

Hastings Unit - Jan 2024



# Local Flood Guide

## *Mornington & Mount Martha*

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

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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.

**Reviewed: April 2025**

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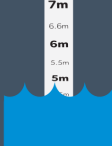

For more information visit: [ses.vic.gov.au/plan-and-stay-safe](https://ses.vic.gov.au/plan-and-stay-safe)



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## Local flood information

|   |   |
|---|---|
|    | <p>The main waterways in Mornington and Mount Martha are Tanti Creek and Fishermans Creek.</p>                    |
|    | <p>There have been 4 significant flood events in the Mornington and Mount Martha areas between 2010 and 2022.</p> |
|  | <p>Historic records show large floods occur on average every 10-20 years in the area.</p>                         |

## Why does Mornington and Mount Martha flood?

Mornington and Mount Martha is at risk of both **flash flooding** and **storm surge**. No formal pumping stations or levees exist around Mornington and Mount Martha.

### Flash flooding

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

- Some localised short-duration isolation may occur due to flash flooding.

### Storm surge

- Tidal flows from Port Phillip Bay or Western Port Bay may reduce the capacity of the stormwater drains to discharge runoff back into the bay.
- Extreme storm events may result in backflow water returning above ground around the drainage pits and channels.

## How do floods impact communities?

Even if your home or workplace stays dry, floods can impact you in many ways. Essential infrastructure, roads and residential properties, including multiple retirement villages, have historically been impacted by flood events.



