



Local Flood Guide

City of Casey

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

Contents

■ Local flood information	<u>Page 3</u>
Why does City of Casey flood?	<u>Page 3</u>
How do floods impact communities?	<u>Page 3</u>
Check your home, work, and travel routes for floodwater	<u>Page 4</u>
What might happen in a flood in your area?	<u>Page 5</u>
What Department of Transport roads are likely to flood?	<u>Page 6</u>
What local council roads are likely to flood?	<u>Page 7 –10</u>
Previous flood impacts	<u>Page 11</u>
Your local services	<u>Page 11</u>
■ Plan and prepare for floods	<u>Page 12</u>
■ What to do in a flood emergency	<u>Page 13</u>
■ Sandbag Guide	<u>Page 14</u>



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

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



For more information visit: ses.vic.gov.au/plan-and-stay-safe

Local flood information

Suburbs within the City of Casey area that are most likely to be impacted during a flood event are:

- | | | | |
|-----------------|--------------------|-------------------|----------------|
| ■ Beaconsfield | ■ Clyde North | ■ Endeavour Hills | ■ Lynbrook |
| ■ Berwick | ■ Cranbourne | ■ Eumemmerring | ■ Lyndhurst |
| ■ Blind Bight | ■ Cranbourne North | ■ Hallam | ■ Narre Warren |
| ■ Cannons Creek | ■ Cranbourne West | ■ Hampton Park | ■ Tooradin |
| | | | ■ Warneet |

 <p>There have been four significant flood events in the City of Casey between 2011 and 2024.</p>	 <p>On the 5th February 2011, a 1 in 500 year flood event (likely to occur only once in 500 years) took place.</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 City of Casey flood?

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

- 14% of the municipality is classified as flood prone.
- High density property development has been built on flat areas, next to river streams, and paths where water naturally flows.
- The City of Casey contains areas with outdated drainage systems built before 1970 that do not meet current standards. New property development in these areas raises the risk of flood.
- Eumemmerring Creek, Dandenong Creek and Cardinia Creek are three major waterways that run through Casey. Information on potential flooding impacts for Dandenong Creek is on [page 5](#).



