

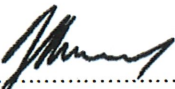


MINUTES

LOCAL EMERGENCY MANAGEMENT COMMITTEE (LEMC)

1 September 2020

The Chief Executive Officer recommends the endorsement of these minutes at the next Local Emergency Management Committee Meeting.

Signed:  Date (07/09/2020)

These minutes were confirmed at the Local Emergency Management Committee Meeting held on 8 December 2020.

Signed: 
(Presiding Person at the meeting at which minutes were confirmed)

Acknowledgement of Noongar People

The Shire of Narrogin acknowledges the Noongar people as traditional custodians of this land and their continuing connection to land and community. We pay our respect to them, to their culture and to their Elders past and present.

Electronic copies of minutes and agendas are available for download from the Shire of Narrogin website www.narrogin.wa.gov.au

Alternative formats are also available upon request, including large print, electronic format (disk or emailed), audio or Braille

DISCLAIMER

Council and Committee agendas, recommendations, minutes and resolutions are subject to confirmation by the Council or Committee and therefore, prior to relying on them, one should refer to the subsequent meeting of Council or the Committee with respect to their accuracy.

No responsibility whatsoever is implied or accepted by the Shire of Narrogin for any act, omission or statement or intimation occurring during Council/Committee meetings or during formal/informal conversations with staff.

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Please note that meetings may be recorded for minute taking purposes.

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LEMC MEETING

1 SEPTEMBER 2020

1. OFFICIAL OPENING/ANNOUNCEMENT OF VISITORS

The Presiding Member, Cr Bartron, declared the meeting open at 4:38 pm.

2. RECORD OF ATTENDANCE/APOLOGIES/APPROVED LEAVE OF ABSENCE

Committee Members (Voting)

Cr Clive Bartron	Presiding Member
Snr Sgt John Bouwman	WA Police – OIC Narrogin (LEM Coordinator)
Jenny Menasse	WACHS-Wheatbelt - Operations Manager
Joanne Spadaccini	Department of Communities
Cameron Hayes	Narrogin VFRS Unit – Captain
Yvette Harrison	Department of Education

Invited Guests/Visitors (Non Voting)

Melissa Walker	WA College of Agriculture – Narrogin
Janine Keall	Narrogin Senior High School
Brad Pearce	Main Roads WA
Stan Matveev	Housing Authority
Adam Smith	DFES
Rodney Thornton	Roadwise
Craig Andrew	Westnet Rail
Dorinda Wyatt	Health WA

Staff

Azhar Awang	Executive Manager Development & Regulatory Services (EMDRS)
Wendy Russell	Executive Support Officer (ESO)
Rob Powell	Senior Environmental Health Officer (SEHO)

Apologies

Cr Brian Seale	Councillor – Shire of Narrogin
Simon Vogel	DFES – Narrogin Regional Officer
Greg Durell	DBCA – Parks & Wildlife Services
Hayden Johnstone	Narrogin St John Ambulance
Alison Lacey	Department of Primary Industry & Regional Development
Leigh Ballard	Shire President
Dale Stewart	Chief Executive Officer
Louise Armstrong	East Narrogin Primary School
Neil Darby	Wheatbelt Education Office
David Harrison	Narrogin Primary School
Stan Matveev	Housing Authority
Niall Gibson (Major)	Salvation Army

3. CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

OFFICERS' RECOMMENDATION & MEETING RESOLUTION

Moved: John Bouwman Seconded: Jenny Menasse

That the minutes of the Local Emergency Management Committee Meeting held on 6 July 2020 be confirmed as an accurate record of the proceedings.

CARRIED

4. ANNOUNCEMENTS BY THE PERSON PRESIDING WITHOUT DISCUSSION

Nil

5. MATTERS WHICH REQUIRE DECISIONS

Nil

6. MATTERS WHICH REQUIRE DISCUSSION

6.1. **Great Southern District Emergency Management Committee (DEMC) Correspondence - Identifying Water Sources For Bushfire Season.**

DEMC have encouraged all local governments and local emergency management committees to consider creating a list of potential firefighting water sources, consider strategies for obtaining water (such as bulk tankers) and to review resources registers and contact lists within Local emergency management arrangements.

ACTION Azhar to work on list of available resources, including standpipes, water tanks, and investigate funding from DFES for water storage tanks.

The principle of WA College of Agriculture – Narrogin advised that they have 3 large water tanks. There is also a tank at Speedway.

Brad Pearce from Main Roads WA mentioned that Main roads will check if they have any tanks in the area.

6.2. **Great Southern DEMC – July 2020 Communique**

Attachment 1: Great Southern DEMC – July 2020 Communique for information.

Of particular interest to members of the committee was the Managing Exercises online course designed to provide the EM Sector with greater accessibility to exercise training which will help with preparedness to deal with hazards. [Here is the link to the online training course.](#)

Another item noted by the committee was that the Department of Primary Industries and Regional Development have released a series of information on Animal Welfare in Emergencies. [Here is the link to their website.](#)

6.3. Local Government Emergency Management Forum (Great Southern).

The Local Emergency Management Forum was held on 25 August 2020 at the Narrogin DFES training facility which was presented by Adam Smith, District Emergency Management Advisor, and Great Southern Region. Items included in the agenda were:

- Action items from the previous forums
- Management Lessons update
- Resilience Workshop,
- Local Emergency Management - Committees, Communities and Managing Expectations
- Capability Survey Outcome
- Presentation by Sue Groome from Australian Disaster Resilience on Community Resilience.

6.4. Risk Assessment Summary Report

Attachment 2: Letter from SEMC and copy of the Risk Assessment Summary.

The SEMC has confirmed that the Shire of Narrogin Local level Risk Assessment Summary report and Risk Register has been reviewed by DFES state risk project team and have met the requirements and are in compliant.

