



Manningham

Local Flood Guide

Flash flood information for the City of Manningham



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



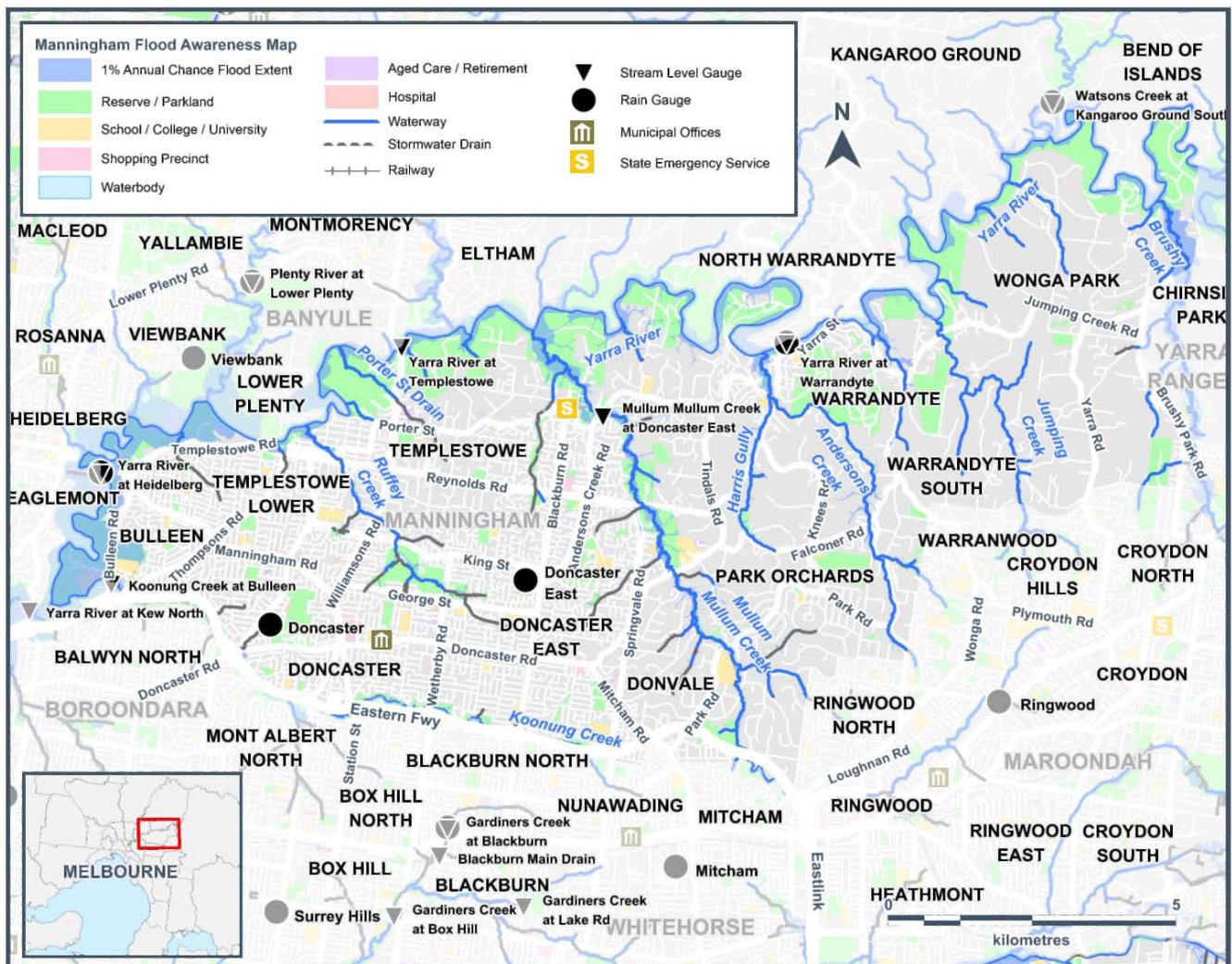


Manningham

The City of Manningham is located to the east of the Melbourne Central Business District, in an area defined by natural water boundaries of the Yarra to the North and West and the Koonung Creek to the south. The western area of the municipality, closer to the city, is predominantly urban. Whilst the eastern areas of Manningham are rural and residential. The city has more than 1,200 hectares of open space, with more than 300 parks, gardens and reserves and incorporates part of the green belt surrounding Melbourne.

Manningham has six main creeks within the municipality as well as being hilly with many low lying areas. This means that it can be affected by flooding from rivers and creeks as well as flash flooding from heavy rainfall.

The following map shows the expected flooding in a 1% flood in Manningham. A 1% flood means that there is a 1% chance of a flood this size occurring in any one year.



