



**Shire of Exmouth**

## **Local Emergency Management Arrangements**

**November 2017**

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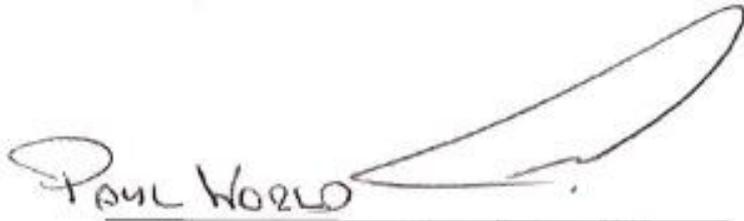
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Shire of Exmouth  
PO Box 21  
Exmouth WA 6707

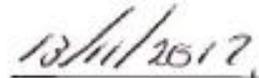
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## Certificate of Endorsement

These arrangements have been produced and issued under the authority of S. 41(1) of the *Emergency Management Act 2005*, endorsed by the Exmouth Local Emergency Management Committee and the Council of the Shire of Exmouth. These Arrangements have been tabled for noting with the Pilbara District Emergency Management Committee and State Emergency Management Committee.



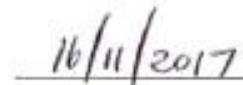
Local Emergency Coordinator Acting Chair  
Exmouth Local Emergency Management Committee



Date

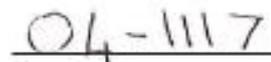


Shire President



Date

Endorsed at Council Meeting 6/11/2017 Resolution Number:





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## Distribution

A copy of these Arrangements is provided to the Exmouth LEMC members as listed below. A public copy is available on the Shire of Exmouth website at [www.exmouth.wa.gov.au](http://www.exmouth.wa.gov.au)

Upon application to the Shire of Exmouth a hard copy of the Arrangements may be provided or can be viewed at the Shire of Exmouth administration office during office hours and the Exmouth library during opening times.

Additional copies are provided to the Pilbara DEMC and SEMC.

| Organisation  | Number of Copies |
|---|------------------|
| Shire of Exmouth  | 4                |
| Office of Emergency Management                          | 1                |
| WA Police Exmouth                                       | 2                |
| Department of Fire and Emergency Services               | 4                |
| Australian Federal Police                               | 1                |
| Exmouth State Emergency Service                         | 2                |
| Exmouth Volunteer Fire and Rescue Service               | 1                |
| Exmouth Volunteer Bush Fire Brigade                     | 1                |
| Exmouth Volunteer Marine Rescue                         | 2                |
| Department of Biodiversity Conservation and Attractions | 2                |
| Department of Communities                               | 2                |
| Red Cross   | 2                |
| Exmouth Hospital  | 2                |
| Water Corp  | 1                |
| Raytheon Fire Department (HEH)                          | 1                |
| Horizon Power   | 4                |
| Telstra   | 1                |
| Department of Transport                                 | 3                |
| Department of Defence                                   | 1                |
| Centacare Family Services                               | 2                |
| Exmouth District High School                            | 1                |
| St John Ambulance Exmouth                               | 1                |
| RAAF  | 1                |
| Army  | 2                |
| Australian Border Force                                 | 1                |
| Learmonth Airport                                       | 3                |
| Anglican Church   | 1                |
| Bureau of Meteorology Learmonth                         | 1                |

## Amendment Record

| Amendment |           | Details of Amendment   | Amended By<br>(Name) |
|-----------|-----------|--|----------------------|
| No.       | Date      |  |                      |
| 1         | July 2008 | Initial Issue  | AS                   |
| 2         | Nov 2014  | Updated document to reflect changes in Department names and contacts | DG                   |
| 3         | Feb 2016  | Mandatory Review of LEMA commenced                                   | DG                   |
| 4         | Aug 2017  | Update department names and review                                   | CW                   |
| 5         | Oct 2017  | Complete re-write  | CW                   |
|           |           |  |                      |
|           |           |  |                      |
|           |           |  |                      |
|           |           |  |                      |
|           |           |  |                      |

Suggestions and comments can help improve these arrangements.

Feedback can include:

- What you like or don't like about the arrangements;
- Unclear or incorrect expression;
- Out of date information or practices;
- Inadequacies; and
- Errors, omissions or suggested improvements.

To forward feedback, copy the relevant section, mark the proposed changes and forward to:

Chairperson  
 Exmouth Local Emergency Management Committee  
 C/- Shire of Exmouth  
 PO Box 21  
 Exmouth WA 6707  
[records@exmouth.wa.gov.au](mailto:records@exmouth.wa.gov.au)

The Chairperson will refer any correspondence to the LEMC for consideration and/or approval.

Amendments promulgated are certified in the above table, when updated.

## Glossary of Terms

Terminology used throughout this document shall have the meaning as prescribed in either Section 3 of the *Emergency Management Act 2005* or as defined in the [State EM Glossary](#) or the [WA Emergency Risk Management Guide](#).

**District**; means an area of the State that is declared to be a district under Section 2.1 *Local Government Act 1995*.

**Municipality**: Means the district of the local government

### General acronyms used in this arrangement

|             |  |
|-------------|--|
| CEO         | Chief Executive Officer                                  |
| Communities | Department of Communities                                |
| DBCA        | Department of Biodiversity, Conservation and Attractions |
| DEMC        | District Emergency Management Committee                  |
| ECC         | Emergency Coordination Centre                            |
| EM          | Emergency Management                                     |
| DFES        | Department of Fire and Emergency Services                |
| VFRS        | Volunteer Fire and Rescue Service                        |
| VBFB        | Volunteer Bush Fire Brigade                              |
| HMA         | Hazard Management Agency                                 |
| ISG         | Incident Support Group                                   |
| LEC         | Local Emergency Coordinator                              |
| LEMA        | Local Emergency Management Arrangements                  |
| LEMC        | Local Emergency Management Committee                     |
| LRC         | Local Recovery Coordinator                               |
| LRCG        | Local Recovery Coordination Group                        |
| SEC         | State Emergency Coordinator                              |
| SEMC        | State Emergency Management Committee                     |
| SES         | State Emergency Service                                  |
| SEWS        | Standard Emergency Warning Signal                        |
| SOP         | Standard Operating Procedures                            |

## **Part 1: Introduction**

### **Community consultation**

These Arrangements have been prepared by the Shire of Exmouth through the Exmouth Local Emergency Management Committee (LEMC) pursuant to Section 41(1) of the Emergency Management Act 2005 (EM Act 2005) and in accordance with SEMC Policy and Procedure.

The LEMA has been provided to the members of the Exmouth Local Emergency Management Committee for their review and comment; and promotion among their networks including community groups and members. The composition of the Local Emergency Management committee is representative of the Shire of Exmouth community as a whole.

### **Document Availability**

A copy of this document can be obtained free of charge from the Shire of Exmouth Website [www.exmouth.wa.gov.au](http://www.exmouth.wa.gov.au) or by visiting the Shire of Exmouth offices at 2 Truscott Crescent, Exmouth during normal business hours.

### **Area Covered**

The Shire of Exmouth is located on the North West Cape of Western Australia approximately 1267km north of Perth, 366km north of Carnarvon and 553km south east of Karratha on the coast of the Indian Ocean. It is bordered by the Shire of Carnarvon to the South and the Shire of Ashburton to the East and includes the Murion Islands (nature reserve) and is classified as 'Very Remote Australia' under the Australian Census classification of remoteness.

The Shire has an area of 6,261km<sup>2</sup> consisting of pastoral land, mining leases, Crown land, the Cape Range National Park, reserves, Commonwealth land throughout the localities of Exmouth, Learmonth, Exmouth Gulf and North West Cape with Exmouth town site being the major centre.

Being predominantly located on the North West Cape peninsula, the town site of Exmouth essentially has one route in and out for approximately 100km which makes it relatively easy for the location to become isolated in extreme weather and fire events. At the closest point, the North West Coastal Highway, the main arterial road for the North West, is 170km from Exmouth.

These Arrangements apply to the Shire of Exmouth and include the localities of Exmouth, Learmonth, North West Cape and Exmouth Gulf.

## Topography

The topography and landform of the Exmouth area is dominated by Cape Range which forms the spine of the North West Cape. Cape Range itself is a prominent feature which is approximately 80 km long, 20 km wide, reaching a maximum elevation of 314 m and features limestone based deep steep sided gorges and ravines.

Caves, gorges and other karst features occur throughout the range with over 700 caves catalogued in the area and it is likely that many remain undiscovered.

Cape Range drains to the Indian Ocean and Exmouth Gulf through coastal flats on either side. Several creek beds running from Cape Range to the coast and across roads are susceptible to flash flooding during heavy rains.

The Shire of Exmouth is bordered by open-ocean to the West and North and by the Exmouth Gulf to the East. The Ningaloo Reef eco system on the West coast features shallow reefs, strong currents and dangerous breaking swells.

The natural vegetation throughout the district is predominantly low laying grasses, scrub and spinifex with significant trees predominantly found only within creek beds. Parts of the coastal strip and flats of the North West Cape feature marsh lands and mangroves. Many of these areas remain flooded for periods of time after heavy rains or extreme high tides including the areas around Learmonth and Bundegi.

