

GINGIN GRAVITY PRECINCT

EMERGENCY FIRE PLAN

[AIGO VERSION 5.0 – ISSUED 10/03/2020](#)

Address 1098 Military Road, Gingin West - Yeal

Location 31° 21' 27" South

115° 42' 50" East

Telephone AIGO 9575 7591

GDC 9575 7577

UWA Security Duty Officer 6488 2222

Chief Fire Warden John Moore - UWA 0404 740 809

Deputy Fire Warden Jan Devlin - GDC 0422 448 875

Deputy Fire Warden Laraine Troy - GDC 9575 7561

NOTE - A UHF radio is installed in the AIGO accommodation building for communication with Firefighters on [Channel 20](#)

AIGO EMERGENCY TELEPHONE NUMBERS

POLICE - FIRE - AMBULANCE

DIAL 9 for an outside line - then 000

POLICE	24 Hour Non-Emergency	9222 1111
	Gingin	9575 5600
	Lancelin	9650 1100

AMBULANCE		000
------------------	--	-----

MEDICAL CENTRES	Gingin	~ 26 klm	9575 2300
	Joondalup Hospital	~ 49 klm	9400 9400

DFES EMERGENCY INFORMATION - www.emergency.wa.gov.au	133 337
--	---------

DBCA – FIRE DUTY OFFICER - www.dbca.wa.gov.au	9405 0700
--	-----------

STATE EMERGENCY SERVICE - www.ses-wa.asn.au	132 500
---	---------

MAIN ROADS - www.mainroads.wa.gov.au	138 138
--	---------

POISONS INFORMATION LINE – www.scgh.health.wa.gov.au	131 126
--	---------

WESTERN POWER – www.westernpower.com.au	131 351
---	---------

*NOTE - When reporting an electrical problem please quote the meter # **0140 000 558** as the account number to the operator for further assistance*

UWA PHYSICS

General Enquiries		6488 3477
Suspension Lab	Basement B14 A & B	6488 1844
Ju Li		6488 1033
John Moore	Operations Manager	6488 2005
Ruby Chan	OzGrav Administration Office	6488 1170

GENERAL NUMBERS

AIGO main laboratory	9575 7591
John Moore	0404 740 809
Gravity Discovery Centre	9575 7577
Wanneroo Shire Chief Fire Officer	0428 101 132
UWA Security – Duty Officer	6488 2222

BUSH FIRE EMERGENCY CHECK LIST

In the event of a bush fire, follow this checklist as close as possible

If you see smoke in the vicinity of the Gingin Gravity Precinct alert one of designated Fire Wardens immediately who will follow this checklist:

Chief Fire Warden	John Moore	0404 740 809
UWA Security	Duty Officer	6488 2005
Deputy Fire Warden	Jan Devlin	0422 448 875
Deputy Fire Warden	Laraine Troy	9575 7561

- Assess fire - Location, Distance and Wind Direction
- If the bush fire is considered to be an immediate threat call 000 to report the fire and proceed with the Bush Fire Emergency Evacuation Procedure
- If the bush fire is not an immediate threat call the DFES information line on 133 337 or visit www.emergency.wa.gov.au for bush fire information and warnings
- Contact Wanneroo Chief Fire Officer on 0428 101 132
- Contact all AIGO staff and students and gather in the kitchen / theatre
- Contact GDC on 9575 7577
- Ensure all staff and students are present
- Brief staff and visitors on situation - all staff and visitors must stay inside the building until notified by the Fire warden to Evacuate or return to normal activities
- Designated Fire Warden or Trained staff to follow instructions to start Gingin Gravity Precinct Perimeter Bush Fire Sprinkler System – *NOTE require 003 key to unlock valves available from AIGO main laboratory or the GDC*
- **Make decision whether or not to evacuate** – based on information from DFES or Immediate Threat or Danger

NOTE - The decision whether or not to evacuate must be made at the earliest possible time after a Bush Fire Alert has been activated

