------------------------|------------------------------------|--|----------|---------|---------------|-----------------------|---------|---------------|-----------------------|-----------|---------------|-----------------------|----------|
| 19015 | Metung | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | | 100 Community Education | Enhanced engagement for schools closing on Extreme FDR | CFA | X | | | | | | | | | |
| | Newlands Arm (Simpsons Reserve) | | Vegetation Management Plan | EGSC | X | | | X | | | X | | | |
| | Nungurner | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | | 100 Community Education | Enhanced engagement for schools closing on Extreme FDR | CFA | X | | | | | | | | | |
| | | 100 Community Education | Enhanced engagement for schools closing on Extreme FDR | CFA | X | | | | | | | | | |
| 19011 | Nowa Nowa | | FARSS Water Tank | CFA/EGSC | | | | X | | | | | | |
| | | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 202 Fuel Reduction Burn | | CFA | | | | X | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | | 420 Community Information Guide | Currency | CFA | X | | | X | | | X | | | |
| 19001 | Omeo | 100 Community Education | Community Bushfire Exercise | CFA | X | | | | | | | | | |
| | | 202 Fuel Reduction Burn | | CFA | x | | | | | | | | | |
| | | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19104 | Orbost Interface | 100 Community Education | Community Bushfire Exercise | CFA | X | | | | | | | | | |
| 19008 | Orbost | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19103 | Paynesville | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| 19019 | Raymond Island | 224 Roadside Veg Mngt | | FFMVic | | | | | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19077 | Sarsfield | 202 Fuel Reduction Burn | | CFA | x | | | | | | x | | | |
| 19003 | Swifts Creek | | Emergency / Information Screens | EGSC | X | | | X | | | X | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | Tambo Crossing | | FARSS Water Tank | CFA/EGSC | | | | X | | | | | | |
| | | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| | Wairewa | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |

| Loc. No. | Description | Deliverable Treatment | Detail | Agency | 2017-18 | Completed Y/N | Adjustment needed Y/N | 2018-19 | Completed Y/N | Adjustment needed Y/N | 2019-2020 | Completed Y/N | Adjustment needed Y/N | Comments |
|----------|----------------------------------|---|--|------------|---------|---------------|-----------------------|---------|---------------|-----------------------|-----------|---------------|-----------------------|----------|
| | Wattle Point & Banksia Peninsula | 100 Community Education | | CFA | X | | | | | | | | | |
| | | | FARSS Water Tank | CFA/EGSC | | | | X | | | | | | |
| | Waygara | 410 Local Incident Management Plan | To be reviewed for currency by Community & LGA | EGSC | X | | | X | | | X | | | |
| 19200 | East Gippsland Saw Mills | 303 Pre FDP Inspection | | CFA/FFMVIC | X | | | X | | | X | | | |
| 19255 | Bairnsdale Rail Line | 209 Routine Maint of Rail Line, Utility | | | x | | | x | | | x | | | |
| 19209 | Princes Hwy West | 202 Fuel Reduction Burn | | CFA | x | | | x | | | x | | | |
| 19213 | Marlo Aerodrome | 410 Airport EM Plan | Develop Plan | EGSC | X | | | | | | | | | |
| 19214 | Benambra Airfield | 216 Routine Asset Site Maint | Maintain | EGSC | X | | | X | | | X | | | |
| | | 212 Routine Asset Site Maint, Other | | FFMVic | | | | | | | | | | |
| 19216 | Mallacoota Airport | 216 Routine Asset Site Maint | Maintain | EGSC | X | | | X | | | X | | | |
| | | 410 Airport EM Plan | Develop Plan | EGSC | X | | | | | | | | | |

Attachment C-1 – Hazardous Tree Identification Electricity Safety Act 1998)

HAZARD TREES – IDENTIFICATION AND NOTIFICATION PROCEDURES

The Electricity Safety Act 1998 (Vic) (ES Act) 86 B provides the obligation for municipal councils in 86 B Municipal fire prevention plans must specify procedures for the identification of trees that are hazardous to electric lines:

- (a) Procedures and criteria for the identification of trees that are likely to fall onto, or come into contact with, an electric line (hazard trees); and
- (b) Procedures for the notification of responsible persons of trees that are hazard trees in relation to electric lines for which they are responsible.

Under the ES Act, the person responsible for maintaining vegetation and clearance space around power lines is referred to as the 'responsible person'.

The procedures outlined in this section of the FMP seek to address the requirement detailed above.

Each responsible person should have its own internal procedure regarding the steps that will be taken when it receives notification of a potentially hazardous tree.

What is a hazard tree?

According to the ES Act, a hazard tree is a tree which 'is likely to fall onto, or come into contact with, an electric line'.

The Electricity Safety (Electric Line Clearance) Regulations 2010 further provide that a responsible person may cut or remove such a tree 'provided that the tree has been assessed by a suitably qualified arborist; and that assessment confirms the likelihood of contact with an electric line having regard to foreseeable local conditions.' Due to legal requirements which require a clearance space be maintained around an electric line, hazard trees are usually located outside the regulated clearance space. Despite being outside the clearance space, the tree may still have the potential to contact the line due to its size or because of a structural fault or weakness which renders part, or all, of the tree likely to contact or fall onto the line.

Who is responsible for a hazard tree?

Under the ES Act, the person responsible for maintaining vegetation and clearance space around power lines is referred to as the 'responsible person'. This includes responsibility for keeping the whole or any part of a tree clear of the line.

Under the ES Act, responsibility is allocated between distribution businesses and other owners of electricity infrastructure, land owners and occupiers for clearance of private power lines, public land managers where they are identified as the responsible person such as municipal councils, DELWP and VicRoads.

Responsible Persons within East Gippsland Shire Council

There are a number of organisations that have responsibility for line clearance in East Gippsland Shire Council, including,

- SP AusNet
- VicRoads
- East Gippsland Shire Council

There is only one electricity distribution business in East Gippsland Shire Council.

There are two Declared Areas (as per Section 81 of the ES Act) within the East Gippsland Shire Council in the settlements of Bairnsdale and Lakes Entrance, where the responsibility lies with the Shire to identify, assess and remedy any hazardous tree that is situated within the Declared Area.

Other relevant information

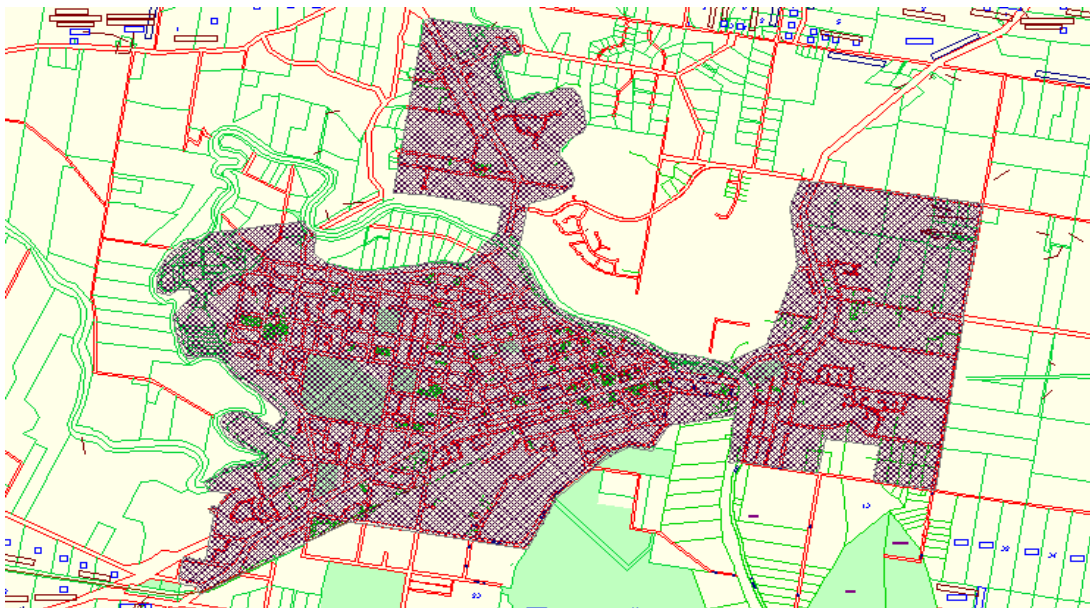
Responsible persons, other than an 'Occupier' of land, must have an electric line clearance management plan in place for areas for which they have responsibility (refer Electricity Safety (Electric Line Clearance) Regulations 2010):

- (i) A description, map or plan of the land to which the management plan applies identifying; (a)

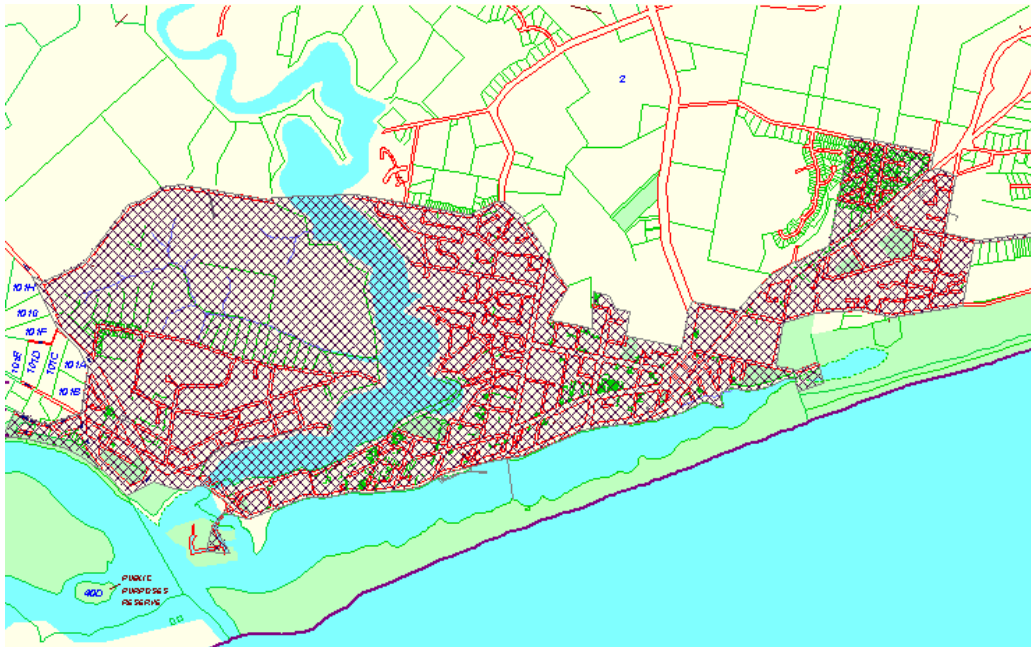
See attached maps below for Declared Areas.

- (b) The predominant category is urban street trees planted in nature strips and median strips and is predominately native vegetation.

Overview of Bairnsdale Area – hatched area is Category 1 (Council responsibility)



Overview of Lakes Entrance Area – hatched area is Category 1 (Council responsibility)



(ii) The location of areas of trees;

- (a) The location of historically or culturally important vegetation or vegetation of outstanding aesthetic value is outlined in Council's Urban Tree Management Plan, Roadside Management Plan and Council's Planning Scheme and the above maps.
- (b) The location of vegetation, which has botanical or ecological significance, is outlined in Council's Urban Tree Management Plan, Roadside Management Plan and Council's Planning Scheme and the above maps.
- (c) The location of rare or endangered species is outlined in Council's Urban Tree Management Plan, Roadside Management Plan and Council's Planning Scheme and the above maps.

(iii) The location of electric lines that the responsible person is required to keep clear of vegetation.

Note: Council has (working) documents and databases to support the overview of tree and electric line plans included in this plan.

Procedures and criteria for identifying hazard trees

In the course of everyday duties, potentially hazardous trees may come to the attention of Council staff or volunteer members of the entities with representation on the Municipal Fire Management Planning Committee, (the Committee), staff of the distribution business(es) or other persons, including members of the public.

There are a range of factors which may indicate that a tree is hazardous. That is, a tree which is likely to fall onto, or otherwise come into contact with an electric line. Some of these factors will be obvious when looking at the tree but many may only be apparent when the tree is assessed by a suitably qualified arborist defined in the regulations as an arborist who has:

- a) the qualification of National Certificate Level IV in Horticulture and Arboriculture, including the "Assess Trees" module, or an equivalent qualification; and

- b) At least 3 years of field experience in assessing trees.

The following criteria may be used to assist in identifying a hazard tree:

- The size of the tree suggests that it is likely to come into contact with the electric line, for example because it appears to be encroaching or growing into the line clearance space.
- There is an excessive lean on the tree, or branches hanging off the tree and the tree is in proximity to an electric (power) line.
- The size or appearance of the tree suggests it could come into contact with the line including under foreseeable local conditions.

If a potentially hazardous tree is identified a responsible person may cut or remove the tree provided that:

- a) The tree has been assessed by a suitably qualified arborist; and
- b) That assessment confirms the likelihood of contact with an electric line having regard to foreseeable local conditions.

The notification procedure outlined below should be followed, where a responsible person becomes aware of a potentially hazardous tree for which they have responsibility. They must follow their own applicable internal procedure and the notification procedure described below does not apply.

