



# Bayside Local Flood Guide



For flood emergency assistance call  
VICSES on **132 500**



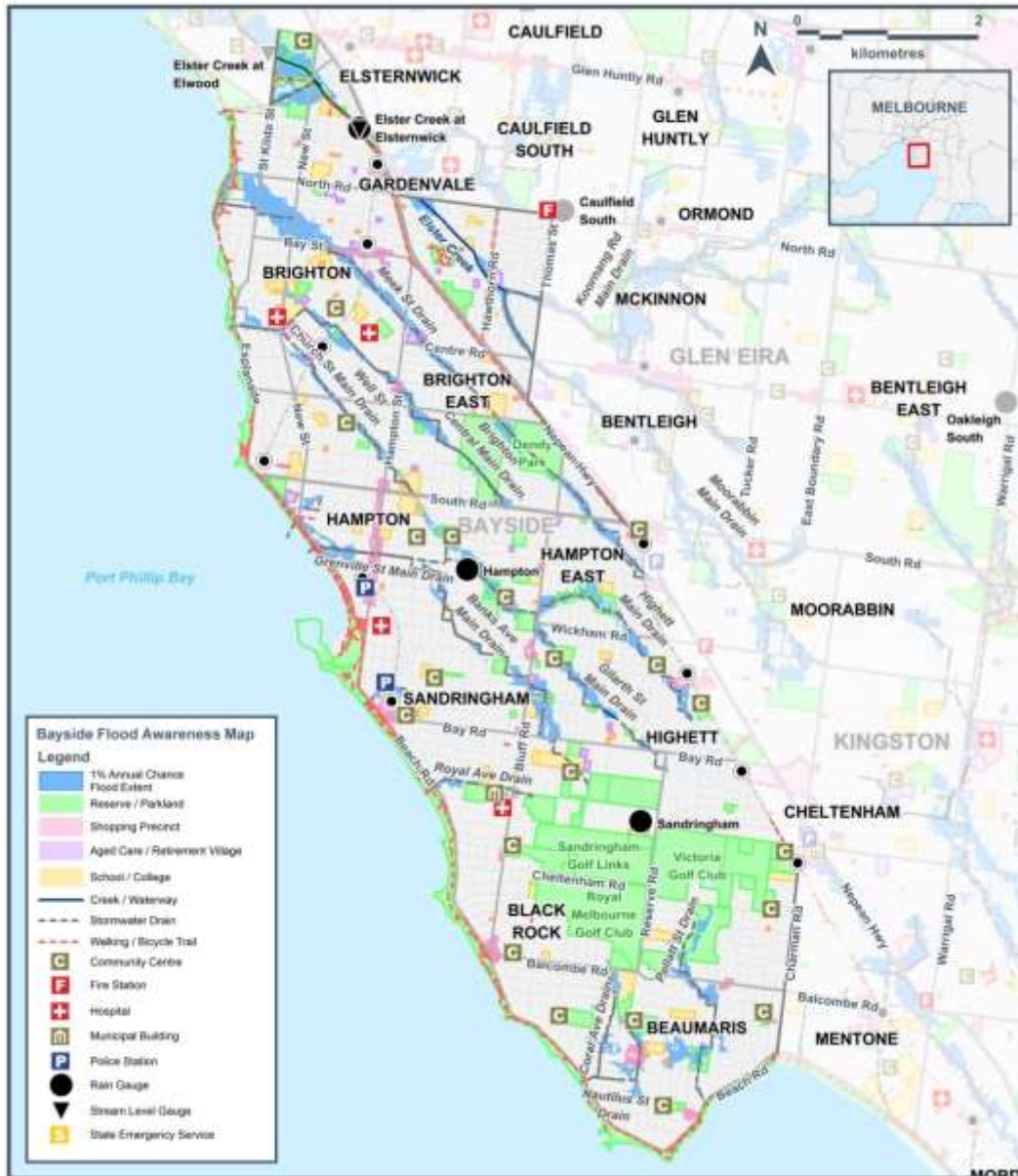


### Bayside

The City of Bayside is located south-east of Melbourne and is made up of nine suburbs within the municipality. Older areas of housing are located in the north of Bayside, and in coastal suburbs, such as Brighton, newer housing areas are in the south and inland

High intensity, short duration rainfall events can cause flash flooding in and around Bayside. The area sees moderate to slow water movement due to the relatively flat terrain in the region. Flooding may last a number of days due to ponding.

