

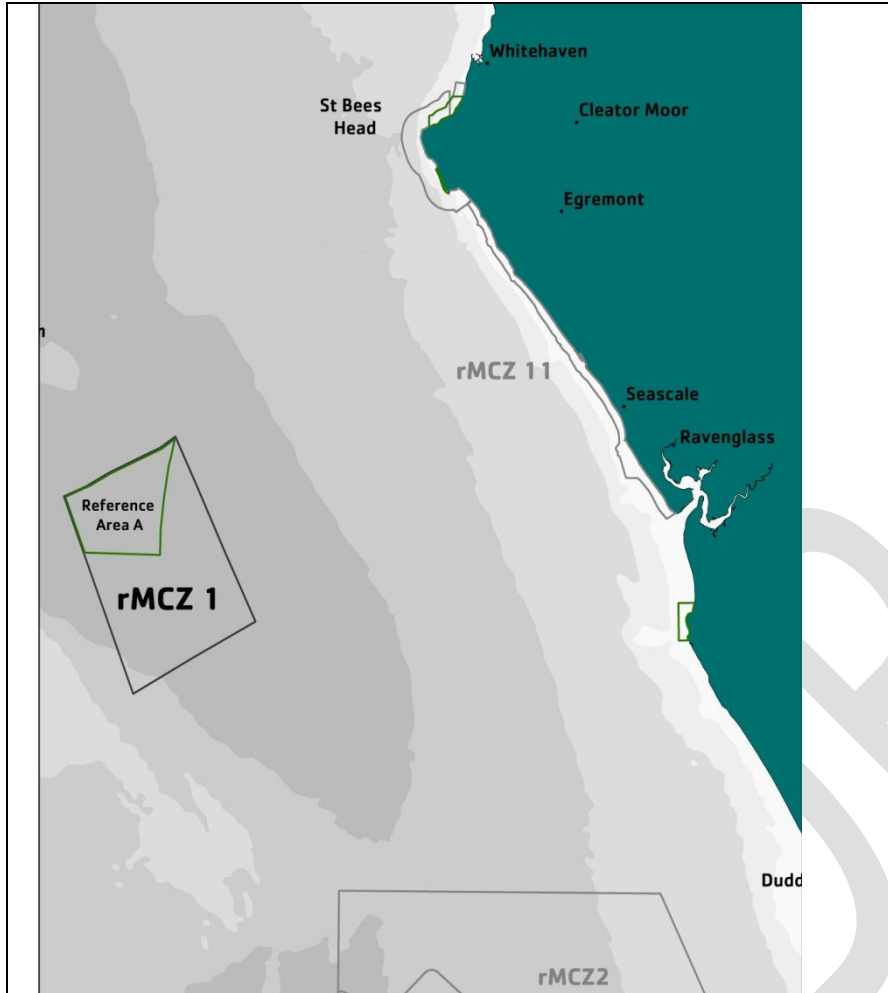
Irish Sea Conservation Zones

Marine Conservation Zones Stakeholder Recommendations

Please note that management assumptions presented here, are realistic assumptions developed for the impact assessment, based on advice from the statutory nature conservation bodies. They do not pre-judge the site-specific management that could actually happen in practice.

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 1



Features proposed for designation within the site(s) and the conservation objectives:

	rMCZ 1	Ref. Area A
Broad Scale Habitats	Cons. Obj.	Cons. Obj.
Subtidal Mud	Recover	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.
Mud Habitats in Deep Water	Recover	Reference
Seapens and burrowing Megafauna	Recover	Reference

Activities that need to be managed in rMCZ 1:

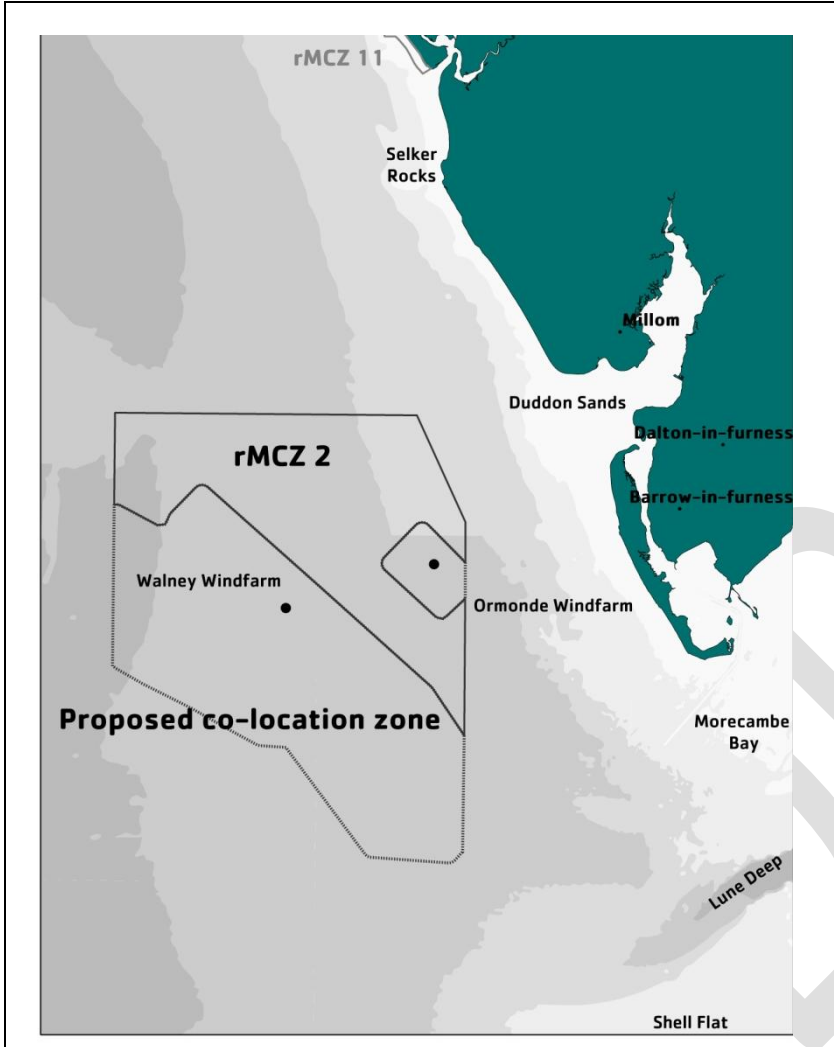
Activities known to take place in the site that <u>need to be managed:</u>	Activities known to take place in the site that <u>need to be managed through existing regulation:</u>	Activities known to take place in the site that <u>do not need to be managed:</u>
Bottom trawling Scallop & quenie dredging	Military activity	Mid-water trawling Recreation Angling Transit of vessels

Activities known to take place in the site that need to be prohibited in Ref. Area A:

All fisheries, angling, anchoring of vessels, and diving.

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 2



Features Within Site and Conservation Objectives:

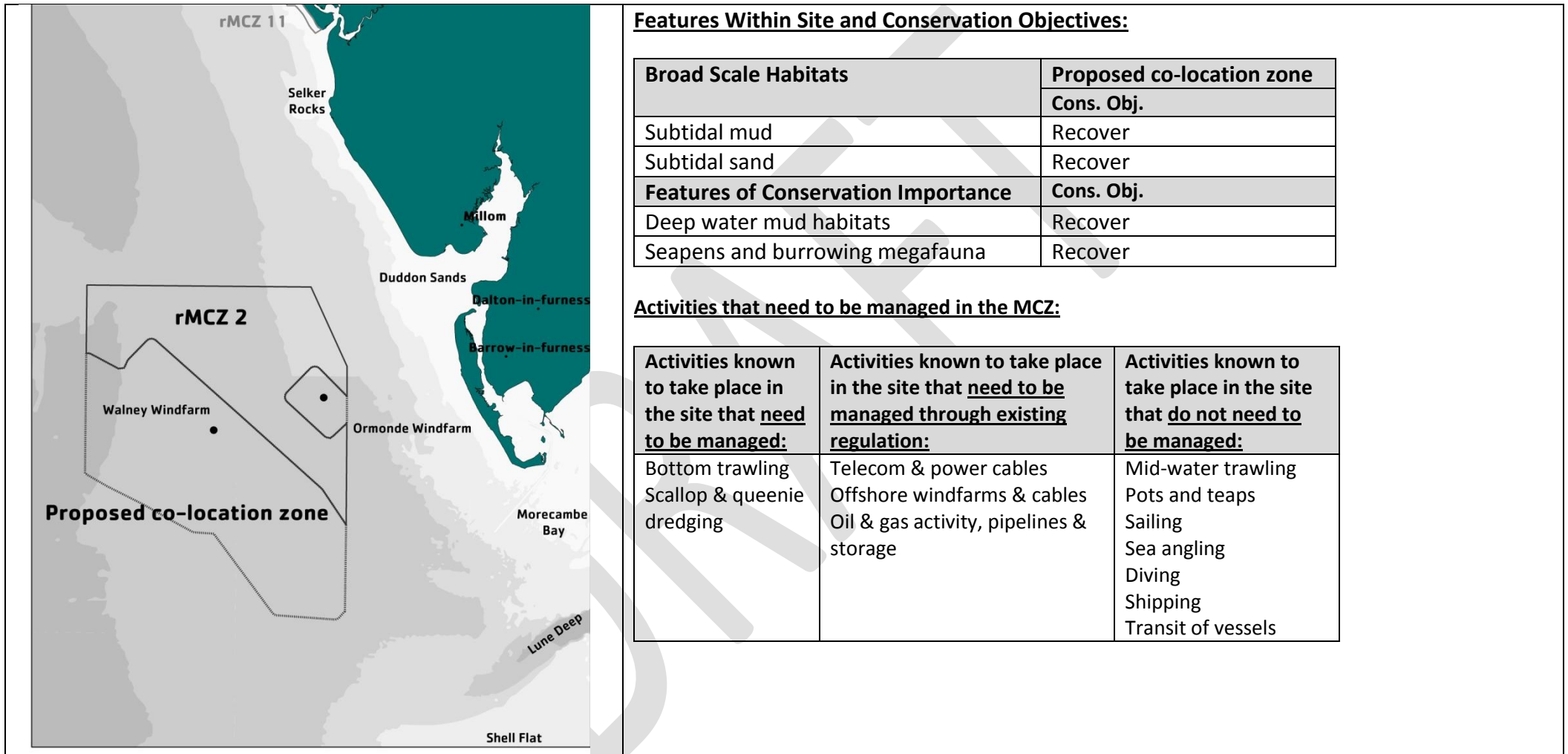
Broad Scale Habitats	rMCZ 2
Features of Conservation Importance	Cons. Obj.
Subtidal mud	Recover
Deep water mud habitats	Recover
Seapens and burrowing megafauna	Recover

Activities that need to be managed in the MCZ:

Activities known to take place in the site that <u>need to be managed:</u>	Activities known to take place in the site that <u>need to be managed through existing regulation:</u>	Activities known to take place in the site that <u>do not need to be managed:</u>
Bottom trawling Scallop & queenie dredging	Telecom & power cables Offshore windfarm cables Oil & gas activity, pipelines & storage Military activity	Mid-water trawling Netting Pots and traps Sailing Sea angling Diving Shipping Transit of vessels

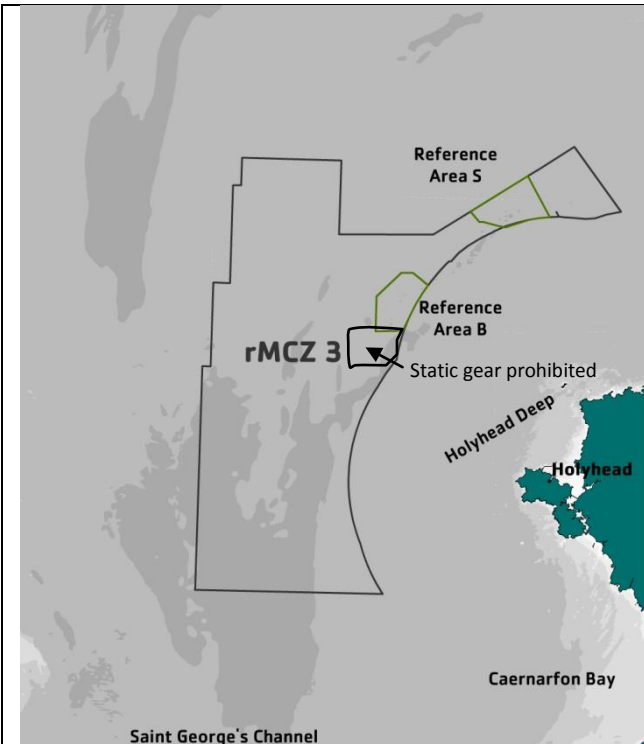
Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Proposed Co-location Zone (subject to further discussions)



Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 3



Activities known to take place in the site that need to be prohibited in Ref. Areas S & B:

All fisheries, angling, anchoring of vessels and diving

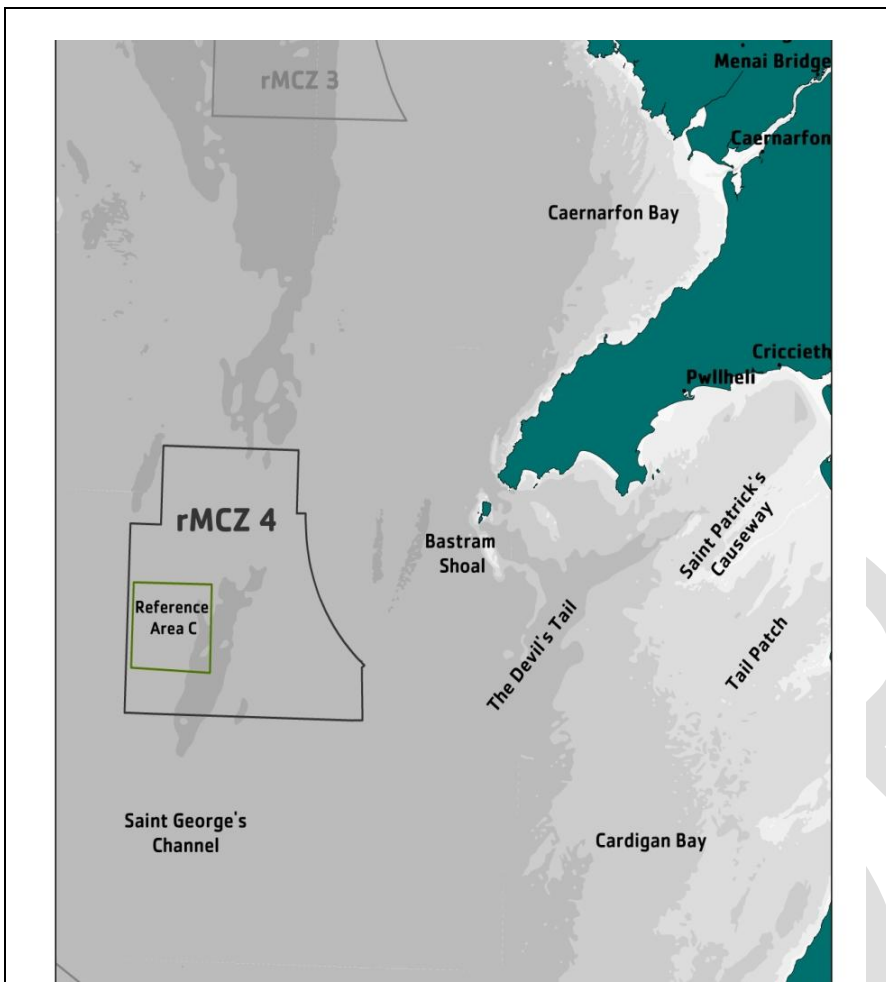
Features Within Site and Conservation Objectives:

	rMCZ 3	Ref. Area B	Ref. Area S
Broad Scale Habitats	Cons. Obj.	Cons. Obj.	Cons. Obj.
High Energy Circalittoral Rock	Maintain	Reference	-
Moderate Energy Circalittoral Rock	Maintain	Reference	Reference
Subtidal Mixed Sediment	Maintain	-	Reference
Subtidal Coarse Sediment	Maintain	Reference	Reference
Subtidal Sands	Recover	-	Reference
Subtidal Biogenic Reefs	Recover	-	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.	Cons. Obj.
Subtidal Sands and Gravels	Recover	Reference	-
Horse Mussel (<i>Modiolus modiolus</i>) Beds	Recover	-	Reference