Procedures and criteria for notifying hazard trees

To ensure that information regarding potentially hazardous trees is captured in an efficient manner and, as appropriate, referred to the responsible person for action, the following procedure for the notification of hazardous trees should be followed:

- The organisation with responsibility for the highest percentage of lines within the municipality (the primary responsible person) is SP AusNet and therefore the person to whom potentially hazardous trees should be reported if the hazardous tree is identified outside of the Declared Area.
- The organisation with the responsibility for power line clearance (with respect to their obligations under the ES Act) that falls within the Declared Area is the East Gippsland Shire Council.
- Where any person becomes aware of, or receives a report of, a potentially hazardous tree within the municipality, this should be referred to SP AusNet in the first instance and East Gippsland Shire Council if the potential hazard tree is within the township of Bairnsdale and Lakes Entrance. Where the Committee becomes aware of, or receives a report of, a potentially hazardous tree within the municipality, this must be referred to SP AusNet or East

Gippsland Shire Council.

- Reports of potentially hazardous trees must be provided to either SP AusNet or East Gippsland Shire Council for action as soon as practicable in accordance with their respective management plans. Reports must include, as far as practicable:

- The name and contact details and any relevant qualifications where known of the person making the report.
 - As much detail as possible about the location of the tree including but not limited to: nearest address, GPS coordinates (where known), details of numerical/name plate (referred to as camm or LIS number) on nearest pole, name of nearest road or crossroads, closest landmark, whether tree is on private land or road reserve etc.
 - A description of the tree (including, if known, the genus and species of tree).
 - The primary reasons given for the tree being identified as potentially hazardous e.g. tree is in proximity to an electric line and there is evidence of active failure (tree is lifting out of ground or separation of bifurcated leaders), tree roots have been compromised (through excavation etc), storm damage (torn limbs etc), direct impact (vehicle collision etc).and/or appears to be encroaching into line clearance space.
 - An indication of whether or not urgent action is required.
- SP AusNet or East Gippsland Shire Council must take all necessary steps to advise the person responsible for the tree that it may be hazardous where they are not the responsible person.

Primary Responsible Person Representative (PRPR)

It is acknowledged that hazardous trees situated on land managed by East Gippsland Shire Council can be actioned by either East Gippsland Shire Council or SP AusNet at any time irrespective of the status of the area (declared or non-declared) in response to the urgency of the situation. An urgent situation such as this would be the exception to the norm by which this procedure otherwise details.

For the purposes of this part of the Plan (being executed under normal situation), the primary responsible person for potential hazardous trees within the Declared Area (also applicable to the entire municipality) are as follows:

| | |
|----------------------------------|--|
| Agency name | East Gippsland Shire Council |
| Position title of contact person | Shire Arborist |
| Telephone Number | 1300 555 886 |
| Email address | feedback@egipps.vic.gov.au |
| After Hours Number | 1300 555 886 |

For the purposes of this part of the Plan (being executed under normal situation), the primary responsible person for potential hazardous trees the Declared Area (and SP AusNet's entire network) is as follows:

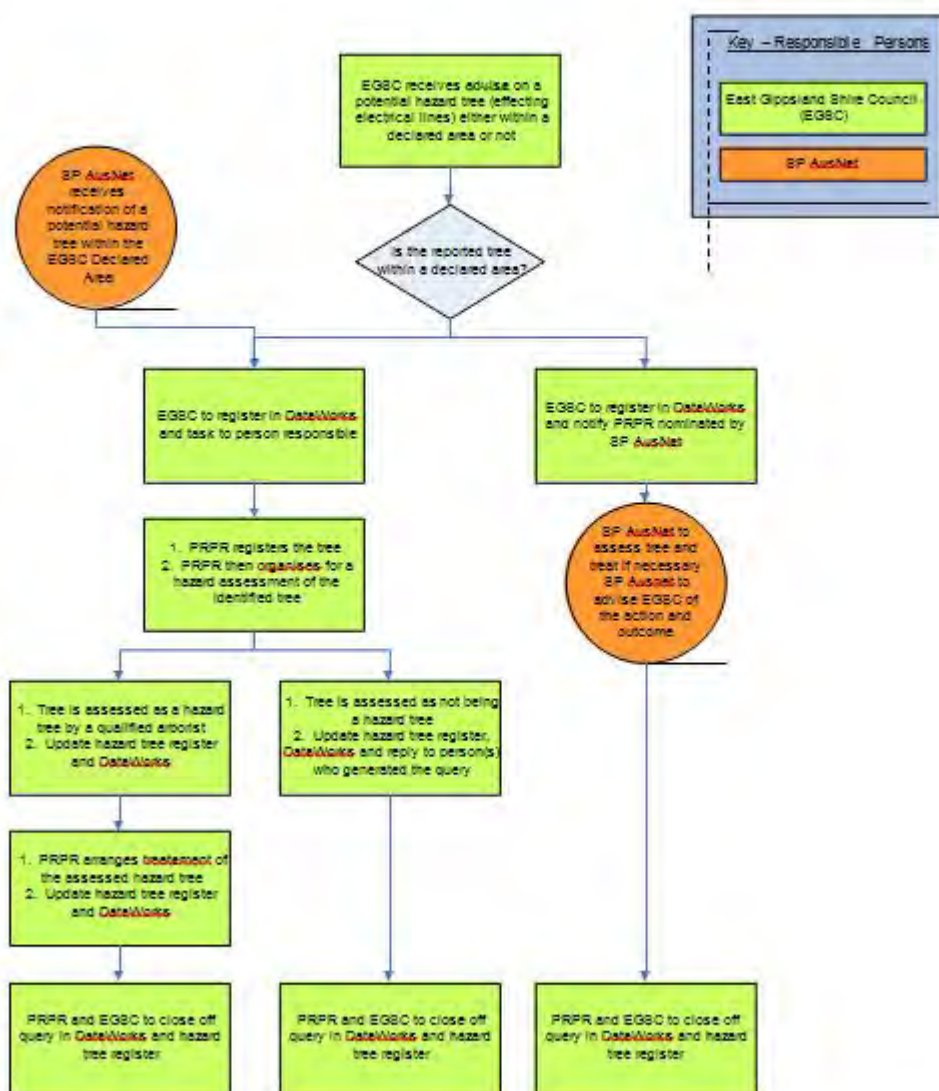
| | |
|--------------------|--|
| Agency name | Select Solutions (A division of SP AusNet) |
| Telephone Number | 03 9237 4419 or 0408 403 749 |
| After Hours Number | 03 9237 4419 or 13 17 99 |

Procedures for Notification of Responsible Persons

Where a potentially hazardous tree has been reported to East Gippsland Shire Council or SP AusNet, or another responsible person, the procedure outlined below should be followed.

SP AusNet and all responsible persons should put in place mutually agreed arrangements for the manner in which reports of potentially hazardous trees are passed on to responsible persons.

Hazard Tree Process As required under the Electricity Safety Act 1988 (Vic)



Reporting Timelines

SP AusNet should provide reports to the relevant responsible person as soon as practicable. In circumstances where:

- The potentially hazardous tree is located within a high bushfire risk area (as per s.80 of the ES Act) and the potentially hazardous tree is reported during the fire danger period declared under the Country Fire Authority Act 1958 (Vic); or
- The report indicates that there is an imminent danger that the tree will contact or fall onto lines as a result of minor environmental changes.

The potentially hazardous tree must be referred to the relevant responsible person for action as soon as possible (notwithstanding an urgent situation whereby either responsible person can action the tree), and by close of the next business day.

Each responsible person (other than the primary responsible person) must provide SP AusNet with contact details of the person (position title) who reports should be provided. It is the responsibility of each responsible person to ensure that SP AusNet is provided with up-to-date contact details.

Register

It is recommended that SP AusNet maintain a register in which all notifications are recorded together with the date of receipt of the notification and the date the notification was reported to the responsible person.

It is recommended that responsible persons also maintain a register of notifications received of hazardous trees for which they are the responsible person.

Primary Responsible Person Consultation

The Committee notes that SP AusNet as the Primary Responsible Person was consulted in relation to the development of these procedures.

Procedure for East Gippsland Shire Council and hazard trees in the Declared Area

Report comes into council (either through Dataworks, external agency/organisation or internal staff/contractors) of hazard tree and emailed to feedback@egipps.vic.gov.au

Hazard tree is logged into Dataworks assigning the PRPR of Hazard Tree.

The progress of the hazard tree is then assessed by East Gippsland Shire Council and designated into one of the following categories;

- Hazard Tree (assessed)
- Not a Hazard Tree (assessed)

If the tree is not a hazard tree, then it is closed off in both Dataworks and the Hazard Tree Register

If the tree is a hazard tree, then the assessor is required to action a process to have the hazard tree treated (i.e., trimmed or removed) and update Dataworks as appropriate.

Once the identified hazard tree has either been treated, deemed safe or completely removed, the assessor is again required to update Dataworks as such.

Once the 'end point' has been reached for each individual tree, sign off is required within Dataworks and the hazard tree register to ensure each individual tree is closed off.

Details of the methods that will be used to avoid and minimize the impact on vegetation referred to in paragraph (ii) below.

Prior to any works commencing, Council's Arborist will inspect the areas to have clearance work undertaken and forward a works program to Council's Tree maintenance team indicating any locations of significance as outlined in (ii) above.

The long term strategies to minimise

- (i) The long-term risk of electric lines starting fires and electrocution.

The strategies employed by this plan to achieve the East Gippsland Shire objectives are:

- The establishment of a suitable management structure that can efficiently and effectively deliver the services necessary to achieve the objectives of this plan.
- The establishment of management processes that enable the inspection, planning, implementation, surveillance and monitoring of powerline clearance activities.
- Responsive process for dealing with notified locations of non-compliance with the Code.
- The identification of tree types and areas causing non-compliance with the Code.
- The establishment of agreements and protocols with SP AusNet covering information and assistance with: -
 - Determining where pruning is required to maintain clearance;
 - Determining safe access near powerlines and arranging for powerlines to be de-energised.
 - Obtaining the relative costs of powerline construction methods, ongoing review and improvement of the safety of work practices and the reduction of risk exposure.

- (ii) The adverse effects of electric lines on surrounding vegetation;

- The identification of all areas within the Shire which could be categorised as "Important Vegetation" irrespective of whether they are currently affected by powerlines or not.
- Identify and evaluate alternate cabling methods.
- Institute systems for the notification of those affected by the proposed works and including mechanisms for consultation and dispute resolution.

- Development and implementation of audit processes to ensure the effectiveness of all related practices and processes.
- (iii) The risk to the safe operation of electric lines due to vegetation that is likely to grow into or encroach on the clearance space required by the Code of Practice.

Refer to (i) above for strategies, which will be employed.

The methods proposed to be adopted for maintaining the clearance space required by the Code between electric lines and vegetation

Council has an adopted process for scheduled inspections, assignment of priorities and scheduling of required cutting works. The process is as follows.

Category 1 trees are inspected either six monthly or twelve monthly, depending on amenity classification.

Vegetation that will penetrate the clearance space of the powerline before the next scheduled inspection cycle – if yes.

Required works are assigned a priority rating and works are scheduled based on this priority rating – if no.

A priority rating is assigned to reflect this.

Note: Council maintains an electronic tree location and tree works database that includes all inspect/priority details and tree works details

The alternative methods that may be adopted for maintaining the clearance space required by the Code between electric lines and vegetation if a person objects to the methods proposed by the responsible person and the methods of calculating the costs of implementing the alternative methods.

Background Information

Council is only responsible for line clearance on Council owned or managed land, therefore Council, as the owner or manager of the Category 1 land and trees, has the ultimate responsibility and decision making role.

Alternative Options considered by Council (and associated costing information)

Aerial Bundled Cabling

Cost calculated by energy provider on request.

Insulated cabling (low voltage)

Cost calculated by energy provider on request.

Facia Mounted Cabling

Cost calculated by energy provider on request.

Undergrounding of cables

Cost calculated by energy provider on request.

Removal and replacement with no impact specie
Cost determined from contractor schedule of rates.

The methods to be adopted to prevent excess pruning or clearing of trees

Auditing of Contractor Performance and Compliance

Council Parks and Gardens staff will audit the Bairnsdale and Lakes Entrance Category 1 areas. Council's formal inspection and audit process will ensure Council contractors comply with the Code and contract requirements.

Note: Council maintains an electronic inspection database. This database records inspection details and details of what (if any) follow-up works are required from the tree clearance contractor.

The length of the period between each pruning or clearing of trees;

As described in (k), Council has developed an inspection program and associated database. Trees are inspected every six or twelve months depending on tree locations and are assigned a priority rating relative to their clearance/pruning requirements.

Council's policy is to prune only the minimum required ensuring the required clearance space is maintained for the non-inspection period, thus ensuring the highest level of amenity at the same time as maintaining the clearance space at all times.

The length of time between each pruning cycle is usually six to twelve months and no greater than twelve.

The qualifications, proficiency and experience that the responsible person will require of the persons who are to carry out the pruning or clearing of trees.

Council tree maintenance staff must have a minimum level of qualification and relevant experience. This

minimum qualification is Arboriculture Level 3 Certificate and must also have current "Limits of Approach" certification.