6.5. Review of the Local Emergency Management Arrangements (LEMA)

The LEMA is due for review, this document has been sent separately to all members for reviewing and provide amendments back to the Shire

6.6. Update of LEMC contact list details

Attachment 3: Current LEMC Contact list (NOTE: this information is confidential).

Executive Support Officer (ESO) will update the list with details provided to date.

6.7. Update on the Bushfire Risk Management Plan (BRMP)

EMDRS provided an overview of the BRMP which was adopted by Council at the Council Meeting held on 25 August 2020.

Mr Peter Cupitt, the Bushfire Risk Planning Coordinator, has identified assets in the shire which are a fire risk. The shire will contact all property owners with property identified as either extreme or very high fire risk, staff will then meet with owners to provide advice on strategies that can be undertaken to reduce the risks.

6.8. COVID 19 Updates

Jenny Menasse – WACHS-Wheatbelt, Operations Manager

- Current statics for Western Australia as at 1 September 2020.
 - 655 people tested positive
 - 641 recovered
 - 5 active
 - 9 deaths
 - No cases currently in hospital.
- Testing is still available at the rear of the hospital, you must call first.

Joanne Spadaccini – Department of Communities

- Exercises have been undertaken with Karinya, Residency by Dillons and Narrogin schools.
- In Perth extra support/resources for phone help line.

Snr Sgt John Bouwman – WA Police

- It is anticipated that directions relating to crowds will be updated next week.
- There is still concern about a second wave and contact tracing is ongoing.
- A person, with mental health issues, returning from the eastern states failed to adhere to isolation instructions, they were tested and returned a negative result.

Yvette Harrison – Department of Education

- Ongoing testing of students and teachers.
- Some students are suffering from anxiety about attending school.

Azhar Awang – Executive Manager Development & Regulatory Services (EMDRS)

- Yesterday was the final day for spending Narrogin\$, there has been a 75-78% uptake which is good for the economy.

Wendy Russell provided details of an update provided by Niall Gibson (Major)

Major Niall Gibson- Salvation Army

- Helping a gentleman because of the COVID situation.
- Today they received a call to see if they could organise some food for someone who is self isolating in town.

7. GENERAL BUSINESS

It a requirement to undertake an emergency exercise each year, Adam Smith is looking into combined exercise with adjoining Shires to satisfy requirements

8. DATE TIME & VENUE OF NEXT MEETING

The next scheduled meeting of the LEMC is Tuesday 8 December 2020 at 4:30 in the Administration meeting room.

9. CLOSURE OF MEETING

There being no further business to discuss, the Presiding Member declared the meeting closed at 5:30 pm.

**SEMC****GREAT SOUTHERN
DEMC**

July 2020 Communiqué

The Great Southern District Emergency Management Committee (DEMC) met on the 1st July 2020. The meeting was held in tandem to the COVID-19 Great Southern Operational Area Support Group meeting and served to address matters requiring immediate attention. The key discussion items and resolutions from the meeting are summarised below.

Radio Communications

Following matters raised by the Ravensthorpe Local Emergency Management Committee in 2019 DEMC member agencies with WAERN radios were asked to conduct familiarisation training. All members reported they had completed the training exercises and, in some cases, where gaps in communication were found strategies have been implemented to close gaps.

District Emergency Management Committee Business Plan

The process to conduct the 2020-2023 DEMC Business Plan has commenced. The new plan will be based on the next SEMC Strategic Plan (when released) and the Great Southern 2029 report.

Local Emergency Management Arrangements (LEMA)

The DEMC noted the LEMA from the Shires of;

- Brookton
- Dumbleyung
- Wagin

LEMC Meetings

All local governments have been encouraged to identify and document their 2020/2021 meeting schedules. A list of all available LEMC meetings was tabled for the DEMC.

Post Exercise Reports

The Department of Communities tabled three reports from;

- Exercise Ignis – Shire of West Arthur
- Post Operation Report – Mt Success Bushfire
- Post Operation Report – Katanning Bushfire

Local Emergency Management Forum

The DEMC endorsed the outcomes of the Local Emergency Management Forums held in March 2020 as action items for the Committee. Progress reports for the action items will be presented at the next Forum.

The purpose of the forum is to provide an opportunity for local government staff with emergency management responsibilities to come together, share learnings, experiences, work collaboratively on SEMC requirements and hear about the latest in emergency management.

The next Local Emergency Management Forums for local government staff and Councillors are scheduled for the end of August 2020.

COVID-19

The Great Southern Operational Area Support Group continues to meet on a fortnightly basis in support of the Department of Health's response to COVID-19. Local Emergency Management Committees have been encouraged to return to business as usual while maintaining a capability to come together at short notice if needed.

The latest information is available via <https://www.wa.gov.au/> and [Healthy WA](#).

State Emergency Management Framework Updates

At its last meeting the State Emergency Management Committee endorsed a number of updates to the suite of State EM documents. A summary of the updates is available on the [SEMC website](#).

WA Managing Exercises Online Course

The Managing Exercises online course is designed to provide the EM Sector with greater accessibility to exercise training which will help with your preparedness to deal with hazards. The course compliments the WA Managing Exercises Guideline and is consistent with the Australian Institute of Disaster Resilience, *Managing Exercises Handbook 3*, the ANZCTC *Managing Exercises Course* and the Tasmanian *SES Managing Exercises Handbook*.

The course is designed to:

- Provide a simple overview of the exercise management process aligned to the WA Managing Exercises Guideline.
- Introduce participants to the WA Managing Exercise Guideline templates and exemplars.
- Designed to support small exercises whilst also providing more comprehensive information for larger and more complex exercises.