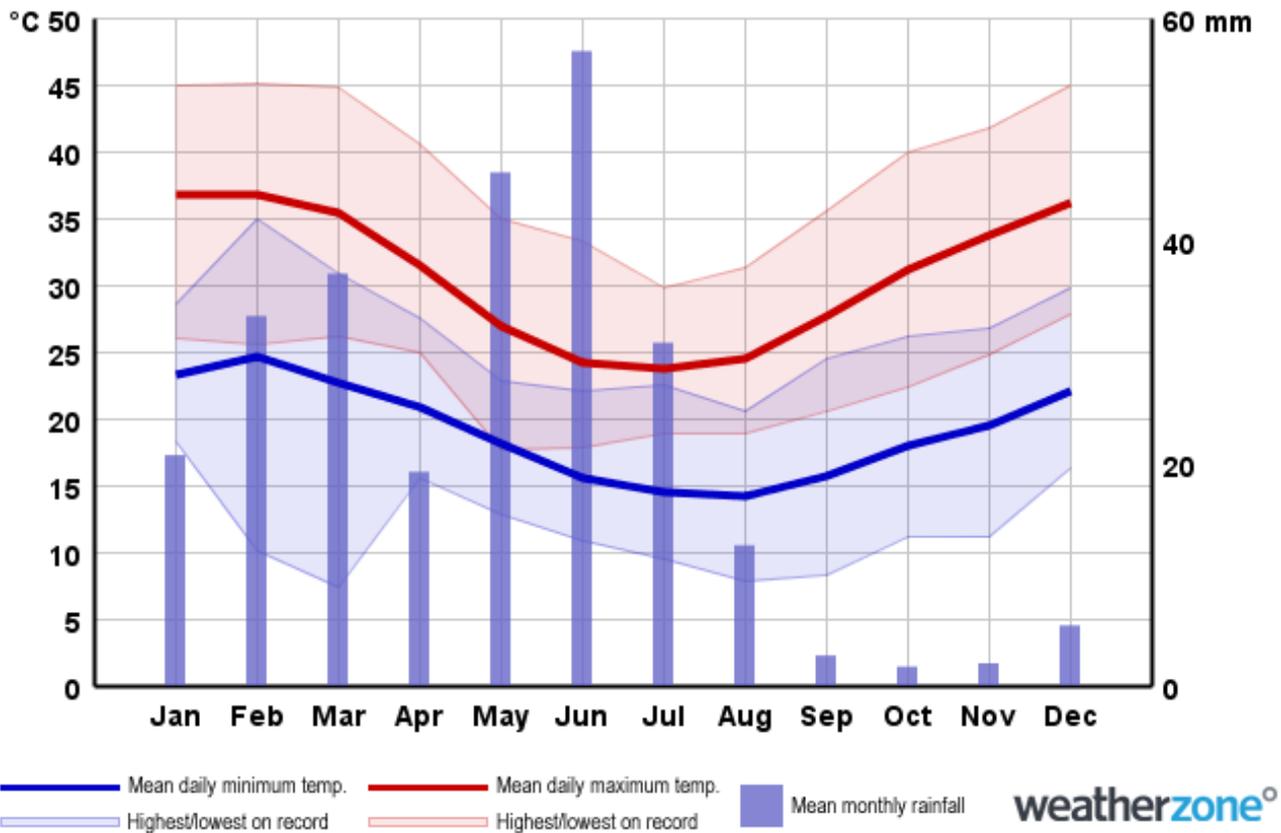


## Climate

The Shire of Exmouth district is a semi-arid area which is characterised by hot dry summers from October to April with temperatures frequently exceeding 40 degrees Celsius. By contrast winters are mild with the July average maximum and minimum temperatures being 24.0°C and 11.3°C respectively. Overnight temperatures rarely fall below 5.0°C.

Average annual rainfall in the region is 258 mm of rain per year over an average of 24.5 days which falls mostly during January to March and is associated with tropical lows and cyclones, or from May to July when tropical cloud bands originating to the northwest often bring heavy rains. Records show rainfall in excess of 300mm falling in 24 hour periods during cyclonic and other severe weather events.

### EXMOUTH TOWN



## Aim

The aim of the Shire of Exmouth Local Emergency Management Arrangements is to detail emergency management arrangements for the district and ensure an understanding between agencies and stakeholders involved in managing emergencies within the Shire.

## Purpose

The purpose of these Arrangements is to set out:

- The Shire of Exmouth's policies for Emergency Management;
- The roles and responsibilities of public authorities and other persons involved in emergency management in the Shire of Exmouth;
- The provisions about the coordination of emergency operations and activities relating to emergency management performed by the aforementioned persons;
- a description of emergencies that are likely to occur in the Shire of Exmouth;
- strategies and priorities for emergency management in the Shire of Exmouth;
- other matters about emergency management in the Shire of Exmouth prescribed by the regulations; and
- Other matters about emergency management in the Shire of Exmouth considered appropriate as per S.41 (2) of the Emergency Management Act 2005.

## Scope

These arrangements are to ensure there are suitable plans in place to manage identified emergencies should they arise.

It is not the intent of this document to detail the procedures for Hazard Management Agencies (HMAs) who have the allocated responsibility to respond to and manage an emergency. Those procedures will be detailed in the respective HMA's specific plans.

Furthermore, these Arrangements apply to:

- The geographic location of the Shire of Exmouth
- Areas where the Shire of Exmouth provides support to HMAs in the event of an incident;
- The Shire of Exmouth's capacity to provide resources in support of an emergency, whilst still maintaining business continuity; and
- The Shire of Exmouth's responsibility in relation to recovery management.

These Arrangements are to serve as a guideline to be used at the local level. Incidents may arise that require action or assistance from district, state or federal level.

## Local EM strategies and priorities

The Shire of Exmouth has identified emergency management strategies and priorities as follows

|  |   |
|--|---|
| LEMA endorsed by LEMC, Council, noted by DEMC and SEMC | Review and development of compliant LEMA and LRP which is compliant with legislation; LEMA to be exercise in accordance with  |
| Current compliant Emergency Risk Management process    | Completion of Emergency Risk Management Process which complies with State EM Policy 1 and the National Emergency Risk Assessment Guidelines 2015; prioritisation and implementation of treatments |
| LEMCs to comply with legislation and policy            | Shire of Exmouth LEMC to meet quarterly and submit annual report in accordance with State EM Policies and procedures  |

## Local Emergency Management Policies

The Shire of Exmouth does not currently have any local emergency management policies.

## Related Documents and Arrangements

| Document                                       | Owner                           | Location                                | Date     |
|--|---------------------------------|---|----------|
| Local Welfare Plan                             | Department of Communities       | Communities – Geraldton                 | Oct 2015 |
| Bushfire Management Plan                       | Shire of Exmouth                | Shire of Exmouth, Maidstone Cr, Exmouth | 2013     |
| Local Cyclone Plan                             | Exmouth State Emergency Service | Exmouth SES – Payne St                  | Oct 2015 |
| Local Tsunami Plan                             | Exmouth State Emergency Service | Exmouth SES – Payne St                  | Jul 2009 |
| Learmonth Airport Aerodrome Emergency Plan     | Shire of Exmouth                | Shire of Exmouth, Learmonth Airport     | Dec 2016 |
| Exmouth Boat Harbour Cyclone Contingency Plan  | Department of Transport (DoT)   | DoT Exmouth – 21 Maidstone Cr           | Aug 2017 |
| Exmouth Boat Harbour Oil Spill Plan            | Department of Transport (DoT)   | DoT Exmouth – 21 Maidstone Cr           | Sep 2017 |
| Exmouth Boat Harbour Emergency Management Plan | Department of Transport (DoT)   | DoT Exmouth – 21 Maidstone Cr           | Nov 2015 |

|   |                                |   |          |
|---|--------------------------------|---|----------|
| Exmouth Hospital Business Continuity Plan | Department of Health – Exmouth | Exmouth Hospital – Lyon St                    | May 2017 |
| Exmouth Hospital Disaster Manual          | Department of Health - Exmouth | Exmouth Hospital – Lyon St                    | Mar 2017 |
| Road Crash                                | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Air Crash                                 | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Land Search and Rescue                    | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Marine Search and Rescue                  | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Terrorist Incident                        | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Space Debris Re-Entry                     | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |
| Nuclear Powered Warships                  | WAPOL                          | Exmouth Police Station, Maidstone Cr, Exmouth |          |

### Agreements, understandings and commitments

| Parties to Agreement  |               | Summary of Agreement  |
|---|---------------|---|
| Shire of Exmouth  | Communities   | Mutual Support for the Provision of Welfare Services  |
| Shire of Exmouth  | DFES          | Bush Fire Handover  |
| Communities   | IGA           | Opening up after hours to provide food for the welfare centre   |
| Shires of Ashburton, East Pilbara, Exmouth, City of Karratha & Town of Port Hedland |               | Memorandum of Understanding for provision of mutual aid during emergencies and post incident recovery |
| Shire of Exmouth  | Raytheon Fire | Assistance with fires North of Town   |

## Special considerations

### Defence capabilities

The Shire of Exmouth hosts an Airforce base and a Naval base with Defence lands comprising nearly 10% of the Shire.

For any emergency incident within the Shire of Exmouth where the scale of the emergency or disaster exceeds or exhausts the response capacity and capabilities (government, community and/or commercial) of the State or where resources cannot be mobilised in sufficient time, they may request Commonwealth assistance including from Defence in accordance with State Emergency Management Response Policy 5.10 *Interstate Assistance* and State Emergency Management Response Procedure 20 *Australian Government Physical Assistance*.

The primary Defence point of contact within the Shire of Exmouth for emergency Defence Assistance to the Civil Community (DACC) enquiries is the ADF Liaison Officer (ADFLO) on the LEMC contact List located in Appendix 6

### Isolation / Transport Networks

Exmouth has a single two lane sealed transport route, being the Minilya-Exmouth Road, servicing the town from the North West Coastal Highway which is located 170km South East via Burkett Road or 220km South. The sealed road link which connects Learmonth to Exmouth and the rest of the state is particularly vulnerable to being cut-off for a period following heavy rain.

To the north of Exmouth, one unmarked two lane sealed roads connects the town to the Cape Range National and the many beaches that form part of the Ningaloo Coast World Heritage area.

One major airport at Learmonth services daily commercial flights to and from Perth. An aircraft landing area at the Exmouth Aerodrome approximately 13km south of the Exmouth town houses a range of fixed wing and rotary aircraft which primarily service the resource and tourism industries throughout the greater region. Two other Aircraft Landing Areas can be located at Ningaloo Station to the south of the district and Yardie Homestead Caravan Park on the west side of the Cape Range.

There are three boat ramps with walkways and jetties within the district at the Exmouth Boat Harbour, Bundegi Beach and Tantabiddi which are all capable of servicing trailer able vessels. The Exmouth Boat Harbour is a busy commercial harbour which is utilised by large commercial vessels.

High risk periods:

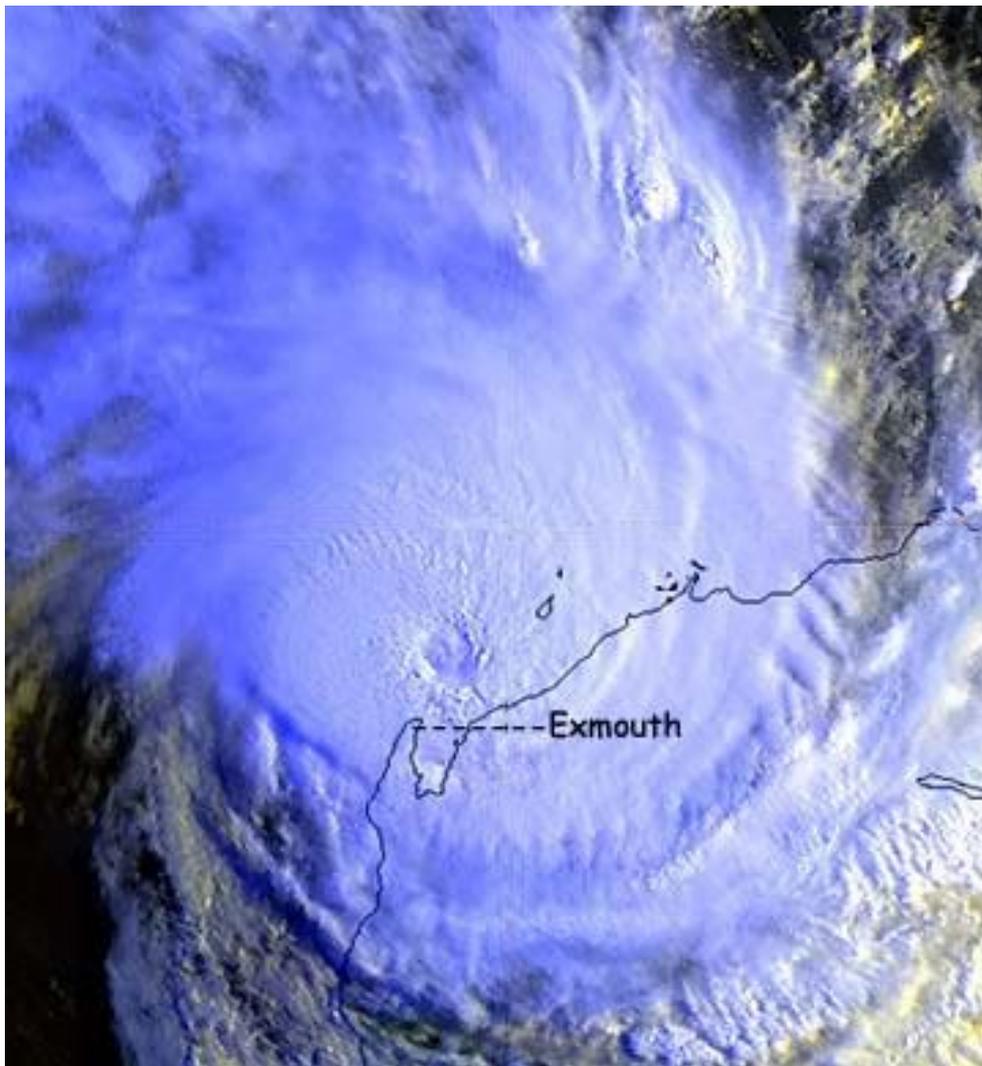
1. Cyclone Season: 1 November until 30 April of each year