Details of the technical standards that the responsible person will apply or have regard to in connection with electric line clearance work:

- Council shall ensure that all trees are pruned according to AS AS4373-2007 Pruning of Amenity Trees as a minimum standard. Council shall further ensure that employees hold appropriate certificates for both themselves and their equipment that legally entitles them to undertake the work. A record of the sighting of these documents shall be kept by the Human Resources Department and shall be updated annually.
- In relation to equipment and personnel, the following requirements must be met; (a)
Personnel
 - NUE 260 Electrical Systems Identification and Powerline Clearance Distances Certificate
 - Level 3 Certificate in Arboriculture (minimum)
 - EWP Certificate
 - First Aid
- (b) Occupational Health and Safety Training
 - Use of Chainsaws

- Hearing Conservation
- Safe Lifting Practices
- (c) Equipment (Elevated Working Platforms)
 - Current Roadworthy Certificate
 - Current Electrical Conductivity Test Certificate

The Council Arborist shall inspect the work carried out by the tree maintenance staff throughout the period that active pruning is taking place. Officers will inspect for evidence of sub-standard or excess pruning practice or breaches of OH&S requirements.

THE MANAGEMENT PROCEDURES TO BE ADOPTED BY THE RESPONSIBLE PERSON TO ENSURE COMPLIANCE WITH THE CODE, WHICH MUST INCLUDE DETAILS OF THE FOLLOWING

- (i) The procedures to be adopted to identify locations where the pruning or clearing of trees will be required.

Inspection Process

Council's Arborist will inspect under-wire trees on a six monthly cycle in Council's high profile CBD Category 1 areas and a twelve monthly cycle in all other Category 1 areas.

Following inspections all under-wire works are allocated a priority rating (P1 through P5). P1

rating requires immediate/now action

P2 rating requires priority programming within current cycle

P3 rating requires programming in current cycle

P4 rating requires programming action in next cycle

P5 rating requires no action

P6 completed

All pruning works carried out are in accordance with AS4373-2007 Pruning of Amenity Trees.

Actions

All trees inspected are a given P rating. Pruning works scheduled based on P rating.

Pruning works scheduled in order of priority and in accordance with a timeframe that avoids identified works escalating in priority.

Note: Council maintains an electronic tree location and tree works database that includes all inspection/priority details and tree works details.

- (ii) The methods to be used to calculate the dimensions of the space beyond the clearance space required by the Code of Practice that must be pruned or cleared to allow for anticipated vegetation regrowth into the clearance space between pruning or clearing.
Council's Arborist is required to observe and record the rate of growth of species under the growing conditions that prevail in the Shire and apply these observations when determining the extent and frequency of next pruning cycle.
- (iii) The methods to be used to monitor conditions in the area beyond the regrowth space or the

regrowth space referred to in sub-paragraph (ii) to identify any vegetation that could become a hazard to the safety of the electric lines under the range of weather conditions that can reasonably be expected to prevail in that area, having regard to the need to prune or clear that vegetation in accordance with the code.

- (iv) The methods to be used to calculate the length of the period required between each pruning or clearing of vegetation;

All trees under wires will be inspected every six or twelve months depending on amenity level. This inspection will record the current tree growth details and this, combined with the known re-growth details, will allow our Shire to accurately determine when the next pruning cycle is required.

The methods and requirements that are to be used to ensure that urgent pruning or clearing to maintain the clearance space between each clearing or pruning time specified in the plan should not be required;

All trees under wires will be inspected every six or twelve months depending on the amenity level. The inspection records the current growth details and this, combined with the known re-growth details of the species will allow the Shire to accurately determine each pruning or clearing cycle thus preventing the need to carry out urgent pruning or clearing.

The conditions under which urgent pruning or clearing to maintain the clearance space between each clearing or pruning time specified in the plan will be undertaken;

Urgent pruning and clearing to maintain clearance space will be undertaken by Council as per the conditions set out in Clauses 5 and 6 of the Code of Practice for Electric Line Clearance as incorporated in the Electricity Safety (Electric Line Clearance) Regulations 2010.

A description of the information and materials relating to electric line clearance that the responsible person makes available to the Office and the public, and details of the place and times at which they are available

The East Gippsland Shire Council Urban Tree Management Plan and the Line Clearance Management Plan and the Roadside Management Plan are public documents and are available to the public (on request) at all of the Shire's Business Centres. Council's Business Centres are open between 8:30am and 5:00pm, Monday to Friday excluding gazetted public holidays.

A description of the measures to assess the performance of the responsible person under the management plan

Council will engage a suitably qualified independent person/s to conduct a full assessment of the management plan and Council's adherence to the management plan.

Details of the audit processes to determine the responsible person's compliance with the Code.

As outlined in (o), Council will engage a suitably qualified independent person/s to conduct a full assessment of the management plan and also Council's adherence to the management plan. This audit process will ensure the following: -

- Development of the plan in accordance with Energy Safe Victoria requirements
- The number of trees in breach of the Code
- The number of pruning cuts found to be below standard
- The number of customer requests for pruning
- The number of requests from SPAusNet for pruning
- The number of customer complaints

- The number of alternative approaches to normal pruning investigated and or adopted, including alternatives such as:
 - reduced pruning cycle;
 - removal/replacement of trees;
 - aerial bundled cable;
 - powerlines re-routed;
 - powerline put underground;
 - other engineering solutions adopted.

Internal audits shall be carried out, from time to time, to ensure that all requirements outlined in this plan are being met and any non-conformity with the Code is identified.

Following investigation of the non-compliance and the establishment of the cause, the importance of compliance with the management plan and the Code will be drawn to the attention of the persons concerned: -

- On the first occasion they will be given verbal instruction, and the incident recorded on file.
- If a second occasion occurs the notification shall be in writing, and the incident recorded on file.
- After a third occasion, the training program will be reviewed and more serious action considered if it is the same offender.

If a prolonged non-compliance is found and normal clearance practices would cause excessive damage to the trees in question, the East Gippsland Shire Council will undertake a risk management assessment, and determine alternatives and priorities. The Shire shall immediately notify the Energy Safe Victoria, SP AusNet and the Shire's insurers to determine an agreed program to rectify the problems.

Dispute resolution

Under this plan the Shire is responsible for the line clearance on urban street and park trees on Council managed land and road reserves. Therefore disputes relating to private trees impacting on the electric lines are not an issue. However any grievances that may arise involving any works on road reserves would be settled using Council's internal dispute resolution process.

Name of person responsible for resolving disputes:

Marc Taylor, East Gippsland Shire Council

Telephone No: 03 5153 9500

Email: feedback@egipps.vic.gov.au

If a dispute were to escalate from that which could be resolved by Council's internal procedures then an external conciliator would be appointed by the Shire to resolve the dispute.

Attachment C-2 – Community Information Guides – Bushfire and Local Incident Management Plans

Community Information Guides (CIG)

Community Information Guides - Bushfire (formerly known as Township Protection Plans) are a key source of information for the community and an important tool to emphasize the shared responsibility between the community, fire services and local government.

Guides have been developed for a number of communities statewide that are deemed to be at risk of bushfire or grassfire.

Your Community Information Guide provides important direction and information for communities to assist with planning before, during and after a fire. CFA advises that everyone should have a written Bushfire Survival Plan. For more information and to develop your plan, [attend a community meeting](#) in your area or online, or use the [Bushfire advice service](#).

The following locations are covered by a CIG.

| CIG Location | CIG Name | CIG Approved |
|--------------------------------|--------------------------------|--------------|
| Bemm River | Bemm River | Yes |
| Cann River | Cann River | Yes |
| Lake Tyres Beach & Toorloo Arm | Lake Tyres Beach & Toorloo Arm | Yes |
| Mallacoota | Mallacoota | Yes |
| Nowa Nowa | Nowa Nowa | Yes |
| Raymond Island | Raymond Island | Yes |

Local Incident Management Plan (LIMPlan)

LIMPlans are emergency management planning at the local level. Communities elect to have a LIMPlan and drive the process with the East Gippsland Shire Council providing the plans facilitation and production and covering the cost of printing and distribution. A committee is formed from local businesses, schools and community groups, along with representatives from Council and state government agencies.

LIMPlans created by communities provide greater ownership as each plan is 'their plan', thus increasing community resilience. These Plans encompasses all hazards (not just fire) and applies a risk value of low, medium, high or extreme.

LIMPlanning contributes to the Victorian Fire Risk Register-Bushfire, the Municipal Fire Management Plan and the Municipal Emergency Management Plan.

The following locations are covered by a Local Incident Management Plans. Further details are

available on the East Gippsland Shire Council webpage [Local Incident Management Plans - East Gippsland Shire Council](#)

| LIMP Location | |
|---------------------|----------------|
| Bemm Rivera | Tambo Crossing |
| Benambra | Tubbut |
| Bonang | Wairewa |
| Buchan and District | Waygara |
| Cann River | |
| Club Terrace | |
| Combienbar | |
| Ensay and District | |
| Fernbank | |
| Glenaladale | |
| Goongerah | |
| Hillside | |
| Mallacoota | |
| Metung | |
| Nowa Nowa | |
| Omeo | |
| Raymond Island | |
| Simpsons Creek | |
| Swifts Creek | |

Attachment C-3 – Neighbourhood Safer Places/Place of Last Resort

In East Gippsland Shire the following locations have been certified by CFA and designated by Council as Neighbourhood Safer Places - Places of Last Resort:

| Township | NSP/PLR Location |
|----------------|---|
| Bemm River | Bemm River Hotel, 3-5 Sydenham Parade |
| Benambra | Benambra Oval, Tip toad |
| Bendoc | Bendoc Hall, Dowling Street |
| Bonano | Bonang Hall grounds, Bonanag Road |
| Buchan | Buchan Oval, Buchan-Orbost Road |
| Cann River | Cann River P-12 College, 18 Tamboon Road, Cann River |
| Mallacoota | Mallacoota Foreshore between Captains Point and Coull's Point. |
| Omeo | Omeo Recreational Reserve, Cnr Day Avenue and Park Street |
| Orbost | Orbost Cricket Club Oval, Gladstone Street, Orbost |
| Paynesville | A.J. Freeman Reserve Oval 1 and 2, Main Rd, between King and Ashley Streets Paynesville |
| Raymond Island | Raymond Island Community Centre, Corner of Fifth Parade and Sixth Avenue |
| Swan Reach | Swan Reach Recreational Reserve, Duffy Street |

Neighbourhood Safer Places - Places of Last Resort (NSP/PLR) are identified buildings or spaces within the community that may afford some protection from radiant heat, the biggest killer during bushfire. They are a place of last resort in emergencies only; to be used when individual Bushfire Survival Plan fails.

NSP/PLR do not offer guaranteed ultimate safety. Relocating to an NSP/PLR also carries a level of risk including death. Please be aware of the following risks associated with NSP/PLR:

- Going to a NSP/PLR is an option of last resort when other plans have failed.
- NSP/PLR are not an alternative to planning to either leaving early or staying and actively defend your property.
- They are not inherently "safe" places during a bushfire and will not guarantee your safety.
- Many houses will provide more effective protection than NSP/PLR.

- Travelling to a NSP/PLR during a fire is dangerous. Visibility may be poor due to heavy smoke. The Roads may be blocked due to traffic congestion, fallen trees, collisions or emergency vehicles.
- There is no guarantee that you will not be injured or killed by fire or radiant heat when travelling to or sheltering at a NSP/PLR.
- While emergency services will make every effort to protect people sheltering at a NSP/PLR, there is no guarantee that emergency services will be present.
- There will generally be limited parking. Large numbers of vehicles may further compromise what little protection the area affords.
- No amenities (e.g. food, drinks, and toilets) will be provided
- It may not provide shelter from smoke and embers.

NSP/PLR are been assessed by CFA against NSP/PLR report assessment guidelines. It then becomes the responsibility of Council to endorse and maintain the NSP/PLR.

