



Whitehorse

Local Flood Guide

Flood information for the City of Whitehorse



For flood emergency assistance call
VICSES on 132 500





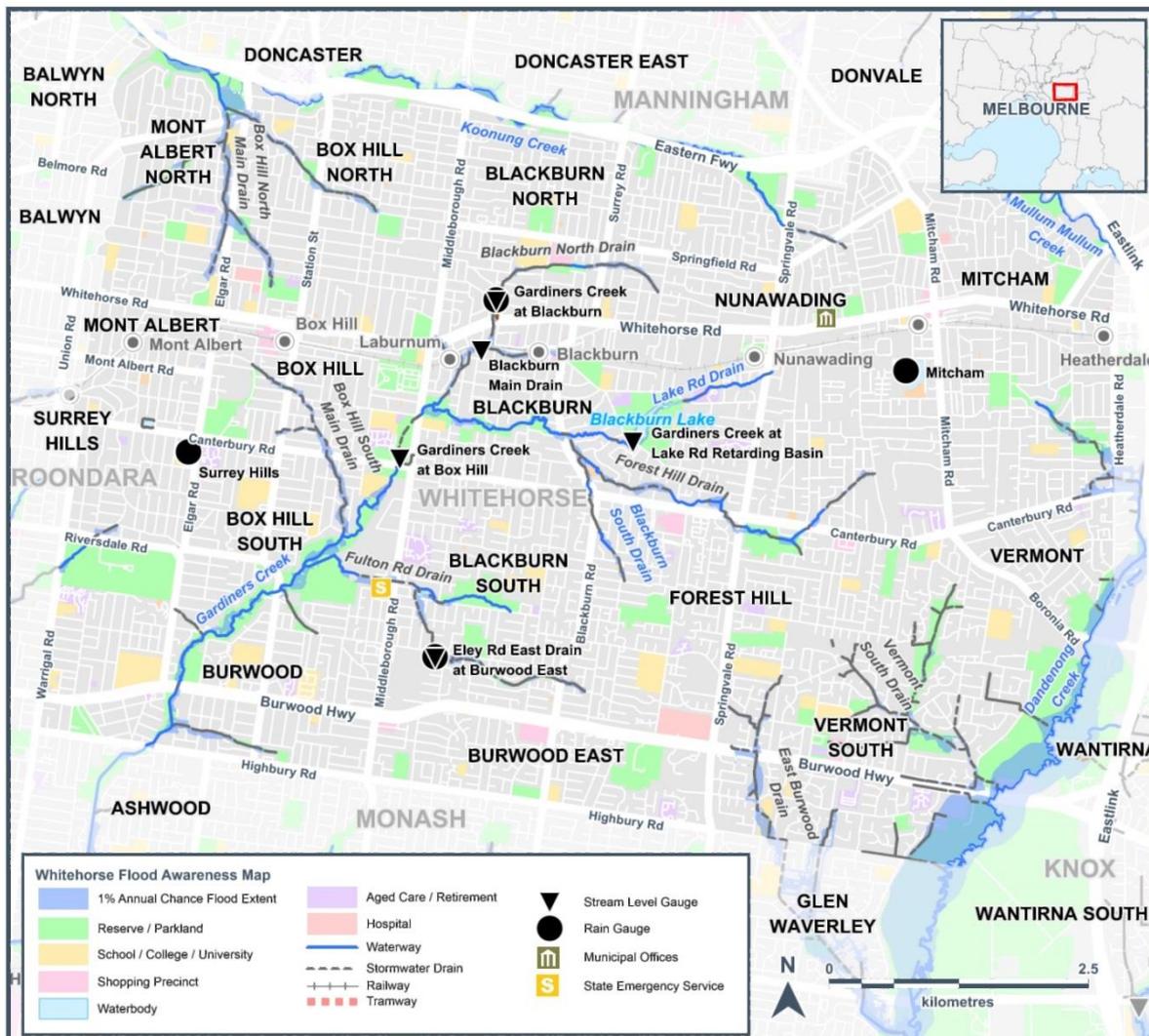
Whitehorse

This guide focusses on The City of Whitehorse, providing an overview of the risk of flood in the area and includes information that can help you to be more prepared in case of an emergency.

Located approximately 15 kilometres from Melbourne’s Central Business District, the City of Whitehorse is home to important retail centres at Box Hill and Forest Hill, as well as educational institutions such as Box Hill TAFE and Deakin University. Whitehorse is a mix of quiet residential streets and bustling shopping centres and it prides itself on having over 350 parks and reserves in the municipality’s 64 square kilometres.

Waterways in the City of Whitehorse include Gardiners Creek, Dandenong Creek, Koonung Creek and the smaller waterways that branch off from these three creeks. The land is hilly in nature with many valleys, making some areas susceptible to flash flooding from heavy rainfall.

The following maps show the expected flooding in a 1% flood in the Whitehorse municipality related to the Melbourne Water infrastructure. The localised flooding is not shown on the maps. A 1% flood means there is a 1% chance of a flood this size occurring in any year. There may also be more localised flooding depending on the location and the amount of rainfall and the intensity.



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



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Are you prepared for a flood?

This guide contains important information on the key agencies that can provide assistance, where to find flood warning and storm information, helpful websites and practical information on how to can be better prepared.

Experience shows that those who plan and prepare for emergencies can reduce the impact of the emergency and can recover quicker afterwards.

Further information on 'Preparing for Flood Emergencies' is also available at ses.vic.gov.au/get-read

Are you at risk of flood?

Most areas of Melbourne experience some level of flooding during an extreme storm event, with those developed prior to the 1970's generally being more likely.



The effects of climate change are resulting in increase in rainfall intensity and City of Whitehorse is experiencing more severe rainfall events, increasing the likelihood of flooding and storm surge.

These effects, in combination with the increased urbanisation and development occurring within the City of Whitehorse, result in more frequent and intense flooding in the area than in the past. This is because rain is less able to soak into the ground and therefore runs off into lower lying areas. Flash flooding can occur in the area during times of heavy rainfall that are often associated with severe storms. A flash flood can occur with little warning, will only last a short time, but can leave severe localised damage.

Did you know?

The City of Whitehorse has experienced several major floods in the past. These have usually been as a result of heavy rainfall during severe storms.

- 6 November 2018 – total of 56mm in 24 hours
- On 6 November 2018, 56mm of rain fell in 24 hours. Shortly after on 14 December 2018 and 16 December 2018 there was further intense rainfall classified as a 2% rainfall event or a 1 in 50 year event
- In February 2011, a huge flow of water affected the east end of Furness Park and closed Norris Court off Naughton Grove.
- In December 2007, 100 millimetres of rain fell over two days in the area causing flash flooding. During this, Nunawading was the third most affected area in Melbourne with 275 calls for assistance to the Victorian State Emergency Service (SES).
- In December 2003, 80 millimetres of rain fell in a very short period of time causing devastating flash flooding.



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

If you require assistance during a flood or storm, contact SES on 132 500. Your local SES Whitehorse Unit will be able to assist you.



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 774 AM SKY NEWS Television	
■ VICSES Social Media	facebook.com/vicses twitter.com/vicsesnews	
■ SES Whitehorse Unit	facebook.com/WhitehorseSES	
■ 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
■ Whitehorse City Council	whitehorse.vic.gov.au	9262 6333

**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. 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.



- 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.