The North West of Western Australia is in an area susceptible to Tropical Cyclones with the Shire of Exmouth being directly affected by cyclones on numerous occasions and are most common in February and March (75 % of occurrences). Severe Tropical Cyclone Vance (1999) made direct impact with Exmouth where the recorded wind speeds of 267 km/h remain the highest ever recorded on mainland Australia.

2. Bush fire season: 1 October until 30 April of each year

The dry and arid environment essentially gives Exmouth a 12 month bush fire season with the summer months being of greater concern with high winds and soaring temperatures.

The coastal heath and grasslands have a high oil content and when preheated and driven by strong wind will move wildfire at incredible speeds burning fast and also very hot.



### High risk locations:

1. Cape Range National Park – terrain/flooding/isolation
2. Wilderness Estate – Fire risk
3. Learmonth Airport – Isolation risk
4. Exmouth Harbour/Marina Canals – Flood risk

### Large public events:

1. Whaleshark Festival (Late May)
2. GAMEX (Late March)

### Tourist periods & locations:

Tourist Season – March to October

Peak Tourist periods;

- Easter/April School Holidays
- July School Holidays
- October School Holidays

Popular locations:

- Exmouth town site
- Cape Range National Park
- Pastoral Stations
- Ningaloo Marine Park and surrounding waters
- Jurabi and Bundegi Coastal Parks



## Critical infrastructure

| Item                       | Location   | Owner                | Contact   | Community Impact Description  |
|----------------------------|--|----------------------|-----------|---|
| Power Station              | Welch St, Exmouth  | Horizon Power        |           | Loss of power supply resulting in economic and health impacts on the community  |
| Sewerage Works             | Willersdorf Road, Exmouth                                      | Watercorp            |           | Environmental health impacts  |
| Water Supply               | Exmouth Bore Field, immediately west of Exmouth town           | Watercorp            |           | Loss of water resulting in public health and hygiene impacts on the community   |
| Fuel Storage               | Multiple Locations (Refer Exmouth Emergency Resource Register) | Multiple owners      |           | Loss of fuel supply resulting in inability to supply the community and industry   |
| Learmonth Airport          | Minilya-Exmouth Rd, Learmonth                                  | Shire of Exmouth     | 9949 3000 | Loss of transport and evacuation routes; economic impact to industry and tourism  |
| Exmouth Aerodrome          | 13km south of Exmouth town along the Minilya-Exmouth Rd        | Shire of Exmouth     | 9949 3000 | Loss of transport and evacuation routes. Economic impact to industry and tourism.   |
| Minilya-Exmouth Road       |  | MRWA                 |           | Loss of access to the community, evacuation routes and supply routes  |
| Exmouth Boat Harbour       |  | DoT                  |           | Economic impact to industry and tourism;<br>Loss of evacuation and supply routes  |
| Bridge, Horwood Quays      | Horwood Quays, Exmouth Marina Village                          | Shire of Exmouth     | 9949 1699 | Loss of access to sections of the community   |
| Telstra Tower              | Maidstone Cr, Exmouth rear Post Office                         | Telstra              |           | Loss of communications  |
| Yardie Creek Road          |  | Shire of Exmouth     | 9949 1699 | Loss of access to the popular tourist locations which can result in economic impacts;<br>Loss of access to sections of the community and their evacuation route |
| North West Coastal Highway | Approx 170km south of Exmouth                                  | MRWA                 |           | Loss of access to the community, evacuation routes and supply routes  |
| Exmouth Hospital           | Lyon St, Exmouth   | Department of Health |           | Loss of emergency health care services  |

## Utilities Profile

Being in a remote corner of Western Australia, the Shire of Exmouth is not serviced by the usual utilities found elsewhere. The main utilities are;

- *Electricity* – The electrical supply consists of a gas powered generation station in the town of Exmouth. Gas is supplied by road trains which decant gas from the Dampier-Bunbury pipeline at a station on the North West Coastal Highway, 60km south of Nanutarra and about 230km from Exmouth. Road closures have the ability to disrupt this supply.

A significant percentage of the power grid is above ground pole/wire and is prone to damage in cyclones.

The Harold E Hold Naval Communication Station operates its own diesel generators and is not connected to the town grid while RAAF Base Learmonth does feed from the grid but does have a backup power supply.

- *Water* – The Water Corporation operates a bore field in the ranges to the west of Exmouth where water is pumped into a tank for chlorination/Fluoridation before being pumped into the supply grid. The bore pumps are electric and rely on the town power supply to operate with limited generator capacity.
- *Mobile Communication Network* – The Telstra mobile network covers the east side of the cape from the northern tip (Vlamingh Head) to about 15km south of RAAF Base Learmonth or approximately 60km south of Exmouth. Other networks are essentially restricted to the actual town site of Exmouth and some networks do not even receive coverage. There is limited mobile reception on the west side of the cape.

## Economy

The main local industries are tourism, prawning, fishing, pastoral, light engineering, building and construction, Defence, Oil and Gas and Government services. Woodside, Quadrant Energy and BHP Billiton have Floating Production Storage and Offtake (FPSO) facilities off the North West Cape. The area's major employers are Raytheon, the Department of Defence, the Department of Parks and Wildlife, the Shire of Exmouth, Kailis Fisheries, Exmouth Hospital and tourism operators.

## Population

The Shire of Exmouth has a resident population of 2713 people with 2290 dwellings (ABS 27 June 2016), although it can be seen as very transient with many people not living in the district for long periods. This can limit the availability and knowledge of trained local emergency service volunteers.

During the peak holiday times, many of the permanent residents of Exmouth may take periods of leave away from the district which again can lessen the availability of local emergency service volunteers.

Whilst Exmouth is the central hub of the Shire, there are a number of scattered and isolated population locations throughout the district with permanent residents living in the Wilderness Estate, Exmouth Aerodrome, Yardie Creek Caravan Park the Lighthouse Caravan Park at Kailis the Solar Observatory and also on Pastoral Stations.

In peak tourist times of April to October the population can swell to approximately 6000 with many of these visitors towing caravans, boats or trailers. The Ningaloo World Heritage Cape Range National Park and the Ningaloo Marine Park are the biggest tourism draw cards for Exmouth with most visitors coming for the excellent fishing, snorkelling and diving on a seasonal basis.

Pastoral Stations offer camping and accommodation while the Cape Range National Park contains several camping areas. These can be relatively remote and have limited lines of communication.

Coral Bay, while not in the Shire of Exmouth, is 155km south of Exmouth and does not have a school. Subsequently, students commute daily to Exmouth by bus to attend the Exmouth District High School which caters from students Kindergarten to year 12.

The number of students fluctuates regularly from around 5 to 35 on two small busses.



## Resources

The Shire of Exmouth has limited Earthmoving equipment and resources all of which are listed in the resource register (Appendix 1)

In a large scale emergency incident /recovery event the Shire would rely on a number of local contractors who are summarised in the following table.

| Company                       | Contact Details                          | Machinery Type                                     |
|-------------------------------|--|--|
| Cape Water Cart & Landscaping | 9949 2310<br>Lot 900 Patterson Way       | Some Loader / Grader options                       |
| Exmouth Civil                 | 9949 2000<br>15 Ingram Street Exmouth    | Multiple Loaders Graders and Earthmoving Equipment |
| Exmouth Crane and Truck Hire  | 9949 2080<br>41 Koolinda Way Exmouth     | Various cranes and ancillary equipment             |
| Exmouth Freight               | 9949 2168<br>35 Ingram Street Exmouth    | Trucks and ancillary equipment                     |
| Exmouth Hire                  | 9949 2634<br>Lot 50 Maley Street Exmouth | Earthmoving and various machinery                  |
| Exmouth Quarries and Concrete | 0419 044 108<br>24 Pelias Street Exmouth | Earthmoving  |
| Jackhaul                      | 9949 4286<br>102 Ingram Street Exmouth   | Heavy Haulage trucks and Earthmoving equipment     |
| Norcape Handy Hire            | 0419 930 214<br>6 Huston Street          | Earthmoving/Civil Hire                             |

In addition Appendix 1 lists the resources available in the following categories.

Accommodation, Aircraft/Airstrips, Auto Electricians, Banks, Catering, Communication Equipment, Defence Force contacts, Electricians, Emergency services, Fuel, Liquid Waste disposal, Marine services, Mechanics, Media, Medical, Plumbers, Police Services, Telecommunications, Tree loppers, Vehicle Hire (car, bus and truck), Vehicle towing and wildlife emergencies

## Part 2 Roles and Responsibilities

### Local roles and responsibilities

| Local role                           | Description of responsibilities   |
|--------------------------------------|---|
| Local government                     | The responsibilities of the Shire of Exmouth are defined in Section 36 of <a href="#">the EM Act</a> .  |
| Local emergency coordinator          | The responsibilities of the LEC are defined in Section 37 of <a href="#">the EM Act</a> .   |
| Local recovery coordinator           | To ensure the development and maintenance of effective recovery management arrangements for the local government. In conjunction with the local recovery coordinating group to implement a post incident recovery action plan and manage the recovery phase of the incident.  |
| LG welfare liaison officer           | During an evacuation where a local government facility is utilised by Department of Communities provide advice, information and resources regarding the operation of the facility.  |
| LG liaison officer (to the ISG/IMT)  | During a major emergency the liaison officer attends ISG meetings to represent the local government, provides local knowledge input and provides details contained in the LEMA.   |
| Local Government-Incident management | <p>Ensure planning and preparation for emergencies is undertaken.</p> <p>Implement procedures that assist the community and emergency services deal with incidents.</p> <p>Ensure that all personnel with emergency planning and preparation, response and recovery responsibilities are properly trained in their role.</p> <p>Keep appropriate records of incidents that have occurred to ensure continual improvement of the Shires emergency response capability.</p> <p>Liaise with the incident controller (provide liaison officer)</p> <p>Participate in the ISG and provide local support</p> <p>Where an identified evacuation centre is a building owned and operated by the local government, provide a liaison officer to support the Department of Communities.</p> |

## LEMC Roles and Responsibilities

The Shire of Exmouth has established a Local Emergency Management Committee (LEMC) under Section 38(1) of the [EM Act](#) to oversee, plan and test the local emergency management arrangements.