NSP/PLR are reviewed annually to ensure they still meet the municipal safer places criteria. For

the most up to date list please refer to the CFA Web site – [Neighbourhood safer places](#)



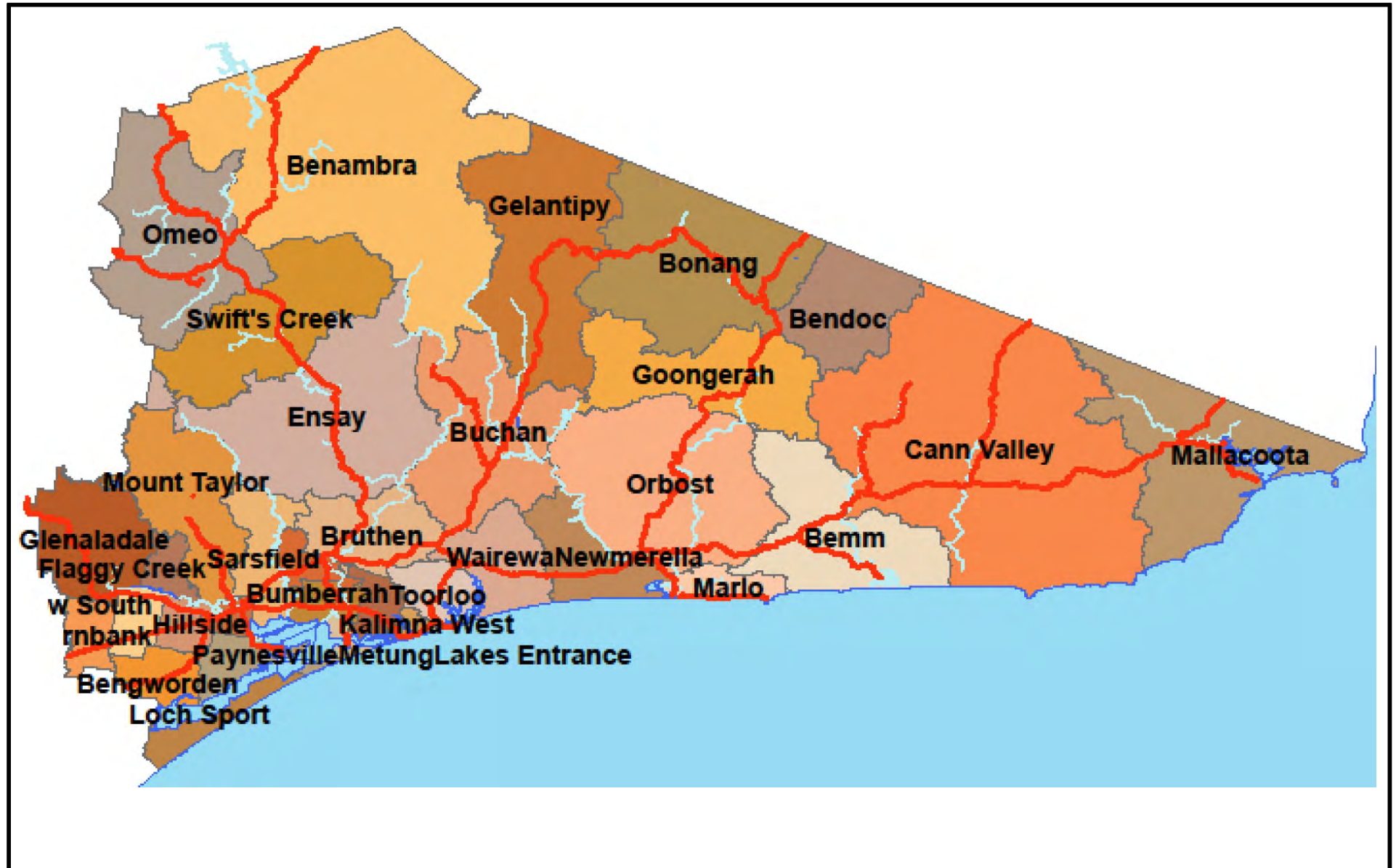
Attachment D – Maps

| Map No. | Map Title | Map Owner |
|----------|--|------------------------------|
| Overview | East Gippsland Shire Council Brigade Areas | East Gippsland Shire Council |
| 1. | Bairnsdale Brigade Area | East Gippsland Shire Council |
| 2. | Bemm Brigade Area | East Gippsland Shire Council |
| 3. | Benambra Brigade Area | East Gippsland Shire Council |
| 4. | Bendoc Brigade Area | East Gippsland Shire Council |
| 5. | Bengworden Brigade Area | East Gippsland Shire Council |
| 6. | Bonang Brigade Area | East Gippsland Shire Council |
| 7. | Bruthen Brigade Area | East Gippsland Shire Council |
| 8. | Buchan Brigade Area | East Gippsland Shire Council |
| 9. | Cann Valley Brigade Area | East Gippsland Shire Council |
| 10. | Ensay Brigade Area | East Gippsland Shire Council |
| 11. | Fernbank Brigade Area | East Gippsland Shire Council |
| 12. | Flaggy Creek Brigade Area | East Gippsland Shire Council |
| 13. | Gelantipy Brigade Area | East Gippsland Shire Council |
| 14. | Glenaladale Brigade Area | East Gippsland Shire Council |
| 15. | Goongerah Brigade Area | East Gippsland Shire Council |
| 16. | Hillside Brigade Area | East Gippsland Shire Council |
| 17. | Johnsonville Brigade Area | East Gippsland Shire Council |
| 18. | Kalimna West Brigade Area | East Gippsland Shire Council |
| 19. | Lakes Entrance Brigade Area | East Gippsland Shire Council |

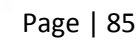
| Map No. | Map Title | Map Owner |
|---------|-----------------------------|------------------------------|
| 20. | Lindenow South Brigade Area | East Gippsland Shire Council |
| 21. | Loch Sport Brigade Area | East Gippsland Shire Council |
| 22. | Mallacoota Brigade Area | East Gippsland Shire Council |
| 23. | Marlo Brigade Area | East Gippsland Shire Council |
| 24. | Metung Brigade Area | East Gippsland Shire Council |
| 25. | Mossi – Tambo Brigade Area | East Gippsland Shire Council |
| 26. | Mount Taylor Brigade Area | East Gippsland Shire Council |
| 27. | Newmerella Brigade Area | East Gippsland Shire Council |
| 28. | Omeo Brigade Area | East Gippsland Shire Council |
| 29. | Orbost Brigade Area | East Gippsland Shire Council |
| 30. | Paynesville Brigade Area | East Gippsland Shire Council |
| 31. | Sarsfield Brigade Area | East Gippsland Shire Council |
| 32. | Swifts Creek Brigade Area | East Gippsland Shire Council |
| 33. | Toorloo Brigade Area | East Gippsland Shire Council |
| 34. | Wairewa Brigade Area | East Gippsland Shire Council |

Notes:

1. Maps are not currently to scale.
2. Not all map Legend “layers” are “turned on”; only those in respect of Fire Access Roads, Static Water Supplies and Fuel Management Breaks.
3. Maps contained in Attachment E are a first draft and are being further developed.



This is a detailed street map of the Mitchell River area in Victoria, Australia. The map shows the Mitchell River winding through the center, with several residential areas labeled: Flaggy Creek to the northwest, Mount Taylor to the north, Bairnsdale to the west, Hillside to the southwest, and Paynesville to the south. Major roads include Princes Highway running east-west, and various local streets like Williams Parade, Mitchell River Flats, and Broadlands Road. The map also shows the coastline and surrounding water bodies.

[illegible]

This map illustrates the Bemm area, highlighting its geographical features and infrastructure. Key locations include Goongerah to the north, Orbost to the west, and Bemm in the center. The Cann Valley is situated to the northeast, and Marlo is located to the southwest. The Bemm River flows through the central part of the area, while the Yeebung River is visible in the south. A network of roads, including the Princes Highway and various local roads like Smiths Road and Purgaree Road, connects these areas. The map uses a color-coded system to distinguish between different types of roads and natural features. A scale bar at the bottom right indicates a distance of 52 units.



The map displays the Benambra Brigade Area, which includes the towns of Benambra, Omeo, Swift's Creek, Ensay, and Gelantipy. The area is bounded by the Benambra River to the north and the Omeo River to the south. The map shows a network of roads, including the Benambra Highway, Omeo Highway, and various local roads. Water bodies such as Lake Omeo, Lake Benambra, and Lake Swift's Creek are also shown. The map is color-coded to show different types of roads and water bodies. A legend in the bottom right corner provides a key for the symbols and colors used. A scale bar in the bottom left corner indicates distances up to 20 kilometers. The University of Southern Queensland logo is in the bottom right corner.

Legend

| Symbol/Color | Description |
|--------------|-------------------------|
| Black dot | Point of Interest |
| Blue line | Water |
| Green line | Proposed for State Road |
| Yellow line | Proposed for State Road |
| Red line | Proposed for State Road |
| Blue line | Proposed for State Road |
| Green line | Proposed for State Road |
| Yellow line | Proposed for State Road |
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| Blue line | Proposed for State Road |
| Green line | Proposed for State Road |
| Yellow line | |



This map illustrates the Bengworden area, highlighting its geographical context and road network. The central region is Bengworden, which is bordered by several other areas: Lindenow South to the north, Hillside to the northeast, Fernbank to the west, and Paynesville to the east. The southern boundary of Bengworden is defined by a prominent brown line, likely representing a natural feature like a river or a significant boundary. Key roads shown include PRINCES HIGHWAY, STRACEY'S LANE, COUSSENS ROAD, LINDENOW-KEMERLEI ROAD, RABBINS ROAD, LATHAMS ROAD, BOUNDARY ROAD, SWINDELL'S ROAD, REDOULT LANE, CAHLSSENS ROAD, LEATHAMS ROAD, COMLEYS ROAD, PATTERSONS ROAD, GOON NURE ROAD, LOWER GOON NURE ROAD, LYLES ROAD, PHILLIPS ROAD, WISHARTS ROAD, BENGWORDEN ROAD, HOFFMANS ROAD, POST OFFICE ROAD, AITKEN ROAD, TURNERS ROAD, and WATTLE PARK ROAD. The map also shows the proximity to Loch Sport in the southeast. The Bengworden area is depicted in a light tan color, while surrounding regions are in various shades of orange and brown. The water body, Loch Sport, is shown in blue at the bottom right.



This map shows the Bonang and Bendoc areas in Victoria, Australia. The map includes the following features:

- Localities:** Gelantipy, Bonang, Bendoc, Goongerah, and Cann Valley.
- Roads:** FARM ROAD, BONEN LINK, WARATAH FLAT ROAD, YALMY ROAD, ABERDEEN ROAD, LEGGES ROAD, BRANNINORA ROAD, CENTRE ROAD, SUDDY ROAD, GUMMARK ROAD, STAFFS ROAD, JAKE BREAK ROAD, BENDOC GULF ROAD, BESLEY ROAD, THE FIVES ROAD, HANDBERG ROAD, FIVES LANE, NEEDS ROAD, BOVANG ROAD, DELLYANNORA ROAD, HOBBS ROAD, HONEYSUCKLE RANGE ROAD, WATERHOLE GULLY ROAD, WILLIS ROAD, MCKINLOCHS ROAD, and BENDOC ORCHARD ROAD.
- Waterways:** A large blue area representing a water body or wetland is located in the upper left and center of the map.
- Boundaries:** The map shows the boundaries of the Gelantipy, Bonang, Bendoc, Goongerah, and Cann Valley areas.

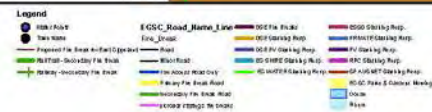


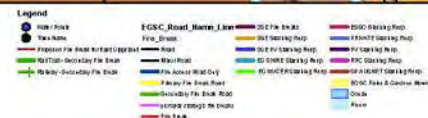
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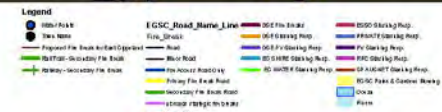
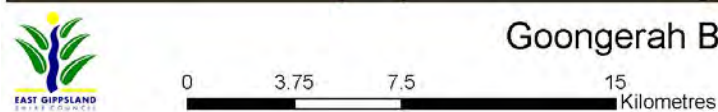
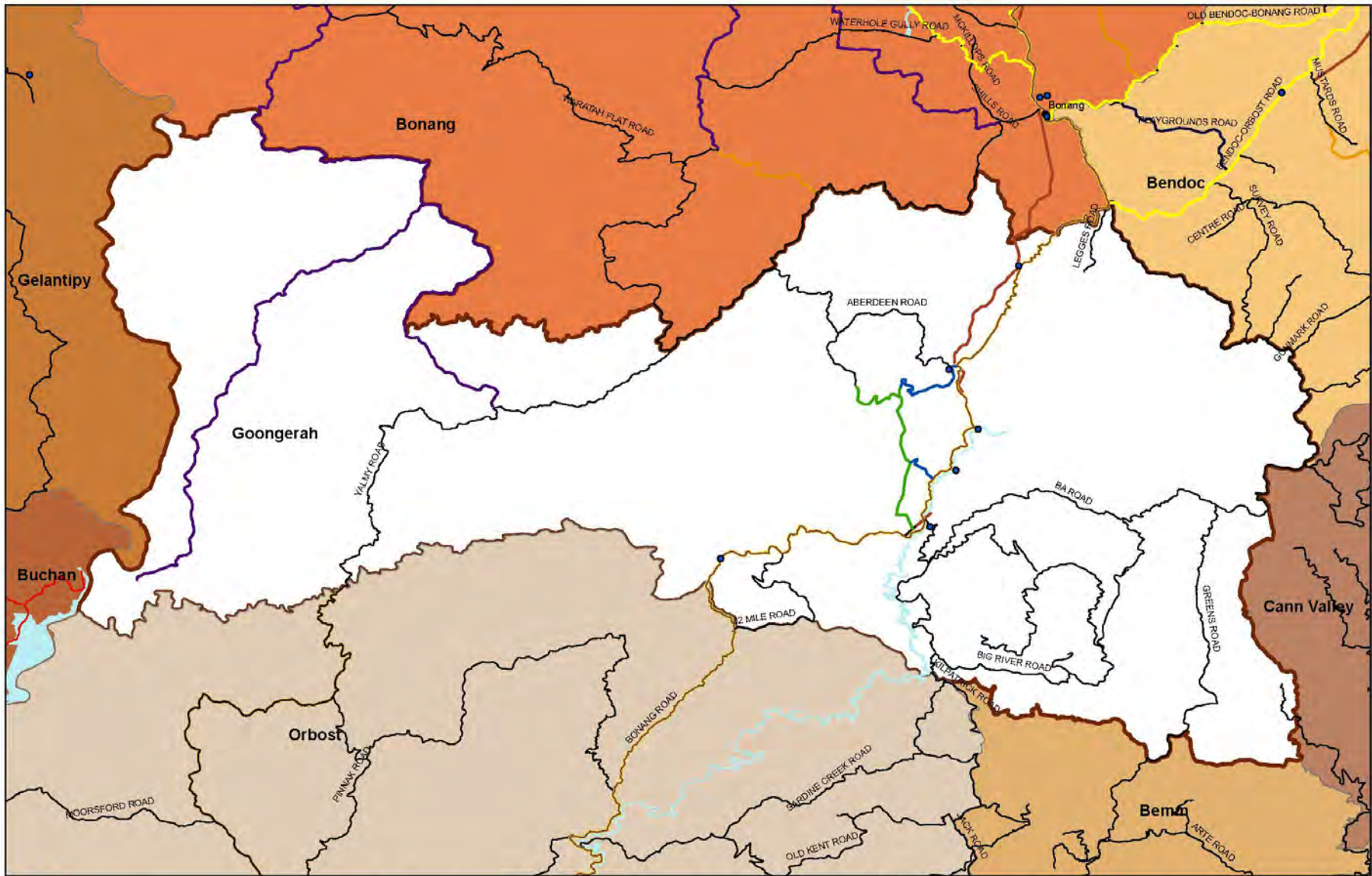


