

Jingelic Creek Bridge, 2012



# Local Flood Guide

*Upper Murray*

Understand, prepare, and respond effectively to your flood risk.



FLOOD STORM  
EMERGENCY **132 500**



If life threatening  
call triple zero 000

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Victorian State Emergency Service acknowledges Aboriginal Traditional Owners of Country throughout Victoria and pays respect to their cultures and Elders past and present.

**Disclaimer:** Victoria State Emergency Service assumes no responsibility or liability for any errors or omissions for any of the content in this document.

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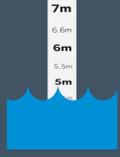


For more information visit: [ses.vic.gov.au/plan-and-stay-safe](https://ses.vic.gov.au/plan-and-stay-safe)

## Local flood information

This information is relevant to residents of the following communities.

- Walwa, VIC
- Towong, VIC
- Corryong, VIC
- Jingellic, NSW

 <p>There have been eight significant flood events in Upper Murray between 1917 and 2014.</p>	 <p>The largest flood on record was in Walwa in 2012 when floodwater reached 7.91 metres at the Jingellic gauge.</p>	 <p>Flooding can happen within hours, giving people little to no time to prepare and take action.</p>
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## Why does Upper Murray flood?

The Upper Murray area is at risk of both **riverine flooding** and **flash flooding**, which can happen separately or at the same time. Both are usually caused by heavy rainfall.



### Riverine flooding

This happens when the Murray River rises and overflows its banks, spilling water onto land. The most common cause is **prolonged** heavy rainfall.

- Walwa is particularly at risk of flooding from the Murray River.
- The rapid melting of snow from snowfields in Victoria and New South Wales can contribute to rising water levels in the river.
- Water release from Khancoban pondage can also influence flooding creating unexpected river rises in the Upper Murray River area.

### Flash flooding

This type of flooding can happen quickly and you may not receive an official warning. Although these floods only last short time, they can cause severe damage.

## How do floods impact communities?

Even if your home or workplace stays dry, floods can impact you in many ways.



