**Douglas Bay Marine Nature Reserve**

**Kemmyrk Bea-Varrey Baie Ghoolish**

**Why Protect the Marine Environment?**

The past 50 years have seen global declines in the health of our seas, which not only reduces species and habitats, but also the economic and social benefits we enjoy.

**Threats to the marine environment include:**
- Habitat loss
- Pollution
- Invasive species
- Over-fishing
- Climate change

By protecting areas of the sea as marine reserves, we can conserve and restore healthy habitats, providing refuges for spawning and nursery grounds for juveniles to help build stocks of king and queen scallops over time. For example, the designation of Douglas Bay MNR helps protect this iconic species.

Linked with the UNESCO Biosphere Isle of Man status, the designation and careful management of MNRs can lead to the sustainable development of coastal areas; enhancing our experiences, economy and tourist appeal.

The Isle of Man territorial sea is a shared resource used by commercial fishermen, recreational anglers, a wide variety of commercial, leisure and scientific interests, as well as the Manx community.

**People who use the sea regularly have a wealth of knowledge which can complement the scientific information collected by DEFA and our partner organisations.**

We welcome input from anyone with information, ideas and experiences to share.

**Information For Anglers**

The best time for sea fishing is between April and September with plankton populations blooming in the warmer months. This attracts sand eels, shools of mackerel, herring, pollack, cod, grey mullet and tope. There is good bass fishing up to the end of October and in winter you’re likely to find codling, saithe and dogfish in Manx waters.

**Location:** Douglas Bay and Douglas Head  
**Type:** Breakwater, shore and rock fishing  
**Amenities:** Around the island’s capital you’ll find shops, eateries and public toilets in the town centre. Free car parking is available around the harbour area.

**Location:** Port Soderick  
**Type:** Rock, breakwater and shore fishing  
**Amenities:** This secluded site offers free parking although nearest amenities, including public toilets, are a few miles away in Douglas.

**Does Your Catch Measure Up?**

Although you don’t need a licence for saltwater angling remember to observe minimum landing sizes for each species. These are displayed on boards at all main harbours or find online, along with other useful fishing information, at: [www.gov.im/recreationalfishing](http://www.gov.im/recreationalfishing)

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**Additional Protected Areas**

Around the Manx coast there are 11 Areas of Special Scientific Interest (ASSIs) and 1 National Nature Reserve (NNR). These designated areas of land, which include the intertidal zone, have legal protection due to their special fauna, flora, geographical or physical features.

**ASSIs** are areas of private or public land whose owners/occupiers require consent from DEFA before undertaking activities that may damage its special features. **All coastal ASSIs are accessible to the public.**

**NNRs** are areas protected via specific byelaws to ensure that reserve visitors behave responsibly.

The nearest protected area to Douglas Bay MNR is:

- **Santon Gorge & Port Soderick ASSI.**

For further information about Marine Nature Reserve **Reserves contact DEFA Fisheries on:**

- [01624 685857  
  fisheries@gov.im](http://www.gov.im/protectedsites) or use the QR Code.

DEFA, Thie Slieau Whallian, Foxdale Road St John’s, Isle of Man, IM4 3AS

**Other Species to Spot**

- Minke whales (May-October)  
- Bottlenose dolphins (mostly winter)  
- Risso’s dolphins (mostly summer)  
- Various seabirds

**Spotter Sheets**

Print off a ‘species spotter sheet’ for each MNR from our website and use it when exploring your local Marine Nature Reserve. The QR code on this leaflet will take you there, or use: [www.gov.im/MNR](http://www.gov.im/MNR)

**#MyManxMNR**

Share your MNR experiences and the wonderful world of everything marine by submitting your images online using the hashtag **#MyManxMNR**

**Blueways Trails**

The Blueways Trails offer a sense of what goes on around the Isle of Man’s seas and shorelines by providing a good example of how conservation and development can harmonise. From snorkel safaris to maritime history, from wildlife watching to geology, there is much to discover. For details, please visit: [https://www.visitisleofman.com/blog/read/2018/06/discover-the-islands-blueways-b139](http://https://www.visitisleofman.com/blog/read/2018/06/discover-the-islands-blueways-b139)