The online course is intended to be 'self-paced' learning, so you can take your time working through it, or come back to it if you get interrupted. The Activities are optional. They are provided to introduce the templates and to allow you to work through the exercise planning and development process. You do not have to complete the activities to complete the course. There is no assessment, but you MUST click and open ALL the information boxes to progress through the modules.

Access the course [here](#)

Animal Welfare in Emergencies

The Department of Primary Industries and Regional Development have released a series of information on [*Animal Welfare in Emergencies*](#). This includes a number of [tools, helpful links, fact sheets](#) and a Guide and Template for local governments to create their own [Local Plan for Animal Welfare in Emergencies Guide](#).



Government of **Western Australia**
State Emergency Management Committee

Our Ref: 20/138425
 Enquiries: semc.risk@dfes.wa.gov.au

Dear Dale Stewart,

COMPLIANT LOCAL LEVEL RISK ASSESSMENT SUMMARY REPORT AND RISK REGISTER

Thank you for submitting the Shire of Narrogin local level risk assessment summary report and risk register as part of local government's emergency risk management requirements. These documents were reviewed by the Department of Fire and Emergency Services (DFES) State Risk Project Team. I am pleased to advise that these meet the requirements and are compliant.

Well done – this is a significant achievement and I am sure this will further help building the safety of our community and to help better target our emergency management efforts. The results of your current risk assessment can be used to inform and improve your Local Emergency Management Arrangements (LEMA).

Continuous monitoring and review of the risks is an essential to ensure we stay ahead of any new and emerging risks. We ask that local governments review their local level risk assessment summary report and risk register every five years. However, as your LEMA is due in less than five years, it is not necessary to complete this review until one year prior to your subsequent LEMA review.

To help with risk treatments, the DFES State Risk Project Team have created a prototype manual called the *WA Emergency Risk Management Treatment Manual*. This is here to help you identify and create treatment ideas for identified risks. This manual and associated tools can be found on the SEMC website: www.semc.wa.gov.au/state-risk-project/risk-tools.

Please pass on my thanks to all those involved in your emergency risk management assessments.

If you have any queries or questions, please contact the DFES State Risk Project Team at semc.risk@dfes.wa.gov.au

Yours sincerely

Dr Ron F Edwards
CHAIR
STATE EMERGENCY MANAGEMENT COMMITTEE

4/08/2020

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Shire of Narrogin
Local Emergency Management Committee
Risk Assessment Results Summary



Shire of
Narrogin

Background:

Under the Emergency Management Act 2005 and State Emergency Management Policy, each local government is required to undertake an assessment of the hazards likely to occur within its district. The Narrogin Local Emergency Management Committee (LEMC) had identified the hazards of Animal or Plant Pests or Disease, Fire, Earthquake and Storm as the most likely to occur within the district. On the 9th August 2017 the committee attended a workshop facilitated by the Local Emergency Management Committee Executive Officer and the Officer of Emergency Management to determine the level of risk from each hazard. The following agencies attended the workshop;

Shire of Narrogin x 4
Office of Emergency Management
Karinya House
WA Police
Narrogin Primary School
East Narrogin Primary School
Department of Communities
Department of Biodiversity, Conservation and Attractions

The workshop utilised the WA Risk Register Tool and the tailored Consequence Table for the Shire of Narrogin provided on the Office of Emergency Management website. Following the workshop a number of risks associated with Animal or Plant Pests or Disease were marked as having a Low Confidence and were referred to the Department of Primary Industries and Regional Development for further examination.

Assessment Outcomes & Profile Analysis

A total of 191 risks were examined across the four hazards. Risks were rated as follows;

Risk Rating	Number of Risks	Number Requiring Treatment	Number to Consider Treating
High	23	23	
Medium	67		67
Low	58		0
Very Low	43		0

Table 1: Risk Rating Snapshot

Of the 23 high risks requiring treatment 12 risks related to the economy, 7 to people, 2 to social setting and 2 to public administration. Of the 67 medium risks which will require considerations for treatment, 26 risks related to the economy, 23 risks related to public administration, 17 risks related to the social setting and 1 risk related to people.

Across the four assessed hazards the greatest number of risks relate to the economy of the district (38) and then public administration (25).

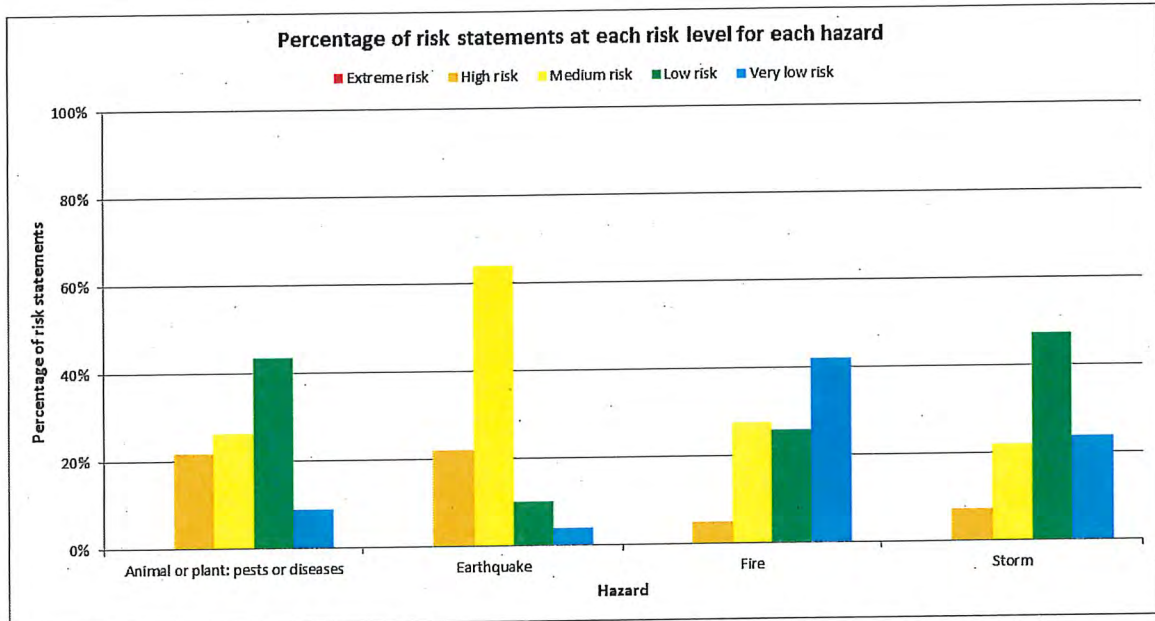
Common theme across the 4 hazards in High economic risks related to