Buildings flooded



Road closures



Drinking water supply and quality affected



Power outages



Mobile and internet network outage

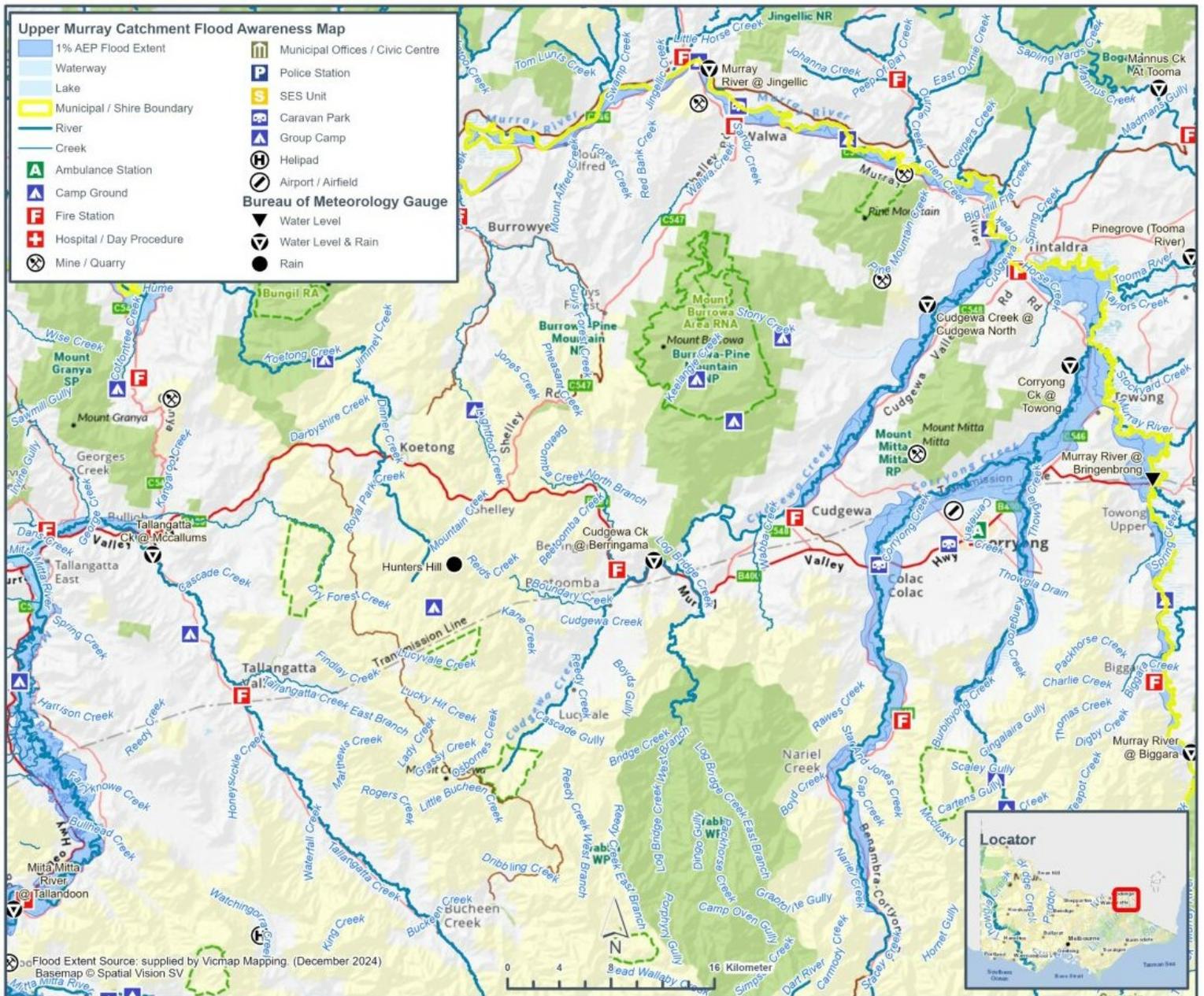


Sewage overflows inside building

## Check your home, work, and travel routes for floodwater

If either of these maps shows potential flood risk for you, ensure you take action to **plan and prepare for floods**. See [page 8](#) for more information.

