



Local Flood Guide

Aspendale to Bonbeach

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



FLOOD STORM
EMERGENCY **132 500**



If life threatening
call triple zero 000

Contents

■ Local flood information	<u>Page 3</u>
Why does Aspendale to Bonbeach 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 roads are likely to flood?	<u>Page 6</u>
Your local services	<u>Page 6</u>
■ Plan and prepare for floods	<u>Page 7</u>
■ What to do in a flood emergency	<u>Page 8</u>
■ Sandbag Guide	<u>Page 9</u>



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

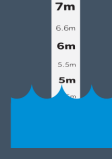
Local flood information

This information is relevant to residents of the following suburbs.


- Aspendale
- Bonbeach
- Chelsea
- Aspendale Gardens
- Chelsea Heights
- Edithvale



There have been five significant flood events in Aspendale to Bonbeach between 1934 and 2020.



The February 2011 flood was an extreme event that caused widespread impacts across the area. Most local roads were covered by floodwater between 100–500 millimetres deep.



Flooding in Aspendale and Bonbeach can occur quickly, leaving little time for preparation. It's important to remain aware and take steps to be ready in case of sudden changes weather conditions.

Why does Aspendale to Bonbeach 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.

- Moderate to heavy rainfall, coupled with a high or incoming tide from Port Phillip Bay can exacerbate flooding within the municipality or create areas of flooding in and around the drainage network.
- Due to the proximity of Kingston to Port Phillip Bay and its flat terrain, tidal flows from Port Phillip Bay may reduce the capacity of the stormwater drains to discharge runoff back into the bay, while extreme storm events can cause backflow to the point where water surcharges back above ground around the drainage pits and channels.
- Elevated water levels are likely in Mordialloc Creek and Patterson River during a storm surge event. Drainage systems such as the Centre Swamp Drain, Heatherton Drain, Mordialloc Settlement Drain, Braeside West Drain & Whatley's Drain may have a reduced ability to discharge stormwater into the two waterways due to the increased water levels.