Risk	Hazard
will impact private buildings and contents, resulting in financial losses.	Storm Earthquake
will impact commercial buildings, contents and services, resulting in financial losses	Storm Earthquake
will impact main road transport routes, resulting in repair costs and/or financial losses.	Storm Earthquake
will impact sewerage systems, impacting the ability to maintain core services.	Storm Earthquake

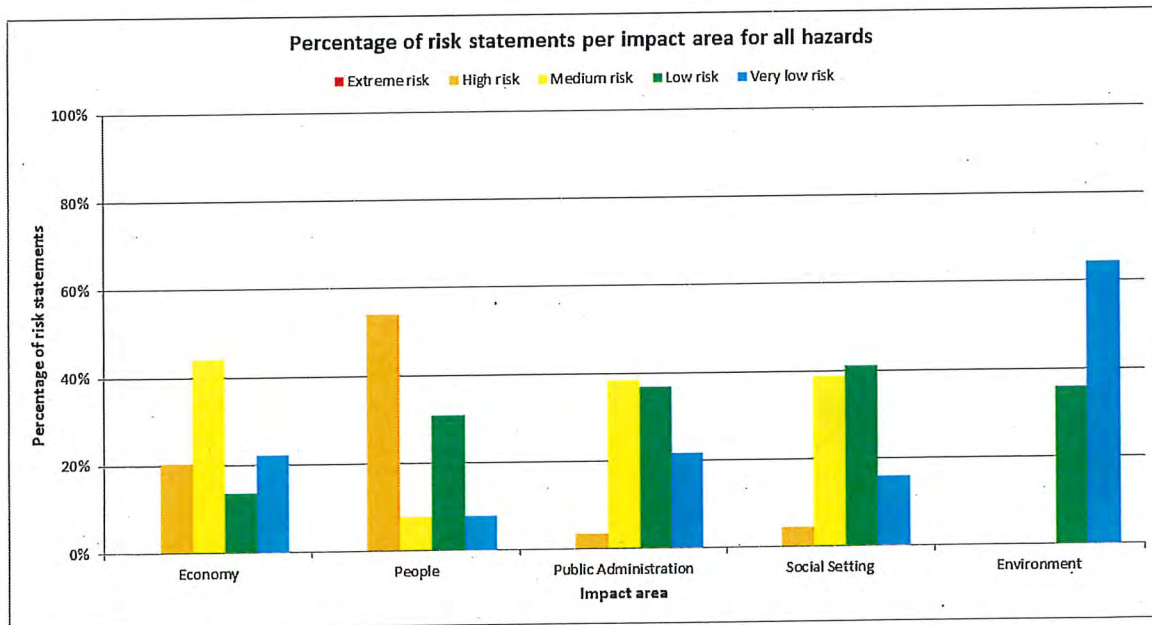
Table 2: Showing risks statements = High rating across assessed hazards

Hazard	Risk Statement	Impact Area	Consequence	Risk Level	Priority Level	Treatment Recommendation
Animal or plant: pests or diseases	will impact on livestock (e.g. through death/injury/lack of pasture), resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Animal or plant: pests or diseases	will disrupt business activities, resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Animal or plant: pests or diseases	will impact the health of people and cause death(s).	People	Catastrophic	High	3	Treat (Recommended action)
Animal or plant: pests or diseases	will impact the health of people and cause injury and/or serious illness.	People	Catastrophic	High	3	Treat (Recommended action)
Animal or plant: pests or diseases	will cause displacement, death or injury to animals, impacting the wellbeing of the community.	Social Setting	Catastrophic	High	3	Treat (Recommended action)
Fire	will impact the health of people and cause death(s).	People	Catastrophic	High	3	Treat (Recommended action)
Fire	will impact the health of people and cause injury and/or serious illness.	People	Catastrophic	High	3	Treat (Recommended action)
Fire	will impact residential dwellings and contents, impacting the wellbeing of the community.	Social Setting	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will cause an increased demand (surge) on WA health services (including remote health services such as nursing posts and smaller hospitals/clinics) at the local level, impacting their ability to maintain core services.	Public Administration	Catastrophic	High	2	Treat (Recommended action)
Earthquake	will impact private buildings and contents, resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact commercial buildings, contents and services, resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact main road transport routes, resulting in repair costs and/or financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact sewerage systems, resulting in repair costs and/or financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact potable water supply (e.g. due to damage to infrastructure such as dams, piping and bores), resulting in repair costs and/or financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will result in recovery activities, resulting in costs to local government.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact agricultural industry infrastructure (e.g. fencing, machinery, grain stores etc.), resulting in recovery costs and/or financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact the health of people and cause death(s).	People	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will impact the health of people and cause injury and/or serious illness.	People	Catastrophic	High	3	Treat (Recommended action)
Earthquake	will cause emergency services (including ambulance and medical transport services such as RFD/SA) to be overwhelmed, resulting in further deaths directly attributable to the hazard event.	People	Catastrophic	High	3	Treat (Recommended action)
Storm	will impact private buildings and contents, resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Storm	will impact commercial buildings, contents and services, resulting in financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Storm	will impact main road transport routes, resulting in repair costs and/or financial losses.	Economy	Catastrophic	High	3	Treat (Recommended action)
Storm	will impact sewerage systems, impacting the ability to maintain core services.	Public Administration	Catastrophic	High	3	Treat (Recommended action)