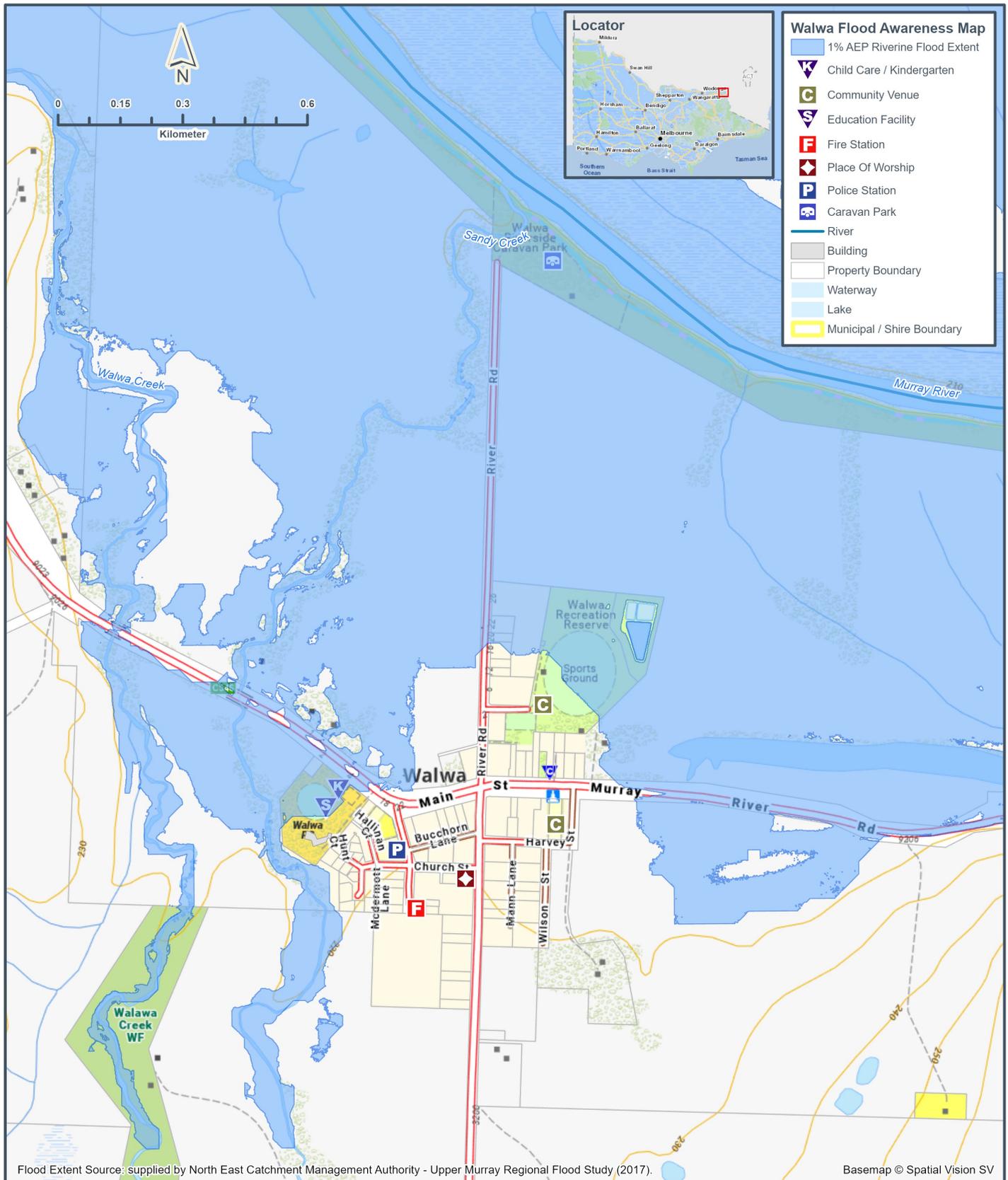
- The following two maps show the areas likely to flood in a significant flood event measuring at least 7.91 metres high at the [Murray River at Jingellic gauge](#).
- This is referred to as a 1% Annual Exceedance Probability (AEP), which means there is a 1% chance of this size flood (or greater) happening in any year.
- This floodwater height is similar to the March 2012 flood event, and 0.41 metres higher than the major flood level.



## Check your home, work, and travel routes for floodwater - Walwa

If either of these maps shows potential flood risk for you, ensure you take action to **plan and prepare for floods**. See [page 8](#) for more information.

- The previous and below map show the areas likely to flood in a significant flood event measuring at least 7.91 metres high at the [Murray River at Jingellic gauge](#).
- This is referred to as a 1% Annual Exceedance Probability (AEP), which means there is a 1% chance of this size flood (or greater) happening in any year.



## What might happen in a flood in your area?

Although no two floods are the same and the environment is constantly changing, the below table provides an idea of what to expect at different flood heights.

- **Before a flood:** Use the floodwater heights in the table to help you decide when you will need to act to protect yourself and your property in a flood event.
- **During a flood:** When a warning is issued by [VicEmergency](#), use the predicted floodwater height and warning information to understand what the potential impacts may be for you and your community.

