CASE STUDY

SSMO closed areas

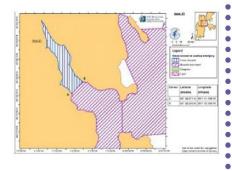
Project Partners: Shetland Shellfish Management Organisation (SSMO) and UHI Shetland (formally NAFC Marine Centre UHI)

Aim:

 Protect sensitive inshore seabed habitats from damage by mechanical dredging by scallop fishing boats



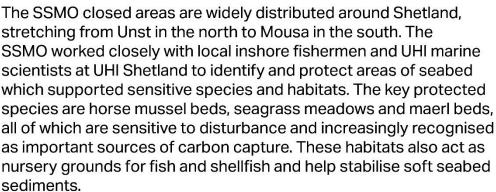






Outcome

As of 2025 a total of 26 closed areas were identified covering 29.9km² of inshore seabed. These closed areas sit among other statutory marine planning protections within the Shetland Islands Regional Marine Plan, helping safeguard against harmful manmade developments or activities. They are an extra layer of habitat protection for Shetland not widely replicated elsewhere in Scotland.



Approach

This is an example of fishermen, scientists and managers in Shetland working together proactively for the benefit of a healthy and diverse marine environment. The areas were initially closed voluntarily to scallop dredging in 2011 prior to being surveyed by UHI marine scientists. This involved multi-beam acoustic surveys and use of drop-down camera equipment to verify the spatial extent and abundance of the habitats. Once the data were assessed, the SSMO was able to refine the areas, then use its shellfish management powers delegated from the Scottish government to implement a formal ban on dredge fishing. Further surveys have taken place since 2011 when new reports of maerl and horse mussels have emerged, and these have been surveyed by UHI Shetland, and subsequently protected by the SSMO.



UHI SHETLAND

This case study was co-written with the Shetland Shellfish Management Organisation (SSMO) and forms part of a wider document produced by UHI Shetland, co-developed with the Shetland community and funded by the Marine Fund Scotland.

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Recommended citatation:

Riley, T.G., Gielser, R. J., Allan, K. & Shucksmith, R. (2025) Guiding Principles for Marine Restoration and Enhancement in the Shetland Islands: Insights from Community Feedback. Shetland UHI report. p28.

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