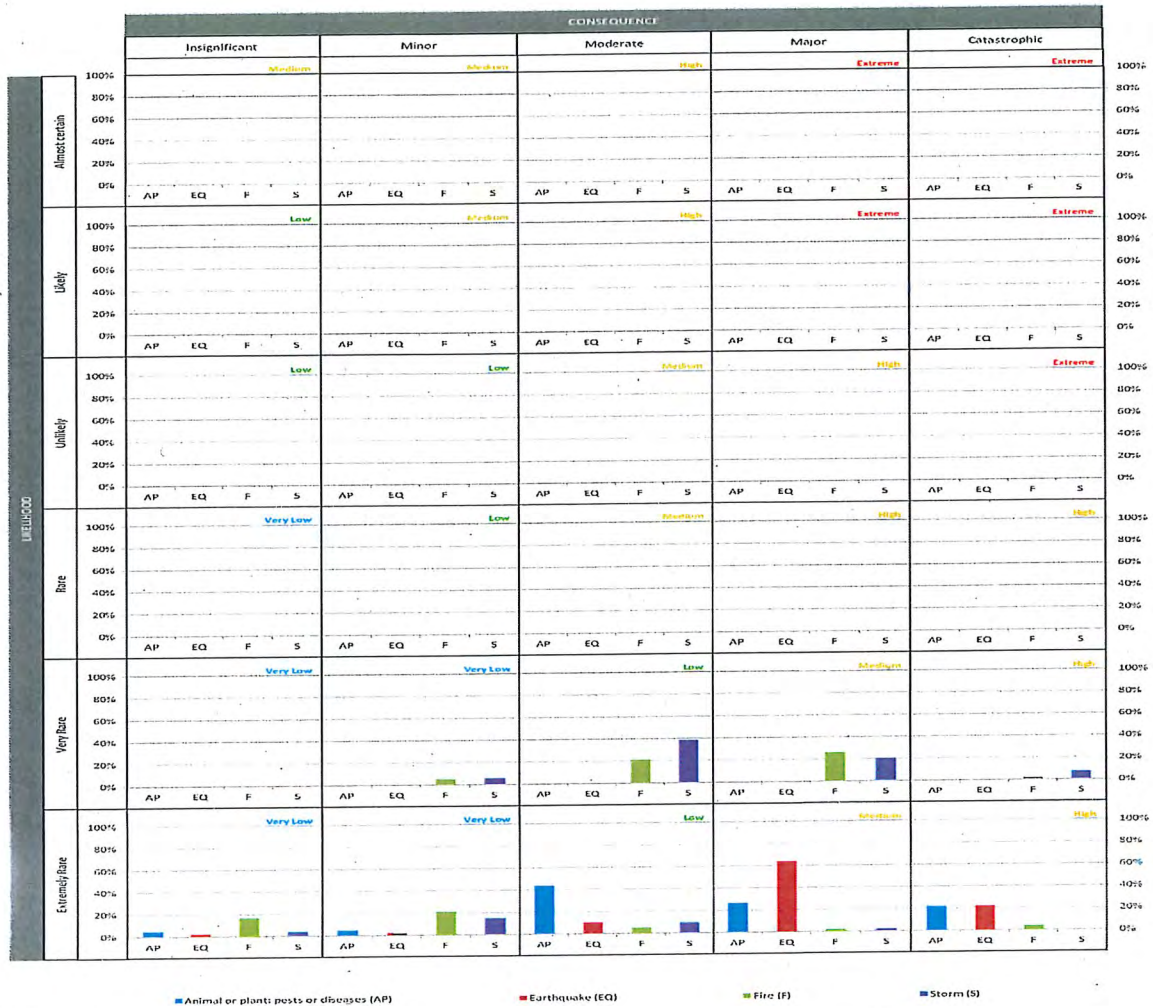
Table 3: Risk Statements for the Shire of Narrogin rated High.