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

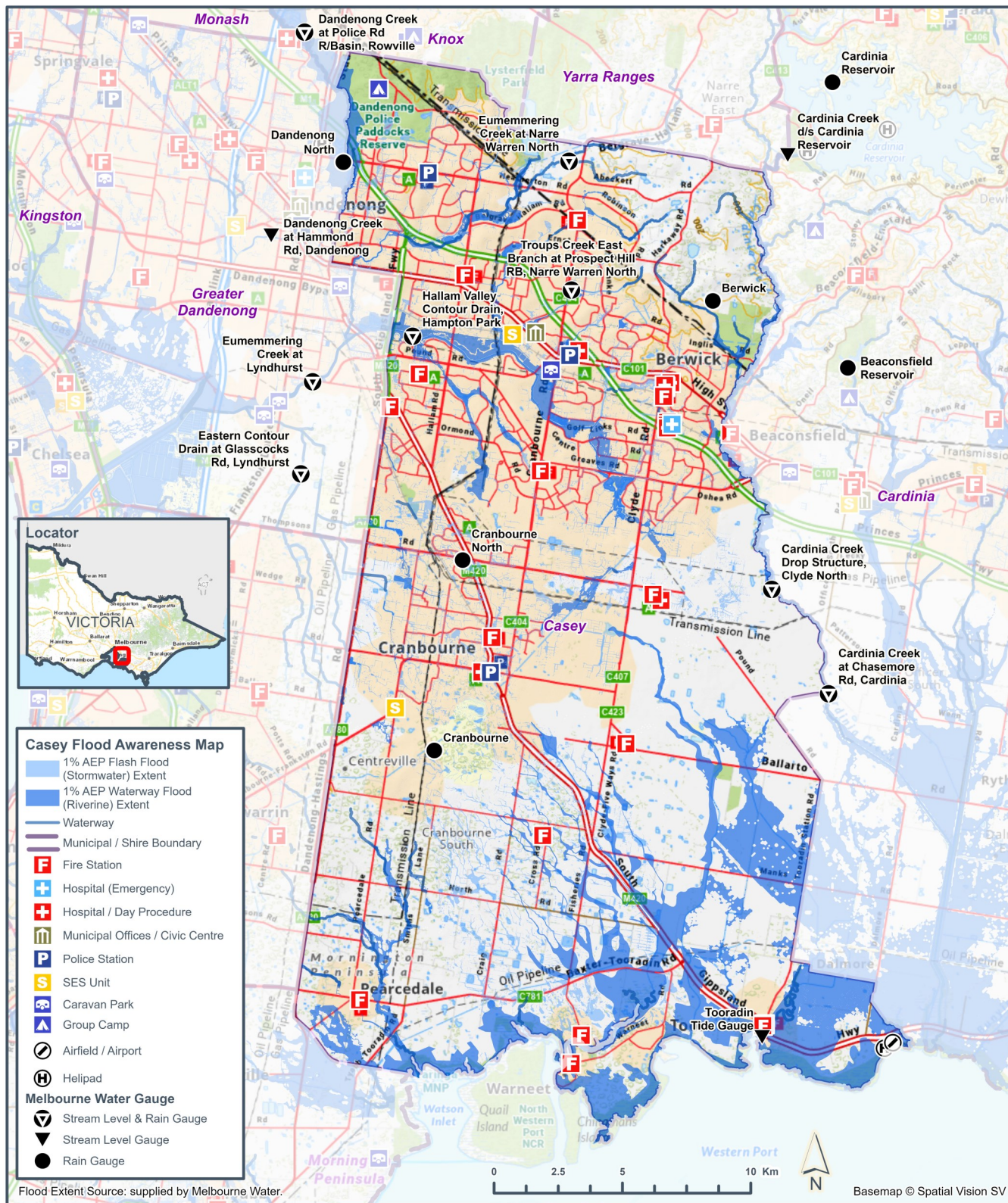


Sewage overflows inside building

Check your home, work, and travel routes for floodwater

If this map shows potential flood risk for you, plan ahead. See [page 8](#) for details.

This map shows the area likely to flood in a significant flood event. 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?

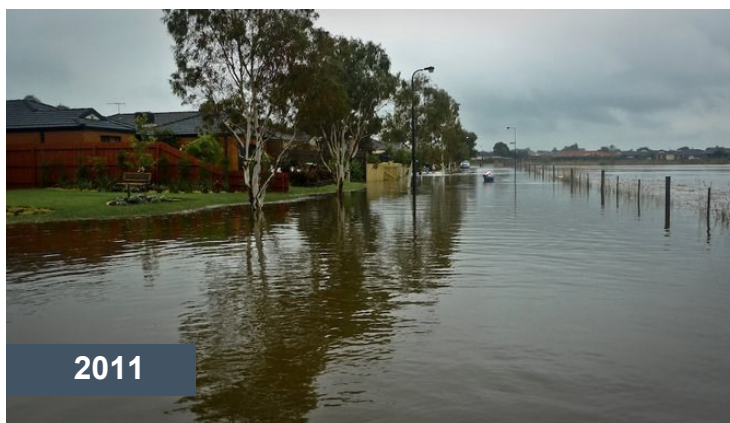
Although no two floods are the same and the environment is constantly changing, the below table provides an idea of what to expect at different flood heights.

- **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)	Potential impacts for Dandenong Creek at Police Road retarding basin
5.69m	Highest recorded flood 18 th September 1984
5.5m	Major flood level <ul style="list-style-type: none"> ■ Dandenong Creek Trail flooded at various sections ■ Myuna Farm on Kidds Road, Doveton likely to be impacted ■ Water over road at Brady Road, Endeavour Hills at Dandenong Creek Bridge
5.0m	Moderate flood level <ul style="list-style-type: none"> ■ Height of Levee on southern side of Heatherton Road ■ Bus Route 695 impacted by flooding along Heatherton Road ■ Water over road at Heatherton Road, Doveton between Stud Road and Monash Freeway possibly flooded
4.6m	Minor flood level <ul style="list-style-type: none"> ■ Water over road at Heatherton Road, Doveton between Stud Road and Monash Freeway possibly flooded depending on flows over the Police Road Retarding Basin spillway

^This table includes information from previous flood events and flood studies, which are scientific models used to predict impacts at different flood heights and flows.