The following map 1% Annual Chance Flood Extent in Bayside.



#### Disclaimer

This map publication is presented by Victoria State Emergency Service for the purpose of disseminating emergency management information. The contents of the information has not been independently verified by Victoria State Emergency Service. No liability is accepted for any damage, loss or injury caused by errors or omissions in this information or for any action taken by any person in reliance upon it. Flood risk information is provided by Melbourne Water.



## Are you at risk of flood?



The City of Bayside is serviced by an extensive drainage network.

- In north **Bayside**, Elster Creek is the prominent watercourse in the area which flows into the Elsternwick Main Drain and then into Elwood Canal in the City of Port Phillip. High intensity, short duration rainfall events can cause flash flooding in and around **North Brighton** and **Brighton East**, while prolonged rainfall may see Elster Creek and Elsternwick Main Drain flood.
- The **Brighton, Hampton, Sandringham** and **Highbett** suburbs have no prominent open watercourses running through the area however are serviced by an extensive drainage network which include:
  - Meek Street Drain
  - Church Street Main Drain
  - Brighton Central Main Drain
  - Grenville Street Main Drain, Banks Avenue Main Drain
  - Highbett Main Drain
  - Gilarth Street Main Drain
  - Royal Avenue Drain.

During high intensity, short duration rainfall events flash flooding can occur in and around these areas.

- In **Beaumaris** and **Black Rock** there are no major watercourses running through the area, with all local drains flowing directly into Port Phillip Bay. These drains include the Coral Avenue Drain, Nautilus Street Drain, and the Pellatt Street Drain. High Intensity, short duration rainfall events can cause flash flooding in and around **Beaumaris** and **Black Rock**, while prolonged rainfall combined with an incoming tide may also contribute to flooding and even a backflow of water.

## Did you know?

The City of Bayside has a history of flooding, the most recent flood have occurred in: 2000, 2003, 2004, 2006, 2007, 2010 and 2011.

Another potential source of flooding is storm surges from Port Phillip Bay. There have been no recent occurrences of storm surges in Bayside since 1935. These events occurred along the shared Elwood Canal/Elster Creek waterway.



No two floods are the same, floods like this or worse could occur again.

If you live in a low-lying area you may be at risk of flooding or need to detour around flooded areas.

Knowing what to do can save your life and help protect your property.



## Road Closures

The following roads are subject to closure during flooding around Meek Street Drain, Brighton Central Main Drain and Hampton/ Highett/ Sandringham. Check the VicRoads website for more details:

[traffic.vicroads.vic.gov.au](http://traffic.vicroads.vic.gov.au)

### VicRoads Roads affected in a 1% Annual Chance Flood Extent

- Bay Road, Sandringham between Lansell Avenue and Noyes St
- Beach Road, Hampton between New Street and Willis Street
- Bluff Road, Hampton at Wickham Road
- Centre Road, Brighton East between Hampton Street and Davies Street
- Hampton Street Brighton East between Pine Street and Marriage Road
- Hampton Street Brighton at Were Street
- North Road Brighton between Begonia Road Brighton and Magnolia Road Brighton
- South Road Brighton East at St Leonards College and between Glencairn Avenue and Welwyn Avenue