Graph 1: Showing the percentage of risk statements rated for each hazard

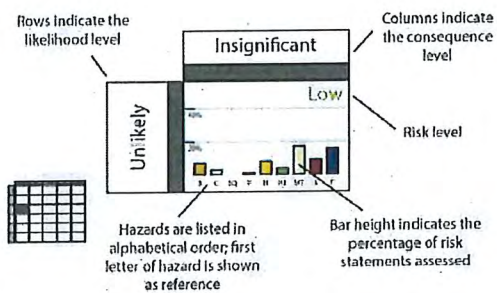


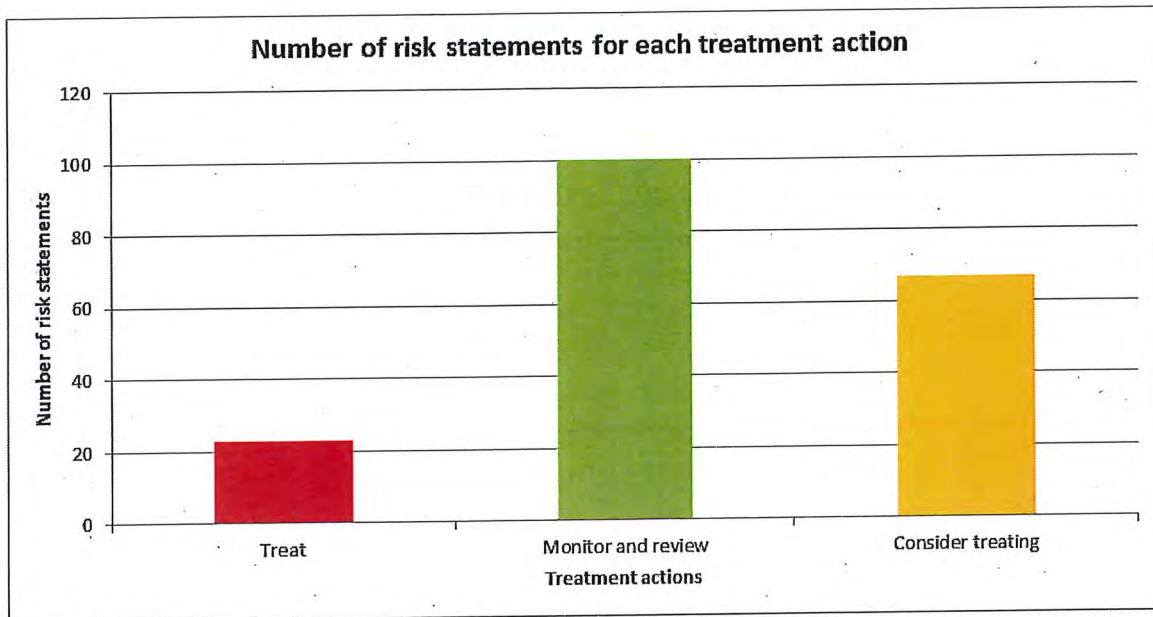
Graph 2: Showing the percentage of risk statements per impact area for each hazard



Graph 3: Showing the risk profile for the Shire of Narrogin

Key





Graph 4: Showing the number of risk statements requiring action

Next Steps:

There are now two further stages required to continue the risk management process for the Shire of Narrogin:

Step 1: 67 risks have been identified as 'Consider Treating', this means the LEMC will need to consider each risk to determine if it will either 'Treat' the risk or 'Monitor and Review' the risk.

Step 2: Treat Risks – this will be the process of determining and selecting treatments for the identified risks which require treatment. The Office of Emergency Management is yet to determine the most effective method for this to occur, although it is likely to involve a workshop.

Narrogin Consequence Table					
	Insignificant	Minor	Moderate	Major	Catastrophic
People*					
Mortality	Not Applicable	At least 1 death	At least 1 death	At least 1 death	At least 1 death
Injuries / Illness	1 serious injury or any minor injuries.	1 person critically injured with long-term or permanent incapacitation or 1 person seriously injured.	1 person critically injured with long-term or permanent incapacitation or 1 person seriously injured.	1 person critically injured with long-term or permanent incapacitation or 1 person seriously injured.	1 person critically injured with long-term or permanent incapacitation or more than 5 serious injuries
Economy**					
Loss in economic activity and/or asset value	Decline of economic activity and/or loss of asset value less than \$12,240	Decline of economic activity and/or loss of asset value between \$12,240 and \$122,400	Decline of economic activity and/or loss of asset value between \$122,400 and \$1,224,000	Decline of economic activity and/or loss of asset value between \$1,224,000 and \$12,240,000	Decline of economic activity and/or loss of asset value greater than \$12,240,000
Impact on important industry	Inconsequential business sector disruption	Significant industry or business sector is impacted by the emergency event, resulting in short-term (i.e. less than one year) profit reductions	Significant industry or business sector is significantly impacted by the emergency event, resulting in medium-term (i.e. more than one year) profit reductions	Significant structural adjustment required by identified industry to respond and recover from emergency event	Failure of a significant industry or sector
Environment***					
Loss of species and/or landscapes	No damage to ecosystems at any level	<ul style="list-style-type: none"> Minor damage to ecosystem/species of state significance Significant damage to ecosystem/species of district/local significance 	<ul style="list-style-type: none"> Minor damage to ecosystem/species of national significance Significant damage to ecosystem/species of state significance Severe damage to ecosystem/species of district/local significance 	<ul style="list-style-type: none"> Significant damage to ecosystem/species of national significance Severe damage to ecosystem/species of state significance Permanent destruction to ecosystem/species of district/local significance 	Permanent destruction to ecosystem/species of national, state and district/local significance
Loss of community environmental value	Inconsequential damage to item of interest	Minor damage to item of interest	Significant damage to item of interest	Severe damage to item of interest	Permanent destruction to item of interest
Public Administration					
Governance Functions	Governing bodies' delivery of core functions is unaffected or within normal parameters	Governing bodies encounter limited reduction in delivery of core functions	<ul style="list-style-type: none"> Governing bodies encounter significant reduction in the delivery of core functions Governing bodies are required to divert some available resources to deliver core functions or seek external assistance to deliver some of their core functions 	<ul style="list-style-type: none"> Governing bodies encounter severe reduction in the delivery of core functions Governing bodies are required to divert a significant amount of available resources to deliver core functions or seek external assistance to deliver the majority of their core functions 	Governing bodies are unable to deliver their core functions
Social Setting					
Community wellbeing	Community social fabric is disrupted	Community social fabric is damaged	Community social fabric is broken	Community social fabric is significantly broken	Community social fabric is irreparably broken
	Existing resources sufficient to return the community to normal function	Some external resources required to return the community to normal function	Significant external resources required to return the community to normal function	Extraordinary external resources are required to return the community to functioning effectively	Community ceases to function effectively, breaks down
	No permanent dispersal	No permanent dispersal	Some permanent dispersal	Significant permanent dispersal	Community disperses in its entirety
Community Services	Inconsequential / short term impacts	Isolated / temporary reductions	Ongoing reductions	Reduced quality of life	Community unable to support itself
Culturally important objects	Minor damage to objects of cultural significance	Damage to objects of identified cultural significance	Damage or localised widespread damage to objects of identified cultural significance	Widespread damage or localised permanent loss of objects of identified cultural significance	Widespread and permanent loss of objects of identified cultural significance
Culturally important activities	Minor delay to a culturally important community event	Delay to or reduced scope of a culturally important community event	Delay to a major culturally important community event	Temporary cancellation or significant delay to a major culturally important community event	Permanent cancellation of a major culturally important community activity