Floodwater can be very deep, rise quickly and move fast.

Stay safe by avoiding flooded areas.

What Department of Transport roads are likely to flood?

During a significant 1% AEP flood, as shown on the map on [page 4](#), the roads listed below may become flooded and could be closed.

For current road closures, check [VicTraffic](#). [VicEmergency](#) may include road closures in its warnings, see [page 12](#) for more information.

The following roads are subject to closure during flooding around the City of Casey within a 1 in 100-year (1%) flood event:

- Cameron Street at Bakewell Street, Cranbourne
- Clyde Road, Berwick at Chisholm Berwick TAFE
- Cranbourne Road, Narre Warren at Railway Underpass
- Cranbourne Road, Narre Warren between Saxonwood Drive and Gold Links Road
- Hallam Road Hallam
- Heatherton Road, Doveton and Dandenong Creek between Stud Road and Monash Freeway
- Monash Freeway southbound at Heatherton Road on-ramp
- Pound Road east bound, Hampton Park between Verona Drive and Oaktree Drive
- Western Port Highway at Wedge Road, Cranbourne West
- Princes Highway east bound, Berwick west of Parkhill Drive
- Princes Highway east bound, Narre Warren at Narre Warren North Road
- Princes Highway east bound, opposite Vesper Drive
- Princes Highway, Berwick at Clyde Road
- South Gippsland Highway at Huon Park Drive, Cranbourne North
- South Gippsland Highway southbound lanes opposite Northey Road, Lynbrook
- South Gippsland Highway, Tooradin at Rutter Park Reserve
- Thompson Road at Berwick-Cranbourne Road, Clyde North



Stay safe by never driving through flood water. It can take just 15cm of flowing water to float a car, that's the height of an average pen.

What Local Council roads are likely to flood?

During a significant 1% AEP flood, as shown on the map on [page 4](#), the roads listed below may become flooded and could be closed.

The following roads are subject to closure during flooding around the City of Casey within a 1 in a 100-year (1%) flood event:

Berwick

- Ferncroft Court
- Howell Drive
- Lowanna Street
- Paddington Terrace
- Roxy Close

Cannons Creek

- Adeneys Road
- Albatross Court
- Craigs Lane
- Glenalva Parade

Cranbourne

- Alexander Street
- Arundel Street
- Averno Street
- Bruce Street
- Camms Road
- Central Parkway
- Chomley Street
- Cook Drive
- Cranbourne Drive
- Farrer Close
- Jane Maree Place
- Lillian Street
- Loch Street
- Marylyn Place
- Miller Court
- Monahans Road
- Pepperbush Circuit
- Sladen Street
- Stafford Avenue
- Station Street
- Taddor Drive
- Taylor Street
- Toirram Crescent
- Valepark Crescent
- Walter Street
- Wang Street
- William Street



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The following roads are subject to closure during flooding around the City of Casey within a 1 in a 100-year (1%) flood event:

Cranbourne North

- Blaxland Avenue
- Elizabeth Street
- Ellery Court
- Endeavour Drive
- Foxglove Court
- Heywood Crescent
- Hoysted Avenue
- Hume Court
- Huon Park
- Iris Close
- Kent Court
- Lawless Drive
- Macquarie Court
- Rachel Drive
- Rebecca Court
- Stirling Avenue
- Strzelecki Court
- Sturt Court
- Wentworth Street
- Wills Court

Cranbourne West

- Breamlea Way
- Carina Terrace
- Duff Street
- Evans Road
- Jacinta Drive
- Miralie Way

Doveton

- Betula Street
- Heath Court
- Lacebark Street
- Laurina Court
- Liquidamber Street
- Peach Court
- Rowan Drive
- Sheoak Street
- Waratah Street
- Wattle Drive