The LEMC includes representatives from agencies, organisations and community groups that are relevant to the identified risks and emergency management arrangements for the community.

The LEMC is not an operational committee but rather the organisation established by the local government to assist in the development of local emergency management arrangements for its district.

The LEMC plays a vital role in assisting our communities become more prepared for major emergencies by

- Developing, enhancing and testing preparedness planning from a multi-agency perspective having local knowledge of hazards, demographic and geographic issues; they provide advice to Hazard Management Agencies to develop effective localised hazard plans
- providing a multi-agency forum to analyse and treat local risk
- providing a forum for multi-agency stakeholders to share issues and learnings to ensure continuous improvement.

The LEMC membership must include at least one local government representative and the Local Emergency Coordinator. Relevant government agencies and other statutory authorities will nominate their representatives to be members of LEMC. The term of appointment of LEMC members shall be determined by the local government in consultation with the parent organisation of the members.

| Local role             | Description of responsibilities   |
|------------------------|---|
| LEMC Chair             | Provide leadership and support to the LEMC to ensure effective meetings and high levels of emergency management planning and preparedness for the local government district is undertaken.  |
| LEMC Executive Officer | <p>Provide executive support to LEMC by:</p> <p>Provide secretariat support including:</p> <ul style="list-style-type: none"> <li>Meeting agenda;</li> <li>Minutes and action lists;</li> <li>Correspondence;</li> <li>Committee membership contact register;</li> <li>Coordinate the development and submission of committee documents in accordance with legislative and policy requirements including;</li> <li>Annual Report;</li> <li>Annual Business Plan;</li> <li>Local Emergency Management Arrangements;</li> </ul> <p>Facilitate the provision of relevant emergency management advice to the Chair and committee as required; and</p> <p>Participate as a member of sub-committees and working groups as required</p> |



## Agency roles and responsibilities

In the event of an emergency, the local government will need to liaise with a range of state agencies who will be involved in the operational aspects of the emergency. The following table summarises the key roles.

| Agency Roles             | Description of Responsibilities   |
|--------------------------|---|
| Controlling Agency       | <p>A Controlling Agency is an agency nominated to control the response activities to a specified type of emergency.</p> <p>The function of a Controlling Agency is to;</p> <ul style="list-style-type: none"> <li>Undertake all responsibilities as prescribed in Agency specific legislation for Prevention and Preparedness.</li> <li>Control all aspects of the response to an incident.</li> <li>During Recovery the Controlling Agency will ensure effective transition to recovery</li> </ul>   |
| Hazard Management Agency | <p>A hazard management agency is 'to be a public authority or other person who or which, because of that agency's functions under any written law or specialised knowledge, expertise and resources, is responsible for emergency management, or the prescribed emergency Management aspect, in the area prescribed of the hazard for which it is prescribed.' [EM Act 2005 s4]</p> <p>The HMAs are prescribed in the <a href="#">Emergency Management Regulations 2006</a>.</p> <p>Their function is to:</p> <ul style="list-style-type: none"> <li>Undertake responsibilities where prescribed for these aspects [EM Regulations]</li> <li>Appoint Hazard Management Officers [s55 Act]</li> <li>Declare / revoke emergency situation [s 50 &amp; 53 Act]</li> <li>Coordinate the development of the Westplan for that hazard [State EM Policy Section 1.5]</li> <li>Ensure effective transition to recovery by local government</li> </ul> |
| Combat Agency            | <p>A Combat Agency as prescribed under subsection (1) of the <i>Emergency Management Act 2005</i> is to be a public authority or other person who or which, because of the agency's functions under any written law or specialised knowledge, expertise and resources, is responsible for performing an emergency management activity prescribed by the regulations in relation to that agency.</p>   |
| Support Organisation     | <p>A public authority or other person who or which, because of the agency's functions under any written law or specialised knowledge, expertise and resources is responsible for providing support functions in relation to that agency.</p> <p>(State EM Glossary)</p>   |

## Part 3: Managing Risk

### Emergency Risk Management

Risk management is a critical component of the emergency management process. Building a sound understanding of the hazards and risks likely to impact the community enable local governments and LEMCs to work together to implement treatments. This process helps to build the capacity and resilience of the community and organisations which enable them to better prepare for, respond to and recover from a major emergency. The process and mandate for local governments to undertake risk management is detailed in State EM Policy Section 3.2.

### Risk Assessment

The Shire of Exmouth facilitates an on-going emergency risk management program which assesses the possible risks the identified hazards pose.

#### Description of emergencies likely to occur:

| Hazard | Controlling Agency | HMA | Local Combat Role | Local Support Role | WESTPLAN | Local Plan (Date) |
|--------|--------------------|-----|-------------------|--------------------|----------|-------------------|
|        |                    |     |                   |                    |          |                   |
|        |                    |     |                   |                    |          |                   |

These arrangements are based on the premise that the Controlling Agency is responsible for the above risks and will develop, test and review appropriate emergency management plans for their hazard.

The identified hazards, risk treatments and methodology are found at Appendix 2 CCRM plan.

### Coordination of emergency operations

It is recognised that the HMAs and combat agencies may require local government resources and assistance in emergency management. The Shire of Exmouth is committed to providing assistance/support if the required resources are available through the Incident Support Group when and if formed.

### Incident support group (ISG)

The ISG is convened by the Controlling Agency appointed Incident Controller to assist in the overall coordination of services and information during a major incident.

Coordination is achieved through clear identification of priorities by agencies sharing information and resources.

The role of the ISG is to provide support to the incident management team. The ISG is a group of people represented by the different agencies who may have involvement in the incident.

### **Triggers for an ISG**

The triggers for an incident support group are defined in State EM Policy Statement 5.2.2 and State EM P Plan Section 5.1.

These are;

- where an incident is designated as Level 2 or higher;
- multiple agencies need to be coordinated

### **Membership of an ISG**

The Incident Support Group is made up of agencies' representatives that provide support to the Controlling Agency. Emergency Management Agencies may be called on to be liaison officers on the Incident Support Group.

The local recovery coordinator should be a member of the ISG from the onset, to ensure consistency of information flow, situational awareness and handover to recovery.

The representation on this group may change regularly depending upon the nature of the incident, agencies involved and the consequences caused by the emergency.

Agencies supplying staff for the ISG must ensure that the representative(s) have the authority to commit resources and/or direct tasks

### **Frequency of Meetings**

The frequency of meetings will be determined by the Incident Controller and will generally depend on the nature and complexity of the incident. As a minimum, there should be at least one meeting per incident. Coordination is achieved through clear identification of priorities and objectives by agencies sharing information and resources.

### **Location of ISG Meetings**

The Incident Support Group meets during an emergency and provides a focal point for a coordinated approach.

The following table identifies suitable locations where it can meet within the District.

| Facility                                 | Responsible Agency | Address                       | Contact Details   |
|--|--------------------|-------------------------------|---|
| <b>Exmouth SES Headquarters</b>          | Exmouth SES        | 19 Payne St, Exmouth          | Exmouth SES Unit Manager<br>Kasey Steer<br>0437 961 994 |
| <b>Exmouth Police Station</b>            | WAPOL              | Maidstone Cr, Exmouth         | OIC Exmouth Police<br>08 9947 8700                      |
| <b>Learmonth Airport Conference Room</b> | Shire of Exmouth   | Minilya-Exmouth Rd, Learmonth | Learmonth Airport<br>08 9949 1326                       |

## Media Management and Public Information

This policy governs the actions of all Shire of Exmouth staff and LEMC members when dealing with the media in relation to an emergency incident.

Its purpose is to ensure a professional and consistent approach is taken by staff and LEMC members, in relation to external communications, through the maintenance of positive media relationships.

In the first instance the Hazard Management Agency (HMA) is responsible for managing the media in relation to the emergency incident.

Shire staff and LEMC members will refer media inquiries to the HMA and not comment on the incident unless they are:

- authorised by the Controlling Agency / HMA; or
- providing information as directed or related to local government's functions or responsibilities.

Media relations:

- Media representatives are to be treated with courtesy and respect;
- All media calls are to be returned as soon as possible;
- All media releases from the Exmouth LEMC or Council must go through the Shire of Exmouth approval process prior to release; and
- Media releases must be consistent with other internal and external communications.

## Public Information & Community Warning Systems

State based public information and community warning systems will be used as required to alert and inform the community about an emergency incident.

The State based systems and local systems that may be utilised within the district are listed at Appendix 4: Public Information & Community Warning Systems.

## Finance Arrangements

State EM Policy Section 5.12, State EM Plan Section 5.4 and 6.10 and State EM Recovery Procedures 1-2) outlines the responsibilities for funding during multi- agency emergencies. While recognising the above, the Shire of Exmouth is committed to expending such necessary funds within its current budgetary constraints as required to ensure the safety of its residents and visitors. The Chief Executive Officer should be approached immediately an emergency event requiring resourcing by the Shire of Exmouth occurs to ensure the desired level of support is achieved.

## Community Evacuation

Comprehensive emergency management planning should involve planning for community evacuations. Although the actual act of evacuating a community is the responsibility of the Controlling Agency, the local government with the assistance of its LEMC has clear responsibilities to undertake pre emergency evacuation planning.

A comprehensive evacuation plan is of considerable value to all agencies with a role in evacuation and can be very effective in assisting the controlling agency to make timely and informed decisions. Consideration also needs to be given to receiving evacuees from other local governments.



## **Vulnerable Groups - Special Needs Groups**

The identification of and planning for people within the district who may be vulnerable and/or have special needs is required to allow for specific planning to assist them in times of emergency. An emergency may impact their ability to cope with an emergency event.

A list of Vulnerable and/or Special Needs Groups who reside within or visit the District is provided at Appendix 5.

## **Routes and Maps**

The Shire of Exmouth has a single two lane sealed transport route, being the Minilya-Exmouth Road, servicing the town from the North West Coastal Highway which is located 170km South East via Burkett Road or 220km South. The sealed road link which connects Learmonth to Exmouth and the rest of the state is particularly vulnerable to being cut-off for a period following heavy rain.

To the North of Exmouth, one unmarked two lane sealed roads connects the town to the Cape Range National and the many beaches that fall part of the Ningaloo Coast World Heritage area.

One major airport at Learmonth services daily commercial flights to and from Perth. An aircraft landing area at the Exmouth Aerodrome approximately 13km south of the Exmouth town houses a range of fixed wing and rotary aircraft which primarily service the resource and tourism industries throughout the greater region. Two other Aircraft Landing Areas can be located at Ningaloo Station to the south of the district and Yardie Homestead Caravan Park on the west side of the Cape Range.