*Criteria for people have been rounded up to the nearest whole number and is based on a population of 5,067

**The economy category is based on a gross area product of \$306,000,000.

***Environmental damage descriptors are over the page.

Where there are dot points, only one point needs to be met for that consequence level

Population - Australian Bureau of Statistics, Regional Population Growth, Australia, 2015/16

Economy - National Institute of Economic and Industry Research (NIEIR) ©, 2015/16.

Attachment 2: Credible Worst Case Scenarios

Biosecurity

- Person returning from holiday in Nepal feeds undeclared processed meat product to family pig
- The pig develops FMD and passes it to stock on the property
- The FMD passes to adjoining properties
- Stock from the originating property is sent to markets further spreading the disease
- 2 days post sale animals are tested
- 4 days post sale DAFWA responds
- 5 days post – National Livestock Standstill
- Ongoing – tracing, surveillance, destruction and disposal

Impacts & Vulnerabilities

- Immediate livestock standstill – no stock movements = no trade
- Properties quarantined
- Abettors effected

Impact on Farm Gate

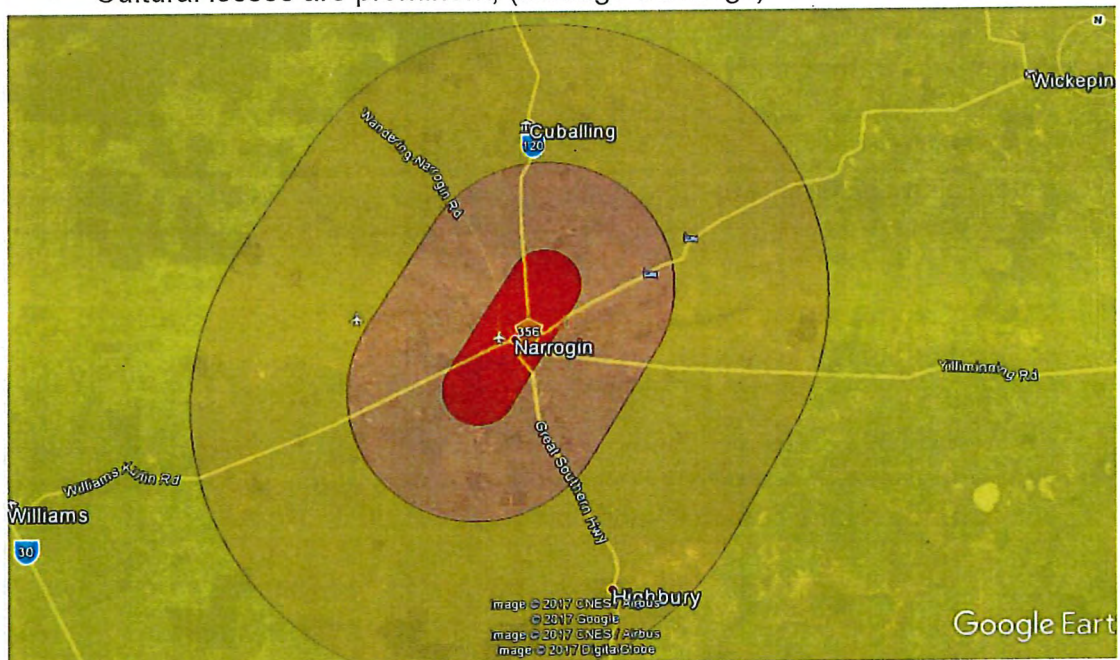
- Potential oversupply of meat to domestic markets due to collapsed trade
- Decrease in market price to producers (converse cheaper product for consumer)
- Mythical fear by consumers of consuming local meat products, leading to reduced red meat consumption (including pork)
- May also be a fear of eating poultry
- Ultimate resumption to red meat consumption: this may be at the detriment of poultry consumption, creating flow on effect of oversupply and reduced price and revenue for the poultry sector.

Earthquake Scenario

- At 12:09 PM on a Thursday in June
- Very shallow 5.7M earthquake occurs in the heart of Narrogin
- Epicentre depth: 5km.
- Fault length is 7km