### Bayside City Council Roads affected in a 1% Annual Chance Flood Extent

Brighton	Brighton East	Hampton	Hampton East	
Anne Crescent	Bourneville Avenue	Austin Road	Cooke Avenue	Herbert Street
Berwick Street	Canberra Avenue	Earlsfield Road	Crest Avenue	Highett Road
Bleazby Avenue	Dendy Street	Fewster Road	Dane Street	Holyrood Street
Champion Street	Dumaresq Street	Garden Street	Howitt Avenue	June Street
Chatsworth Avenue	Garden Avenue	Glamis Avenue	Keith Street	Lansell Avenue
Dendy Street	Glencairn Avenue	Grenville Street	Kelsall Court	Lawson Avenue
Durrant Street	Grant Street	Holyrood Street	King Street	Livingstone Street
Edgar Street	Killeen Avenue	Kerferd Street	Little Avenue	Marchant Street
Halifax Street	Laburnum Street	Kingston Street	Overend Close	Maroona Road
Hanby Street	Lucas Street	Ludstone Street	Parkview Crescent	Miller Street
Lawrence Street	Pine Street	May Street	Seaton Road	Moirra Avenue
Loller Street	Plantation Avenue	Poole Avenue	Spring Road	Morley Crescent
Male Street	Raymond Court	Porter Street	Summit Avenue	Muir Street
Maskell Street	Studley Road	Raynes Park Road	Terrens Close	Nicol Street
Meek Street	Tattong Road	Teddington Road	Wickham Road	Noyes Street
Munro Street	Walstab Street	Thomas Street	Widdop Crescent	Regworth Court
Nooks Court	Weatherly Grove	Thorburn Street	<b>Highett</b>	Wilson Street
Outer Crescent	Were Street	Wales Street	Advantage Road	Worthing Road
Park Street	<b>Cheltenham</b>	Willis Street	Clements Street	<b>Sandringham</b>
Pearson Street	Arnold Street		Dalmont Street	Duncan Street
Roslyn Street	Reserve Road		Frederico Street	George Street
Sheridan Court			Gilarth Street	Grange Road
Willansby Avenue			Graham Road	Kenneth Street
				Wangara Road





## Elster Creek flood levels at the Elsternwick Main Drain Gauge

When the Bureau of Meteorology (BoM) issues Flood Warnings they include a reading of the flood height at Elster Creek at the Elsternwick Main Drain Gauge. While no two floods are the same, the following table can give you an indication of what you could expect at certain heights, including when your access may be cut off and when your property may be affected.

Height (metres)	Impact/level
3.27 metres	November 1957 Flood level peak.
3.03 metres	A flood height of 3.03 metres has a 1% chance of occurring every 100 years every year. At this level, addition to the below, multiple residences and Coronation Street, Spink Street, Martin Street, Nepean Highway, and New Street in Brighton, and, Union Street, Rogers Avenue and Hawthorn Road, in Brighton East may be affected. The extent of a 1% flood can be seen on the map above on page 2.
2.94 metres	February 2011 Flood level peak.
2.9 metres	A flood height of 2.9 metres has a 2% chance of occurring every 100 years every year. At this level, in addition to the below, multiple residences and Thomas Street and Parklands Crescent in Brighton East could be affected.
2.78 metres	A flood height of 2.78 metres has a 5% chance of occurring every 100 years every year. At this level, addition to the below, Clinton Street in Brighton East, and properties may be affected.
2.66 metres	A flood height of 2.66 metres has a 10% chance of occurring every 100 years every year. At this level Beddoe Avenue and Clive Street in Brighton East may see water flowing onto the road.
<b>2.6 metres</b>	<b>Major flood level</b>
2.54 metres	January 1991 Flood level peak. 30.6 millimetres of rain fell in 2 hours leading to Elsternwick Main Drain to flood and 98 properties to be affected.
2.5 metres	A flood height of 2.5 metres has 20% chance of occurring every 100 years every year.
<b>2.3 metres</b>	<b>Moderate flood level</b>
<b>2.1 metres</b>	<b>Minor flood level</b>

### Staying Informed and Further Information

- Current warnings (VicEmergency) [emergency.vic.gov.au](http://emergency.vic.gov.au) 1800 226 226
- Bureau of Meteorology (BoM) [bom.gov.au/vic/warnings](http://bom.gov.au/vic/warnings) 1300 659 217
- VicRoads Traffic [traffic.vicroads.vic.gov.au](http://traffic.vicroads.vic.gov.au)
- Emergency Broadcasters  
ABC 774 AM  
SKY NEWS Television  
3AW 693 AM
- VICSES Social Media  
[facebook.com/vicses](https://facebook.com/vicses)  
[twitter.com/vicsesnews](https://twitter.com/vicsesnews)
- Preparing for Flood Emergencies [ses.vic.gov.au/get-ready](http://ses.vic.gov.au/get-ready)
- Creating an Emergency Plan [redcross.org.au/prepare](http://redcross.org.au/prepare)
- Catchment Management Authority [melbournewater.com.au](http://melbournewater.com.au) 131 722
- Bayside City Council [bayside.vic.gov.au](http://bayside.vic.gov.au) 9599 4444
- National Relay Service (NRS) [relayservice.gov.au](http://relayservice.gov.au)

**Life-threatening  
Emergency  
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# Flood warnings and emergency checklist

## Bureau of Meteorology Warnings

**Warnings** are issued by the Bureau of Meteorology (BoM) to tell people about possible flooding.

A **Flood Watch** means there is a developing weather pattern that might cause floods in one or two days. This service covers the whole state.