There are three boat ramps with walkways and jetties within the district at the Exmouth Harbour, Bundegi Beach and Tantabiddi which are all capable of servicing trailer able vessels. The Exmouth Harbour is a busy commercial harbour which is utilised by large commercial vessels.

A map of the Shire and of the Exmouth Town site is provided at Appendix 7

## **Part 4 Welfare**

The Department of Communities has the role of managing welfare. The Department of Communities have developed a local Welfare Emergency Management Plan for The Shire of Exmouth.

The plan is available from the Shire of Exmouth or the Department of Communities, Geraldton.

## Local Welfare Coordinator

The Local Welfare Coordinator is appointed by the Department of Communities District Director to

- Establish, chair and manage the activities of the Local Welfare Emergency Committee (LWEC), where determined appropriate by the District Director;
- Prepare, promulgate, test and maintain the Local Welfare Plans;
- Represent the department and the emergency welfare function on the Local Emergency Management Committee and Local Recovery Committee;
- Establish and maintain the Local Welfare Emergency Coordination Centre;
- Ensure personnel and organisations are trained and exercised in their welfare responsibilities;
- Coordinate the provision of emergency welfare services during response and recovery phases of an emergency; and
- Represent the department on the Incident Management Group when required

The Department of Communities will appoint a local welfare coordinator - contact details available in the LEMC contact list at Appendix 6

## Local Welfare Liaison Officer

The Local Welfare Liaison Officer is nominated by the local government to coordinate welfare response during emergencies and liaise with the Local Welfare Coordinator. Local government should appoint a liaison officer. This role will provide assistance to the Local Welfare Centre, including the management of emergency evacuation centres such as building opening, closing, security and maintenance.

It is important to identify the initial arrangements for welfare to occur, particularly in remote areas, where it may take some time for the Department of Communities to arrive.

The following local government officers are endorsed to represent and undertake actions on behalf of the Shire of Exmouth:

|                      | <b>Role</b>           | <b>Position</b>                               | <b>Contact Details</b>             |
|----------------------|-----------------------|---|------------------------------------|
| 1 <sup>st</sup> Call | ISG Liaison           | Compliance and Emergency Services Coordinator | Wk: 9949 1699<br>Mob: 0427 491 399 |
| 2 <sup>nd</sup> Call | ISG Liaison           | Works Coordinator                             | Wk: 9949 1699<br>Mob: 0417 177 302 |
| 1 <sup>st</sup> Call | Local Welfare Liaison | Compliance and Emergency Services Coordinator | Wk: 9949 1699<br>Mob: 0427 491 399 |
| 2 <sup>nd</sup> Call | Local Welfare Liaison | Works Coordinator                             | Wk: 9949 1699<br>Mob: 0417 177 302 |

## Register.Find.Reunite

When a large scale emergency occurs and people are evacuated or become displaced, one of the areas the Department of Communities has responsibility for is recording who has been displaced and placing the information onto a National Register.

This primarily allows friends or relatives to locate each other. Because of the nature of the work involved the Department of Communities have reciprocal arrangements with the Red Cross to assist with the registration process.

Contact details for the Exmouth Red Cross unit are available in the LEMC contact list at Appendix 6

## Preparing your pets and animals for evacuation

The Shire of Exmouth advises to prepare for your pets as well as your family. Animals, other than assistance animals, are not allowed at welfare centres.

The Shire's website contains information regarding animal welfare during emergency incidents.

## Welfare and Evacuation Centre Facilities

For more detailed information on each facility, refer to the Department of Communities Shire of Exmouth Local Emergency Management Plan for the Provision of Welfare Support.

Designated welfare evacuation centres:

| Facility                  | Location   | Contact                       | Capacity   |
|---------------------------|--|-------------------------------|------------|
| Shire of Exmouth Hall     | Maidstone Crescent next to Shire Administration Centre | Shire of Exmouth<br>9949 3000 | Approx 200 |
| Exmouth Recreation Centre | Wilersdorf Rd, between Koobooroo and Talanjee Ovals    | Shire of Exmouth<br>9949 3000 | Approx 180 |
| Learmonth Airport         | Minilya-Exmouth Road, Learmonth                        | 9949 1326                     | Airport    |

NB: Exmouth Recreation Centre is prone to flooding so facility not to be used if the event is water-related.

## Part 5: Recovery

### Aim of Recovery

The aim of recovery is to allow the community to return to normal social and economic activities, and to physically re-establish as soon as possible. At the same time actions should be taken to prevent the future occurrence of emergencies by noting opportunities that arise to make improvements within the community.

The Shire of Exmouth has developed a local recovery plan that complements the Local Emergency Management Arrangements.

### Local Recovery Coordinator

The Shire of Exmouth has nominated the Deputy Chief Executive Officer as the Local Recovery Coordinator with contact details available at the LEMC members contact list at Appendix 6

Local Recovery Coordinators are to advise and assist local government and coordinate local recovery activities as outlined in State EM Policy Section 6, State EM Plan Section 6 and State EM Recovery Procedures 1-4.



## Part 6: Exercising, reviewing and reporting

### Exercises

The Shire of Exmouth is to ensure an exercise is conducted annually to test either the whole or part of the LEMA as per State EM Policy Section 4.8, State EM Plan 4.7.

It may be done in conjunction with emergency management agencies testing their response or support plans.

### The aim of exercising

Testing and exercising is essential to ensure that emergency management arrangements are workable and effective. Testing and exercising is important to ensure individuals and organisations remain aware of what is required of them during an emergency response situation.

The exercising of a HMA's response to an incident is a HMA responsibility however it could be incorporated into the LEMC exercise.

Exercising the emergency management arrangements will allow the LEMC to:

- Test the effectiveness of the local arrangements
- Bring together members of emergency management agencies and give them knowledge of, and confidence in, their roles and responsibilities
- Help educate the community about local arrangements and programs
- Allow participating agencies an opportunity to test their operational procedures and skills in simulated emergency conditions
- Test the ability of separate agencies to work together on common tasks, and to assess effectiveness of co-ordination between them.

### Frequency of exercises

State EM Policy Section 4.8, State EM Plan 4.7 and State EM Preparedness Procedure 19 outline the State's arrangements for EM exercising, including the requirement for LEMCs to exercise their arrangements on at least an annual basis.

### Types of exercises

Some examples of exercise types include:

- desktop/discussion;
- a phone tree recall exercise;
- opening and closing procedures for evacuation centres or any facilities that might be operating in an emergency;

- operating procedures of an Emergency Coordination Centre; or
- locating and activating resources on the Emergency Resources Register.

### Reporting of exercises

The Exmouth LEMC reports their exercise schedule to the Pilbara DEMC by the 1st May each year for inclusion in the DEMC report to the Exercise Management Advisory Group (EMAG).

Once the exercises have been completed, post exercise reports will be forwarded to the DEMC to be included in reporting for the SEMC annual report.



### Review

The Local Emergency Management Arrangements (LEMA) shall be reviewed in accordance with State EM Preparedness Procedure 8 *Local Emergency Management Arrangements*.

According to State EM Preparedness Procedure 8, the LEMA (including recovery plans) are to be reviewed and amended as follows:

- contact lists are reviewed and updated quarterly ([Refer to Appendix 6 – Contacts](#));
- after an event of incident requiring the activation of an incident support group or after an incident requiring significant recovery coordination;

- an entire review is undertaken every five (5) years, as risks might vary due to climate, environment and population changes; and
- whenever the local government considers it appropriate.

If a major review takes place, the full approval process is required. If the amendments are minor, the local government is to make amendments and ensure that these are distributed to members of its LEMC, DEMC and OEM.

### **Review of Local Emergency Management Committee Positions**

The Shire of Exmouth in consultation with the parent organisation of members shall determine the term and composition of LEMC positions.

### **Review of resource register**

The Executive Officer shall have the resources register checked and updated on an annual basis, ongoing amendments occur at each LEMC meeting.

### **Annual Reporting**

The annual report of LEMC is to be completed and submitted to the DEMC within two (2) weeks of the end of the financial year for which the annual report is prepared.

The LEMC is required to submit a signed hard copy of the annual report to the Executive Officer of the DEMC.

The information provided by the LEMC annual report is collated into the SEMC and Office of Emergency Management Annual Report which is tabled in Parliament.

The SEMC issue the annual report template.

## **Part7: Appendices**

### **Appendix 1: Exmouth Emergency Resource Register**

This information is restricted to operational officers only and is updated annually prior to the cyclone season.

Appendix 2: Shire of Exmouth Risk Register

| Risk # | RISK SOURCE                     | RISK STATEMENT   | Likelihood            | Consequence  | Level          | Priority | Confidence  |
|--------|---------------------------------|--|-----------------------|--------------|----------------|----------|-------------|
| 1      | <b>ROAD TRANSPORT EMERGENCY</b> | There is a risk that if a road transport emergency occurred, <b>people</b> in the accident may be seriously injured or killed. Other road users may be involved, with possible injuries and /or deaths. Toxic fumes from chemicals and hazardous material spills and/or subsequent fires etc. may cause people with respiratory issues or other health conditions to become ill in surrounding areas. Emergency response personnel are also at risk of injury or death in the event of an unforeseen explosion/s whilst attending to the injured, spillages and fires. Major arterial routes include Exmouth Minilya Rd and many roads to communities and stations. There is also a network of 160 km's of sealed and 300 km of unsealed roads in the shire that service many communities, stations, farms and mining settlements. The user mix is from heavy haulage, commuter and tourist buses, and 4WD and passenger vehicles. | <b>Almost Certain</b> | <b>Major</b> | <b>Extreme</b> | <b>1</b> | <b>High</b> |
| 2      | <b>CYCLONE</b>                  | There is a risk that if a cyclone occurred, it may cause injury or death to <b>people</b> . People residing in coastal areas such as at Exmouth and the DBCA camp park reserves, hostels, schools, may require assistance. Some people may be stranded and displaced. With many pets may be homeless or killed. People living in remote coastal and low laying coastal areas are most at risk from the force of wind, rain and possible storm surge from the natural weather event. Industries or tourists are at risk if they are at sea and should move to a safer locational or secure harbour before the onset of strong winds and swells.   | <b>Almost Certain</b> | <b>Major</b> | <b>Extreme</b> | <b>2</b> | <b>High</b> |