Activities that need to be managed in the MCZ:

<u>Activities known to take place in the site that need to be managed:</u>	<u>Activities known to take place in the site to be managed through existing regulation:</u>	<u>Activities known to take place in the site that do not need to be managed:</u>
Bottom trawling Pots and traps (only in part of site)	Telecom & power cables Offshore windfarms & cables Military activity	Mid-water trawling Netting Scallop & queenie dredging Hooks and lines Shipping Transit of vessels

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.



Features Within Site and Conservation Objectives:

	rMCZ 4	Ref. Area C
Broad Scale Habitats	Cons. Obj.	Cons. Obj.
Moderate Energy Circalittoral Rock	Maintain	Reference
Subtidal Coarse Sediment	Recover	Reference
Subtidal Mixed Sediment	Recover	Reference
Subtidal Sands	Recover	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.
Subtidal Sands and Gravel	Recover	Reference

Activities that need to be managed in the MCZ:

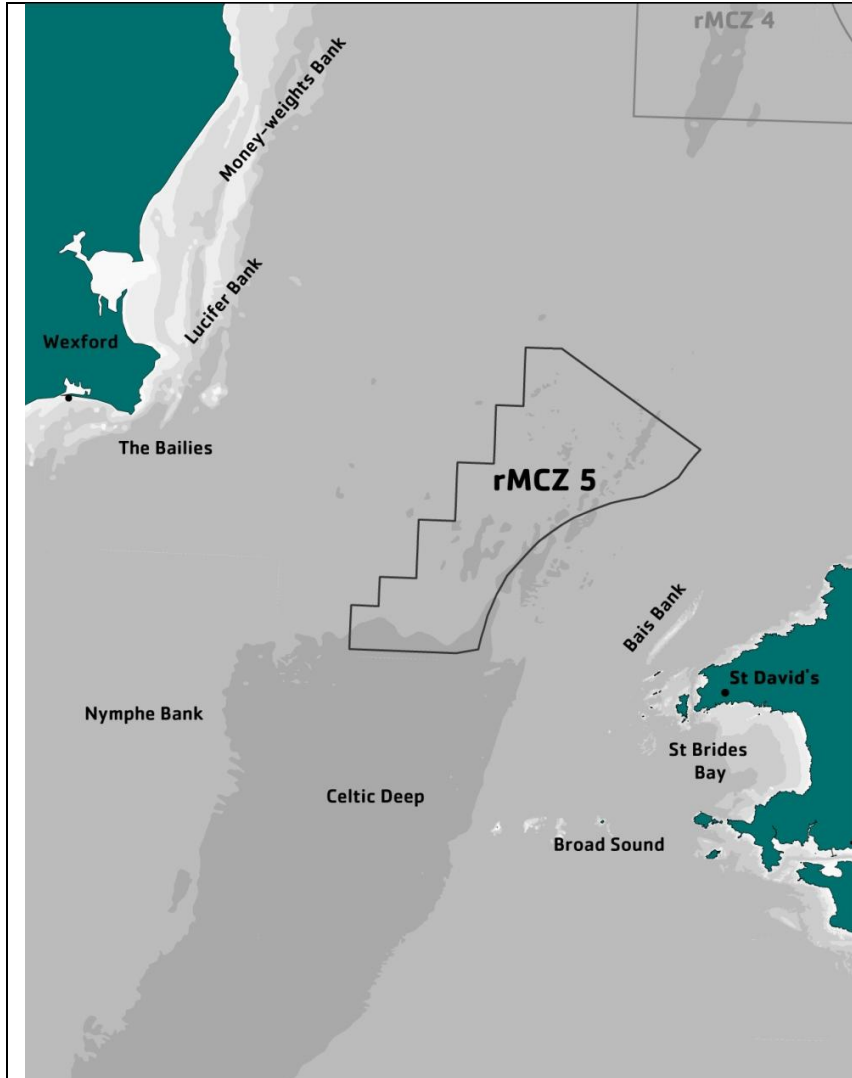
Activities known to take place in the site that <u>need to be managed:</u>	Activities known to take place in the site <u>to be managed through existing regulation:</u>	Activities known to take place in the site that <u>do not need to be managed:</u>
Bottom trawling	Military activity	Netting Hooks and lines Mid-water trawling Pots and traps Scallop & quenie dredging Sailing Angling Shipping Transit of vessels