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The following roads are subject to closure during flooding around the City of Casey within a 1 in a 100-year (1%) flood event:

Endeavour Hills

- Amalfi Drive
- Chalcot Drive
- James Cook Drive
- John Hunter Drive
- Kennington Park Drive
- Lauriston Drive
- Matthew Finders Avenue
- Mossgiel Park Drive
- Nadia Court
- Newmill Close
- Parkside Boulevard
- Roberts Court
- Shetland Street
- Thomas Mitchell Drive

Eumemmerring

- Lace Street

Hallam

- George Avenue
- Centre Road / Hallam Road
- Hallam Road / Sommerville Road

Lynbrook

- Andretti Avenue
- Cato Parkway
- Evans Road
- Lemon Thyme Way
- Paterson Drive
- Ratcliffe Way
- Rowcroft Avenue
- Thiele Court
- Zain Street

Lyndhurst

- Bluemist Circuit
- Delegate Circuit



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What Local Council roads are likely to flood?

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The following roads are subject to closure during flooding around the City of Casey within a 1 in a 100-year (1%) flood event:

Tooradin

- Arthur Ayres Road ■ Bakewell Street ■ Bayview Road ■ Dalmore Road
- Dore Road ■ Foreshore Road ■ Harewood Mains Road ■ Harewood Street
- Hopetoun Road ■ Inlet Parade ■ Lyall Street ■ Lyne Street
- Matthew Street ■ Mickle Street ■ Monomeith Street ■ Swan Street
- Tooradin Station Road ■ Yallock Street

Warneet

- Banks Street ■ Bungadool Street ■ Cooinda Street ■ Culgoa Street
- Rutherford Parade



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Previous flood impacts

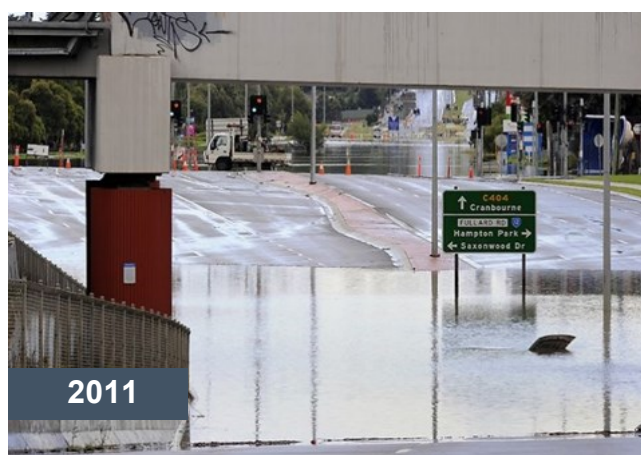
While no two floods are the same, understanding the impacts of past floods can help you anticipate impacts of future flood events.

February 2020 Flood

- Flash flooding across Berwick, Clyde North, Cranbourne, Cranbourne North, Cranbourne West, Eumemmerring, Hallam, Hampton Park, Lynbrook, and Narre Warren
- 24 properties were impacted

March 2017 Flood

- Flash flooding across Berwick, Cranbourne, Cranbourne North, Cranbourne West, Endeavour Hills, Hallam, Hampton Park, Lynbrook, and Narre Warren
- 17 properties were impacted



February 2011 Flood

- 103 properties were heavily damaged, with residents either evacuated or relocated
- Over 600 residential households, 10 aged care facilities and a large number of businesses significantly impacted
- Prolonged road closures

December 2016 Flood

- Flash flooding across Berwick, Cranbourne, Eumemmerring, Hallam, Hampton Park, Lynbrook, and Narre Warren
- 32 properties were impacted

Your local services

Catchment Management Authority

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

- Melbourne Water**
melbournewater.com.au | 13 17 22

Local Council

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

- City of Casey**
casey.vic.gov.au | 03 9705 5200

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
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
- 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

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.