|   |                   |   |        |          |      |   |        |
|---|-------------------|---|--------|----------|------|---|--------|
| 3 | <b>BUSH FIRE</b>  | There is a risk that if a bushfire occurred, it may cause injury or death to <b>people</b> . People residing in bush land areas anywhere in the Shire are at risk and may require assistance, smoking embers, dirt and dust may litter the Shire of Exmouth causing an onset of respiratory conditions and increased demand on medical services. Medication supplies could run out. Some people may be stranded in areas that have poor emergency egress and those on walking and riding trails. Tourist may become stranded and disorientated with Emergency Services having no Knowledge of them or their location.   | Likely | Major    | High | 3 | High   |
| 4 | <b>URBAN FIRE</b> | There is a risk that if urban fire occurred in any of the communities within the Exmouth Shire, high density or buildings such as day care centres, pre-school, schools, care facilities, sporting complexes and shopping centres, injury or multiple deaths may occur, and many pets may be homeless or killed. Toxic fumes from the fires may cause <b>people</b> with respiratory issues or other health conditions to become ill in surrounding areas Survivors would be displaced and emergency service personnel in attendance may be at risk of injury or death from fighting the fire and entering unsafe properties and buildings.   | Likely | Moderate | High | 4 | High   |
| 5 | <b>BUSH FIRE</b>  | There is a risk that if a bushfire occurred, large areas of natural <b>environment</b> may be destroyed. The Shire of Exmouth has approximately 6500 sq. kilometres of bush land within the region. Widespread environmental damage may destroy flora and fauna Unallocated Crown Lands, privately owned lands and the Cape Range National Park. Animals and wildlife may become homeless damaging the ecosystem; in some cases this may not be recoverable due to the nature of a catastrophic fire. Many years of a coordinated recovery response from environmental agencies would be needed to return the bushlands to pre-fire condition if possible. Station owners are without feed. | Likely | Major    | High | 5 | Medium |

|   |                  |   |        |       |      |   |      |
|---|------------------|---|--------|-------|------|---|------|
| 6 | <b>CYCLONE</b>   | There is a risk that if a cyclone occurred, large areas of natural <b>environment</b> may be destroyed. Exmouth has approximately 6500 sq. kilometres of bush land within the region in addition to marine. Widespread environmental damage may destroy flora and fauna Unallocated Crown Lands, privately owned lands and the Cape Range National Park. Animals and wildlife may become homeless damaging the ecosystem, in some cases this may not be recoverable due to the nature of a damage that could be caused by a high end category 5 storm. Many years of a coordinated recovery response from environmental agencies would be needed return the bushlands to pre-cyclone condition if possible. | Likely | Major | High | 6 | High |
| 7 | <b>FLOODING</b>  | There is a risk of contaminants and/or pollutants, loss of soils caused by a flood emergency may impact on industry responsible for the production of the products, chemicals, fertilizer, agriculture, etc., which produce these products in the <b>environment</b> in the Exmouth Shire. Industries may be severely impacted as the emergency may force temporary closures and cease of production.   | Likely | Major | High | 7 | High |
| 8 | <b>BUSH FIRE</b> | There is a risk to the <b>economy</b> with and some parts externally to the Shire of Exmouth from a catastrophic bush fire. Most segments of the commercial enterprises would be affected by the community dislocation that maybe the result of a bush fire of this magnitude. Direct loses would be those that rely of the feed from the lands that have been burnt, eco businesses, including the Cape Range National Park. Town water supply may also be compromised again. Person involved with livestock may be force to adjust their animals or buy in feeds to sustain those animals.  | Likely | Major | High | 8 | High |

|    |                      |  |        |          |      |    |        |
|----|----------------------|--|--------|----------|------|----|--------|
| 9  | <b>CYCLONE</b>       | There is a risk that if a cyclone occurred, it may cause disruption to the <b>economy</b> . People residing in coastal areas and inland areas, hostels, aged care facilities, schools or retirement villages, may require assistance. Some people may be stranded and displaced. The impact of a cyclone in the district would restrict the movement of people, freight, tourists, industry operations, plantation operations, market garden operation and all commercial / government enterprises. This may place stress on the economic welfare of the community structure.  | Likely | Major    | High | 9  | Medium |
| 10 | <b>MARINE SEARCH</b> | There is a risk that if a marine search occurred, it could be as a result in the loss of <b>people</b> injury, or illness to those that are missing and place those that search at risk of death, injury or illness. Person(s) or objects go missing on a regular basis and depending on the needs to recover those persons or objects; Police will coordinate a search from Exmouth. <b>People</b> that are sick, not from the area (Tourists) are most vulnerable. The region is a tourist destination and in season have a high number of people in places of interest to them. A problem is that we do not know where they are. People and their craft have mechanical problems that require them to be recovered. | Likely | Moderate | High | 10 | Medium |
| 11 | <b>BUSH FIRE</b>     | There is a risk to <b>public administration</b> in the Shire of Exmouth if a severe bushfire impacted and the community was not readily prepared. The community needs to reduce the number of items in the community that become fuel for fire. The Shire in its response to the hazard, along with agencies would be stretched to provide only Critical Business Functions when enacting its Business Continuity Business Management Plan. Shire premises would be at risk along with employees that have been diverted to manage the operation and recovery. This stretches resources because the fire operation and recovery would be covering all hours of operational functionality. Many                         | Likely | Moderate | High | 11 | High   |

|    |                |   |               |                 |             |           |             |
|----|----------------|---|---------------|-----------------|-------------|-----------|-------------|
|    |                | Shire premises would need to be manned to accommodate displaced person and domestic animals.  |               |                 |             |           |             |
| 12 | <b>CYCLONE</b> | There is a risk to <b>public administration</b> in the Shire of Exmouth if a cyclone impacted and the community was not readily prepared. The community needs to reduce the number of items in the community that become projectiles. The Shire in its response to the hazard, along with agencies would be stretched to provide only Critical Business Functions when enacting its Business Continuity Business Management Plan. Shire premises would be at risk along with employees that have been diverted to manage the operation. This to stretches resources because the fire would be covering all hours of operational functionality. Many Shire premises would need to be manned to accommodate displaced person and animals.   | <b>Likely</b> | <b>Moderate</b> | <b>High</b> | <b>12</b> | <b>High</b> |
| 13 | <b>CYCLONE</b> | There is a risk that if a cyclone emergency occurred, <b>social setting</b> aspects of the community may be impacted in terms of road closures, inaccessibility to certain public buildings and open spaces. People may be hindered or prevented from returning home, accessing schools and returning children home, major and minor roads closed. People would be stressed about the inability to gain access to their homes and animals. Industries would be affected by the inability to function normally causing employees to be stood down for the period of the emergency. Some day care facilities may be closed displacing children and seniors from normal activities. Local business would be affected by the removal of employees that serve as emergency service volunteers and would be part of the emergency response. People may lose | <b>Likely</b> | <b>Moderate</b> | <b>High</b> | <b>13</b> | <b>High</b> |

|    |                                 |   |        |          |      |    |        |  |
|----|---------------------------------|---|--------|----------|------|----|--------|--|
|    |                                 | their homes and be forced to relocate until such time that their homes are replaced. People will be left behind with friends relocated.   |        |          |      |    |        |  |
| 14 | <b>ROAD TRANSPORT EMERGENCY</b> | There is a risk that if road transport emergency occurred, it may cause disruption to the <b>economy</b> . People residing in coastal areas and inland areas, hostels, aged care facilities, schools or retirement villages, may require assistance. Some people may be stranded and displaced. The impact of a road in the district would restrict the movement of people, freight, tourists, industry operations, plantation operations, market garden operation and all commercial / government enterprises. This may place stress on the economic welfare of the community structure. This may have short term effect on the community. | Likely | Moderate | High | 14 | High   |  |
| 15 | <b>SEVERE STORM</b>             | There is a risk that a severe storm will cause serious injury or death to <b>people</b> , properties and employees of businesses. Emergency response service personnel are at risk of injury or death when attending to call outs to storm damage and accidents. People may need to be displaced into large community halls etc. as a temporary measure. Pets and livestock may be killed and become homeless. Lightning is a problem and is a regular factor in storms in the Exmouth Shire. This can then result in urban and rural bushfire incidents.   | Likely | Moderate | High | 15 | Medium |  |
| 16 | <b>BUSH FIRE</b>                | There is a risk that if a bushfire occurred, it could damage or destroy overhead power lines and communication <b>infrastructure</b> , causing service and communication interruptions to homes, businesses, and industry and traffic management lights. It could impact upon roads and rail transport infrastructure causing fire debris, damage to roads, traffic congestion, accidents and impact on the supply of products and services to residents and businesses. Bush fire will affect the supply of electricity, water and gas. Telecommunications including emergency services radio bands could be                               | Likely | Moderate | High | 16 | High   |  |

|    |                 |  |               |                 |             |           |             |  |
|----|-----------------|--|---------------|-----------------|-------------|-----------|-------------|--|
|    |                 | affected by the loss of communication infrastructure. Emergency services may lose their headquarters, stand pipes and water tanks.   |               |                 |             |           |             |  |
| 17 | <b>CYCLONE</b>  | There is a risk that if a cyclone occurred, it could damage or destroy overhead power lines and communication <b>infrastructure</b> , causing service and communication interruptions to homes, businesses, and industry and traffic management. It could impact upon roads and rail transport infrastructure causing fire debris, damage to roads, traffic congestion, accidents and impact on the supply of products and services to residents and businesses. Cyclone will affect the supply of electricity, water and gas. Telecommunications including emergency services radio bands could be affected by the loss of communication infrastructure. Emergency services may lose their headquarters, stand pipes and water tanks. | <b>Likely</b> | <b>Moderate</b> | <b>High</b> | <b>17</b> | <b>High</b> |  |
| 18 | <b>FLOODING</b> | There is a risk that if a flood occurred, it could damage or destroy overhead power lines and communication <b>infrastructure</b> , causing service and communication interruptions to homes, businesses, and industry and traffic management. It could impact upon roads, transport infrastructure causing debris, damage to roads, traffic congestion, accidents and impact on the supply of products and services to residents and businesses. Floods will affect the supply of electricity, water and gas. Telecommunications including emergency services radio bands could be affected by the loss of communication infrastructure. Emergency services may lose their headquarters.  | <b>Likely</b> | <b>Moderate</b> | <b>High</b> | <b>18</b> | <b>High</b> |  |

|    |                             |  |                 |                 |               |           |               |
|----|-----------------------------|--|-----------------|-----------------|---------------|-----------|---------------|
| 19 | <b>MARINE OIL POLLUTION</b> | There is a risk that if marine oil pollution occurred caused by spillage from passing ships and offshore drilling, it may impact on the surrounding ocean <b>environment</b> , such as fish and other sea life. There is a risk that if marine oil pollution occurred caused by spillage it may impact on the environment in terms of local fauna and flora, killing native birds, wildlife, marine life/organisms and contaminating delicate eco systems along the coast line. The pristine Exmouth Coastline could be threatened.  | <b>Likely</b>   | <b>Moderate</b> | <b>Medium</b> | <b>19</b> | <b>Low</b>    |
| 20 | <b>AIR CRASH EMERGENCY</b>  | There is a risk that if an aircraft collision/crash occurred within the Exmouth District's air space from/to Learmonth and/or Perth Domestic/International airports crossing residential, commercial and/or industrial areas; people, animals and/or pets may be injured, become ill and/or killed from the impact and exposure to toxic fumes, fires and smoke resulting from the falling/flying plane debris. People have been at risk from emergency landings and the use of military aircraft whilst training in this air space. | <b>Possible</b> | <b>Moderate</b> | <b>Medium</b> | <b>20</b> | <b>Medium</b> |

