storm and flood ready

Flood Guide

Lauderdale to Seven Mile Beach and Surrounds

Coastal Inundation, riverine and direct rainfall flooding information for communities on

- Acton Creek
- other minor waterways and
- the coasts of Frederick Henry Bay and Ralphs Bay



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Clarence... a brighter place

SES TAS STATE EMERGENCY SERVICE

Tasmanian Government



To see the maps in more detail, [see the Tasmanian Strategic Flood Maps](#) on the SES website.

Understand your flood risk and get ready

In a major flood, this area could be widely affected by

- direct rainfall flooding (flash flooding) or
- flooding from the ocean (coastal inundation).

Flooding from rivers and waterways (riverine flooding) would only impact parts of

- Acton Park, and
- Seven Mile Beach around Acton Creek.

The coastline of this area may be affected by

- high tides
- waves from storms, and
- erosion.

This could happen during heavy rain and add to other flooding.

Houses along Acton Creek and between the golf course and Seven Mile Beach Rd are at risk of flooding. The corner of Seven Mile Beach Road and Estate Drive may flood from direct rainfall. Other areas at risk of direct rainfall flooding include

- large parts of Roches Beach
- properties south of Ringwood Rd and Mannata St
- other low-lying streets in Lauderdale and International Close in Acton Park.

The maps in this guide show the level of flooding that has a 1% chance of happening any year from both rivers and direct rainfall flooding (known as 1% annual exceedance probability, or AEP). You are likely to experience flooding such as that shown in the maps in your lifetime. Tasmanians need to prepare for flood events that may not happen often, as well as the minor flooding they may have experienced.

Clarence City Council has flood mapping across this area that includes the modelled effects of climate change. You can see it online at www.ccc.tas.gov.au/living/your-neighbourhood/flooding/.

Even if your home is not at risk of flooding, you should prepare for isolation plus potential power and telecommunications outages. Depending on where the rain falls and how heavy it is, local and major roads may be impassable. For example, Seven Mile Beach Road may be flooded by Acton Creek, and Acton Road may see flash flooding. Travel in the area is likely to be difficult or impossible until roads are clear. If you are safe at home or elsewhere, it is usually best you stay where you are until the flooding subsides, unless there is an emergency. If you need to evacuate, you should leave early, before flood waters rise.

Listen to ABC local radio 936AM for warnings and advice.

Are you at risk of flood?

The most serious flood in recent history was in June of 1974. June of 2011 also saw serious flooding in this area. Damaging storms and tides have also been recorded. In July

2011 tides and winds caused flooding and damage in Lauderdale and Roches Beach. This kind of weather may be more common in the future due to increased average temperatures.

What should I do?

- Check the map to see whether your home or business could flood.
- Assess your home or business and prepare it to minimise possible flood damage.
- Check if you can safely get to your home, work, or school during a flood.
- Prepare a Home Emergency Plan. See Get Ready for Emergencies – A guide for individuals and households to prepare for emergencies .
- If you may be isolated and you must have access to services, you may need to evacuate early.

Floods like the one shown in the maps, or worse, will occur again. No two floods are the same.

If you live in a low-lying area or near a watercourse, your house may flood. Even if your home is safe, you may need to detour around flooded areas or your road access may be cut. Never drive into or enter flood waters. Roads and bridges may be washed out or unsafe. Avoid travel during floods.