Disclaimer

This map publication is presented by Victoria State Emergency Service for the purpose of disseminating emergency management information. The contents of the information have 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 information is provided by Melbourne Water



Are you at risk of flood?

There are six main creeks in Manningham: Brushy Creek, Jumping Creek, Anderson Creek, Mullum Mullum Creek, Ruffey Creek and Koonung Creek. All six creeks flow into the Yarra River.

There are no large water storages (e.g. dams) or large wetlands in the municipality, meaning that large pockets of water can gather in low-lying areas before slowly draining away. In Manningham, flooding is also caused by overland flows of stormwater from heavy rainfall that exceeds the capacity of the drainage system.

Manningham has a history of flash flooding. Flash flooding can occur when heavy rainfall occurs in a short period of time. Heavy rainfall can cause overflows from underground drains when the systems are overwhelmed as well as water flowing overland in localised areas. Flash flooding can happen with little warning, only lasts a short time but can leave severe localised damage.

Below is a list of roads that may be impacted by flooding within the Manningham local government area.

BULLEEN	WARRANTYTE	TEMPLESTON LOWER
Bulleen Road	Taroona Avenue	Riverwood Lane
Greenaway Street	Everard Drive	Ruffey Street
Manningham Road West	First Drive	Union Street
Kim Close	Greenaway Street	Templestowe Road
Templestowe Road	Police Street	
	Tills Drive	
	Whipstick Gully Road	

Did you know?

- In November 2011, 55 millimetres of rain fell on Melbourne, taking the monthly rainfall total to 136 millimetres which made it the wettest November in Melbourne since 1975. This resulted in flooding across many areas as the ground was already saturated meaning that more rain was not able to soak in. Several areas in Manningham were affected with Bulleen experiencing the most disruption.
- Due to the significant amount of foliage in the Manningham area, storms with heavy rainfall result in flash flooding that can contain fallen branches. It's important to remember that floodwater is dangerous. Never drive, ride, walk or swim in floodwater - you don't know what you're getting into.



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.



Yarra River flood levels at the Templestowe gauge

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

Height (metres)	Impact/level
	Height shown map page 2.
8.0 metres	Major flood level
	12 properties at risk of flooding
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Sections of the Main Yarra Trail between Warrandyte and Bulleen • Yarra Valley Country Club, Templestowe Road • Birrarung Park, Templestowe Road • Stand at Carey Baptist Grammar Sports Centre, Bulleen Road • Finns Reserve, Templestowe Road • Bus routes 280 and 282 along Templestowe Road
	Water over the road includes <ul style="list-style-type: none"> • Riverwood Lane, Ruffey Street and the intersection of Union Street and Templestowe Road, Templestowe Lower.
6.0 metres	Moderate flood level
	1 property at risk of flooding
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Sections of the Main Yarra Trail between Warrandyte and Bulleen • Yarra Valley Country Club, Templestowe Road • Birrarung Park, Templestowe Road • Stand at Carey Baptist Grammar Sports Centre, Bulleen Road
	No water expected over roads.
3.5 metres	Minor flood level
	No properties will be impacted at this level
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Sections of the Main Yarra Trail between Warrandyte and Bulleen • Yarra Valley Country Club, Templestowe Road • Birrarung Park, Templestowe Road
	No water expected over roads.



Yarra River flood levels at the Heidelberg gauge

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

Height (metres)	Impact/level
	Height shown map page 2.
9.3 metres	Major flood level
	10 properties at risk of flooding
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Trinity Grammar School Sporting Complex, Bulleen Road • Marcellin College Sports Grounds, Bulleen Road • Carey Baptist Grammar Sports Centre • Bus route 903 along Manningham Road West
	Water over the road may occur on Bulleen Road and Manningham West Road, Bulleen.
9.0 metres	Moderate flood level
	1 property at risk of flooding
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Trinity Grammar School Sporting Complex, Bulleen Road • Marcellin College Sports Grounds, Bulleen Road • Carey Baptist Grammar Sports Centre
	Water over the road may occur on Bulleen Road, Bulleen
7.9 metres	Minor flood level
	1 property will be impacted at this level
	Community infrastructure that may be impacted by flood water includes <ul style="list-style-type: none"> • Bulleen Park, Bulleen Road • Freeway Public Golf Course, Bulleen Road
	Water over the road may occur on Bulleen Road, Bulleen



Staying Informed and Further Information

■ Current warnings (VicEmergency)	emergency.vic.gov.au	1800 226 226
■ Bureau of Meteorology (BoM)	bom.gov.au/vic/warnings	1300 659 217
■ VicRoads Traffic	traffic.vicroads.vic.gov.au	
■ Emergency Broadcasters	ABC 91.1FM SKY NEWS Television	
■ VICSES Social Media	facebook.com/vicses twitter.com/vicsesnews	
■ SES Manningham Unit	facebook.com/ManninghamSES	
■ Preparing for Flood Emergencies	ses.vic.gov.au/get-ready	
■ Creating an Emergency Plan	redcross.org.au/prepare	
■ Melbourne Water	melbournewater.com.au	131 722
■ City of Manningham	manningham.vic.gov.au emergencyaware@manningham.vic.gov.au	

**Life-threatening
Emergency
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Flood warnings and emergency checklist

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. Communities can also access this information through VICSES 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 that the emergency could impact on the community.