Buildings flooded



Road closures



Drinking water supply and quality affected



Power outages



Mobile and internet network

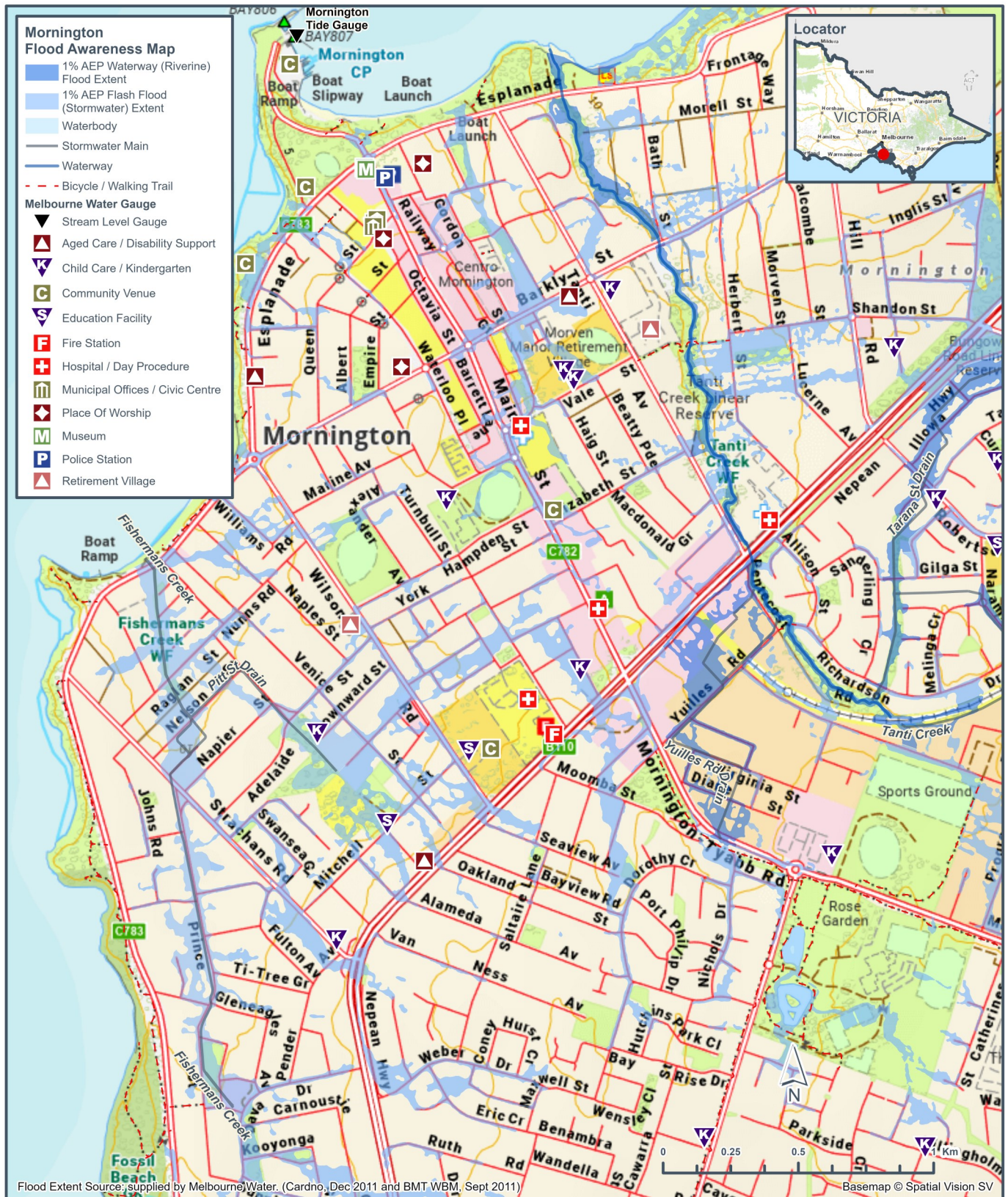


Sewage overflows inside building

## 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 8](#) for details.

- This map below shows possible flooding in a 1% flood in **Mornington**.
- 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.





## 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 8](#) for details.

- This map below shows possible flooding in a 1% flood in **Mount Martha**.
- 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 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.
- Essential infrastructure that may be impacted is the Bays Hospital on Eastern Ring Road.



### 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)



*Talinga Court, Mornington, 1 December 2017. Photo credit William Walker (MPS)*

## What roads are likely to flood?

During a significant 1% AEP flood, as shown on the map on [pages 4](#) and [5](#), the roads listed below may flood and could be closed.

### Mornington

- |                              |                         |                     |
|------------------------------|-------------------------|---------------------|
| ■ Adelaide Street            | ■ Barkly Street         | ■ Dava Drive        |
| ■ Downward Street            | ■ Eastern Ring Road     | ■ Esplanade         |
| ■ Murray Street              | ■ Mornington—Tyabb Road | ■ Nelson Street     |
| ■ Nepean Highway (slip lane) | ■ Neptune Street        | ■ Nuns Road         |
| ■ Pitt Street                | ■ Prince Street         | ■ Rodney Court      |
| ■ Seaview Avenue             | ■ Schnapper Point Drive | ■ Separation Street |
| ■ Strachans Road             | ■ Sunningdale Avenue    | ■ Wood Street       |
| ■ Yacht Court                |                         |                     |

### Mount Martha

- |                   |                 |                 |
|-------------------|-----------------|-----------------|
| ■ Cromdale Street | ■ Johns Road    | ■ Mulsanne Way  |
| ■ Osborne Drive   | ■ Raglan Street | ■ Riordan Court |
| ■ Seachange Court | ■ Webb Street   | ■ Weber Drive   |
| ■ Yuilles Road    |                 |                 |



**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](http://melbournewater.com.au) | 13 17 22

### Local Council

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

- **Mornington Peninsula Shire**  
[mornpen.vic.gov.au](http://mornpen.vic.gov.au) | 1300 850 600



# Plan and prepare for floods

## 1 Stay informed

VicEmergency is Victoria's combined 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 issued when an emergency is likely to impact you.



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 and backs 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



Power bank



Radio



Drinking water



Spare batteries



Documents & records



First aid kit



Long life food



Torch



Gloves

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:

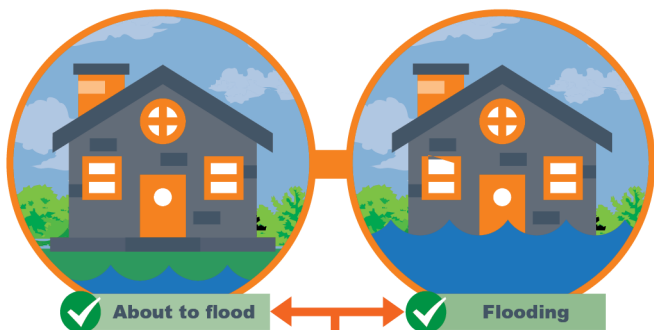
[ses.vic.gov.au/flood](https://ses.vic.gov.au/flood)





# What to do in a flood emergency

## Who to call for help



Call VICSES 132 500



If life threatening call triple zero 000

## Stay Informed

### VicEmergency

Warnings will be issued when an emergency is likely to impact you. They will provide information on what is happening and their best advice on what you should do.