STRUCTURAL FIRE EMERGENCY EVACUATION PROCEDURE

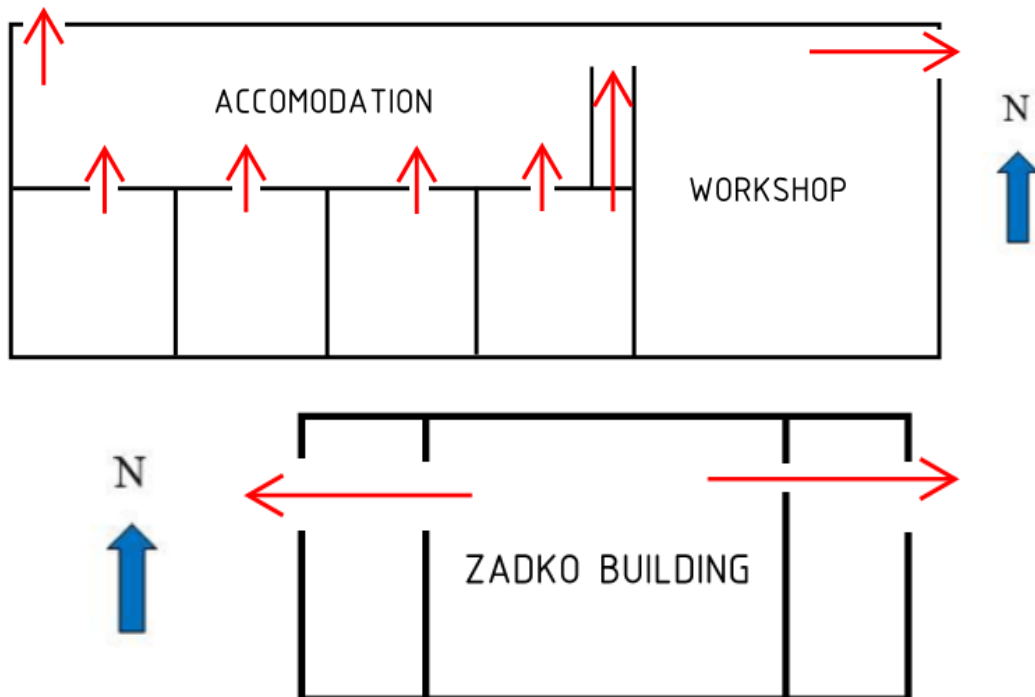
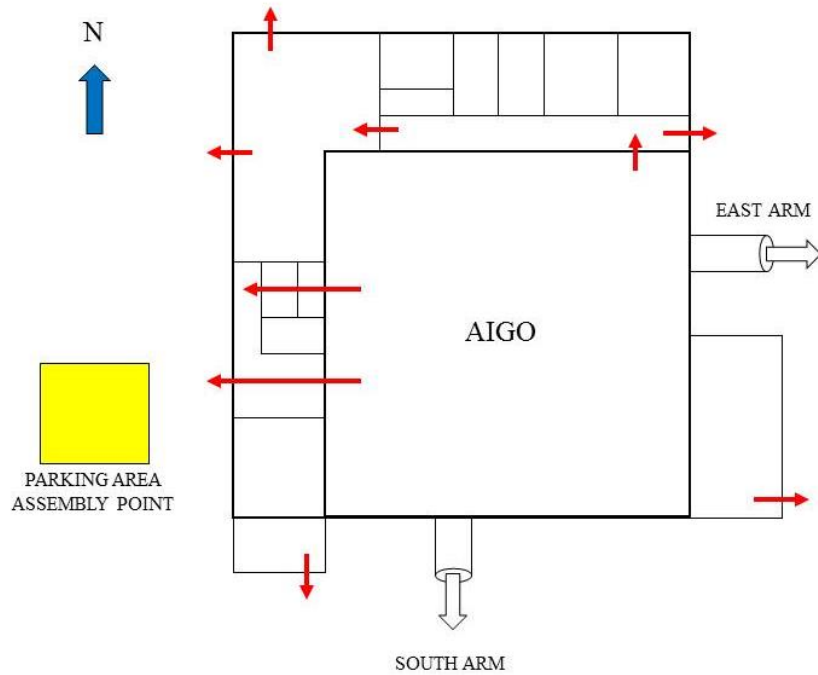
- Call 000 to report fire
- Contact all staff and visitors by calling all Extension Numbers – see list attached or by conducting a thorough search of all buildings if safe to do so
- Ensure all internal doors are closed in the accommodation building
- Direct all staff and students to calmly leave the building via the nearest Exit
- Ensure all staff and students are gathered at the Emergency Assembly Area
This is between the Main Laboratory and the Accommodation Building
- Stay clear of buildings and do not re-enter a building under any circumstance until Emergency Services have given the ALL CLEAR