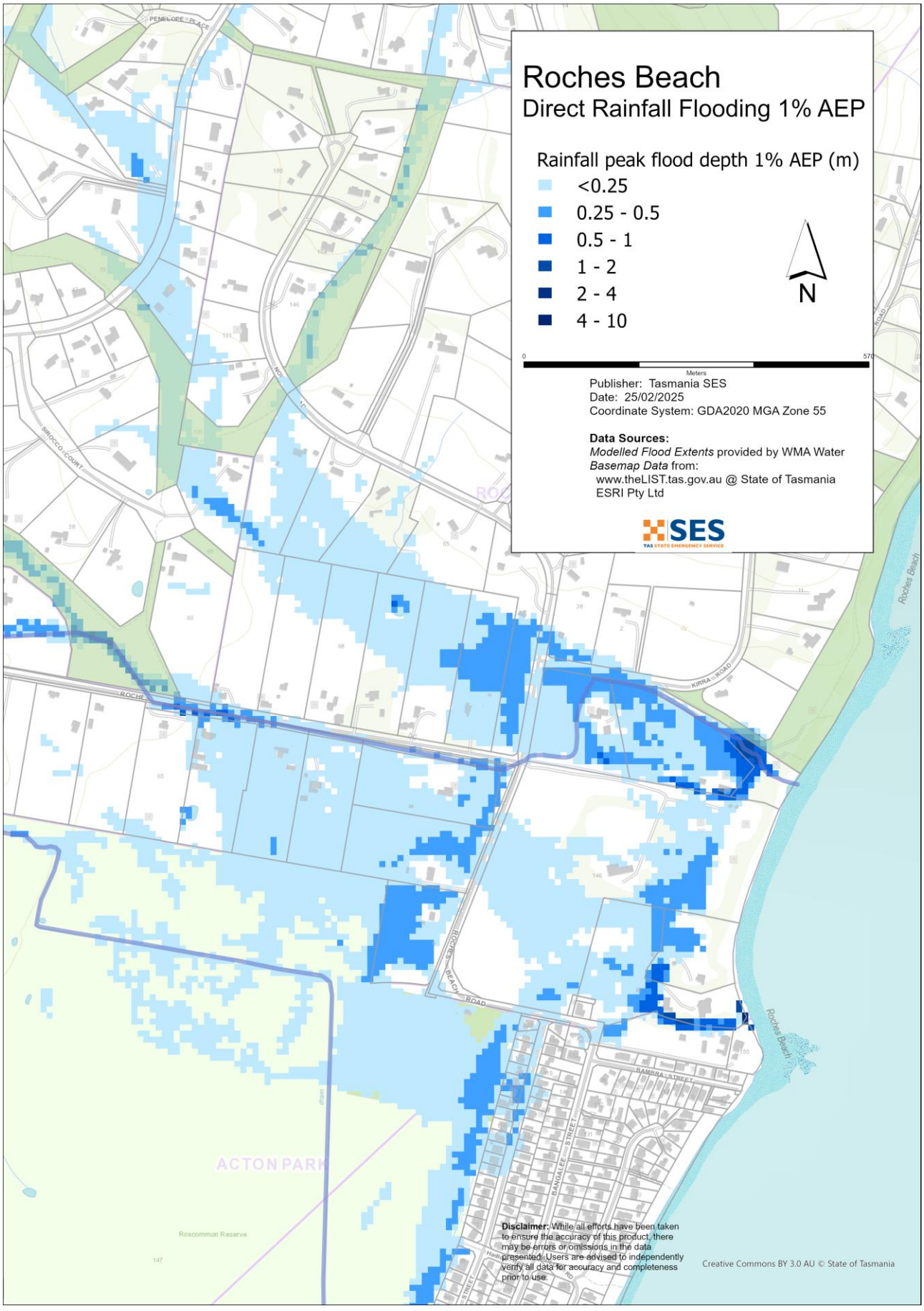
Knowing what to do can save your life and help protect your property. Having a Home Emergency Plan is one of the best ways to prepare. Decide on weather and rainfall triggers for when to act.

