



Koo Wee Rup

Local Flood Guide

Riverine & Flash flood information for Koo Wee Rup



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





Koo Wee Rup

Koo Wee Rup is located approximately 60km southeast of the Melbourne Business District (straight line distance) in a predominantly rural town setting. Koo Wee Rup has a land area of 57.57 square kilometres and sees slow water movement due to its mostly flat terrain. Open channel drainage systems have been installed to help move water out into the Western Port Bay. Properties that may be impacted by a 1 in 100-year event (likely to occur once in every 100 years) in and around Koo Wee Rup and the Bunyip River are residential and rural.

The Bunyip River is the main watercourse in the area, flowing from the northeast. Yallock Creek and Western Port Bay are located to the South of Koo Wee Rup.

The map below shows possible flooding in a 1% AEP flood in Koo Wee Rup. A 1% AEP flood means there is a 1% chance of a flood of this size occurring in any year. This map represents one of many possible flooding scenarios in Koo Wee Rup.



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?

Koo Wee Rup has the potential to become isolated for a period of time during an intense rainfall event. Prolonged rainfall may see the Bunyip River and surrounding open water channels flood. The area sees slower water movement due to the flat terrain.

Areas of Koo Wee Rup town are expected to remain relatively dry during major flooding events. Some localised short-duration isolation may occur due to flash flooding.

Essential infrastructure at risk during a 1% AEP (1 in 100-year event) includes:

- **Koo Wee Rup Hospital** is at risk from isolation during a 1% AEP flooding event in Koo Wee Rup. Access roads such as Rossiter Road, Koo Wee Rup-Longwarry Road, Sybella Ave & South Gippsland Hwy are all at risk of closure during a major flooding event. The hospital is expected to remain relatively dry.
- The Koo Wee Rup **Police Station & CFA Fire Station** could become isolated if local roads become inundated.
- The **Telephone Exchange** in Bayles could become isolated from the closure of Ballarto Road, Main Drain Road and Koo Wee Rup-Longwarry Road due to floodwaters.

The following roads are subject to closure during a flooding event around the Koo Wee Rup area within a 1% AEP (100yr ARI) event. A 1% AEP flood means there is a 1% chance of a flood of this size occurring in any year.

Alexandra Avenue	Henry Street	McKays Road
Amber Lane	Hudson Lane	Mickle Street
Ballarto Road	Jade Avenue	Milla Way
Bollen Way	John Street	Moody Street
Boormani Court	Koo Wee Rup Bypass	Quinny Street
Boundary Drain Road	Lapis Street	Rossiter Road
Catani Avenue	Longwarry Road, Bayles	Ruby Avenue
Daleys Road	Longwarry Road, Modella near Fallon Road	Salmon Street
Denhams Road	Longwarry Road, Modella near Glover Road	Silver Way
Diamond Drive	Main Drain Road South	South Gippsland Highway
Emerald Grove	McDonalds Drain Road	Sybella Avenue
Fechner Road	McDonalds Drain Road East	



Did you know?

The Cardinia Municipality has a history of flooding, including events in 2011, 2012, 2016 and 2018.

- An extreme weather event in February 2011 resulted in an emergency evacuation alert being sent to more than 6000 residents in areas including Iona, Cora Lynn, Koo Wee Rup and Bayles. Fifty-one patients were evacuated from the Koo Wee Rup hospital due to potential isolation of the building. Farms between McDonalds Drain Road, Ballarto Road and Fechner Road were inundated.
- On June 22nd 2012, Koo Wee Rup received over 58 millimetres of rain within a 24 hour period. The Bunyip River reached a height of 4.41 metres causing a moderate flood event in the area. This led to the evacuation of more than 30 properties.



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.

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 SKY NEWS Television	
■ VICSES Social Media	facebook.com/vicses twitter.com/vicsesnews	
■ 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
■ Cardinia Shire Council	cardinia.vic.gov.au	1300 787 624

**Life-threatening
Emergency
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Koo Wee Rup Gauge flood levels at the Bunyip Main Outfall Drain

When the Bureau of Meteorology (BoM) issues Flood Warnings they include a prediction of the flood height at Koo Wee Rup 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.
4.76m	1% AEP (100yr ARI) Flood Level
	Approximately 350 Properties in Koo Wee Rup, Koo Wee Rup North, Pakenham South and parts of Damore likely flooded
	Community Infrastructure Flooded <ul style="list-style-type: none"> • St John the Baptist Primary School on Station Street, Koo Wee Rup with sports grounds flooded • Westernport Nursing Home on Koo Wee Rup-Longwarry Road, Koo Wee Rup affected by isolation of Koo Wee Rup town
	Essential Infrastructure Impacted <ul style="list-style-type: none"> • Koo Wee Rup Hospital possibly affected by access issues resulting from South Gippsland Hwy being cut, along with local roads; Rossiter Road west of the Hospital; Sybella Ave; Koo Wee Rup Road; & Koo Wee Rup-Longwarry Road in Bayles. Hospital itself expected to remain relatively dry • The Koo Wee Rup Police Station & CFA Fire Station could become isolated if local roads become inundated. • The Telephone Exchange in Bayles could become isolated from the closure of Ballarto Road, Main Drain Road and Koo Wee Rup-Longwarry Road due to floodwaters
4.41m	June 2012 Flood Event Level
	Event Summary <ul style="list-style-type: none"> • Localised moderate flooding occurred in Koo Wee Rup, associated with the Boundary Road Drain. 25-30 properties in Koo Wee Rup were evacuated as a precautionary measure • Properties flooded along Salmon Street, Ti-Tree Lane, Blackfish Drive and Henry Street
2.9m	
	Overtopping of North-West Drain (which runs parallel to Bunyip River)



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 now. You will be impacted. A Major flood warning usually fits into this category.</p>
	<p>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. A Minor flood warning or Flood Watch usually fits into this category.</p>

EVACUATION	
If an evacuation is recommended, you will be guided to do so in the action statement in the warning.	
	<p>PREPARE TO EVACUATE/ EVACUATE IMMEDIATELY</p> <p>An evacuation is recommended or procedures are in place to evacuate.</p>

ADDITIONAL MESSAGES	
	<p>COMMUNITY INFORMATION</p> <p>Can be used as a notification that an incident has occurred but there is no threat to community; or to issue a newsletter containing updates for communities affected by an emergency.</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.