NOTE - Do not attempt to fight a fire unless you have been trained

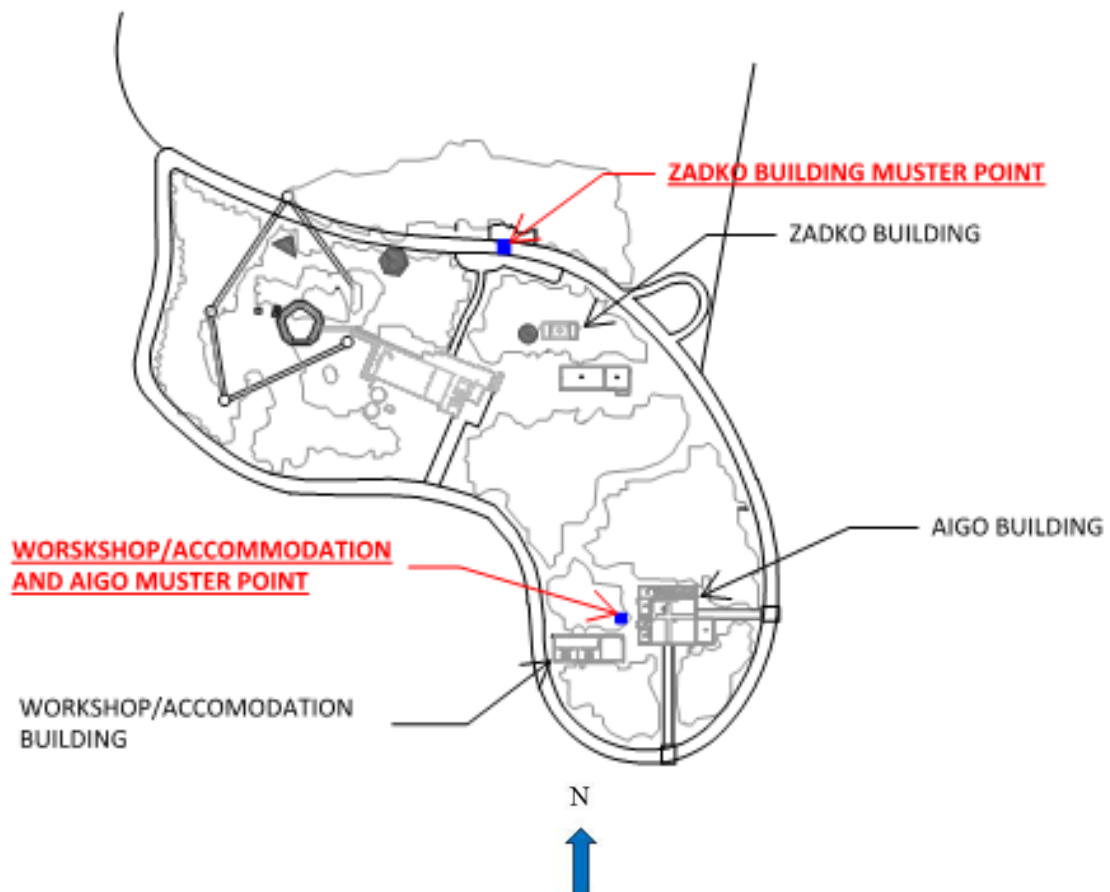


EMERGENCY EVACUATION

- Evacuate the building at nearest exit
- Regroup at the Emergency Assembly Area if safe to do so
- Follow Fire Wardens instructions