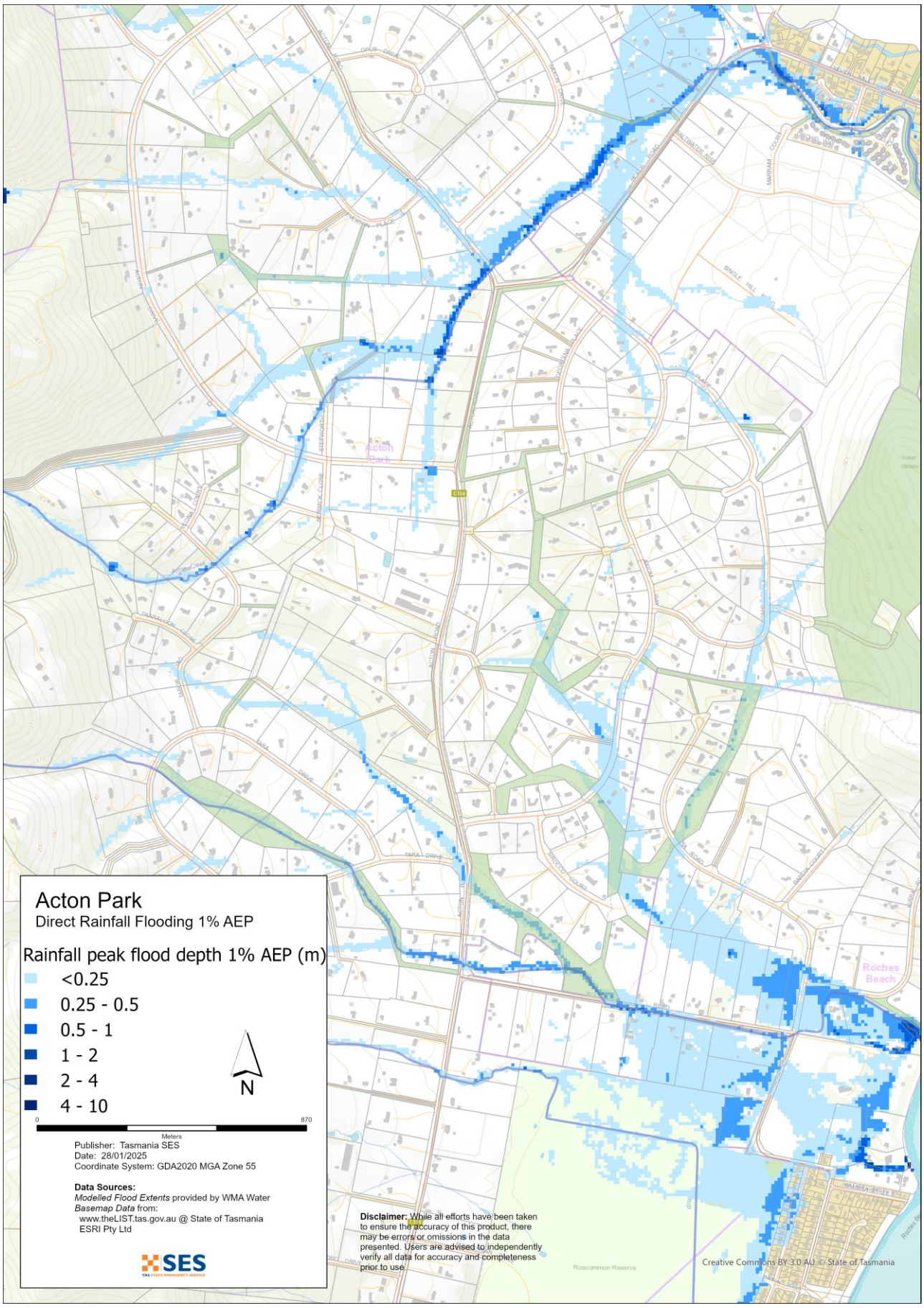
Please Note

The maps in this plan show data from the Tasmanian Strategic Flood Mapping (TSFM) project.

See www.ses.tas.gov.au/floodmaps .

Clarence City Council has detailed flood studies for these areas, see www.ccc.tas.gov.au/living/your neighbourhood/flooding/. CCC data includes climate change projections, shows flooding at more shallow depths and therefore the flood extents are considerably different and generally larger, than the TSFM extents shown in the maps below. This data is based on rainfall averages from the past.