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



Power outages



Mobile and internet network

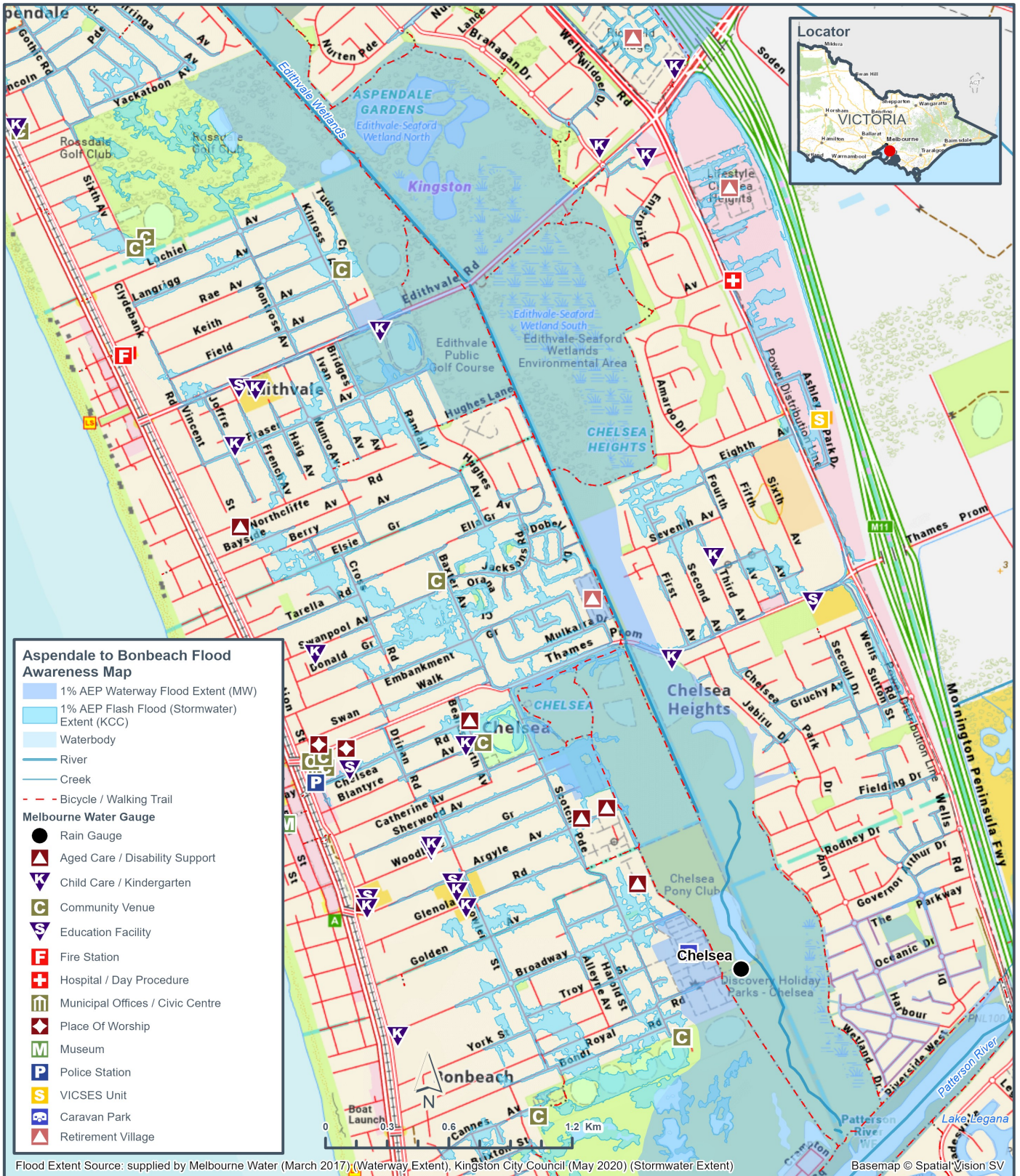


Sewage overflows inside building

Check your home, work, and travel routes for floodwater

If this map shows potential flood risk for you, ensure you take action to **plan and prepare for floods**. See [page 7](#) for more information.

- 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?

Properties with a flood risk:

- **City of Kingston:** Approximately 20% of properties within the municipality have some level of flood risk during heavy rainfall.
- **Aspendale, Bonbeach, Chelsea, Edithvale:** All residents can expect some localised flooding, which refers to flooding confined to a specific area. The lower-lying areas further from the coast are more likely to experience significant levels of flooding.
- **Lower risk:** Properties with a lower risk of flooding include those closer to the railway line and in the newer suburbs.

Areas of risk from tidal flooding and storm surges:

- Patterson Lakes and Carrum if any of the three tidal gates along Patterson River were to fail
- Mordialloc Creek Marina with access to Lambert Island potentially cut via footbridge
- J. Grut Reserve in Mordialloc
- Wetlands in Braeside and Waterways north of Mordialloc Creek
- Beaches between Mentone in Beaumaris Bay to Carrum at Eel Race Road

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



Minor impacts

- Water spilling over river banks and nearby low lying areas.
- Water coming up through drains in nearby streets.
- Cover minor paths, tracks, and low level bridges.
- Some back yards impacted and buildings impacted below floor level



Moderate impacts

- Water spilling over river banks and covering larger areas of land.
- Water above floor level in some houses and buildings.
- Evacuation may be required in some areas.
- Impact to roads and traffic routes.



Major impacts

- Widespread flooding.
- Many houses and businesses are inundated above floor level.
- Properties and whole areas may be isolated.
- Major roads and rail routes closed.
- Require many evacuations.
- Impact to utility services (water, power, sewerage).

What roads are likely to flood?

During a flood, the below roads may flood and could be closed.

For current road closures, check [VicTraffic](#). [VicEmergency](#) may include road closures in its warnings, see [page 8](#) for more information.

Aspendale

- Albany Crescent
- Elanora Court
- Fourth Avenue
- Karingal Crescent
- Mill Street
- Sixth Avenue
- Wongella Court
- Yackatoon Avenue
- Yallambee Avenue

Aspendale Gardens

- Joelle Court
- Edithvale Road

Bonbeach

- Bondi Road
- Broadway
- Crown Road
- Derby Parade
- Harold Street
- Mernda Avenue
- Royal Road
- Scotch Parade
- Toulon Court
- Troy Street

Chelsea

- Bardoel Court
- Baxter Avenue
- Baxter Court
- Beardsworth Avenue
- Chelsea Road
- Cross Road
- Elsie Grove
- Embankment Grove
- Glenola Road
- Kangaroo Road
- Mulkarra Drive
- Orana Crescent
- Scotch Parade
- Sherwood Avenue
- Stayner Street
- Thames Prom

Chelsea Heights

- Amron Street
- Ashley Park Drive
- Broadbent Court
- Dunscombe Place
- Eighth Avenue
- Hartwood Court
- Lysander Court
- Neptune Street
- Ninth Avenue
- Norman Avenue
- Seccull Drive
- Second Avenue

Edithvale

- Bayside Avenue
- Berry Avenue
- Fraser Avenue
- Kinross Avenue
- Langrigg Avenue
- Lochiel Avenue
- Randall Avenue



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.

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 Kingston**
kingston.vic.gov.au | 1300 653 356

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.

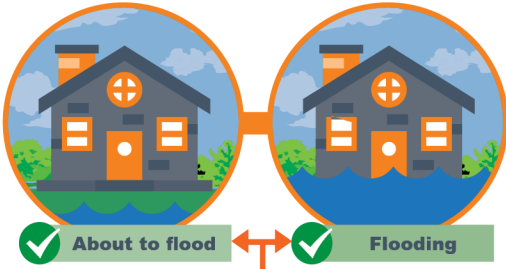



For more details and other tips, visit:
ses.vic.gov.au/flood



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.