### Appendix 3: Critical Infrastructure Register

| Item                  | Location   | Owner            | Contact   | Community Impact Description  |
|-----------------------|--|------------------|-----------|---|
| Power Station         | Welch St, Exmouth  | Horizon Power    |           | Loss of power supply resulting in economic and health impacts on the community    |
| Sewerage Works        | Wilersedorf Road, Exmouth                                      | Watercorp        |           | Environmental health impacts  |
| Water Supply          | Exmouth Bore Field, immediately west of Exmouth town           | Watercorp        |           | Loss of water resulting in public health and hygiene impacts on the community     |
| Fuel Storage          | Multiple Locations (Refer Exmouth Emergency Resource Register) | Multiple owners  |           | Loss of fuel supply resulting in inability to supply the community and industry   |
| Learmonth Airport     | Minilya-Exmouth Rd, Learmonth                                  | Shire of Exmouth | 9949 3000 | Loss of transport and evacuation routes; economic impact to industry and tourism  |
| Exmouth Aerodrome     | 13km south of Exmouth town along the Minilya-Exmouth Rd        | Shire of Exmouth | 9949 3000 | Loss of transport and evacuation routes. Economic impact to industry and tourism. |
| Minilya-Exmouth Road  |  | MRWA             |           | Loss of access to the community, evacuation routes and supply routes              |
| Exmouth Harbour       |  | DoT              |           | Economic impact to industry and tourism; Loss of evacuation and supply routes     |
| Bridge, Horwood Quays | Horwood Quays, Exmouth Marina Village                          | Shire of Exmouth | 9949 1699 | Loss of access to sections of the community                                       |

|                               |  |                         |           |   |
|-------------------------------|--|-------------------------|-----------|---|
| Telstra tower                 | Maidstone Cr,<br>Exmouth rear Post<br>Office | Telstra                 |           | Loss of communications  |
| Yardie Creek Road             |  | Shire of<br>Exmouth     | 9949 1699 | Loss of access to the popular tourist locations which<br>can result in economic impacts;<br>Loss of access to sections of the community and their<br>evacuation route |
| North West Coastal<br>Highway | Approx 170km<br>south of Exmouth             | MRWA                    |           | Loss of access to the community, evacuation routes and<br>supply routes   |
| Exmouth Hospital              | Lyon St, Exmouth                             | Department of<br>Health |           | Loss of emergency health care services  |

## Appendix 4: State and Local Public Information & Community Warning Systems

### State:

| System   | Responsible Agency | Comments  |
|--|--------------------|---|
| Standard Emergency Warning Signal (SEWS)   | DFES or BOM        | <p>In Western Australia SEWS broadcasts are authorised by the Department of Fire and Emergency Services (DFES) or the Regional Director of the Bureau of Meteorology (BoM) for weather and flood related events.</p> <p>For more information on SEWS please visit <a href="http://www.dfes.wa.gov.au/safetyinformation/warningsystems/pages/sews.aspx">http://www.dfes.wa.gov.au/safetyinformation/warningsystems/pages/sews.aspx</a></p> |
| ABC Radio  | HMA                | <p>ABC Radio in WA will broadcast an emergency message immediately, repeatedly, for as long as necessary, and to whatever target audience in any area.</p> <p>The ABC Channel for the Shire of Exmouth is 1188AM – visit <a href="http://www.abc.net.au">www.abc.net.au</a> for more information</p>  |
| DFES Public Information Line and Website – <a href="http://www.dfes.wa.gov.au">www.dfes.wa.gov.au</a>            | DFES               | <p>During an emergency where life or property is under threat, information is available by calling the DFES public information line on: <b>1300 657 209</b>, online via the <a href="#">alerts page</a> of this website and by listening to <a href="#">local radio news bulletins</a>.</p>   |
| BOM Tropical Cyclone Telephone Weather Services and Website – <a href="http://www.bom.gov.au">www.bom.gov.au</a> | BOM – WA           | <p>The BOM website provides information on warning services, current weather, radar displays, satellite images, weather charts and weather observations that are provided to the public by the Bureau of Meteorology (BoM).</p> <p>The latest Tropical Cyclone Advises can always be heard on recorded telephone services. The contact number for the <b>Western Australia Tropical Cyclone Information Service</b> - 1300 659 210</p>    |

|                     |     |  |
|---------------------|-----|--|
| Television          | HMA | Television in WA will broadcast an emergency message immediately, repeatedly, for as long as necessary, and to whatever target audience in any area. |
| SMS Emergency Alert | HMA | A mobile phone based warning system which will capture all mobile phones within a specific geographic area. No registration is required              |

**Local:**

| System  | Responsible Agency  | Comment   |
|---|---|---|
| Cyclone Alert Lights<br>- Exmouth SES, Payne St<br><br>- Shire of Exmouth Works Depot, Welch St<br><br>- Exmouth Police Station, Maidstone Cr | - Exmouth SES<br>Ph: 0447 230 988<br><br>- Shire of Exmouth<br>Ph: 08 9947 8700<br><br>- Exmouth Police<br>Ph: 08 9947 8700 | Activated by the SES and implemented by the responsible agency.<br><br>These lights act as a visual warning system for the community.   |
| Ross St Mall variable electronic notice board   | Shire of Exmouth –<br>Ph: 9949 3000   | The Shire of Exmouth has the ability through its variable electronic notice board in the Ross St Mall to provide information about bushfires, cyclones and other emergency information and can be utilised as a tool for disseminating information to the public.                         |
| Exmouth Info Website –<br><a href="http://www.exmouthinfo.com.au">www.exmouthinfo.com.au</a>  | Sharon Mumby (website administrator) –<br>Mob: 0419 967 334   | Exmouth Info is a local website which provides daily email subscription services that many Exmouth and Coral Bay residents have subscribed.<br><br>It has been designed to better inform the Exmouth community and can be utilised as a tool for disseminating information to the public. |

|  |   |   |
|--|---|---|
|  |   | Notices published on the website can be linked to Social Media accounts with the click of a button  |
| <p>Social Media;</p> <ul style="list-style-type: none"> <li>- DFES: Twitter</li> <li>- Exmouth SES: Facebook</li> <li>- Exmouth Police: Twitter</li> <li>- Pilbara Police: Facebook</li> <li>- Shire of Exmouth: Facebook</li> </ul> | <ul style="list-style-type: none"> <li>- DFES</li> <li>- Exmouth SES</li> <li>- Exmouth Police Station</li> <li>- Karratha Police Station</li> <li>- Shire of Exmouth,</li> </ul> | <p>Can be utilised as a tool for disseminating information to the public through the various social media options available.</p> <p>All social media pages are locally based, either in Exmouth or as part of the Pilbara district.</p> |
| Door Knocking  | HMA and SES   | Utilised as a tool to disseminate information within a specific area through direct face to face contact  |
| Public Announcement  | Exmouth Police –<br>Ph: 9947 8700   | Utilised as an additional tool to ensure the dissemination of information within a specific area  |
| Shire of Exmouth Website   | Shire of Exmouth –<br>Ph: 9949 3000   | The Shire of Exmouth has the ability through its website to provide information about bushfires, cyclones and other emergency information and can be utilised as a tool for disseminating information to the public.                    |
| Pilbara News (Print Media)   | Pilbara News –<br>Ph: 08 9185 2666  | Can be utilised as a tool for disseminating information to the public.  |
| Community Education  | HMA   |   |

|  |  |  |
|--|--|--|
| SMS Cyclone Alert  | Shire                                      | Utilised to provide up-to-date alert statuses for cyclone conditions for Exmouth. Registration is required in order to receive notifications   |
| Exmouth District High School Electronic Noticeboard (EDHS) | Exmouth District High School Ph: 9947 8888 | The EDHS the ability through its electronic notice board on Maidstone Cr to provide information about bushfires, cyclones and other emergency information and can be utilised as a tool for disseminating information to the public. |

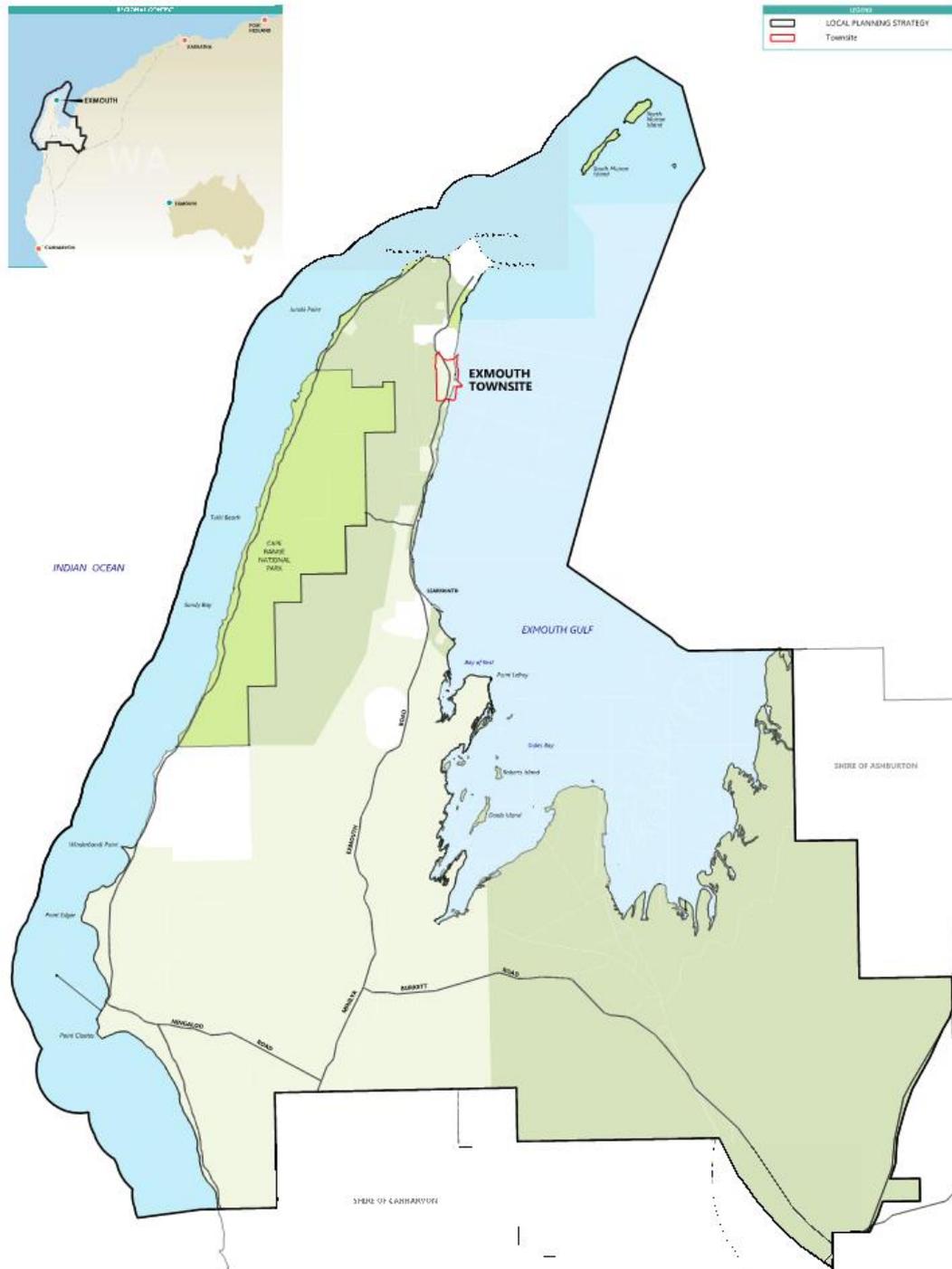
## Appendix 5: Vulnerable & Special Needs Groups