Roches Beach
Direct Rainfall Flooding 1% AEP
Rainfall peak flood depth 1% AEP (m)
<0.25
0.25 - 0.5
0.5 - 1
1 - 2
2 - 4
4 - 10
N
0
570
Meters
Publisher: Tasmania SES
Date: 25/02/2025
Coordinate System: GDA2020 MGA Zone 55
Data Sources:
Modelled Flood Extents provided by WMA Water
Basemap Data from:
www.theLIST.tas.gov.au @ State of Tasmania
ESRI Pty Ltd
SES
TAS STATE EMERGENCY SERVICE
PENELOPE PLACE
SIROCCO COURT
ROCHE
KIRRA ROAD
ROCHES BEACH ROAD
BAMBRA STREET
BANGALEE STREET
ACTON PARK
Roscommon Reserve
Roches Beach
Disclaimer: While all efforts have been taken to ensure the accuracy of this product, there may be errors or omissions in the data presented. Users are advised to independently verify all data for accuracy and completeness prior to use.
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Acton Park
Direct Rainfall Flooding 1% AEP
Rainfall peak flood depth 1% AEP (m)
<0.25
0.25 - 0.5
0.5 - 1
1 - 2
2 - 4
4 - 10
N
0
870
Meters
Publisher: Tasmania SES
Date: 28/01/2025
Coordinate System: GDA2020 MGA Zone 55
Data Sources:
Modelled Flood Extents provided by WMA Water
Basemap Data from:
www.theLIST.tas.gov.au @ State of Tasmania
ESRI Pty Ltd
SES
Disclaimer: While all efforts have been taken to ensure the accuracy of this product, there may be errors or omissions in the data presented. Users are advised to independently verify all data for accuracy and completeness prior to use.
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Acton Park
Roches Beach
Roscommon Reserve

Bureau of Meteorology Forecasts, Warnings, and Observations

The Bureau issues **a Flood Warning, Severe Weather Warning and/or Thunderstorm Warning for heavy rainfall that may lead to flash flooding** whenever **heavy rain** is expected in an area. The time between the warning and heavy rain occurring can vary from an hour to 24 hours or more.

There are no formal flood warning levels for waterways in this area.

Rainfall Observations at Hobart Airport, Hobart, Clifton Beach and other nearby rain gauges can indicate possible flood risks. Given the very short warning times, it is best to act on the predictive BoM warnings rather than wait for any flood alerts during rainfall.

The Mt Koonya Radar is useful to be aware in real-time where heavy rainfall is falling. Radar Rainfall estimates can also fill in gaps in areas where there are no rainfall stations.

Understand the warnings and key information

Keep aware of what is happening around you. Check forecasts, observations and warnings regularly.

- TasALERT.com
- your local ABC radio station or
- the Bureau of Meteorology's website.



Advice (Yellow): an incident has started. There is no immediate danger. Stay up to date in case the situation changes.



Watch and Act (Orange): There is a heightened level of threat. Conditions are changing and you need to start taking action now to protect you and your family



Emergency Warning (Red): An Emergency Warning is the highest level warning. You may be in danger and need to take action immediately. Any delay now puts your life at risk.