BUILDING MUSTER POINT LOCATIONS



BUSH FIRE EMERGENCY EVACUATION PROCEDURE

On making the decision to evacuate the property, the Fire Warden must follow this procedure

- Turn off all Air Conditioners
- Direct all staff and students to calmly leave the building via the nearest Exit
- Ensure all staff and students are gathered at the Emergency Assembly Area
This is between the Main Laboratory and the Accommodation Building
- Decide which exit road to use based on advice from DFES or use the safest route away from path of fire front

NOTE - There are two main exit roads from the Gingin Gravity Precinct - the main entrance and an emergency road directly north of the main laboratory – lock box code is 0416

- Co-ordinate any evacuation with the GDC – phone 9575 7577
- Inform Emergency Services of intent to Evacuate and Exit Route taken
- Only leave the site when all staff and students are present and accounted for unless your life is in imminent danger

*Staff, students & visitors should also be aware that broadcasts regarding potential fire risk are made on radio station **720 AM** this should be monitored when a bush fire is in the area*

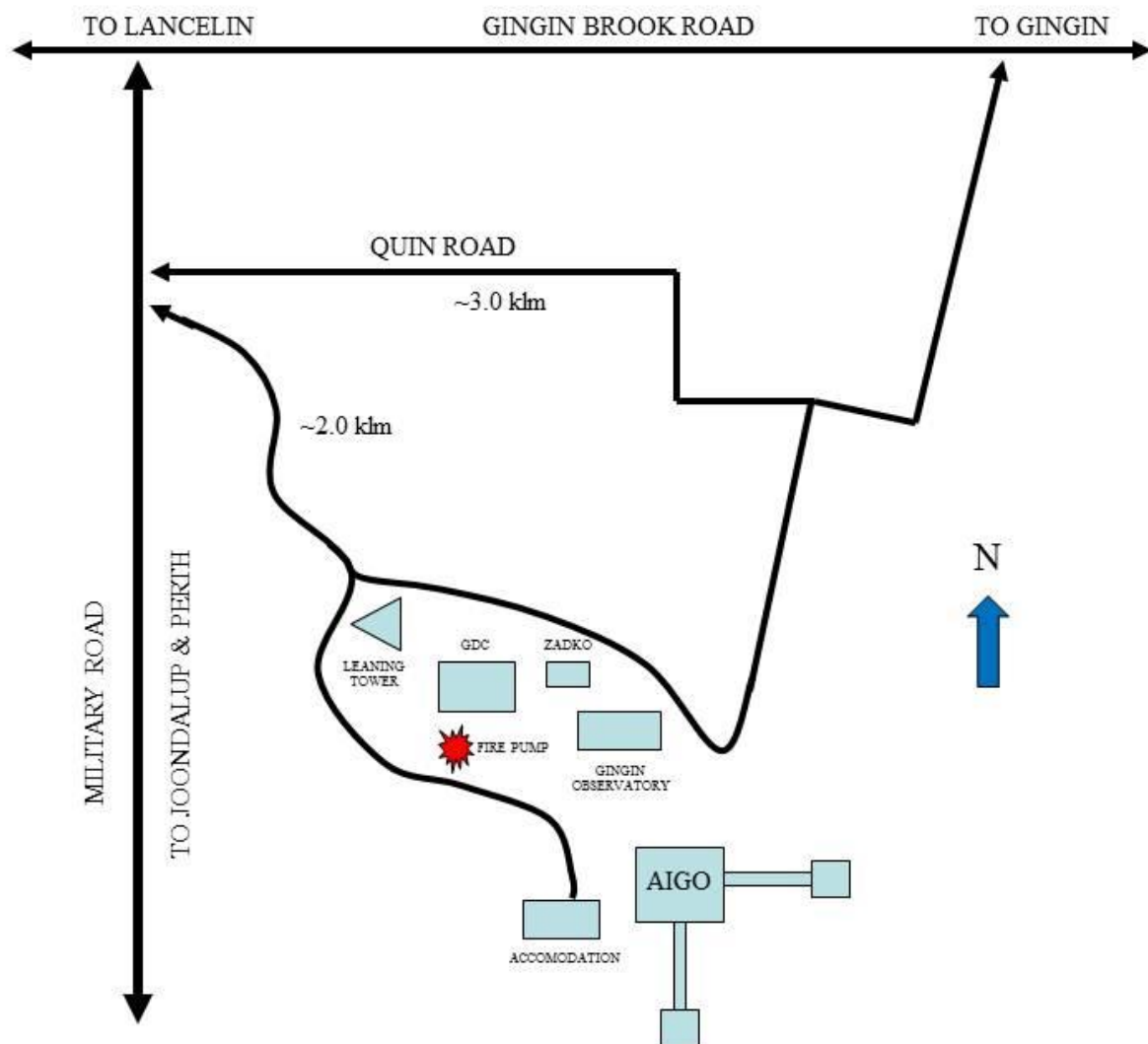
NOTE - All staff, students & visitors must evacuate the area when instructed; under no circumstance stay and defend the property