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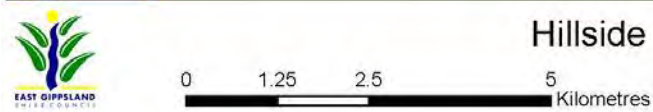
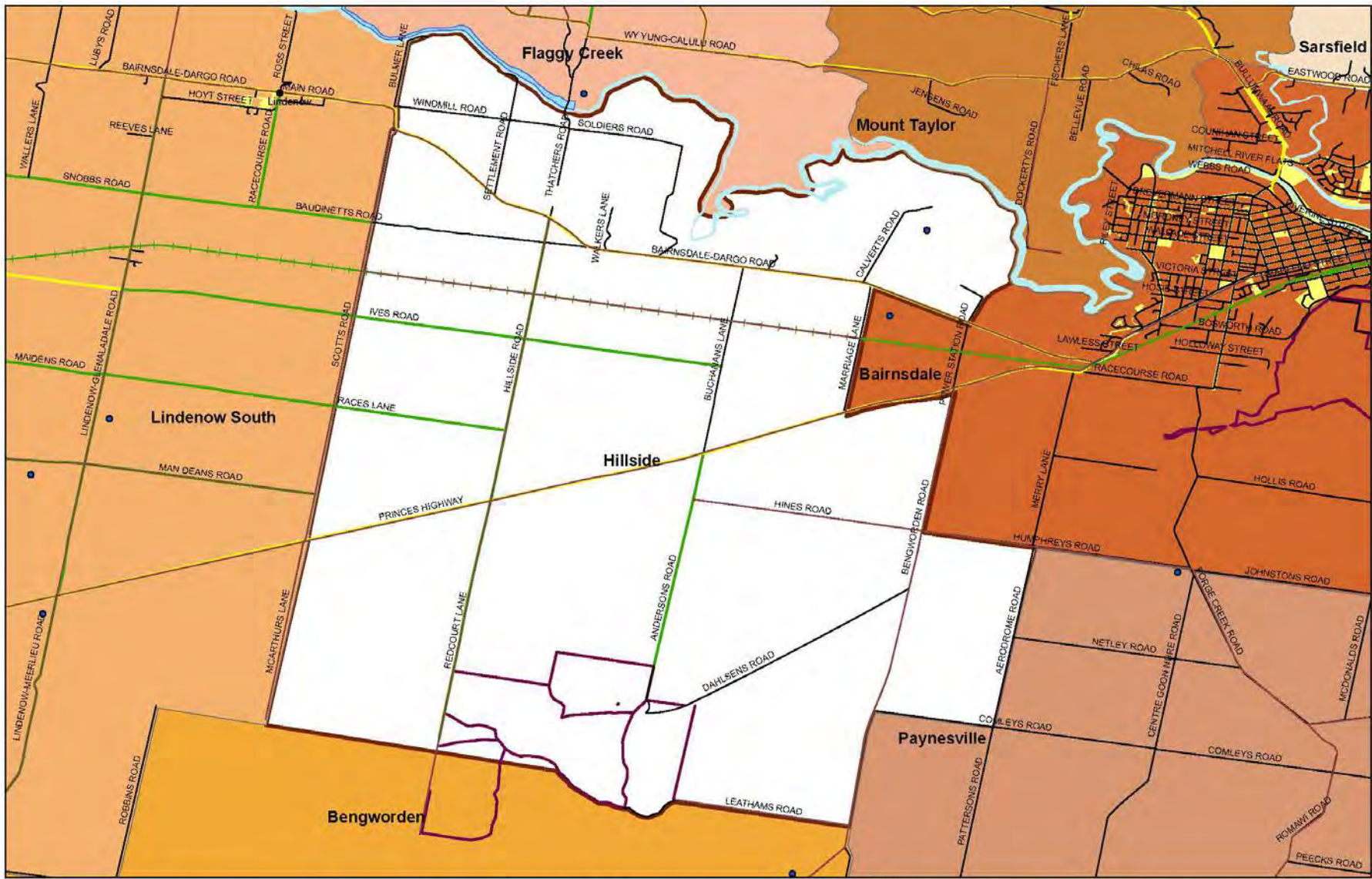
The map displays the Gelantipy Brigade Area, a region in Victoria, Australia. It features a network of roads, including major routes like the Murrumbidgee Highway (M1) and various local roads such as Limestone Road, Nunnong Road, and Gelantipy Road. The area is characterized by its rugged terrain, with numerous creeks and rivers, including the Murrumbidgee River and the Swift's Creek. Surrounding towns and localities are labeled, including Benambra, Swift's Creek, Ensay, Buchan, Gelantipy, Bonang, Goongerah, and Orbost. The map also shows the boundaries of the Gelantipy Brigade Area, which is shaded in a light blue color. A legend in the bottom right corner provides information on road types and other features, and a scale bar in the bottom left corner indicates distances in kilometers.

[illegible]

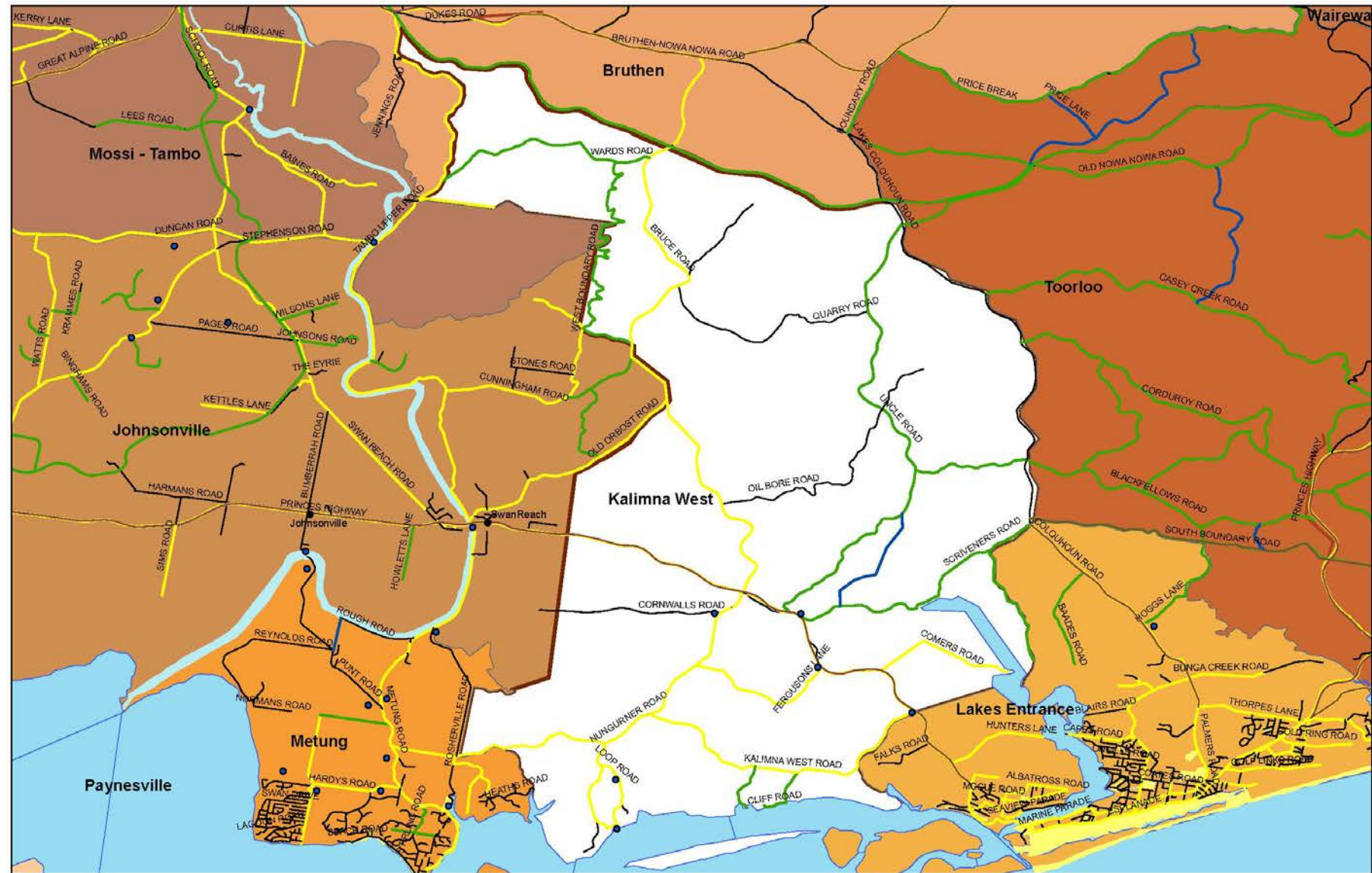
Map 15: Goongerah Brigade



Map 16: Hillside Brigade





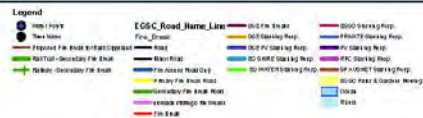


Kalimna West Brigade Area



The map illustrates the geographical layout of the Lakes Entrance region. Key features include:

- Towns and Localities:** Kalimna West, Toorloo, Lakes Entrance, and Metung are labeled.
- Road Network:** Major roads such as Princes Highway, Lakes Entrance Highway, and various local roads like South Boundary Road, Blackfellows Road, and Marine Parade are shown.
- Water Bodies:** The map shows the coastline, lakes, and the entrance to the Phillipian Sea.
- Infrastructure:** The map includes details of the road network, including bridges and intersections.



The map displays the following roads and landmarks:

- Roads:** Woodglen Road, Perry's Road, Alexander's Road, Bon Accord Road, Luby's Road, Bainsdale-Dargo Road, Hoyt Street, Reeves Lane, Snobbs Road, Wallers Lane, Kempton's Road, Swartjes Road, Walkers Road, Maidens Road, Lindenow-Glenaladale Road, Man Deans Road, Scotts Road, McCartnurs Lane, Robins Road, Boundary Road, Couzens Road, Straits Lane, Roberts Lane, Princes Highway, Freys Road, Sinclairs Road, Rashes Lane, Fernbank-Lindenow South Road, Edwards Road, Chettles Road, Cowells Lane, Resides Road, Pears Street, Fernbank-Glenaladale Road, Limpers Road, Honeyuckle Road, Bulmer Lane, Windmill Road, Bashford Road, Pettit Lane, Soldiers Road, Wy Yung-Calulu Road, Odomertys Road, Boggy Creek Road, Coys Road, Baudinets Road, Ives Road, Paces Lane, Hillside Road, Buchanans Lane, Hines Road, Andersons Road, Dahlsens Road, Leatham's Road, Redcourt Lane.
- Landmarks:** Flaggy Creek, Mount Taylor.
- Neighboring Areas:** Glenaladale, Fernbank, Hillside, Bengworden.



The map displays the Loch Sport Brigade Area, which includes the towns of Paynesville and Bengworden. The area is bounded by various roads, including Boundary Road, Swindells Road, Bengworden Road, Lower Goon Nure Road, Lyles Road, Phidians Road, Wattle Point Road, Peecks Road, Barkhill Road, Lake Victoria Road, Birrells Road, Broome Road, Aitken Road, Clearyarra Road, and Turners Road. The Loch Sport water body is prominent in the center. The map also shows the coastline and surrounding areas like Lindenow South and First Trade. A legend at the bottom right identifies various road types and features, and a scale bar at the bottom left indicates distances in kilometers (0, 2.5, 5, 10).

The map displays the Cann Valley and its surroundings. Key features include:

- Roads:** Coagalah Road, Drummer Road, Bischoff Road, Wingan Link Road, West Wingan Road, Stony Peak Road, Bralak Road, Wanganabell Road, Duncan Road, and the Murrumbidgee Highway.
- Water Bodies:** The Murrumbidgee River, the Murrumbidgee Water Treatment Plant, and the Cann Valley Water Treatment Plant.
- Locations:** Cann Valley, Murrumbidgee, Wanganabell, and the towns of Murrumbidgee and Wanganabell.
- Land Use:** The map is color-coded to show different land use zones: brown for agricultural land, green for forest, and blue for water.



This map illustrates the Marlo area in Victoria, Australia, highlighting its geographical features and infrastructure. The town of Marlo is centrally located on the Marlo River, which flows into Lake Corangamite. Key roads shown include the Princes Highway, Marlo Plains Road, Marlo-Cabbage Tree Road, Marlo-Conran Road, and Old Marlo Road. Other nearby towns such as Orbost, Bemm, and Newmerella are also marked. The map includes a legend for various symbols like roads, water, and buildings, and a scale bar indicating distances up to 10 kilometers.