WARNING LEVELS

	<p>EMERGENCY WARNING</p> <p>You are in imminent danger and need to take action immediately. You will be impacted. A Major flood warning usually fits into this category</p>
	<p>WARNING (WATCH AND ACT)</p> <p>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.</p>
	<p>ADVICE</p> <p>An incident is occurring or has occurred in the area. Access information and monitor conditions.</p> <p>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.</p>

ADDITIONAL MESSAGES

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

Your emergency plan

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

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

Visit redcross.org.au/prepare start creating your plan.



ARE YOU READY?
DO ONE SIMPLE THING TO MAKE YOU SAFER

- 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.

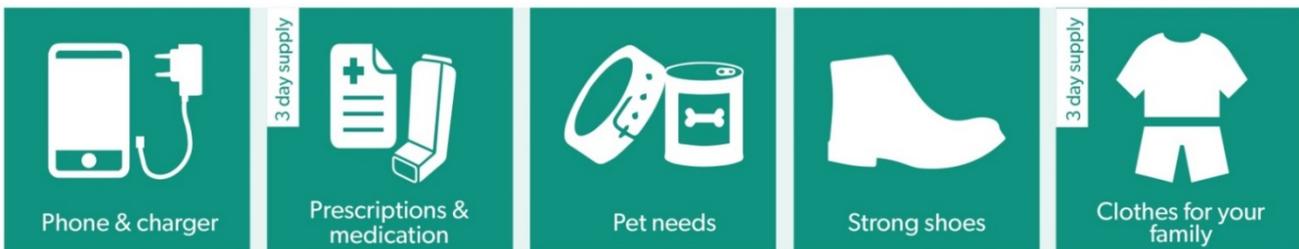


Emergency Kit

Visit [Emergency Toolkit](#) for more information



Every home and business should have a basic emergency kit with supplies for 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 (eg, babies, elderly and people with a disability)	
Photos	
Family keepsakes	
Valuables	
Other	



Emergency Checklist

- Check if your insurance policy covers flooding.
- Keep this list of emergency numbers in your mobile phone.
- Download the Vic Emergency app on your mobile phone.
- Put together an emergency kit and prepare a home or business.
- Emergency plan, see <https://www.redcross.org.au/prepare>



Before Flooding

- Leaving early before flooding occurs is always the safest option. Evacuating through floodwater is very dangerous and you may be swept away.
- Stay informed- monitor weather warnings, forecasts and river levels at the <http://www.bom.gov.au> and warnings through www.emergency.vic.gov.au
- Secure objects likely to float and cause damage.
- Listen to the radio and check the VICSES website for information and advice.
- Go over your emergency plan. Pack clothing and other extra items into your emergency kit and take this with you if you evacuate.

During Flooding

- Make sure your family members and neighbours are aware of what is happening.
- Conditions change rapidly; roads and escape routes can be covered or blocked.
- Put household valuables and electrical items as high as possible.
- Turn off water, gas and electricity at the mains.
- If you are staying in a caravan, move to higher ground before flooding begins.
- Seek shelter indoors, away from floodwater.
- If floodwater comes inside, move to a higher point such as a kitchen bench or second storey.
- Stay away from trees, drains, low-lying areas, creeks, canals, culverts and floodwater.

Evacuating in Flooding

- Flood water is dangerous. Never enter floodwater. It can take just 15cm of water to float a car.
- Find alternative travel routes if roads or underpasses are flooded.
- Be aware of driving hazards, such as mud, debris, damaged roads and fallen trees. If driving conditions are dangerous, safely pull over away from trees, drains and floodwater.

After Flooding

- For recovery information, contact your local council, go to the VicEmergency Relief and Recovery-emergency.vic.gov.au/Relief page or call the VicEmergency Hotline (1800 226 226).
- Have all electrical and gas equipment professionally tested before use.
- Stay away from damaged and flooded buildings, fallen trees and powerlines and damaged roads until authorities advise it is safe to do so.
- Drive slowly, obey all road signs and never drive through floodwater.
- When cleaning, protect your health and safety. Wear strong boots, gloves and protective clothing and wash your hands and clothes regularly.

For VICSES emergency assistance,
call **132 500**, or **Triple Zero (000)**
in life threatening emergencies.