Entry back onto the property is not permitted under any circumstance when the area has been evacuated until permission is given by the Emergency Services

BUSH FIRE EVACUATION

There are two escape routes available ..

- Sealed ~2.0 klm to Military Road
- Sand track to Quin Rd ~1.0 klm



STAY & SHELTER EMERGENCY BUSH FIRE PROCEDURE

In the event of a situation where evacuation is not possible, three shelter areas have been identified as a safer shelter from a bush fire threat

1. Accommodation Building – *Fitted with an external sprinkler system*
2. GDC Theatre
3. GDC Observatory

AIGO ACCOMODATION BUILDING

- Shelter can be taken in the common area in this building - not in the bedrooms
- All occupants to cover their skin with natural fibre and loose-fitting clothing
- Close all doors and windows
- Keep checking all areas of the shelter building as the fire front passes

GDC THEATRE

Shelter can be taken within the GDC Theatre inside the main GDC building. The decision to shelter at this location can be made by coordination with the GDC staff on 9575 7577

- Follow instructions from the Fire Warden
- All occupants to cover their skin with natural fibre and loose-fitting clothing
- Close all doors and windows
- Keep checking all areas of the shelter building as the fire front passes

GDC OBSERVATORY

Shelter can be taken within the GDC Observatory

The decision to shelter at this location can be made by coordination with the GDC staff on 9575 7591

- Follow instructions from the Fire Warden
- All occupants to cover their skin with natural fibre & loose-fitting clothing
- Close all doors and retractable roof
- Keep checking all areas of the shelter building as the fire front passes

GGGP BUSH FIRE SPRINKLER SYSTEM OPERATION

NOTE - The sprinkler system is not a guaranteed protection for personnel it is only to assist in the control of ember attack

LOCATION

The GGGP Bush Fire perimeter sprinkler system is located at the rear entrance to the GDC approximately 500 metres North West of the AIGO research facility. The Fire Pump Shed is located adjacent to the water tanks and stand-by generator and contains two Diesel Pumps. The Sprinkler Valves are located on the north-east corner of the pump shed.

SPRINKLER SYSTEM OVERVIEW

The sprinkler system has been divided into two sections being a southern section and a northern section.

The southern section consists of perimeter sprinklers that cover the Main Laboratory, Accommodation building and both End Stations.

The northern section consists of perimeter sprinklers that cover the GDC, GDC Observatory, Falcon Observatory and the Zadko Observatory.

There is a separate valve for the southern and northern sections - water to the pump is supplied from four interconnected tanks and pumped via a diesel water pump - the tanks are automatically refilled via a bore pump. The total sprinkler system tank storage volume is approximately 600,000 litres, which provides a maximum supply time of approximately five hours without recharging.

NOTE - A bore pump will automatically start once the fire pumps are started which will replenish the tanks as they empty enabling a longer supply time.

The decision when to activate the sprinkler system should only be made by trained personnel or on the advice of an authority from DFES.

The Pump Shed is located adjacent to the water tanks behind the GDC and is easy to find if the fire pumps are running due to the noise generated.

In the event of a power outage at the GGGP a standby diesel generator will automatically start to ensure that the fire-fighting equipment will remain operational.