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/melbourne.shtml](https://bom.gov.au/vic/flood/melbourne.shtml)

### Emergency broadcasters



Radio | ABC 774 AM, MyMP 1377 AM, 3RPP 98.7 FM  
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.

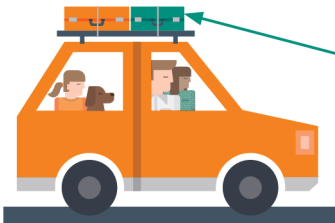
3



### 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:



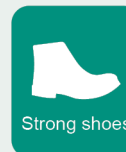
Phone & charger



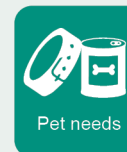
Prescriptions & medication



Clothes for your family



Strong shoes



Pet needs

## Never drive through floodwater

Large



A Large 4WD can be moved by water only 45cm deep.  
A 2.5 tonne car with water flow speed of 3.6km/h

Medium



A mid-sized car can be moved by water only 30cm deep.  
A 1.5 tonne car with water flow speed of 3.6km/h

Small



A small car can be moved by water only 15cm deep.  
A 1.05 tonne car with water flow speed of 3.6 km/h



For more details and other tips, visit:

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

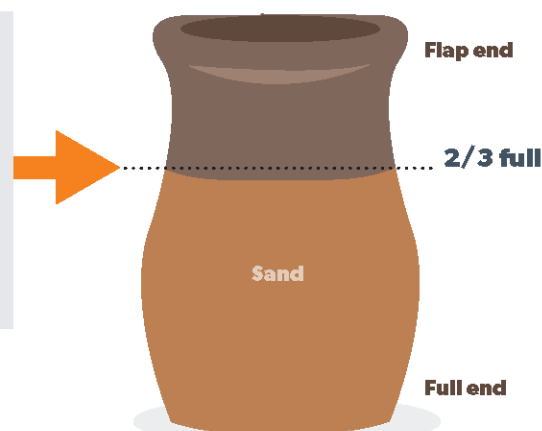
# Sandbagging

## Protecting your home

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

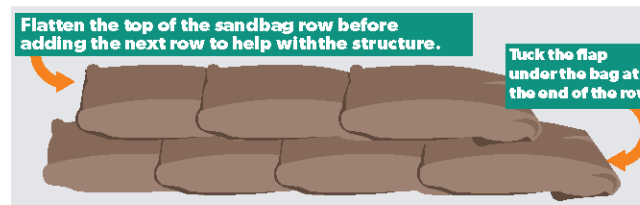
### How do I fill a sandbag?

- 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?

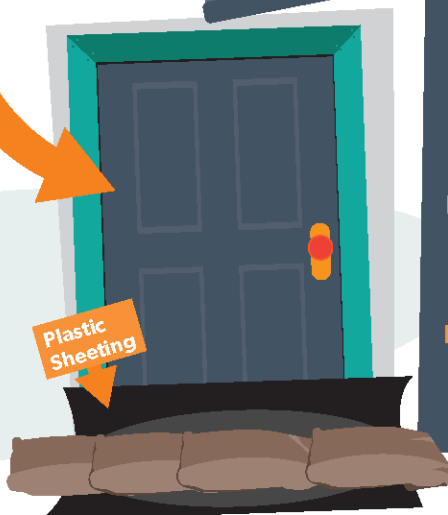
- Place sandbags in plastic bags to cover drainage holes in home (e.g. showers, toilets, sinks) to stop back flow of water.
- Place a small wall across doorways, at least the height of the expected water level. Be careful not to trap yourself inside.
- If available, plastic sheeting may be used under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

#### Block it

Toilets, bath and all drain holes



Plastic Sheeting



### 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.

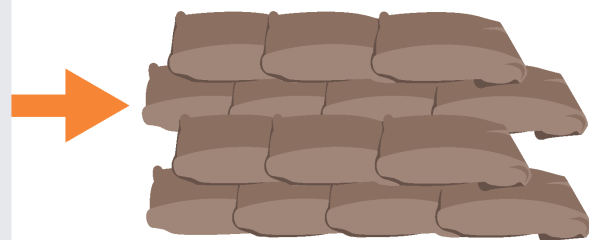


### How many sandbags will I need and how much sand?

- 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.

