

Central Rhyl Coastal Defences Scheme



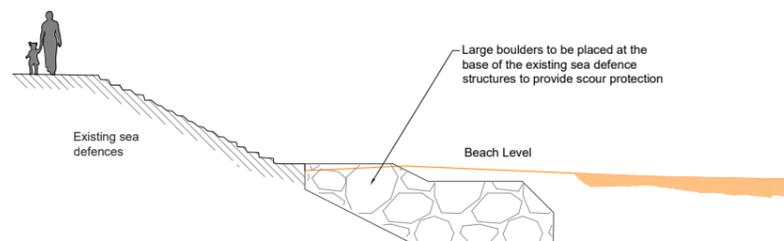
Overview of the Central Rhyl Coastal Defences Scheme

Rhyl is protected from coastal flooding by defence structures along the seafront, dating from the 1950s or earlier.

However, the **existing coastal defences along the Central Rhyl frontage are deteriorating**, and no longer meet required standards. Without intervention these defences will ultimately fail, resulting in increased flood risk to the people, property, and tourist economy in central Rhyl, and jeopardising plans to regenerate the town. The effects of climate change are expected to worsen the situation over time due to rising sea levels.

As a result, **Denbighshire County Council is currently investigating options to improve the existing coastal defences** at Central Rhyl in line with the protection provided by the adjacent defences at East Rhyl (currently under construction) and at West Rhyl (recently completed in 2015).

The progression of a scheme in Central Rhyl is **subject to the availability of funding**, an environmental impact assessment, and obtaining the relevant planning and environmental permissions.



Typical example of the potential scour protection works



Typical examples of existing step revetment and seawall at Rhyl

Scheme components

There is no guarantee that the scheme will go ahead at this stage, but if a coastal defence improvement project does progress at Central Rhyl, **it will likely comprise the following elements:**

- Rock armour scour protection (large boulders used to break waves) and concrete repairs to the existing sea wall, along the eastern part of the frontage (next to the ongoing East Rhyl coastal defence project)
- New concrete stepped revetment (sloping concrete structures used to absorb energy from waves and provide access to the beach) along the western part of the frontage (next to the previously completed West Rhyl coastal defences)
- A new flood defence wall and raising the level of the promenade, also along the western part of the frontage
- Improved access to the beach and an improved promenade for walkers and cyclists
- Possible widening of narrower sections of the promenade

Measures will be put in place to mitigate any disruption and environmental impacts that may arise as a result of the construction, for example impacts on noise levels, vibration, or air quality.

Timelines

Subject to successfully obtaining funding and the necessary environmental and planning permissions, construction of the scheme is **provisionally set to commence in 2022**. Works are likely to take around two and a half years to complete.

Next steps

We are currently progressing with scheme designs and, subject to an environmental impact assessment, aim to submit applications for planning consent and environmental permits later in 2021. There will be opportunities to provide feedback before these are submitted.

Would you like to provide feedback now?
If you would like to provide some feedback now on the coastal defence scheme, please visit the designated information and feedback webpage at: <https://countyconversation.denbighshire.gov.uk/project/598>

