

Portbury to Clevedon

Existing defences and probability of flooding

Properties currently have less than 1 in 200 chance of tidal flooding in any year.

Several listed buildings and 4 scheduled monuments will benefit from a sustained level of protection.

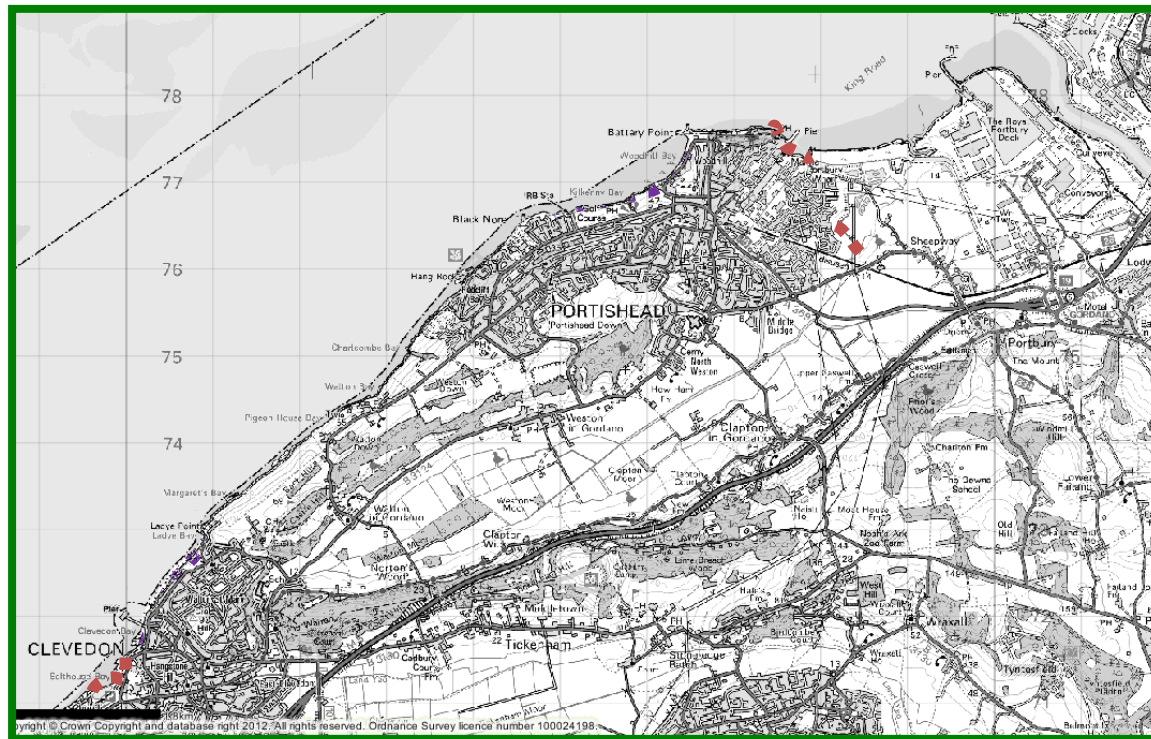
In the future, as sea levels and storminess increase, the level of flood risk will increase.

Continued maintenance by the Environment Agency, landowners and other authorities is required to ensure defences continue to be effective.

Sea level rise note

The UKCP09 medium emissions scenario projects about 0.1m of sea level rise by 2030, about 0.3m by 2060, and about 0.7m by 2110.

Currently sea level is rising at about 2 to 2.5mm a year. If this rate were to continue, sea level rise would be less than what is projected by the UKCP09 medium emissions scenario.



How these options were reached

The seaward defence between Portishead and Portbury Docks will not be maintained into the future (not shown on map). The inland defence provides a more effective and higher defence standard (marked in red on the map).

At Portishead, the Environment Agency intends to maintain the defences into the medium to long term future (as funds allow).

At Woodhill Bay, the frontage is not maintained as a defence because there are no properties or critical infrastructure at risk of flooding. For this reason, the site is a very low priority for funding (for improvement or maintenance).

Key



Defences maintained by the EA
Other defences

What can be done?

Raised defences which are maintained by the Environment Agency have a remaining life of at least 50 years.

Flood defences between Portishead and Portbury Docks will be provided by the inland defences (marked in red on the map).

At Portbury Docks, the existing high ground will continue to provide defence.

At Portishead the defences will be maintained, as funds allow. After 2030 the defences or ground levels could be raised to keep pace with climate change. This will protect approximately 3600 properties and infrastructure.

At Woodhill Bay, the frontage will not be maintained as a flood defence because there are no homes or critical infrastructure in the floodplain, and there are alternative routes to the coastal road. The structures will still provide a defence to adjacent land.

At Clevedon, Marshalls Bank provides protection for flooding greater than 1:200 year event.

Landowners can help to maximise the life of defences by ensuring their activities do not cause unnecessary damage.