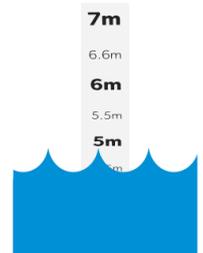


Floodwater Height (metres)*	Previous flood events and impacts <small>*The height measurement is at the <a href="#">Murray River at Jingellic gauge</a>.</small>
	<b>March 2012 flood event</b> Flood height shown on map, see <a href="#">page 4</a> and <a href="#">page 5</a> .
7.91m	<ul style="list-style-type: none"> <li>■ <b>Walwa:</b> Low-lying areas were evacuated, and one house was flooded. People were rescued from the caravan park, which was damaged along with the golf course and football ground.</li> </ul>
	<b>October 2010 flood event</b>
7.64m	<ul style="list-style-type: none"> <li>■ <b>Towong Shire:</b> Many roads were closed and bridges damaged.</li> <li>■ <b>Towong:</b> The Murray River Bridge at Towong was closed for two days.</li> <li>■ <b>Jingellic:</b> Flooding of low-lying areas, including the camping ground, which was covered by 2 meters of water. Nearly all roads were cut off.</li> <li>■ <b>Walwa:</b> Homes on O'Halloran Street isolated by floodwater. Caravan park, golf course, and football ground flooded, caravan park evacuated.</li> </ul>
7.51m	<b>1974 flood event</b>
<b>7.50m</b>	<b>Major flood level</b>
7.32m	<b>1975 flood event</b>
	<b>September 2010 flood event</b>
7.11m	<ul style="list-style-type: none"> <li>■ Warm rain falling on snow added to this flood.</li> <li>■ <b>Walwa:</b> Caravan Park evacuated.</li> </ul>
7.04m	<b>2022 flood event (November)</b>
6.55m	<b>1955 flood event</b>
5.90m	<b>2021 Flood event (September)</b>
5.76m	<b>2022 Flood event</b>
5.67m	<b>2016 Flood event (October)</b>
5.64m	<ul style="list-style-type: none"> <li>■ <b>Jingellic:</b> Riverside camping ground starts to flood</li> </ul>
<b>5.50m</b>	<b>Moderate flood level</b>
5.50m	<ul style="list-style-type: none"> <li>■ Water impacts access to Walwa Riverside Caravan Park and Burrowye Reserve and Kennedys Reserve Camping Area.</li> </ul>
5.15m	<ul style="list-style-type: none"> <li>■ <b>Tintaldra and Towong:</b> River Road in Victoria closed.</li> </ul>
5.00m	<ul style="list-style-type: none"> <li>■ <b>Tintaldra, Towong and Ournie:</b> Water starts flowing over River Road in Vic</li> </ul>
<b>4.00m</b>	<b>Minor flood level</b>

## Flood gauges in the Upper Murray

Eight river height gauges in the Upper Murray region monitor river levels and may be used for flood warnings.

A supplementary guide offering detailed information on these gauges is available at [ses.vic.gov.au/plan-and-stay-safe/flood-guides/towong-shire-council](https://ses.vic.gov.au/plan-and-stay-safe/flood-guides/towong-shire-council).



## Your local services

### Catchment Management Authority

For general advice about flooding and controls on planning scheme amendments.

- **North East Catchment Management Authority**  
[necma.vic.gov.au](https://necma.vic.gov.au) | 1300 216 513

### Local Council

For relief support after a flood event and general land use planning.

- **Towong Shire Council**  
[towong.vic.gov.au](https://towong.vic.gov.au) | 1300 365 222



Walwa 2012

Floodwater can be very deep, rise quickly and move fast. **Stay safe by avoiding flooded areas.**

# Plan and prepare for floods

## 1 How to stay informed

VicEmergency is Victoria's source of emergency information and warnings.

- Set-up a watch zone for your area for alerts when warnings are issued.
- Learn about the three different warning levels.



VicEmergency app  
[emergency.vic.gov.au](https://emergency.vic.gov.au)  
1800 226 226



vicemergency



@vicemergency



## 2 Make an Emergency Plan

Use information from your Local Flood Guide and your Catchment Management Authority, to help you decide;

- What you will do in a flood emergency
- When you will do it
- Who you will inform



Red Cross RediPlan is a free tool that helps you create a simple emergency plan that supports the flood actions you have chosen.

- Visit [redcross.org.au/prepare](https://redcross.org.au/prepare)
- Download the [Get Prepared](#) app

## 3 Prepare an emergency kit



You may need to stay safe for 72 hours in a disaster before help arrives. Make sure you have safe drinking water, food, and any special needs or medications for all family.



There will be extra items to be added to your emergency kit in an emergency like clothes, a phone and charger.



Watch a video on how to get your Emergency kit ready.