**Raad ny Foillan**

Manx Gaelic for ‘The way of the gull’; take a wander along the island’s coastal footpath. At almost 160km/100 miles in length it’s the perfect way to see our coastline. Details can be found here: [https://www.visitisleofman.com/things-to-do/activities/walking-and-hiking/raad-ny-foillan-coastal-footpath](https://www.visitisleofman.com/things-to-do/activities/walking-and-hiking/raad-ny-foillan-coastal-footpath)

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Marine Nature Reserves (MNRs)

What is a Marine Nature Reserve?
Marine Nature Reserves (MNRs) are a type of marine protected area, usually established to conserve particular species and habitats, or enable their recovery, and where the most damaging activities and impacts are excluded. Marine Protected Areas are a well-established method for achieving these objectives and have been successfully used worldwide.

Manx Marine Nature Reserves
There are 10 MNRs around the Isle of Man, forming a network that has been developing since 1989. Some areas, such as the first protected site, at Port Erin, and Ramsey Bay Marine Nature Reserve, have been well-studied and are examples of how conservation can benefit commercial and recreational fisheries and the marine environment. Manx MNRs now cover 430km², around 52% of the 0-3 nautical mile area, or 11% of the whole territorial sea.

Douglas Bay MNR
Douglas Bay MNR is only 4.6km², but surprisingly full of interesting wildlife, despite being so close to our largest town and busy port. Closed to scallop fishing in 2008 to act as a source for scallop larvae, the bay continues despite being so close to our largest town and busy port. Closed to scallop fishing in 2008 to act as a source for scallop larvae, the bay continues to provide pot fishing for crab and lobster and recreational angling. The Douglas Bay MNR extends inshore from Onchan Head to Douglas Head, excluding the inner harbour area. Despite being a busy commercial port, the area is regularly used by bottlenose dolphins and Risso’s dolphins, cormorants and black guillemots.

Important species within Douglas Bay MNR
- Great cormorant
- Common shag
- Beaumont’s nudibranch
- Harbour porpoise
- European eel
- Bottlenose dolphin

Important habitats within Douglas Bay MNR
- Rocky reefs
- Kelp forests
- Maerl beds
- Spawning ground

MNR General Restrictions
- No mobile fishing gear (dredge or trawl)
- No extraction or deposit of materials
- No damage to protected habitats or species
- No anchoring in eel grass areas

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- Kelp forests
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Rocky reefs
Rocky reefs provide an attachment site for various marine animal and algal species. Over time, wave action creates crevices that increase the available habitat. The rocky intertidal zone is routinely covered and uncovered by the tides and species that live here have special adaptations that allow them to cope with a constantly changing environment. Rocks that occur below the waterline often host a wide range of different species providing protection and a good feeding location.

Kelp forests
Kelp seaweeds grow close to shore creating the equivalent of underwater forests. They have similar structures to terrestrial plants; the holdfast (like a root), stipe (like a stem) and blades (like leaves), and establish on hard rock surfaces which they anchor to with the holdfast. Kelp provide a 3D habitat for a diverse range of species; worms, molluscs and crustaceans hide in the holdfast and the blades host bryozoans, juvenile fish and other species that colonise the surface. Kelp also plays an important role in marine foodwebs, providing a food source for fish, urchins and the beautiful blue-rayed limpet.

Maerl bed
Maerl is a coraline red ‘seaweed’ which creates a colourful, fine-branching reef upon the seabed. This habitat has high species diversity, with shellfish, anemones, urchins, crabs, shrimp, worms and fish found here. It also provides a fantastic nursery ground and refuge for juvenile queen scallop and wrasse - two of the commercially important species found in Manx waters. Maerl also plays a part in slowing the effects of climate change, by depositing calcium carbonate and acting as a ‘blue carbon store’.

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