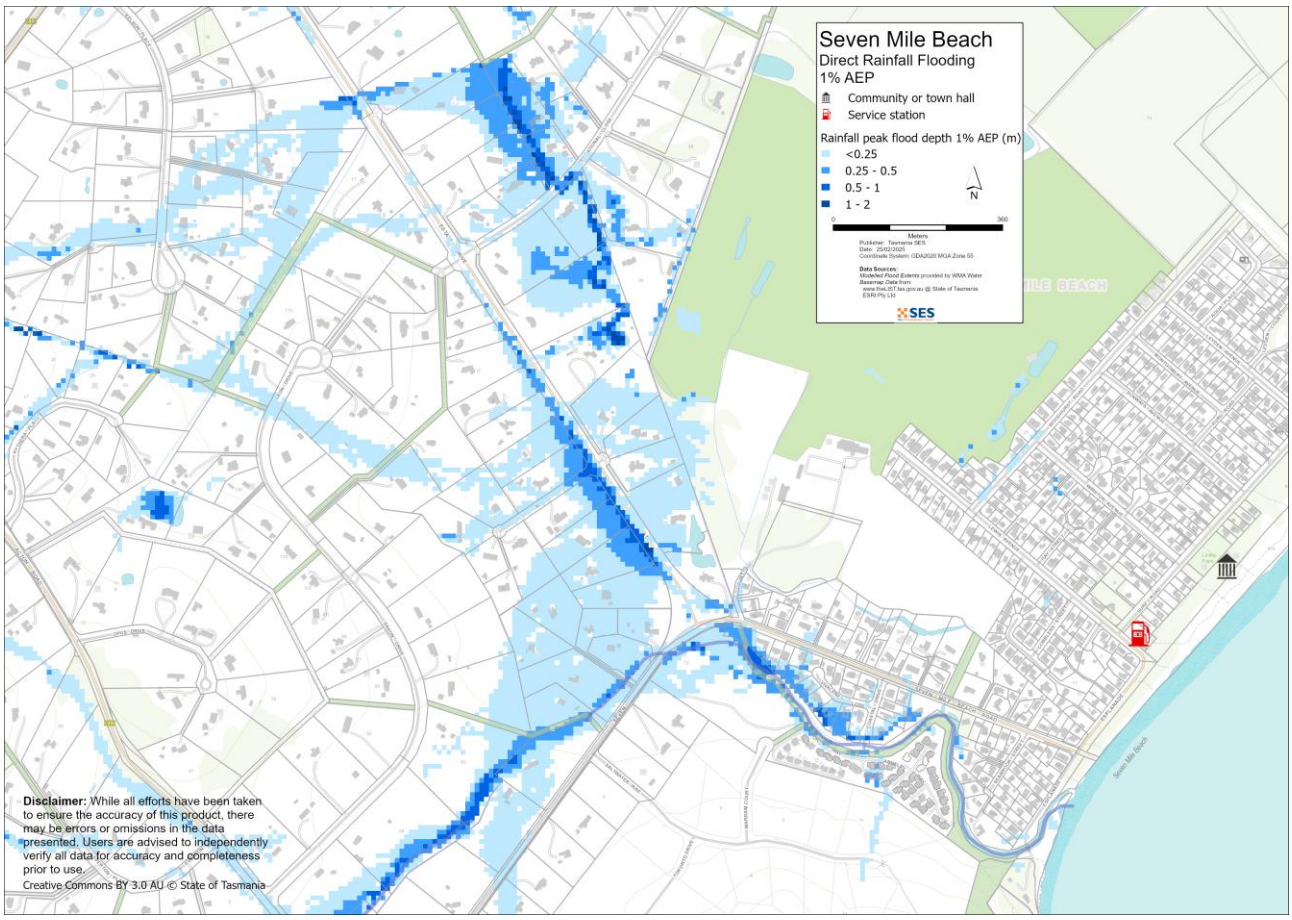


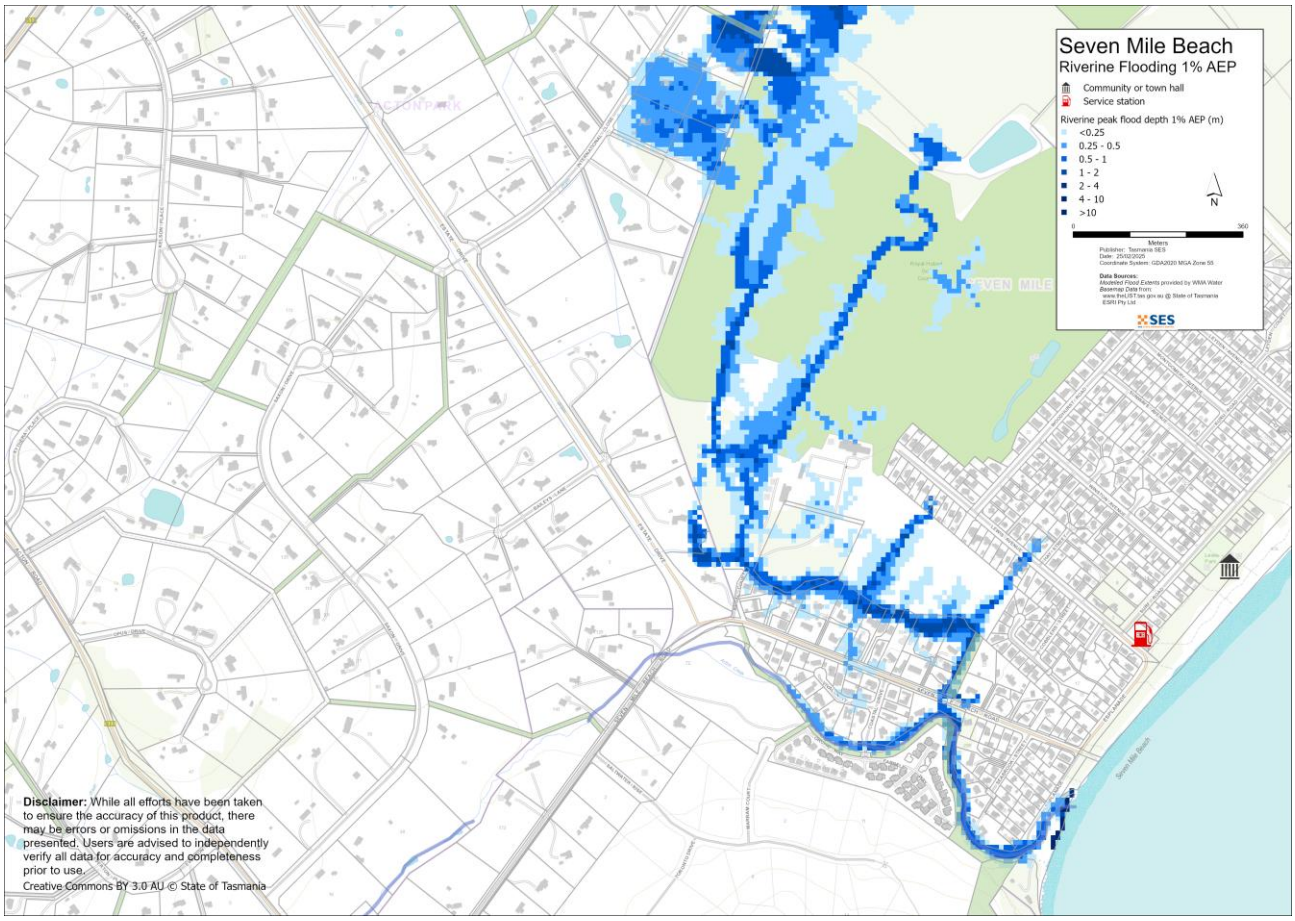
Community update (Blue): Specific information and updates for affected communities regarding a particular event or incident.



Incident (White): an incident is the initial occurrence of an event before it becomes an emergency warning. As soon as an incident is reported, TasALERT publishes basic information including the type and location of incident.

For more information see www.ses.tas.gov.au/warnings/ .


Seven Mile Beach
Direct Rainfall Flooding
1% AEP
Community or town hall
Service station
Rainfall peak flood depth 1% AEP (m)
<0.25
0.25 - 0.5
0.5 - 1
1 - 2
N
Meters
SES
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Seven Mile Beach
Riverine Flooding 1% AEP
Community or town hall
Service station
Riverine peak flood depth 1% AEP (m)
<0.25
0.25 - 0.5
0.5 - 1
1 - 2
2 - 4
4 - 10
>10
N
Meters
SES
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Flood levels

While no two floods are the same, the following describes what you can expect at different flood levels around the area. Even if your property is not flooded, you need to think about access. Different levels of rainfall can cause flooding depending on its intensity, duration and how wet the ground is beforehand and where the rain falls. Tide levels are also important, as they affect:

- ocean waves
- coastal erosion
- groundwater level, and
- drainage through the stormwater system.