EAST GIPPSLAND
SHIRE COUNCIL

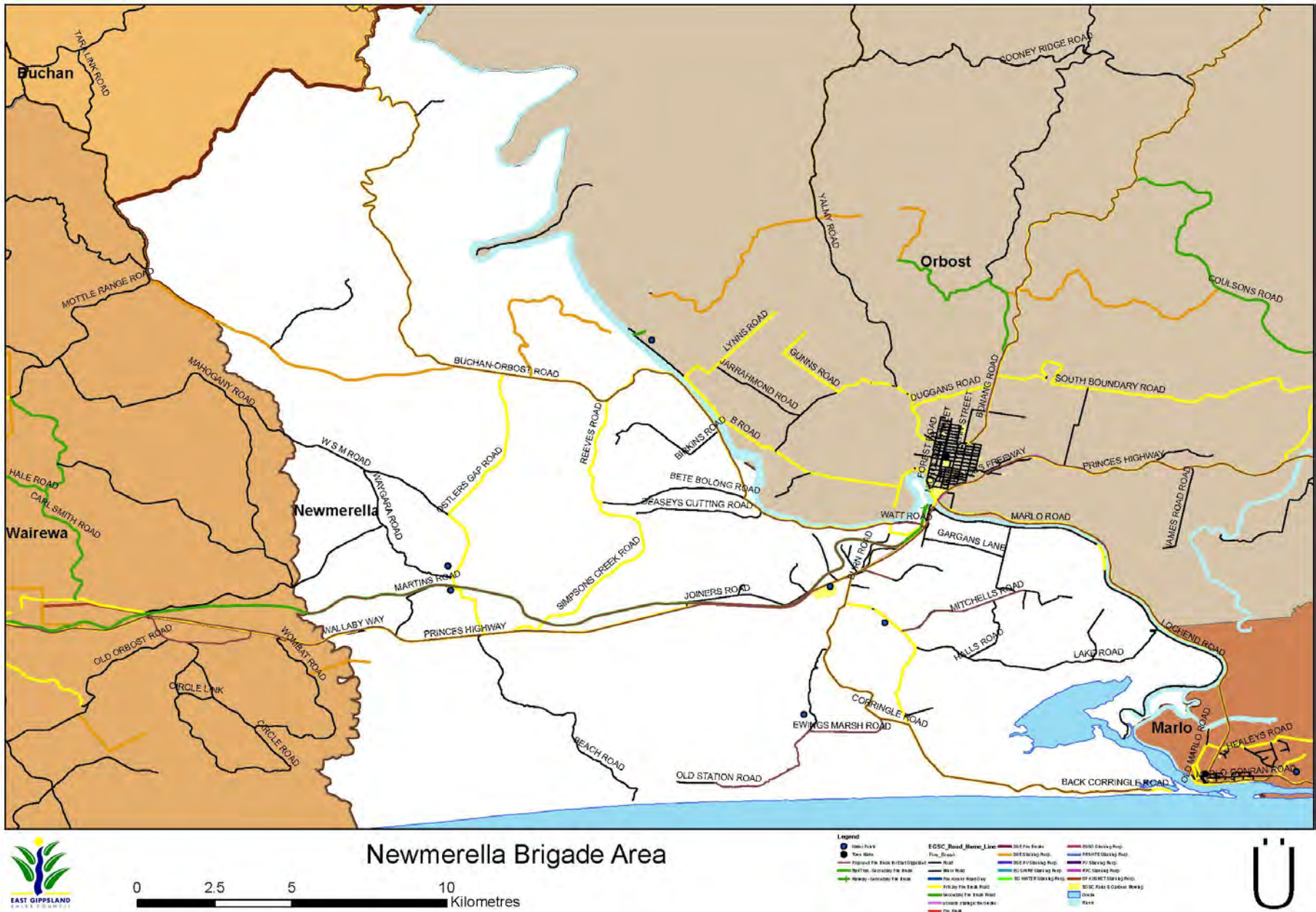
[illegible]

The map displays the Mossi-Tambo area, which is a large white region. It is surrounded by several other areas: Bruthen (orange) to the north and east, Sarsfield (brown) to the west, and Johnsonville (grey) to the south. The map shows a network of roads, including Ward Road, Paddy's Flat Road, Main Street, and many others. Rivers and creeks are depicted in blue and green, flowing through the landscape. The map also shows the boundaries of the Mossi-Tambo area and the surrounding regions.