A **Flood Warning** means flooding is about to happen or is already happening. There are minor, moderate and major flood warnings. This service is only available where flood warning systems are in place.

 A Minor Flood Warning means floodwater can:	 A Moderate Flood Warning means floodwater can:	 A Major Flood Warning means floodwater can:
Spill over river banks and cover nearby low lying areas.	Spill over river banks and cover larger areas of land.	Cause widespread flooding.
Come up through drains in nearby streets.	Reach above floor levels in some houses and buildings.	Many houses and businesses are inundated above floor level.
Require the removal of stock in some cases.	Require evacuation in some areas.	Cause properties and whole areas to be isolated by water.
Cover riverside camping areas and affect some low-lying caravan parks.	Affect traffic routes.	Closes major roads and rail routes.
Cover minor roads paths, tracks and low level bridges.	Require the removal of stock in rural areas.	Require many evacuations.
Affect backyards and buildings below floor level.		Affect utility services (power, water, sewage etc.).

## Severe Thunderstorm Warnings

Thunderstorms are classified as severe when there is potential to cause significant localised damage through wind gusts, large hail, tornadoes or flash flooding. Severe Thunderstorm Warnings are issued to the community by BoM.

## Severe Weather Warnings

These warnings are issued to the community by BoM when severe weather is expected that is not directly related to severe thunderstorms or bushfires. Examples of severe weather include damaging winds and flash flooding.

## Flash Flooding

- Flash Flooding can occur quickly due to heavy rainfall. You may not receive an official warning.
- Stay informed monitor weather warnings, forecasts and river levels at the [BoM website](#) and warnings through [VicEmergency](#).



### VICSES Warnings

VICSES utilises the VicEmergency app, website and hotline to distribute flood warnings and emergency information in Victoria. You can also access this information through our social media channels and emergency broadcasters.

VICSES warnings aim to provide you with information to help you make good decisions to protect yourself and your family.

The warning level is based on severity, conditions and the likelihood of community impact.

#### WARNING LEVELS

	<b>EMERGENCY WARNING</b> You are in imminent danger and need to take action immediately. You will be impacted. A Major flood warning usually fits into this category.
	<b>WARNING (WATCH AND ACT)</b> An emergency is developing nearby. You need to take action now to protect yourself and others. A Moderate flood warning usually fits into this category.
	<b>ADVICE</b> An incident is occurring or has occurred in the area. Access information and monitor conditions. Can also be used as a notification that activity in the area has subsided and is no longer a danger to you. A Minor flood warning or Flood Watch usually fits into this category.

#### ADDITIONAL MESSAGES

	<b>PREPARE TO EVACUATE/ EVACUATE NOW</b> An evacuation is recommended or procedures are in place to evacuate.
	<b>COMMUNITY INFORMATION</b> Updates for communities affected by an emergency. Can also be used as a notification that an incident has occurred but there is no threat to community.
	<b>EMERGENCY ALERT</b> During some emergencies, communities may be alerted by the sounding of a local siren, or by sending an SMS to mobile phones or a voice message to landlines.

### Your emergency plan

Emergencies can happen at any time, with little warning. People who plan and prepare for emergencies reduce the impact and recover faster.

Taking the time to think about emergencies and make your own plan helps you think clearly and have more control to make better decisions when an emergency occurs.

Visit [redcross.org.au/prepare](http://redcross.org.au/prepare) start creating your plan.



- Remember, you may not receive any official warning.
- Emergency assistance may not be immediately available. Be aware of what is happening around you to stay safe.
- Never wait for a warning to act.



## Emergency Kit

Visit [Emergency Toolkit](#) for more information



Every home and business should have a basic emergency kit with a supply of 3 days:



Check your kit often. Make sure things work. Replace out of date items.

**When a warning is issued, have ready for use or pack into your kit:**

### I need to add:

Write your list here. Tick items as you pack them into your kit

- | Special needs (e.g., babies, Elderly)
- | Photos
- | Family keepsakes
- | Valuables
- | Other

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