NOTE – A service contract exists with Wormald who will ensure that there is sufficient diesel in both pumps during their monthly inspection. If the fuel level drops below 75% as shown on the front panel an alarm will sound to indicate that refilling is required.



TO TURN ON THE SPRINKLER SYSTEM

To operate the sprinklers, unlock chains using 003 key, slowly turn the valve handle on the required valve in an anti-clockwise direction until the valve is completely open then repeat procedure for the other section.



- *Hearing a rumble until the valve is fully open is normal*
- *An audible alarm will activate once pumps start and continue until pumps are turned off*
- *There may be some air in the system - this will purge automatically from the sprinkler head*

TO TURN OFF THE SPRINKLER SYSTEM

To turn off the sprinklers, turn the wheel on the required valve in a clockwise direction until the valve is completely closed then repeat procedure for the other section. Refit chains to valve handles and lock.



TO TURN OFF THE FIRE PUMPS

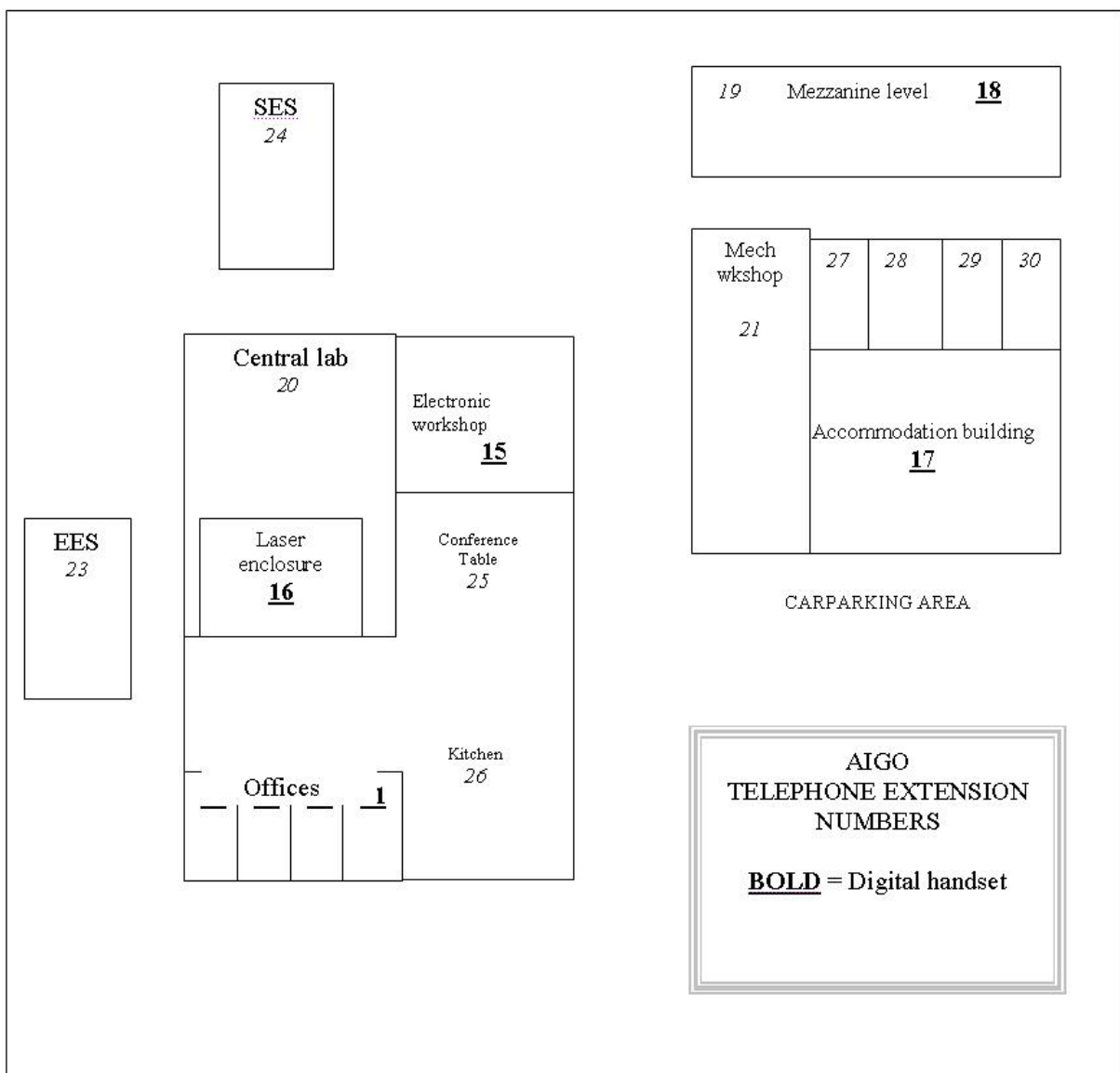
STAGE 1	
<ul style="list-style-type: none"> • IMPORTANT - Ensure sprinkler valves are closed • Obtain 003 Fire Key from AIGO or GDC • Hearing protection required • Open Pump Shed door • Press and hold stop button of activated pump as indicated • If pump continues to operate, verify that sprinkler valves are closed • Proceed to stage '2' if pumps continue to run • <i>If diesel fuel tanks are showing less than 75% full the audible alarm will continue – either press the MUTE alarm button or refill the diesel tanks</i> 	
STAGE 2	
<ul style="list-style-type: none"> • Isolate pump at switch as indicated and contact UWA site manager 	