Activities known to take place in the site that need to be prohibited in Ref. Area C:

All fisheries, angling, military activity, anchoring of vessels and diving

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 5



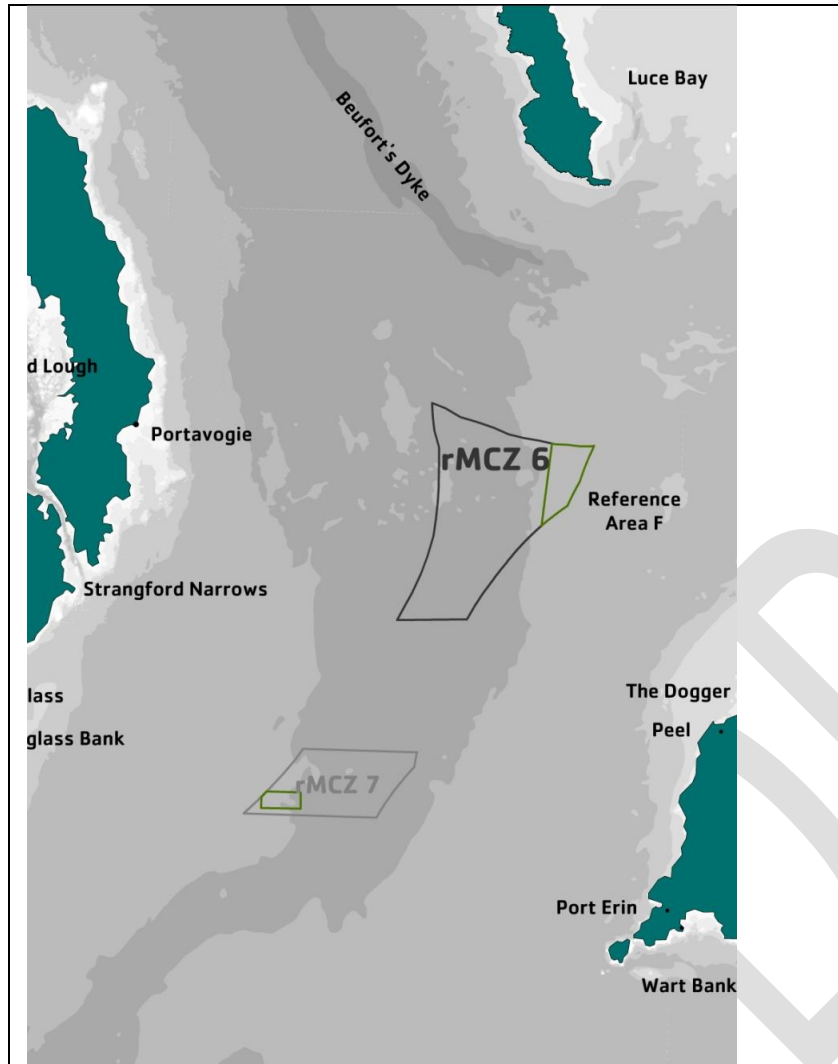
Features within site and conservation objectives:

rMCZ 5	
Broad Scale Habitats	Cons. Obj.
Moderate Energy Circalittoral Rock	Maintain
Subtidal Coarse Sediment	Recover
Subtidal Sands	Recover
Features of Conservation Importance	Cons. Obj.
Subtidal Sands and Gravels	Recover

Activities that need to be managed in the MCZ:

Activities known to take place in the site that <u>need to be managed:</u>	Activities known to take place in the site <u>to be managed through existing regulation:</u>	Activities known to take place in the site that <u>do not need to be managed:</u>
Bottom trawling	Telecom & power cables	Netting Hooks and lines Scallop & queenie dredging Sailing Shipping Transit of vessels

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.