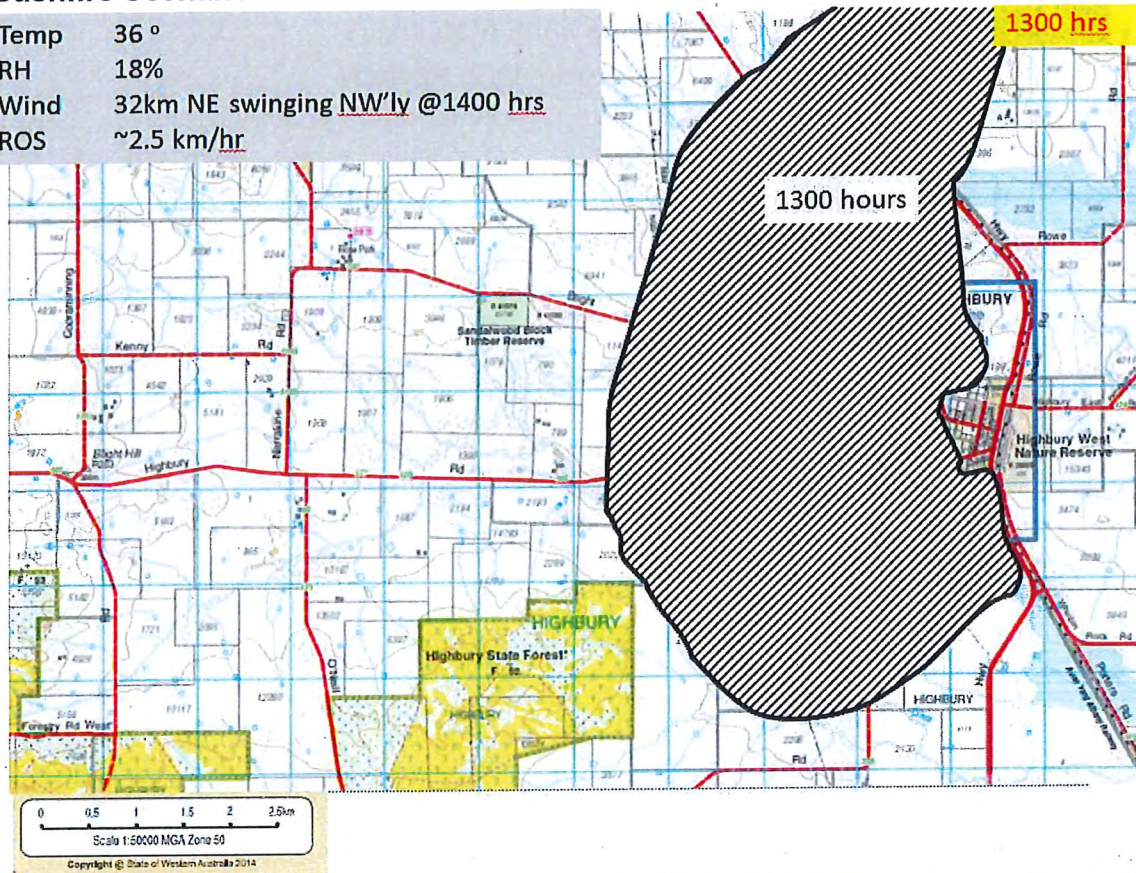
Expected damage

- Older buildings do not withstand the earthquake and a number of fatalities occur.
- hospital is impacted
- airport is significantly damaged.
- water lines are impacted
- Silo structures endure damage.
- Cultural losses are prominent, (heritage buildings)



Bushfire Scenario

Temp 36 °
RH 18%
Wind 32km NE swinging NW'ly @1400 hrs
ROS ~2.5 km/hr



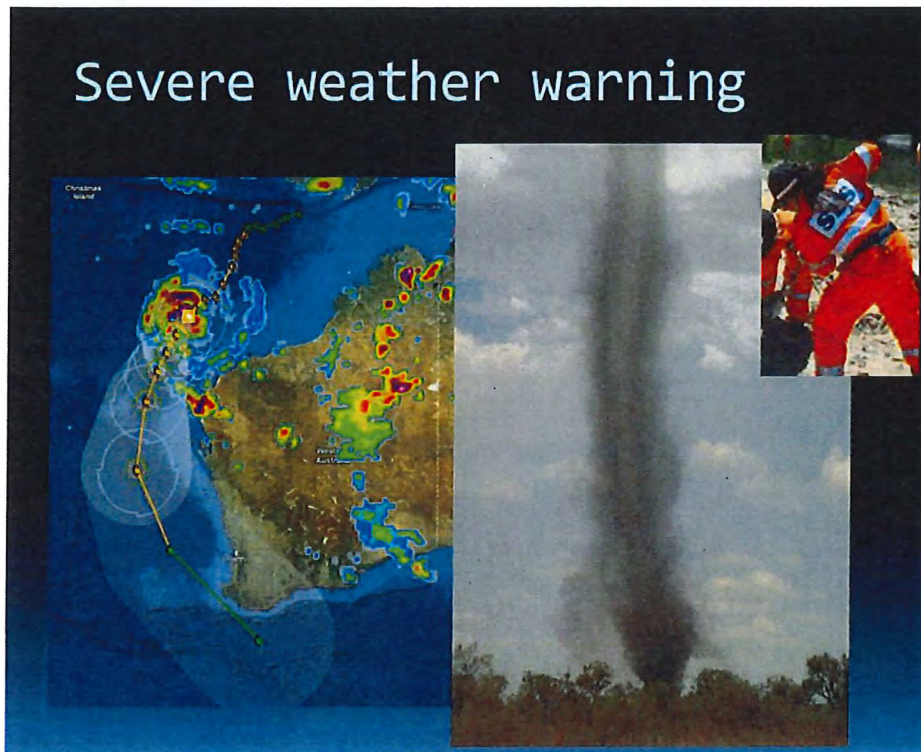
Scenario

- Bushfire starting approx. 12:00hrs north of Highbury
- Strong north easterly winds, swinging north westerly
- Rate of Spread approx. 4.5 km/hr

Impacts & Vulnerabilities

- Great Southern Highway closed
- Local road closures
- Limited response capability
- Critical infrastructure threatened – roads, power transmission line, Highbury town site,
- Evacuation likely for Highbury town site

Storm Scenario



Scenario

Beginning February a mini tornado hits Narrogin causing flash flooding and severe damage to properties.

Impacts & Vulnerabilities

- Water pipe opposite the cemetery has busted and water is flowing down Williams Road into town.
- Traffic needs to be diverted.
- School is returning. Narrogin is a hive of activity.
- Karinya has its roof removed and the residential college is severely damaged.
- Williams Road Nursing home has flood damage – kitchen out of order
- Local street has major damage as the flood waters have entered properties with the roof of many buildings.
- Day-care facility has been flooded,
- Radio tower is out.
- Water over Federal Street, close off main road.
- Clayton Road water rushing down it; hard to cross