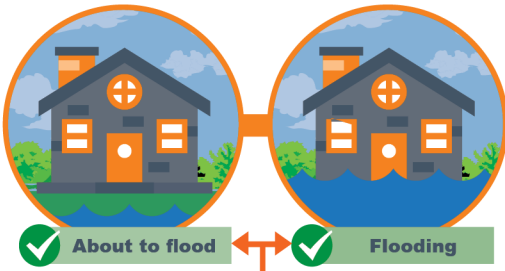


For more details and other tips, visit:
ses.vic.gov.au/flood



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
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/melbourne.shtml

Emergency broadcasters



Radio | ABC 774 AM, 3AW 693 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.

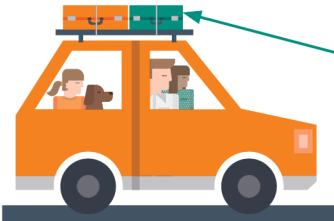
3



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:



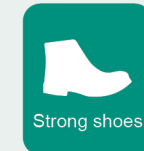
Phone & charger



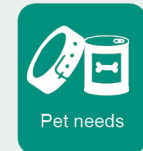
Prescriptions & medication



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

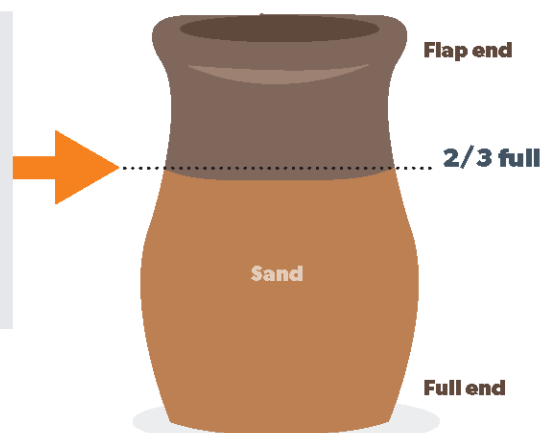
Sandbagging

Protecting your home

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

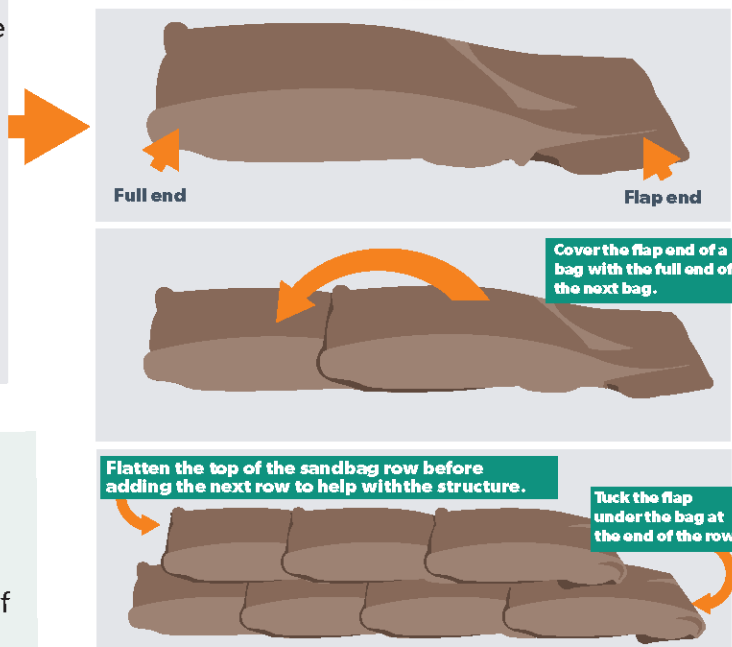
How do I fill a sandbag?

- 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.

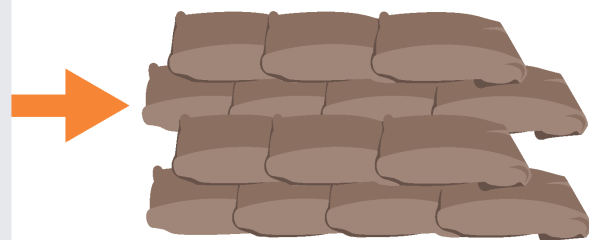


How many sandbags will I need and how much sand?

- 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.