[youtu.be/XgyLnKDMkNo](https://youtu.be/XgyLnKDMkNo)

## 4 Reduce impacts to your property

- Keep gutters and drains clear of debris including leaves and any other items.
- Check your building and contents insurance, what kind of flooding does it cover?
- Move your valuable possessions up high.
- Back up important files and documents to a cloud storage or USB kept elsewhere.
- Identify higher ground on or around your property, away from the danger area.
- Consider buying sand and sandbags ahead of time, refer to our Sandbag Guide for more information.



For more details and other tips, visit:  
[ses.vic.gov.au/flood](https://ses.vic.gov.au/flood)



# What to do in a flood emergency

## When to call VICSES



 **Flood emergency assistance call VICSES 132 500**

 **If life threatening call triple zero 000**

## Stay Informed

### VicEmergency

Emergency warnings will provide information on what is happening and advice of what you should do.

**You may not receive an official warning before a flood.**



VicEmergency app  
[emergency.vic.gov.au](https://emergency.vic.gov.au)  
1800 226 226



vicemergency @vicemergency



- Set-up a watch zone for alerts for your area.

### Bureau of Meteorology



Monitor rainfall, river levels, weather forecasts/warnings.

[bom.gov.au/vic/flood/north\\_east.shtml](https://bom.gov.au/vic/flood/north_east.shtml)

### Emergency broadcasters



Radio | ABC 106.5 FM, ABC 99.7 FM, 2AY 1494 AM

TV | Sky News

## If you expect floodwater at your property

1



### Bag it

Sandbag doorways and low-lying windows to slow floodwater entering your home.

2



### Block it

Block toilets, bath and drains using a sandbag ideally placed inside a plastic rubbish bag.

3



### Lift it

Put your valuables and electrical items as high as possible. Turn off power, gas, and water at the mains.

4



### Leave

- Leave **before** the flood arrives.
- Check warnings from VicEmergency for information like evacuation or relief centres, and road closures.
- Travel to the home of family or friends who are in a safe location, away from the flooded area.

### Take your emergency kit and add the items below:



Phone & charger



Prescriptions & medication



Clothes for your family



Strong shoes



Pet needs

## Never drive through floodwater

Large



A Large 4WD can be moved by water only 45cm deep.

Small



A small car can be moved by water only 15cm deep.



For more details and other tips, visit:

[ses.vic.gov.au/flood](https://ses.vic.gov.au/flood)



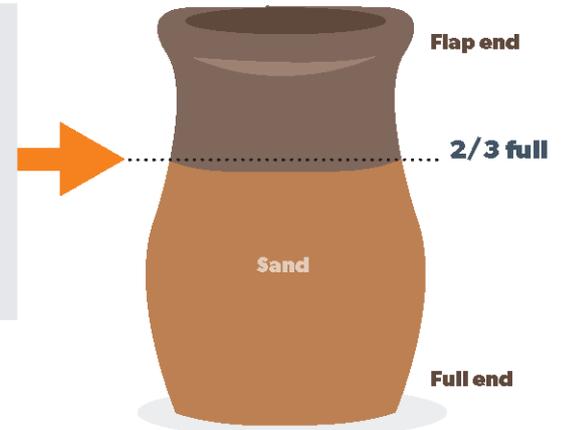
# Sandbagging

## Protecting your home

Sandbags won't stop the water completely, but can reduce the amount of water entering your home.

