

Morlais, Nefyn

Shoreline Management Plan

This document has been prepared by Datrys Engineers in support of the Marine License application reference CML2407. The proposal is located within Shoreline Management Plan Sub Cell 19, Policy Development Zone 15.3 (North Llyn, Porth Nefyn West).

The Policy Plan for the short term (2005-2025) and medium term (2025-2055) is to 'Hold the Line', whilst the long term policy (2055-2105) is 'Managed Realignment'.

The management policy definition for 'Hold the Line' is as follows: maintain or changing the existing standard of protection.

The management policy definition for 'Managed Realignment' is as follows: allow the shoreline to move backwards and forwards, with management to control or limit the movement.

Typical seawall lifespan data varies with type, location and workmanship as well as other factors, however it is estimated that a typical sea wall is expected to last between 15-50 years before maintenance is to be expected. As such, we believe that the proposed works at Morlais is in line with the Policy Plan up to 2055, which is to 'Hold the Line', by replacing the existing sea defence with a similar structure.

DELIVERY OF THE PLAN

SUMMARY OF SPECIFIC POLICIES

| Policy Unit | | Policy Plan | | | Comment |
|--|---------------------------------------|-------------|------|------|--|
| | | 2025 | 2055 | 2105 | |
| 15.1 | Carreg Ddu to Trwyn y Tal | NAI | NAI | NAI | Overarching policy setting the base intent for the zone. |
| 15.2 | Porth Dinllaen, including Morfa Nefyn | HTL | MR | MR | This would require detailed planning for adaptation at Porth Dinllaen and managed retreat at the access at Morfa Nefyn |
| 15.3 | Porth Nefyn West | HTL | HTL | MR | Overarching policy setting the base intent for the zone. |
| Key: HTL - Hold the Line, A - Advance the Line, NAI – No Active Intervention MR – Managed Realignment | | | | | |

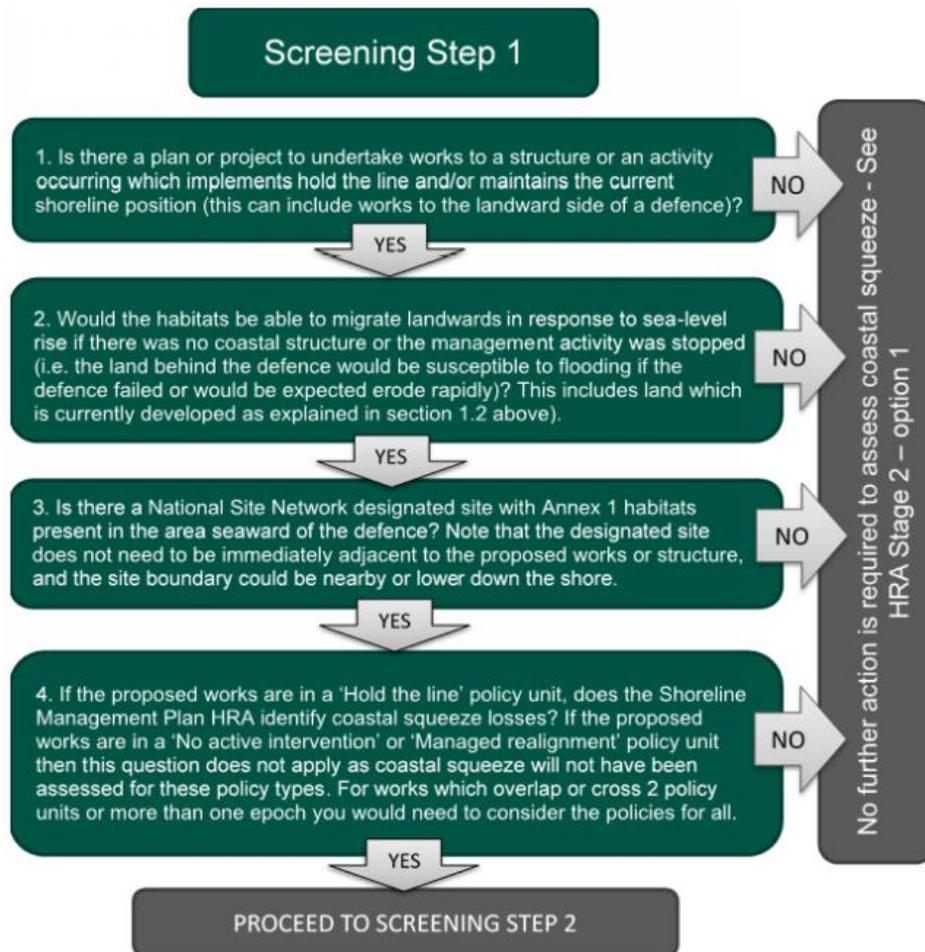
PREFERRED POLICY TO IMPLEMENT PLAN:

| | |
|-------------------------|---|
| From present day | Maintain existing defences. Continue to address safety issues at Nefyn with respect to landslips. Develop adaptation planning. Examine potential funding. |
| Medium term | Maintain defences while moving towards adaptive management. |
| Long term | Implement community based adaptation. |

Screening for potential coastal squeeze.

The first step of screening for coastal squeeze is illustrated below:

Figure 1 Flow chart to illustrate Screening Step 1



1. We are implementing a 'Hold the Line' policy by replacing the existing sea defence.
2. As part of the project, there will a footpath extending from the sea defence up the slope towards high ground.
3. There is no National Site Network designated site within Annex 1 of the coastal squeeze guidance seaward of the defence.

Therefore no further action is required to assess coastal squeeze.