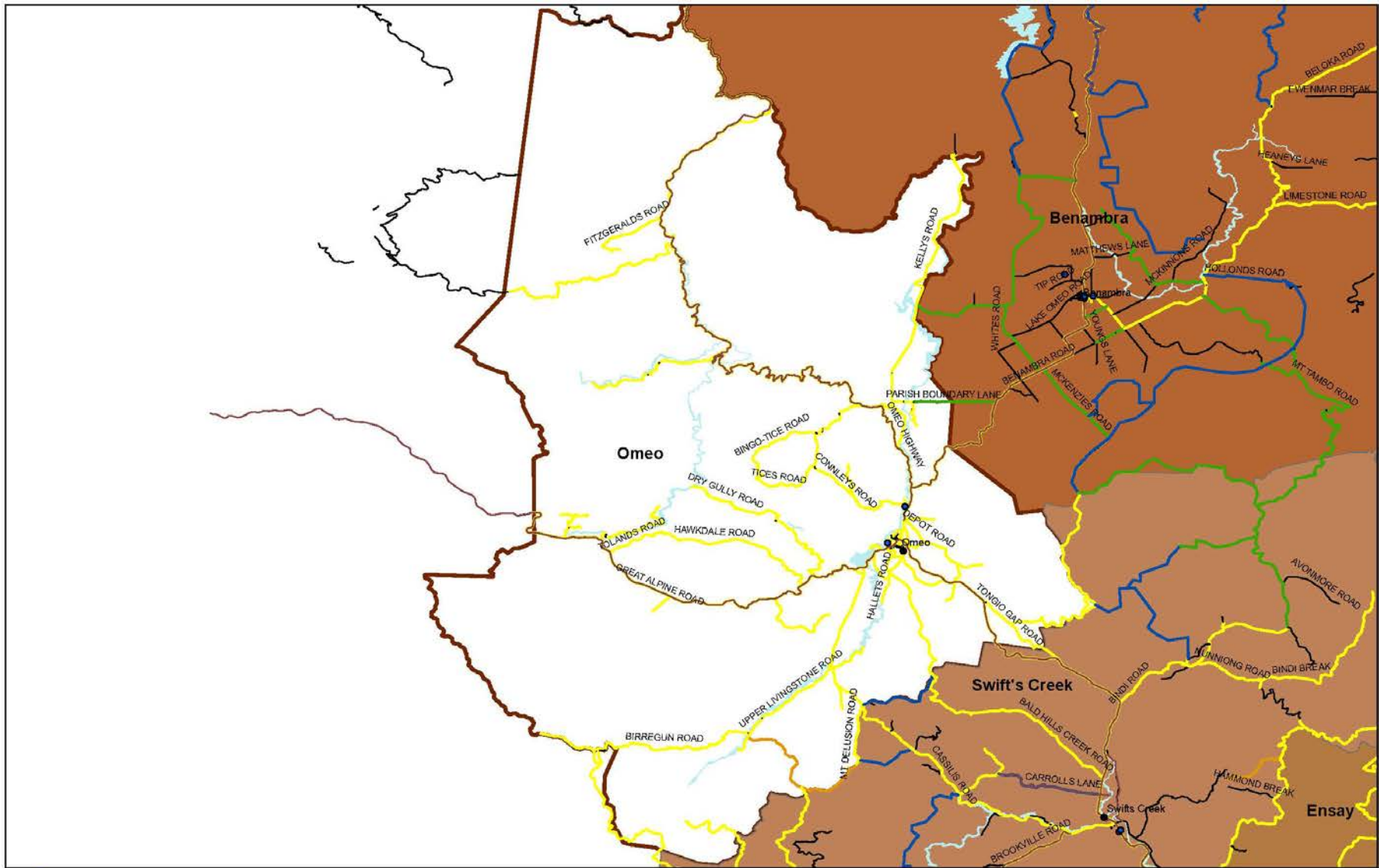




Map 27: Newmerella Brigade

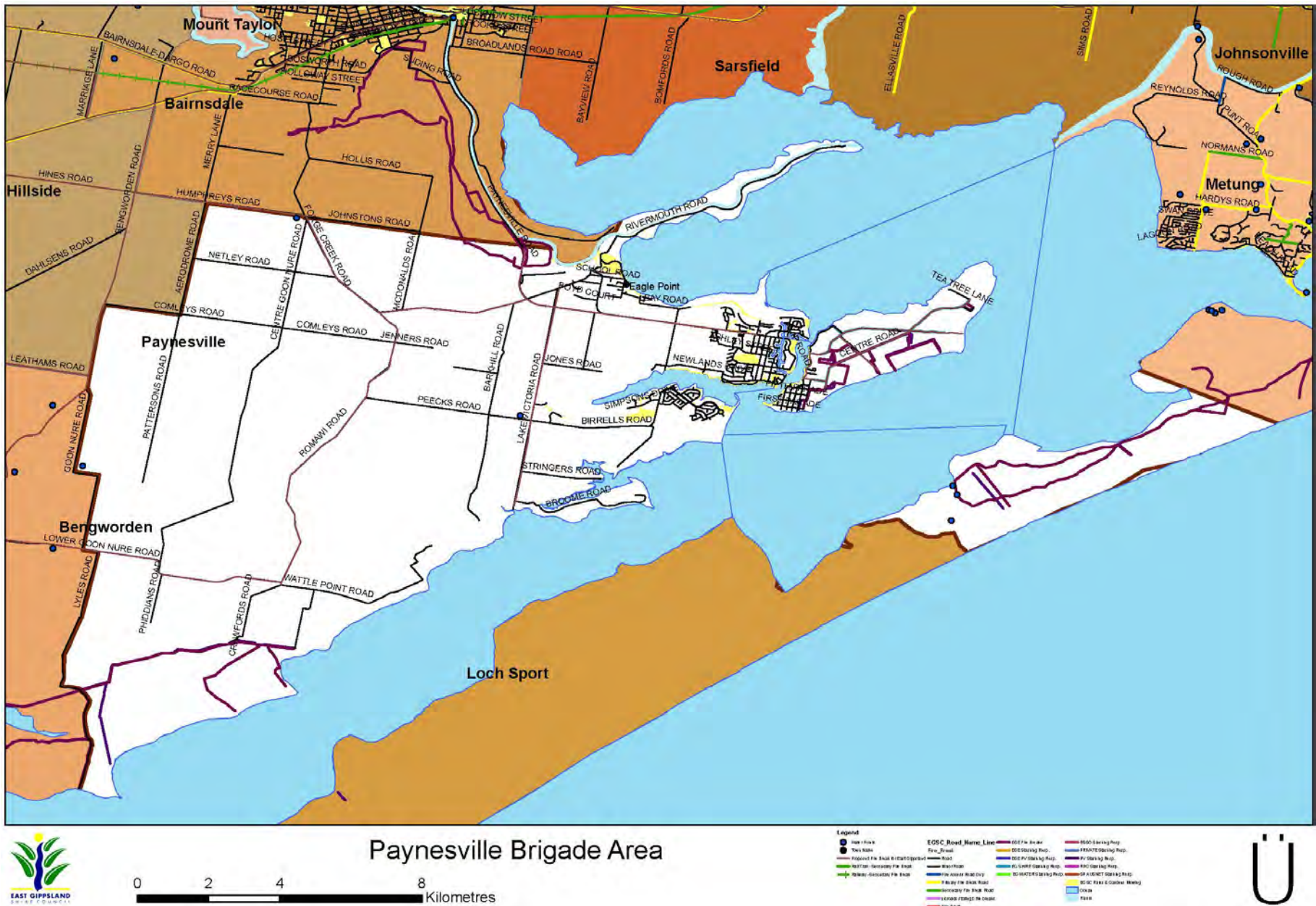


Map 28: Omeo Brigade

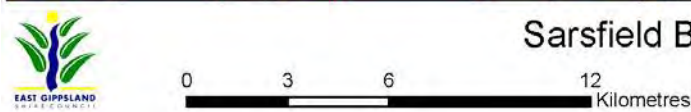
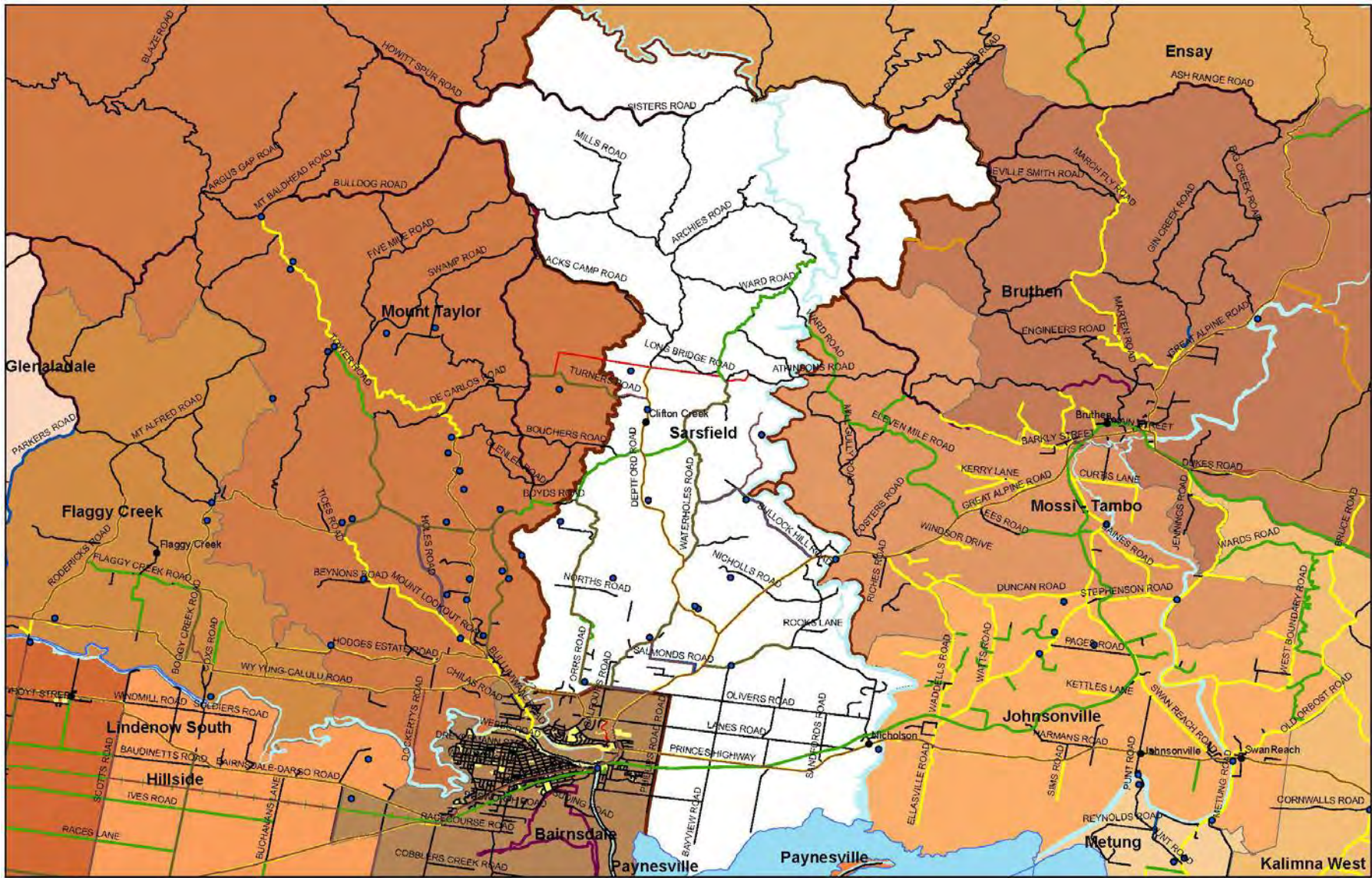


The map displays the Orbost Brigade Area, a coastal region in Victoria, Australia. It is bordered by Gelantipy to the north, Goongerah to the northeast, Bemm to the east, Marlo to the southeast, and Wairewa to the southwest. The central area is labeled 'Orbost'. The map shows a network of roads, including the Princes Highway, and various water bodies like the Orbost River and Lake Tyne. A legend at the bottom right defines road types such as 'EGSC Road', 'Main Road', and 'Proposed Road'. A scale bar at the bottom left indicates distances from 0 to 16 Kilometres. The map is titled 'Orbost Brigade Area' at the bottom center.

Map 30: Paynesville Brigade



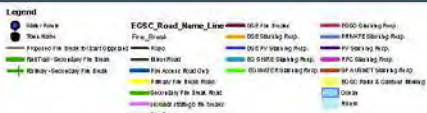
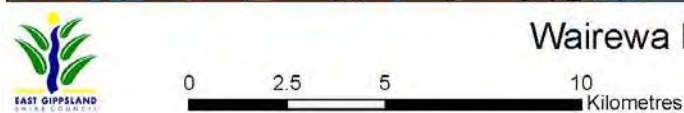
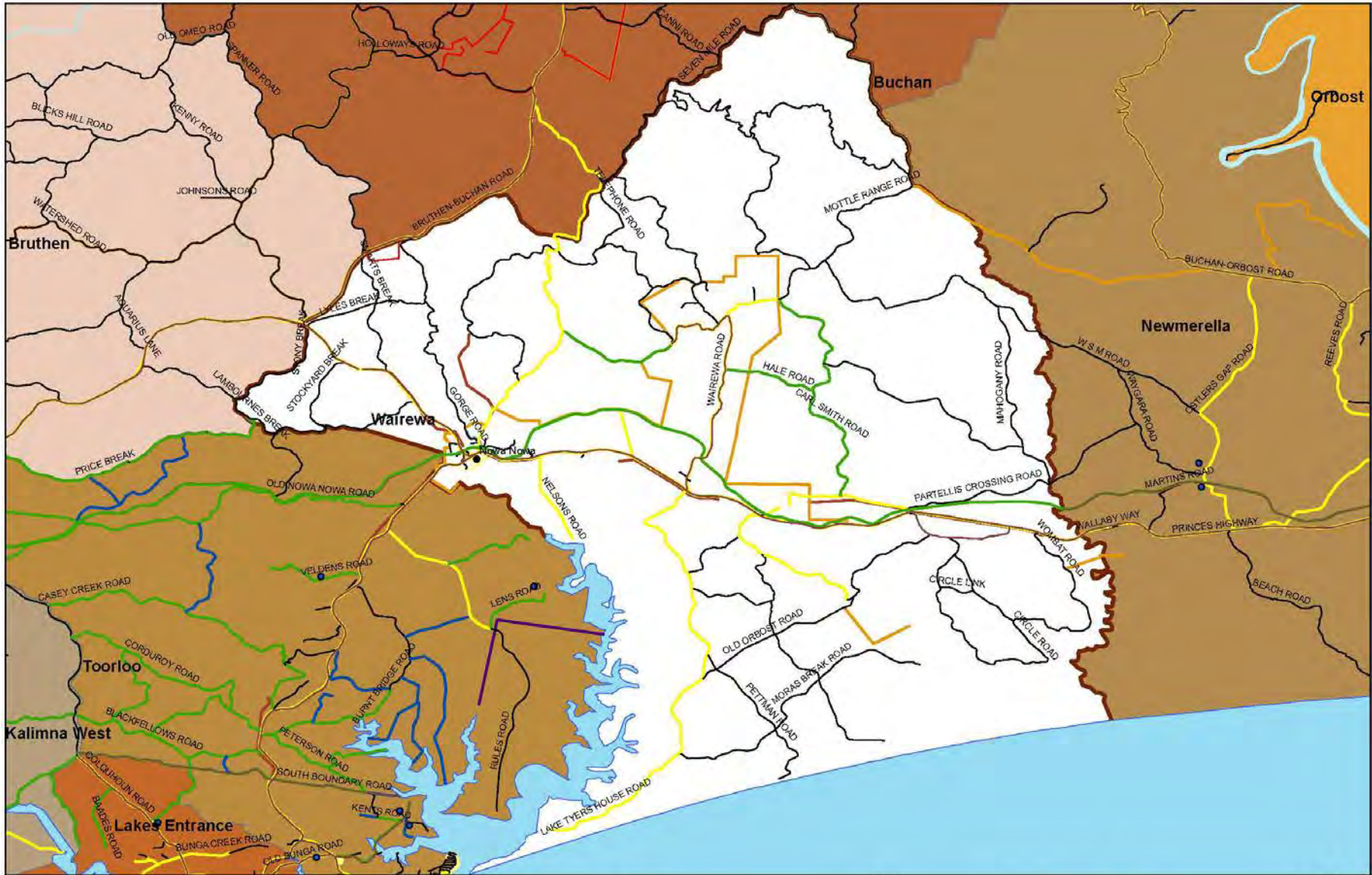
Map 31: Sarsfield Brigade



[illegible]

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Map 34: Wairewa Brigade



Attachment E – Links to other Plans

| Organisation type | Owner | Document Name | Plan purpose | Multi-agency | Hazards | Fire use |
|-------------------|------------------------------|--|----------------------|--------------|-----------------|-------------------------------------|
| CFA | CFA District 11 | District Operations Management Plans (DOMPs) | Strategic | | Fire | All |
| East Gippsland | CMA | East Gippsland Catchment Strategy 2012-2018 | Strategic | | All | |
| DEECD | DEECD | EM (facility) Template & Guidelines | | | | Prevention, Preparedness |
| DEWLP | DELWP | Code of Practise for Bushfire Management on Public Land DELWP / VF MOU for Fire Readiness Readiness and Response Fire Operations Plans Forestry Management Plan for East Gippsland and Gippsland Gippsland Fire Protection Plan (all 10 fire districts) | Strategic & Tactical | | Bushfire | Prevention, Preparedness, Responses |
| DELWP/PV | DELWP/PV | Area specific management plans DELWP/PV Ecological | | | Bushfire | |
| | | Conservation Reserves Mngt Strategy | | | Bushfire | |
| | | Other Reserve Management Plans - McCleod Morass & Jones Bay Wildlife Reserves. | | | Bushfire | |
| Municipality | East Gippsland Shire Council | Municipal Emergency Management Plan Municipal Land Management Plans | Strategic & Tactical | | All Bushfire | Prevention, Preparedness, Responses |
| Plantations | HVP | Arson Prevention Plan | Strategic | | Bushfire | |
| | | Forest Stewardship Plan | Strategic | | Bushfire | |
| Police | Police | Gippsland Emergency Response Plan | Strategic | | All | Prevention, Preparedness, Responses |

| Organisation type | Owner | Document Name | Plan purpose | Multi-agency | Hazards | Fire use |
|-------------------|----------------------|---|--------------|--------------|----------|----------------------|
| Utility | SP Ausnet | Bushfire Mitigation Pan ,Manual, Procedures & Forms Bushfire Mitigation Strategy Guidelines for the Safety of Fire & Emergency Services Operating in the Vicinity Extra High Voltage Transmission Assets Network Management Plan Transmission line maintenance plans (Regional subset of State Vegetation Management Plan & Procedures | Strategic | | Bushfire | Prevention |
| Parks Victoria | Parks Victoria | Heritage Management Strategy Indigenous Partnership Strategy and Action Plan \Parks Victoria Emergency plans | | | | Prevention |
| Rail | Rail | Corridor Fire Prevention Plans (Subset of State plan) Fire and Emergency Plans | | | | Prevention |
| | Vic Track | Fire Prevention Management Plan Fire Prevention Works | | | | |
| | V Line | Fire Prevention Works Plan FPPDWP - V/Line Fire Prevention Plan Detailed Works Program (Infrastructure) NIMG-2760.1 Fire Prevention Management Information 2012/2013 – Summary Works Program NIPR-2761 V/Line Fire Prevention Management | | | | Prevention |
| RAMSAR | RAMSAR | Gippsland Lakes Ramsar site strategic Management plan. Management of Victoria's Ramsar wetlands strategic directions | | | | Prevention, Recovery |
| VEAC | VEAC | Alpine Areas Special Investigation 1983 East Gippsland area Review 1986 Gippsland Lakes Hinterland 1983 Goolangook Forest Investigation 2006 Marine, Coastal and Estuarine Investigation 2002 Rivers & Streams Special Investigation 1991 | | | | Prevention, Response |
| Vic Roads | Vic Raods | Roadside Vegetation Management Plans | | | | Prevention |
| Water Authority | East Gippsland Water | Business Continuity Plans | | | | All |

Attachment F – FMPC Membership and Stakeholder Distribution List

| FMP Membership Agency/Organisation | Current Representative |
|---|---|
| CFA | District 11 |
| CFA | Volunteer representatives |
| DELWP | Forest Fire Management Victoria - Tambo |
| DELWP | Forest Fire Management Victoria - Snowy |
| East Gippsland Shire Council | Municipal Fire Prevention Officer |
| Parks Victoria | Chief Ranger Fire & Emergency |
| VicRoads | Team Leader Program Delivery |
| Fire Management Consultative Committees | Chairs |
| External Stakeholders | Can view the FMP on the East Gippsland Shire Council Website Emergency Information - East Gippsland Shire Council |

Attachment G - Glossary

| Term | Description |
|--|--|
| Acceptable risk | The level of potential losses that a society or community considers acceptable, given existing social, economic, political, cultural, technical and environmental conditions. |
| Assets and values ²¹ | Recognised features of the built, natural and cultural environments. Built assets may include buildings, Roads and bridges; Structures managed by utility and service providers; or recognised features of private land, such as houses, property, Stock and crops and associated buildings and equipment. Natural assets may include forest produce, forest regeneration, conservation values including vegetation types, fauna, air and water catchments*. Cultural values may include recreational, Indigenous, historical, archaeological and landscape values. |
| Assumption | A conclusion that is reached based on the information available at the time. |
| Bushfire | A general term used to describe a fire in vegetation. |
| Community | A group of people with a commonality of association and generally defined by location, shared experience or function. |
| Combustible gas | A gas that will burn when it is within its flammability range. |
| Combustible liquid | A liquid that has a flash point above 61° C. |
| Combustion | Rapid oxidation of fuels producing heat, and often light. |
| Community based disaster risk management | A process that seeks to develop and implement Strategies and activities for disaster preparedness (and often risk reduction) that is locally appropriate and locally 'owned'. |
| Consequence | Outcome or impact of an event. |
| Control Line | See Fireline |
| Critical infrastructure | <p>Critical infrastructure includes those services, physical facilities, supply chains, information technologies and communication networks that, if destroyed, degraded or rendered unavailable for an extended period, would significantly impact on the social or economic well-being of the community.</p> <p>Includes:</p> <ul style="list-style-type: none"> • Telecommunications • Electrical power systems • Gas and oil Storage and transportation • Banking and finance • Transportation • Water supply systems (and sewerage). <p>Adapted from Critical Infrastructure Advisory Council (CIAC).</p> |