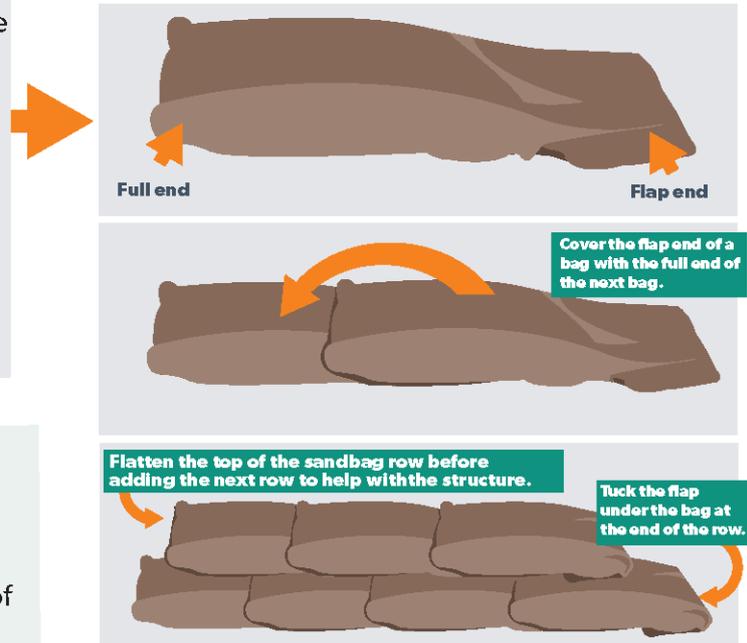
### How do I fill a sandbag?

- Only use sand to fill hessian bags. Do not use dirt.
- Only fill sandbag two-thirds full.
- Do not over fill the sandbag as it will be too heavy to carry.
- Do not tie the top of the sandbag.
- Take care when filling and lifting the sandbag, to avoid injury.



### How do I lay sandbags?

- Lay sandbags like brickwork. Stagger rows so that the joins do not line up.
- Start at one end and work to the other end.
- Ensure the unfilled part of the bag is covered by the next bag.
- Tuck flap under the bag at the end of the row.
- If the sandbag wall is going to be more than five (5) bags high, you will need to lay two (2) rows wide.



### Where do I place the sandbags?

- Place sandbags in plastic bags to cover drainage holes in home (e.g. showers, toilets, sinks) to stop back flow of water.
- Place a small wall across doorways, at least the height of the expected water level. Be careful not to trap yourself inside.
- If available, plastic sheeting may be used under sandbags to reduce the seepage.

#### Block it

Toilets, bath and all drain holes



### What do I do once I have finished with the sandbags?

- Sturdy gloves should be worn when handling wet sandbags as they can contain chemicals, waste and diseases.
- Sandbags that have been in contact with floodwater need to be thrown away.
- Contact your local council to find out how to dispose of your sandbags safely.



# Sandbags and sand

## Preparing your home

Having sandbag supplies ready can assist you before a flooding emergency occurs.



### What supplies do I need to sandbag my home?

- Sandbags
- Sand
- Plastic sheeting
- Gloves and safety goggles
- Shovel or hand scoop

### Where can I purchase these supplies?

- Many sandbag supplies can be purchased from hardware stores or garden centers.
- VICSES do not routinely supply sandbags to households.
- During floods, sandbag distribution points may be established in flood-affected areas.

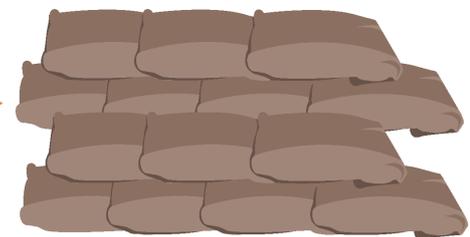


### How many sandbags will I need and how much sand?

- Most homes can be protected by less than 25 sandbags.
- The number of sandbags will depend on your local flood risk and availability.
- Sandbags are filled 2/3 full which requires around 15-20kgs of sand per bag.

### How do I store my sand and sandbags?

- Filled sandbags only have a short shelf life.
- It is recommended to store sandbags empty.
- Sandbags should be stored in a cool dry area away from UV light.
- Sand should be kept dry and can be stored in water-resistant containers or under a tarp.
- Sand is heavy - ensure it is stored so it can be moved safely.



### When should I sandbag my home?

- **You** are best placed to decide if there is a need to sandbag your home, based on local knowledge and past flood events.
- Monitor your local conditions. Stay up-to-date with weather forecasts and warnings by downloading the **BOM Weather** and **VicEmergency** apps, or call the VicEmergency Hotline on 1800 226 226.
- If you think you are at risk, do not wait for an official warning to act.