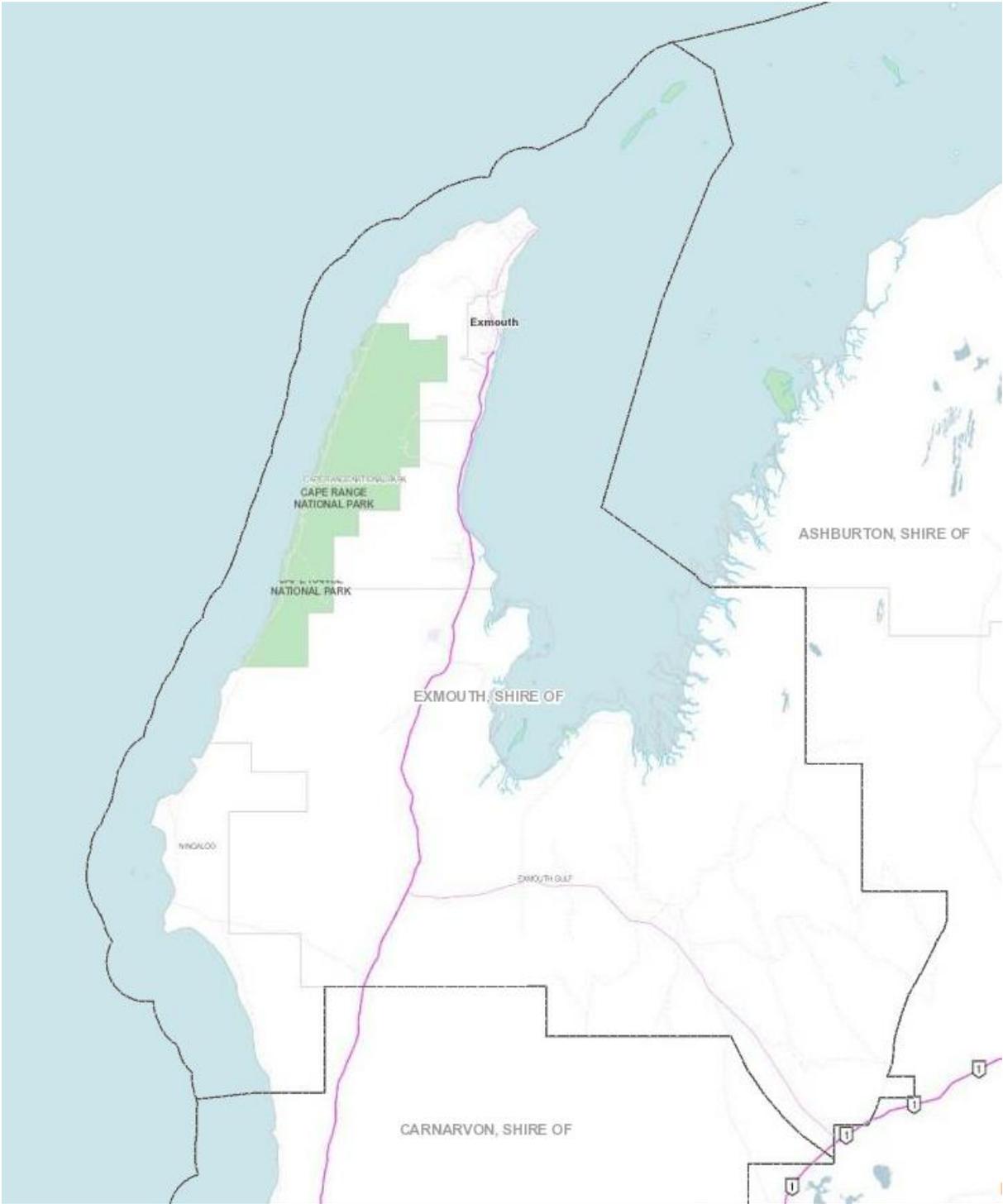
| Group                                     | Description   | Agency Responsible      | Location               | Contact                                  | Number   |
|---|---|-------------------------|------------------------|--|--|
| Aged                                      | Commonwealth funded residential beds – 3 high care, 1 low care and 6 community care packages available for clients to be looked after at home   | Department of Health    | Exmouth Health Service | Emma Howard<br>9949 3630<br>0417 949 148 | Hospital residents = 3 (maximum) Current Home Aged Care clients = 37 |
| Hospital home patients that require power | Patients that require oxygen or have a disability that causes them to rely on power   | Department of Health    |                        | Emma Howard<br>9949 3630<br>0417 949 148 | 2 Patients   |
| Exmouth District High School              | Primary and Secondary schooling   | Department of Education | Carpenter St, Exmouth  | Ray Denholm<br>9947 8888                 | 480 students   |
| Tourists*                                 | Tourists in tents or light weight transportable accommodation are vulnerable to extreme heat/wind/rain events; non-English speaking backgrounds | P & W, Shire, HMA       |                        |  |  |

**Appendix 6: LEMC Contact List**

This information is restricted to operational officers only and is updated quarterly at each LEMC meeting.

## Appendix 7 Maps of the District





# Exmouth Town Site Map

Location Map

## TOWN of EXMOUTH

1 2 3 4 5 6 7 8 9 10 11 12 13

### EXMOUTH ACCOMMODATION

- A Ningaloo B&B & Breakfast
- B Novotel Ningaloo Resort
- C Exmouth Escape Resort
- D Exmouth Cape Holiday Park
- E Ningaloo Caravan & Holiday Resort
- F Ningaloo Lodge
- G Pelican Hotel
- H Osprey Holiday Village

### NORTH OF EXMOUTH

- Best Western Sea Breeze Resort
- Lighthouse Caravan Park
- Yardie Homestead Caravan Park
- Cape Range National Park
- Sol Salis Ningaloo Reef

Street Name Grid Ref

|   |                   |              |
|---|-------------------|--------------|
| B | Bonnett St        | F4, N2       |
|   | Bluefin Cv        | V11          |
|   | Bowfin Way        | D4           |
|   | Broad St          | H5           |
|   | Bonefish (D)      | G4           |
| C | Cameron St        | I3           |
|   | Campbell Way      | J2           |
|   | Caley St          | H3           |
|   | Carpenter St      | I5           |
|   | Carl Way          | I2           |
|   | Carter Rd         | J5           |
|   | Christie St       | I5           |
|   | Collie Ct         | N10          |
|   | Coolyau Ct        | U10          |
|   | Coral Way         | U10          |
|   | Corrala St        | N9           |
|   | Craft St          | J6           |
|   | Crevalle (D)      | S9           |
| D | Davidson St       | I5           |
|   | Diver Mews        | H1           |
|   | Dugong Ct         | V10          |
| E | Eurayle St        | E4           |
| F | Falls St          | I3           |
|   | Fanley St         | D3           |
|   | Fitzhardinge St   | D3           |
|   | Fleischer St      | D2           |
|   | Fyfe St           | B3           |
|   | Friedman Way      | N10          |
| G | Game Fishing Club | Q12          |
|   | Gaillardoo Cove   | M10          |
|   | Gnall Ct          | O3           |
|   | Gooley St         | I3           |
|   | Graying Way       | H4           |
|   | Grassier St       | H4           |
|   | Grey St           | I4           |
|   | Griffin Way       | B3           |
|   | Orliffe Way       | L7           |
| H | Hall St           | J3           |
|   | Heron Way         | X4           |
|   | Homewood Quays    | P5, V10      |
|   | Hunt St           | V11          |
|   | Huston St         | I6           |
| I | Ingardia Ln       | U11          |
|   | Ingleson St       | H2           |
|   | Ingram St         | X11          |
| J | Jaywick St        | B2           |
|   | Jones Pl          | 2            |
| K | Kelkor Pl         | F3           |
|   | Kennedy St        | H4, R2       |
|   | Kestrel Pl        | N8           |
|   | King Pl           | I2           |
|   | Koolinda Way      | L5           |
|   | Klein St          | H4           |
|   | Krait St          | D4           |
| L | Learnmonth St     | G2, G4, O2   |
|   | Lefroy St         | I6           |
|   | Lockwood St       | E4           |
|   | Lyon St           | F4           |
| M | Marina Quays      | U12          |
|   | McLeod St         | W8           |
|   | Maddison Dr       | M3, O10, Q11 |
|   | Maldstone Cres    | G5, O4       |
|   | Malley St         | K7           |
|   | Marlin Ct         | V11          |
|   | Morisset          | S9           |
|   | Marsh St          | H5           |
|   | Marret Rd         | B4, K6, Y6N  |
| N | Neale Cv          | R10          |
|   | Ningaloo St       | H3           |
|   | Nimitz St         | I4           |
| O | Osprey Way        | M10          |
| P | Page St           | I4           |
|   | Patterson St      | K7           |
|   | Payne St          | G5, P6       |
|   | Pelias St         | I7           |
|   | Pelless St        | J7           |
|   | Potshot St        | E3           |
|   | Preston St        | V5R          |
| R | Reefin Ct         | E5           |
|   | Reid St           | J5, M8       |
|   | Reymond St        | E2           |
|   | Riggs St          | F5, O5       |
|   | Rimau St          | B3           |
|   | Rule St           | E3           |
| S | Saunders Ct       | W12          |
|   | Salmon Loop       | D4           |
|   | Sargent St        | H2           |
|   | Sargo Ct          | O3           |
|   | Saury Pl          | D3           |
|   | Schmidt Way       | D2           |
|   | Sculpin Ct        | C2           |
|   | Searaven St       | S9           |
|   | Serawid Pl        | C3           |
|   | Shikjock Ct       | A3, C3       |
|   | Snapper Loop      | B3           |
|   | Slelano Way       | B3           |
|   | Stewart St        | I3           |
|   | Stokes-Hughes St  | E2           |
| T | Tambor Dve        | D3, D5       |
|   | Taillag St        | I3           |
|   | Thew St           | G4, R3       |
|   | Tonghe Pl         | I2           |
|   | Thresher St       | Y12          |
|   | Truscott Cres     | I8           |
|   | Trout Pl          | D3           |
|   | Tuckyey St        | V10          |
|   | Turner Pl         | I2           |
| W | Wahoo Ct          | V11          |
|   | Walkers Way       | D2           |
|   | Warne St          | M10          |
|   | Warren Way        | C2           |
|   | Walsh St          | M7           |
|   | Willersdorf Rd    | E3           |
| Y | Yardie St         | H4           |
|   | Young St          | Y11          |



1 2 3 4 5 6 7 8 9 10 11 12 13