

Ramsey Island Sea Defence Repair Method Statement

February 2025

Reason for works

Ramsey Island is a NNR, SSSI, SAC and SPA and is owned and managed by the RSPB. The island has two seasonal resident wardens and receives c. 4000 visitors per year. The island's harbour provides the only access to the island.

Due to an increase in storms and general erosion over time, part of the wall at the rear of the harbour has washed away and is in danger of collapse. Repair works are required to maintain access to the island.

Description of activity

The repair works will involve replacing and strengthening the wall at the rear of the harbour, replacing stonework above and backfilling the eroded area with concrete behind the new strengthened wall. See below labelled photograph showing existing damaged wall.



Notes on the works

- Materials will be brought to site via sea. Vessels will be loaded at Porthclais and will land materials in Ramsey harbour. Vessels used will include the following: 2.8m x 6m Barge and 3.2m x 10m Landing Craft
- The island has an existing crane which will be used to lift materials from vessels onto the harbour wall, this is in line with how all deliveries arrive on Ramsey.
- Materials will be moved by hand once on the harbour wall.
- Some of the works will take place seaward of Mean High Water Springs but all works will be above Mean Low Water.

- Access scaffold will be used to access the site from the track above, this will minimise works from the beach.
- The works will be carried out between April and August 2025.
- The works will be dependent on weather and neep tides so it is not possible to give a more specific timescale however we envisage the works to take a total of 1 month working around tides and weather.
- Works will be completed before the end of August to avoid any disturbance to pupping grey seals.
- No material will be removed from site although some stone and infill from the existing wall is now lying on the beach and will need to be reused in the repair work to match as near as possible the existing surrounding structure.
- Stone, concrete and steel reinforcing bars will be used to complete the repair. Materials will include:
 - 20 tonnes of 20mm aggregate and 4.5 tonnes of cement which will make C35 concrete.
 - 50m of 19mm steel reinforcing bar.
 - Timber shuttering which will removed on completion.
- The risk to the marine environment from this project is minimal however biosecurity measures will be in place throughout the project
- The location and type of work is not predicted to have any impact on the island's wildlife however RSPB staff will be on hand at all times to advise should this be necessary.
- Works will only take place during daylight hours and within Ramsey harbour so there will be no impact on navigational safety.