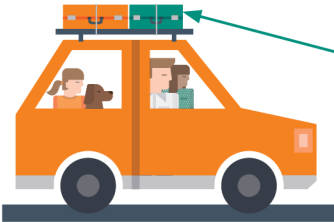
3



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:



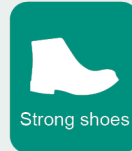
Phone & charger



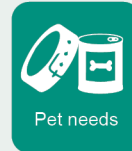
Prescriptions & medication



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

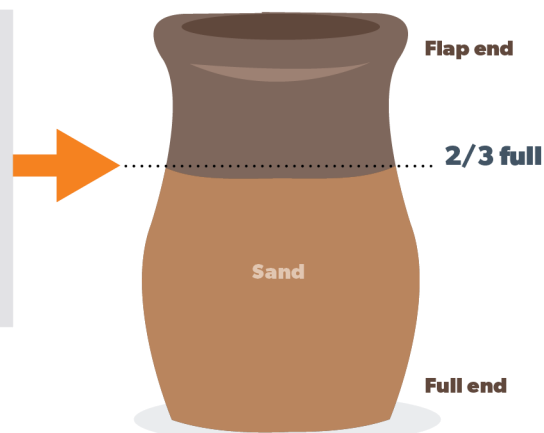


Sandbagging

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

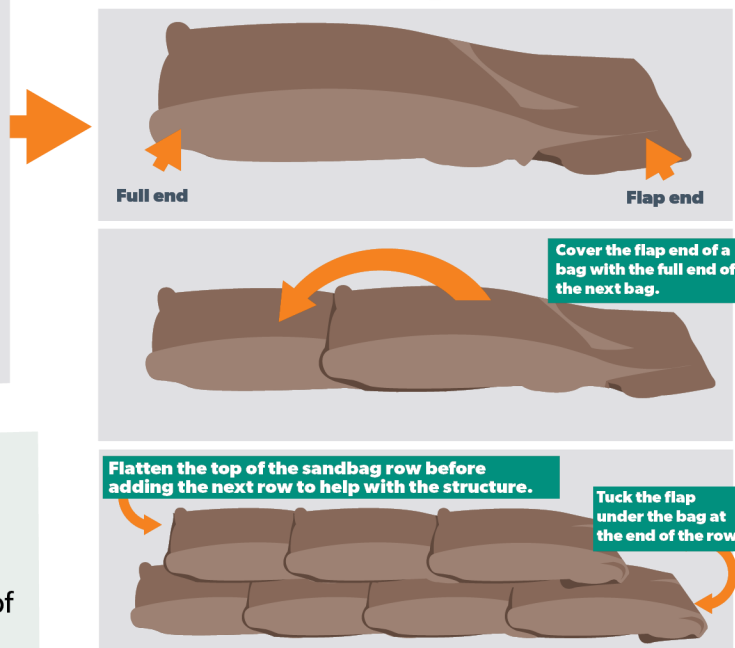
How do I fill a sandbag?

- 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.

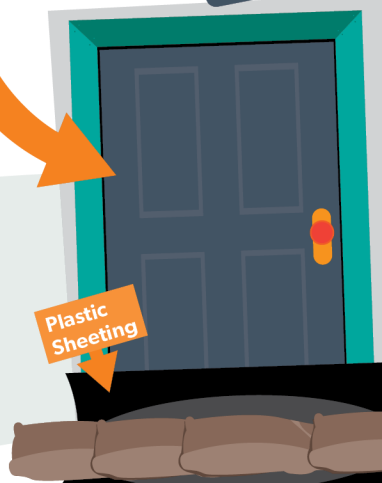


Where do I place the sandbags?

- 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.

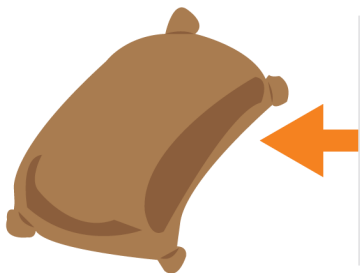


What supplies do I need to sandbag my home?

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

Where can I purchase these supplies?

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

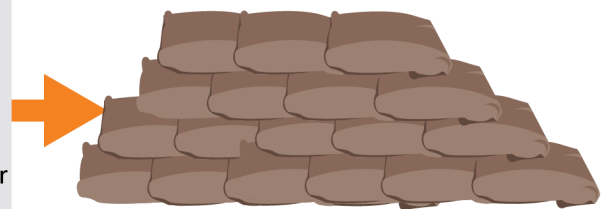


How many sandbags will I need and how much sand?

- 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.