



**Our Resilient Coast.  
Our Future.**

## Resilient homes

### What does a resilient home look like?

In coastal areas, private dwellings may be exposed to impacts from coastal hazards, including flooding associated with storm tide inundation. Smart choices for features of your home can reduce the impact of flooding. It is worth considering these top tips for a resilient home (next page).

Some of these changes may have higher initial upfront costs but provide a longer-term benefit. Making these changes over time can reduce damage from future flooding, and help you get back to normal quicker after a flood event.

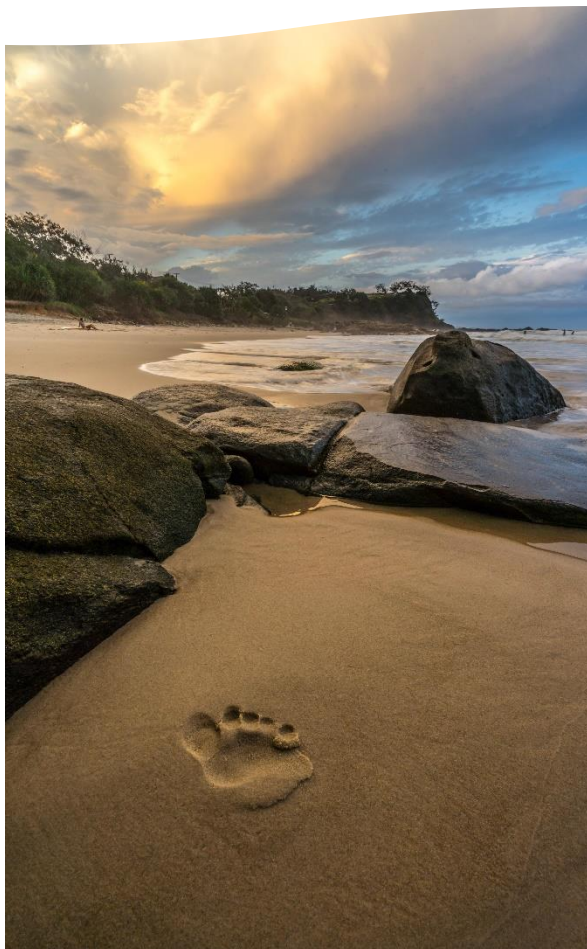


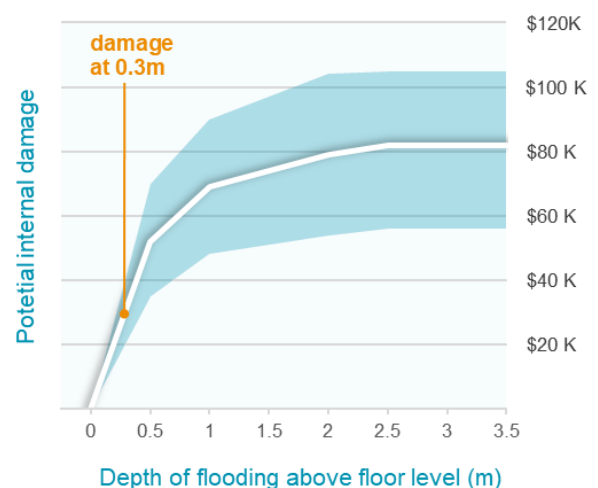
Image credit: Lukas Deroo



Image credit: Bree Anderson

### Flood depth and damage

A relative shallow floodwater depth (10 - 30 cm) can cause substantial damage to the interior of a dwelling (Figure 1). A water depth in the order of 30 cm can often require rewiring, reflooring and replacement of appliances. Investing early in adaptation measures can significantly reduce the damage to your home and the costs associated with clearing up. The top tips for a resilient home are recommended even if your dwelling is only exposed to relatively minor flood events.



**Figure 1. Indicative internal damage cost compared to depth of flooding in residential buildings. Shaded area represents uncertainty and variation from a number of studies.**



## Top tips for a resilient home:

### Around the house



Raise electrical power outlets above waist height to reduce damage during a flood and allow power to be restored more quickly



Look at different floor and wall covering options. Tiles and waterproof grout are much easier to clean after a flood than wallpaper or carpet

### Living room



Raise TVs, speakers, WiFi modems and other electricals above waist height or mount on walls if possible to reduce damage during a flood

### Bathroom



If fitting a new bathroom, think about a free-standing bath or shower that is easier to clean around after a flood rather than a fixed bath

**NOTE:** Consult a Registered Professional Engineer Queensland (RPEQ) structural engineer for all structural alterations

### Kitchen and laundry



Raise fridges, freezers, kitchen appliances and cupboards on plinths or stands with removable kickboards to reduce damage and make cleaning up easier



If replacing electrical appliances think about appliances which can be lifted or placed in higher locations such as a front-loading washing machine on a shelf or plinth instead of a top loader on the ground.

### Bedroom



Metal or raised bed frames and other furniture will be easier to clean up than divan or upholstered furniture

### Outside



Place work benches along the inside of garage walls to help reinforce the walls and reduce damage from floodwaters and strong winds



Further ideas for resilient homes can be found here:

- Flood Resilient Homes Program - <https://www.citysmart.com.au/floodwise/>
- Flood-resilience strategies - <https://www.citysmart.com.au/content/uploads/2019/08/FWHS-Flood-resilience-Strategies.pdf>
- Resilient Queensland – Resilient homes - <https://www.qra.qld.gov.au/resilient-homes>