AIGO PHONE EXTENSION NUMBERS

NOTE – If you are aware of any work colleagues within other buildings, ring them if time permits to make them aware of the situation

REMEMBER – Mobile reception can be absent within the main laboratory and end stations so it is advisable to use the internal phone network and extensions shown below

GOOD PRACTICE – Obtain your work colleagues mobile phone number for use in the event of an emergency



GGGP – FIRE DANGER RATINGS POLICY

If the **FIRE DANGER RATING** on the [Bureau Of Meteorology \(BOM\)](#) website for Perth is **EXTREME** or **CATASTROPHIC** or if there is a **BUSHFIRE ADVICE** or **WARNING** for the localities of **Muckenburra, Neergabby, Woodridge, Wilbinga** or **Yeal** on the [Department of Fire and Emergency Services \(DFES\)](#) website then the site will be closed. No staff, students or visitors are allowed on site. Any staff, students or visitors already on site should evacuate the site immediately.

If the **FIRE DANGER RATING** on the BOM website for Perth is **SEVERE** or **VERY HIGH** or if there is a **BUSHFIRE ADVICE** or **WARNING** for anywhere (*other than those listed above*) in the shire of Gingin on the [DFES](#) website then only staff, students and visitors who have their own transport may stay on site, but must evacuate the site if the conditions change to those listed above or if instructed to do so by Emergency Services or Fire Wardens. Staff, students and visitors should regularly check both [BOM](#) and [DFES](#) websites for changes in **FIRE DANGER RATINGS** and **BUSHFIRE ADVICE** or **WARNINGS**.

In addition, if the **FIRE DANGER RATING** is **SEVERE** then vehicle movement on unsealed roads is banned and no hot work of any type (*welding, grinding etc.*) can be carried out until the **FIRE DANGER RATING** decreases.

Before going up to the Gingin Gravity Precinct all staff, students and visitors shall check **FIRE DANGER RATING** on the [Bureau of Meteorology \(BOM\)](#) website for Perth and ensure that it is not **EXTREME** or **CATASTROPHIC** or that there are any **BUSHFIRE ADVICE** or **WARNINGS** for the localities of **Muckenburra, Neergabby, Woodridge, Wilbinga** or **Yeal** on the [Department of Fire and Emergency Services \(DFES\)](#) website prior to departing Perth

Fire Danger Ratings are provided at: <http://www.bom.gov.au/wa/forecasts/perth.shtml>

Note - The highest rating of the two regions must be applied

Fire Danger Alerts are provided at: <http://www.dfes.wa.gov.au/firedangerratings>

Alerts and warnings are provided at: <http://www.dfes.wa.gov.au/alerts>

