

Newport

Existing defences and probability of flooding

Around 3,700 properties currently benefit from the existing tidal defences.

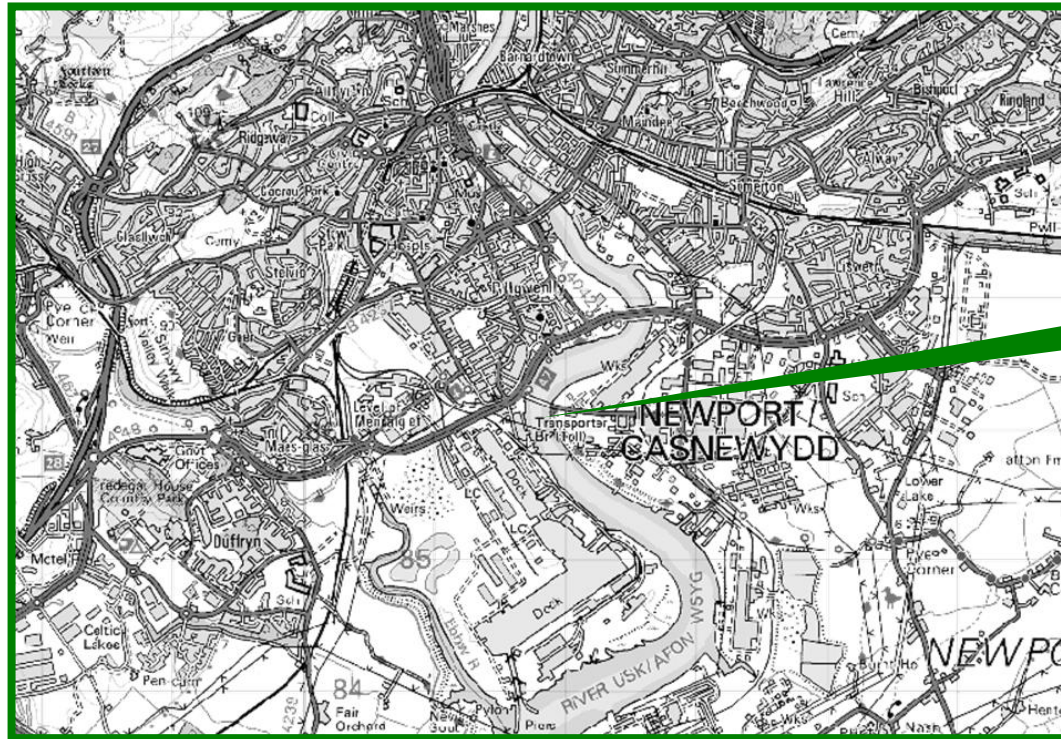
Important protected infrastructure includes power transmission lines, major transport routes, a power station and Newport dock.

Most properties have a risk of tidal flooding of a 1 in 200 chance or less in any one year.

Along the River Usk there are earth embankments and walls. The majority of the defences or land raised for new development through Newport are not owned by the Environment Agency.

Although some of the existing defences have been built up informally over the years, they can be maintained and improved as required.

There are short sections of defence near the Transporter Bridge which are at an inconsistent level and in relatively poor condition.



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 then sea level rise would be less than what is projected by the UKCP09 medium emissions scenario.

How these proposals were reached

There is a strong economic case for improving defences if flood risks increase.

What can be done?

We will continue to work with developers to ensure new developments contribute to better flood protection, as has happened recently in the City Centre.

We aim to work with Newport City Council and local businesses to make improvements to the weaker sections of defences around the Transporter Bridge in the next 5-10 years.

This would ensure that the chance of tidal flooding remains at 1 in 200 or less in any year and is consistent across this area.

We will continue to work with Newport City Council to ensure new development takes account of Technical Advice Note 15 (TAN15) – Development and Flood Risk.