Minor flooding

A minor flood can inundate low lying streets, parkland, gardens, orchards and paddocks. Vehicles, livestock and equipment should be moved. There may also be flooding across some minor roads. Paddocks north of Acton and the Royal Hobart Golf Course in Lauderdale may flood in parts.

Moderate flooding

There is more extensive flooding of agricultural land and some buildings may be impacted to above floor height. Properties may be isolated for a few hours as minor roads become flooded. Roads at most risk in moderate flooding include:

- International Close, in Acton Park
- Seven Mile Beach Road, Lewis Avenue, Regal Court and Seabrook Street in Seven Mile Beach.

Some properties in these streets may flood but it is unlikely to be above house floor height.

Major flooding

There is at least a 2% chance in any year of major flooding in this area.

This level of flooding could be a result of about 55-60mm of rain over 6 hours at the Hobart Airport, for example.

Major flooding will impact many streets and may flood houses. Acton Creek could flood parts of Acton Park and Seven Mile Beach, including

- International Close
- Seven Mile Beach Road
- Coastal Drive
- Lewis Avenue
- Seabrook Street and
- Regal Court.

Depending on where and when the rain falls, flash flooding could impact many areas, including

- In Acton Park
    - Acton Road
    - Estate Drive
    - International Close
    - properties near Upton Creek and other low-lying streets and houses.
- In Seven Mile Beach, properties on Vivalanett Close and Seven Mile Beach Road
- Possible widespread impacts in Roches Beach
- Terrina Street in the north of Lauderdale

Also at risk are low-lying properties throughout Lauderdale, including on

- Mannata Street
- North Terrace, and
- Bayview Road.

During a major flood, **the tide and ocean swell will influence flooding in this area**. High tides raise the water table and slow or prevent stormwater drainage, increasing flooding. Waves and high tides can

- cause damage and erosion and
- change the way floodwater moves through this area.

These effects are difficult to predict and are not included on the maps in this plan.

Know your risk, prepare, reduce risk where you can, connect with others, keep up to date and act safe.

BEFORE

1. Know your risk

Flooding can cause widespread and significant damage. In the past 200 years there have been 78 flood related deaths in Tasmania. This guide is to help you understand flood risk in your area.

2. Prepare your household

Have an emergency plan that covers storms and floods

Create a plan, which covers what you would do in a storm or flood. Make sure everyone in your household understands the plan. There are checklists to help you create your plan – see the SES website or Red Cross Rediplan.

Check your plan regularly and test that everyone in the household understand what would need to happen in a flood.

Prepare an Emergency Kit

Ready to go	Pack when needed

• Your emergency plan
• Battery powered radio and torch, spare batteries – regularly tested
• Other Important information
• Rubber or strong leather gloves
• A list of emergency numbers
• First aid kit
• Food and water
	• Warm clothes, sturdy shoes or boots
	• Medicines, glasses and other essential items
	• Mobile phone and phone charger
	• Pet food and anything else your pets need
	• Photos and special keepsakes
	• Important documents, for example
	  • insurance papers
	  • passports
	  • birth certificates
	• Money

3. Reduce your risk from flooding where you can do so safely

- Think about flooding and other hazards when buying, maintaining or developing property.
- Trim or remove trees and branches overhanging your home, business or near powerlines on your property.
- Keep your gutters and drains clear.

4. Connect with others

Get to know your neighbours and your community. A connected community can a be safer and more resilient in an emergency and can help everyone recover better afterwards. Check that family and neighbours are safe and aware of what's happening.

DURING

5. Stay alert

Keep aware of what is happening around you. Check forecasts, observations and warnings regularly.