²¹ Code of Practice for Emergency Management on Public Land

| Term | Description |
|---|--|
| Detection system | A system of fixed apparatus, normally part of an automatic fire alarm system, in which fire detectors, control equipment and indicating equipment are employed for automatically detecting fire and initiating other action as arranged. |
| Detector (fire) | A device which gives a signal in response to a change in the ambient conditions in the vicinity or within the range of a detector, due to a fire. |
| Elements at risk | The population, buildings and civil engineering works, economic activities, public services and infrastructure etc. exposed to sources of risk. |
| Emergency | An event, actual, or imminent that endangers or threatens to endanger life, property or the environment, and that requires a significant and coordinated response. |
| Essential service (Essential Services Commission Act 2001) | A service (including the supply of goods) provided by: <ul style="list-style-type: none"> • The electricity industry • The gas industry • The ports industry • The grain handling industry • The rail industry • The water industry • (g) Any other industry prescribed for the purpose of this definition. |
| Event | Occurrence of a particular set of circumstances. An incident or situation that occurs in a particular place during a particular interval of time. |
| Frequency | A measure of the number of occurrences per unit of time. |
| Fire | Comes under the definition of an Emergency. The Emergency Management Act 1986 defines 'emergency' as: "... the actual or imminent occurrence of an event which in any way endangers or threatens to endanger the safety or health of any person in Victoria or which destroys or damages, or threatens to destroy or damage, any property in Victoria or in any way endangers or threatens to endanger the environment or an element of the environment in Victoria, including, without limiting the generality of the foregoing and specific to integrated fire management and therefore includes: <ul style="list-style-type: none"> • A fire; and • An explosion, • A Rd accident or any other accident, • A disruption |
| Fire Access Track | A track constructed and/or maintained expressly for fire management purposes. |
| Fireline | A natural or constructed barrier, or treated fire edge, used in fire suppression and prescribed burning to limit the spread of fire. |
| Fuel Management | Modification of fuels by prescribed burning, or other means. (AFAC) |
| Hazard | A source of potential harm or situation with a potential to cause loss. A potentially damaging physical event that may cause loss of life or injury, property damage, social and economic disruption or environmental degradation. ²² |
| Impact | See consequence. |
| Likelihood | Used as a general description of probability or frequency – can be expressed qualitatively or quantitatively. |

²² ISDR, 2008. Climate Resilient Cities

| Term | Description |
|---------------------------|---|
| Loss | Any negative consequence or adverse effect – financial or otherwise. |
| Mitigation | Measures taken in advance of a disaster, aimed at decreasing or eliminating its impact on society and environment. |
| Monitor | To check, supervise, critically observe or measure the progress of an activity, action or system on a regular basis in order to identify change from the performance level required or expected. |
| Organisation | Group of people and facilities with an arrangement of responsibilities, authorities and relationships. |
| Practicable ²³ | What is realistic to achieve in the context of: <ul style="list-style-type: none"> the severity of the hazard or risk in question the State of knowledge about that hazard or risk and any ways of removing or mitigating that hazard or risk the availability and suitability of ways to remove or mitigate that hazard or risk the cost of removing or mitigating that hazard or risk. |
| Preparedness | Arrangements to ensure that in the event of an emergency all those resources and services that are needed to cope with the effects can be efficiently mobilised and deployed. |
| Prevention | Regulatory and physical measures to ensure that emergencies are prevented, or their effects mitigated. |
| Probability | A measure of the chance of occurrence expressed as a number between 0 and 1. 'Frequency' or 'likelihood' rather than 'probability' may be used in describing risk. The likelihood of a specific outcome, as measured by the ratio of specific outcomes to the total number of possible outcomes. Probability is expressed as a number between zero and unity – zero indicating an impossible outcome and unity indicating an outcome that is certain. Probabilities are commonly expressed in terms of percentage e.g. the probability of throwing a six on a single roll of a die is 1 in 6, or 0.167, or 16.7 per cent. |
| Recovery | The coordinated process of supporting emergency affected communities in the reconstruction of the physical infrastructure and restoration of emotional, social, economic and physical wellbeing. |
| Residual risk | Risk remaining after implementation of risk treatment. |
| Resilience | The capacity of a system, community or society potentially exposed to hazards to adapt, by resisting or changing in order to reach and Maintain an acceptable level of functioning and Structure. This is determined by the degree to which the social system is capable of organizing itself to increase its capacity for learning from past disasters for better future protection and to improve risk reduction measures ²⁴ |
| Response | Actions taken in anticipation of, during and immediately after an emergency, to ensure its effects are minimised and that people affected are given immediate relief and support. |

²³ Dangerous Goods (Storage and Handling) Regulations 2000, S.R. No. 127/2000

²⁴ UN/ISDR, Geneva 2004

| Term | Description |
|-------------------------|--|
| Risk | The chance of something happening that will have an impact on objectives. The probability of harmful consequences resulting from interaction between natural or human-induced hazards and vulnerable conditions ⁶ . |
| Risk analysis | Systematic process to understand the nature of, and deduce, the level of risk. |
| Risk assessment | The overall process of risk identification, analysis and evaluation |
| Risk criteria | Terms of reference by which the significance of risk is assessed. |
| Risk evaluation | Process of comparing the level of risk against risk criteria. |
| Risk identification | The process of determining what, where, when, why and how something could happen. |
| Risk management | The culture, process and Structures that are directed towards realising potential opportunities whilst managing adverse effects. |
| Risk management process | The systematic application of management of policies, procedures and practices to the tasks of communicating, establishing the context, identifying, analysing, evaluating, treating, monitoring and reviewing risk. |
| Risk reduction | Actions taken to lessen the likelihood, negative consequences, or both, associated with a risk. |
| Risk register | A listing of risk Statements describing sources of risk and elements at risk, with assigned consequences, likelihoods and levels of risk. |
| Risk treatment | Process of selection and implementation of measures to modify risk. The term 'risk treatment' is sometimes used for the measures themselves. |
| Smoke alarm | A device which is activated by the presence of smoke and sounds an alarm. |
| Smoke Detector | A device which is sensitive to the presence of smoke |
| Source of risk | Source of potential harm. |
| Stakeholders | Those people and organisations who may affect, be affected by, or perceive themselves to be affected by a decision, activity or risk. |
| Structures | Any building, industrial plant, erection, edifice, wall, chimney, fence, bridge, dam, reservoir, wharf, jetty, earth works, reclamation, ship, floating structure, or tunneling works. |
| Susceptibility | The potential to be affected by loss. |
| Tolerable Risk | A risk within a range that society can live with so as to secure certain net benefits. It is the range of risk regarded as non-negligible and needing to be kept under review and reduced further if possible. |
| Treatment | An existing process, policy, device, practice or other action that acts to minimise negative risk or enhance positive opportunities. The word control may also be applied to a process designed to provide reasonable assurance regarding the achievement of objectives. |

| Term | Description |
|------------------------------------|--|
| Treatment (adequacy) assessment | Systematic review of processes to ensure that controls are Still effective and appropriate. |
| Vulnerability | The conditions determined by physical, social, economic and environmental factors or processes, which increase the susceptibility of a community to the impact of hazards. ²⁵ |
| Vulnerable people (DHS definition) | Those living in high bushfire risk areas and who are unable to make an independent decision, including due to cognitive impairment; physically dependant and totally reliant on in home personal care and support; and people who live alone and are geographically and socially isolated with no co-resident carer or family. |

A full Bushfire glossary can be viewed via following the Link: [Bushfire Glossary, AFAC Knowledge Web](#)

A full Urban (Structure Fire) glossary can be viewed via following the Link: [Urban Glossary, AFAC Knowledge Web](#)

²⁵ UN/ISDR, Geneva 2004

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Attachment H – Acronyms

| Acronyms | Definition |
|----------|---|
| ABS | Australian Bureau of Statistics |
| AFAC | Australian Fire and Emergency Service Council |
| AV | Ambulance Victoria |
| BCA | Building Code of Australia |
| BMO | Bushfire Management Overlay |
| BPA | Bushfire Prone Areas |
| CFA | Country Fire Authority |
| CIG | Community Information Guide (formerly named Township Protection Plan) |
| CMA | Catchment Management Authority |
| COAG | Council of Australian Governments |
| DAFF | Department of Agriculture, Fisheries and Forestry |
| DEECD | Department of Education and Early Child Development |
| DHS | Department of Human Services |
| DoD | Department of Defence |
| DPCD | Department of Planning and Community Development |
| DELWP | Department of Environment, Land Water and Planning (previously DELWP) |
| EHO | Environmental Health Officer |
| EMP | Emergency Management Plan |
| EPA | Environment Protection Agency |
| ESO | Emergency Services Organisation |
| FFMVic | Forest Fire Management Victoria |
| FOP | Fire Operations Plan |
| FSC | Fire Services Commissioner |
| GLGN | Gippsland Local Government Network |
| GRP | Gippsland Regional Plan |
| HVP | Hancock Victorian Plantations |
| HAZMAT | Hazardous Material |
| IFMP | Integrated Fire Management Planning |
| LGA | Local Government Area |

| Acronyms | Definition |
|------------|---|
| LUP | Land Use Planning |
| MAV | Municipal Association Victoria |
| MEMP | Municipal Emergency Management Plan |
| MEMPC | Municipal Emergency Management Planning Committee |
| MERC | Municipal Emergency Response Coordinator |
| MFMP (FMP) | Municipal Fire Management Plan (Fire Management Plan) |
| MFMPCC | Municipal Fire Management Planning Committee |
| MFPO | Municipal Fire Prevention Officer |
| MFPP | Municipal Fire Prevention Plan |
| MOU | Memorandum of Understanding |
| MSV | Marine Safety Victoria |
| NSP/PLR | Neighbourhood Safer Place/Place of Last Resort |
| PIP | Pre Incident Plan |
| PPRR | Prevention Preparedness Response Recovery |
| PV | Parks Victoria |
| RAMSAR | Ramsar Convention (formally entitled "The Convention on Wetlands of International Importance, especially as Waterfowl Habitat") |
| RSFMP | Regional Strategic Fire Management Plan |
| RSFMPC | Regional Strategic Fire Management Planning Committee |
| SES Vic | State Emergency Services Victoria |
| SFMPC | State Fire Management Planning Committee |
| SRW | South Rural Water |
| CIG | Township Protection Plan – now named Community Information Guide |
| VBRC | Victorian bushfire Royal Commission |
| VEAC | Victorian Environmental Assessment Council |
| VFF | Victorian Farmers Federation |
| VFRR | Victorian Fire Risk Register |
| VicPol | Victoria Police |
| VICSES | Victoria State Emergency Service |
| VRQA | Victorian Registration and Qualifications Authority |

Attachment I – References

| Reference Title | Document Originator |
|---|-------------------------------------|
| Australian Bureau of Statistics – Census Data 2006, 2011, 2017 | Australian Bureau of Statistics |
| Building Act 1993 | State Government |
| Building Code of Australia (BCA) 1990, Building Regulations 1994 | COAG |
| Building Code of Australia (BCA) 1990, Building Regulations 1994 | COAG |
| Building New Foundations | Fire Services Commissioner Victoria |
| Building Regulations 2006 | State Government |
| Bushfire Safety Policy Framework | Fire Services Commissioner Victoria |
| Caravan Park Fire Safety 2012 | CFA |
| Code of Practice for Fire Prevention on Declared Roads | VicRoads |
| Code of Practice for Bushfire Management on Public Land 2012 | DELWP (now DELWP) |
| Community Refuge Policy | Fire Services Commissioner Victoria |
| Country Fire Authority Act 1958, CFA Regulations 1992 | State Government |
| Dangerous Goods Regulations 2000 | State Government |
| Emergency Management Act 1986 | State Government |
| Emergency Management Manual Victoria | State Government |
| Essential Safety Measures Procedures Manual June 2012 | East Gippsland Shire Council |
| Fire Services Commissioner Act 2010 | State Government |
| Flora and Fauna Act 1988 | State Government |
| Forests Act 1958 | State Government |
| Health Act 1958 | State Government |
| Integrated Fire Management Planning Framework | SFMPC |
| Integrated Fire Management Planning Guide 2010 | SFMPC |
| ISO 31000 : 2009 | AS/NZS |
| Living with fire - Victoria's Bushfire Strategy | State Government |
| Making Victoria Fire ready (Implementing Governments response to 2009 VBRC) | CFA |
| Municipal Emergency Management Plan 2011 | East Gippsland Shire Council |
| Municipal Fire Prevention Plan 2009 | East Gippsland Shire Council |
| National Parks Act 1975 | State Government |
| Planning and Environment Act 1987 | State Government |
| Road Management Act 2004 | State Government |
| Roadside Fire Management Guidelines (2005) | CFA |
| State Conservation Strategy 1987 | State Government |
| State Fire Management Strategy 2009 | SFMPC |
| VEM Hazard Tree and 56M Assessment Procedure | SP AusNet |
| VFRR Exports, Reports & Handouts | CFA |
| VicRoads 1085 Code of Practice | VicRoads |

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