- www.TasALERT.gov.au
- your local ABC radio station or
- the Bureau of Meteorology's website.

6. Act safe

- Supervise children.
- Prepare for possible power, water or internet outages.
- Check your emergency kit is ready to go.

- Keep clear of flooded areas such as drains. **NEVER** walk, play, ride or drive in floodwater. You can't always see what is under the water or how deep or fast-moving the water is. It is easy to be swept away and drown in as little as 20cm of fast-moving water. Flood water can be dangerous. There may be pollution from sewerage or chemicals.

When your home may be flooded

- Put household items up high to minimise possible damage.
- Turn off the electricity and gas if it is safe to do so.
- A great way to stop sewerage flowing back into your home is to place sandbags inside plastic bags and use them to block toilets and cover drains and sinks.
- Leave while you can get out safely.

If you need to evacuate

- Follow the advice from SES / Tasmania Police.
- Take your emergency kit.
- Go to friends or family in a safer place or an evacuation centre, if open.
- Let others know where you have gone.

Look after your animals

You are responsible for your animals in an emergency. If you have pets and other animals it will take you longer to evacuate in a flood or other emergency. Move animals from flood prone areas well before flood waters may rise. For more information see RSPCA's guidance on preparing for animals in an emergency.

Avoid travelling during and after storms

- Never drive through flood waters. Most deaths and rescues in floods are from people driving through flood waters.
- Drive slowly and turn your headlights on roads not affected by flood waters.
- Watch out for hazards such as
    - water over roads
    - damaged powerlines
    - landslides
    - damaged roads
    - falling trees or roofing iron.
- Do not go sightseeing. Sightseers delay emergency services and cause accidents.

AFTER

- Keep checking TasALERT.com and/or listen for ABC Local Radio updates on road re-openings, community meetings, etc.

- If you left your home, do not return home until SES or Tasmania Police tell you it is safe.
- Be aware of road hazards, such as mud or debris on the road, damaged roads/bridges and crews working on clean-up and repairs.

If your home has been damaged

- Stay at ground level while checking for damage. Be careful of fallen trees, broken glass, loose roofing or other hazards.
- Wear strong boots, gloves and protective clothes.
- Supervise children.
- Use a torch, never use matches or candles inside flood affected buildings.
- Do not turn on electricity or gas until it is tested by a licensed electrician or gas fitter for safety.
- Boil all drinking water until you are told the tap water is safe again.
- If your home is damaged and you need to stay somewhere else, take your emergency kit and pets with you.
- Take photos of any damage if safe for you to do so and contact your insurance company.
- Check neighbours are okay.

For further information go to www.ses.tas.gov.au.

Disclaimer

The information in this guide is current at the date of publication. While every effort has been taken to ensure the validity and accuracy of the data presented, the State Emergency Service does not take responsibility for data error or omission. Please see the standard Tasmanian Government's Copyright and Disclaimer Statement for more details https://www.tas.gov.au/codi .

The maps show potential flooding risks from consistent levels of rainfall across catchments, such as a 1% Annual Exceedance Probability (AEP). In flooding events, rainfall is likely to be more inconsistent across a catchment, so these flood maps should be considered indicative only. The mapped areas of flood risk show higher probability of inundation. Other areas have lower probability of flooding, but in severe and rare events (rarer than 1%AEP), other lower areas may be also at risk of inundation.

storm and flood ready

Staying informed and further information

Current warnings (TasAlerts)	TasALERT.com
Bureau of Meteorology (BoM)	bom.gov.au/tas/warnings
Emergency Broadcasters	ABC 936AM
TASSES Social Media	facebook.com/sestasmania
Preparing for Flood Emergencies	ses.tas.gov.au/flood-plan/
Clarence City Council	ccc.tas.gov.au clarence@ccc.tas.gov.au 6217 9500
National Relay Service (NRS)	relayservice.gov.au

000 EMERGENCY

For flood assistance call

132 500

ses.tas.gov.au/flood-plan

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