Features within site and conservation objectives:

	rMCZ 6	Ref. Area F
Broad Scale Habitats	Cons. Obj.	Cons. Obj.
Subtidal Mud	Recover	Reference
Low Energy Circalittoral Rock	Recover	-
Subtidal Sands	Recover	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.
Deep Water Mud Habitats	Recover	-
Ocean Quahog (<i>Arctica islandica</i>)	Recover	Reference
Sea-pen and burrowing megafauna communities	Recover	-

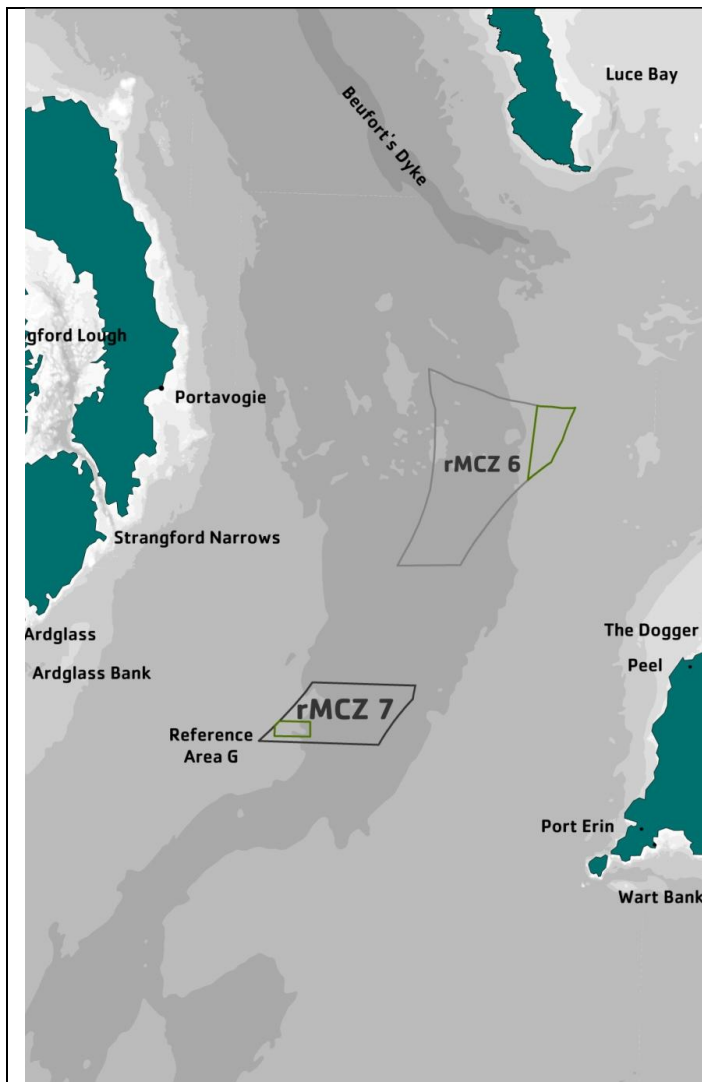
Activities that need to be managed in the MCZ:

Activities known to take place in the site that <u>need to be managed</u>:	Activities known to take place in the site <u>to be managed through existing regulation</u>:	Activities known to take place in the site that <u>do not need to be managed</u>:
Bottom trawling Scallop & queenie dredging	Telecom & power cables Military	Mid-water trawling Transit of vessels Shipping

Activities known to take place in the site that need to be prohibited in Ref. Area F:

All fisheries, military activity, angling, anchoring of vessels and diving

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.



Features Within Site and Conservation Objectives:

	rMCZ 7	Ref. Area G
Broad Scale Habitats	Cons. Obj.	Cons. Obj.
Low Energy Circalittoral Rock	Recover	Reference
Subtidal Mud	Recover	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.
Deep Water Mud Habitats	Recover	Reference

Activities that need to be managed in the MCZ:

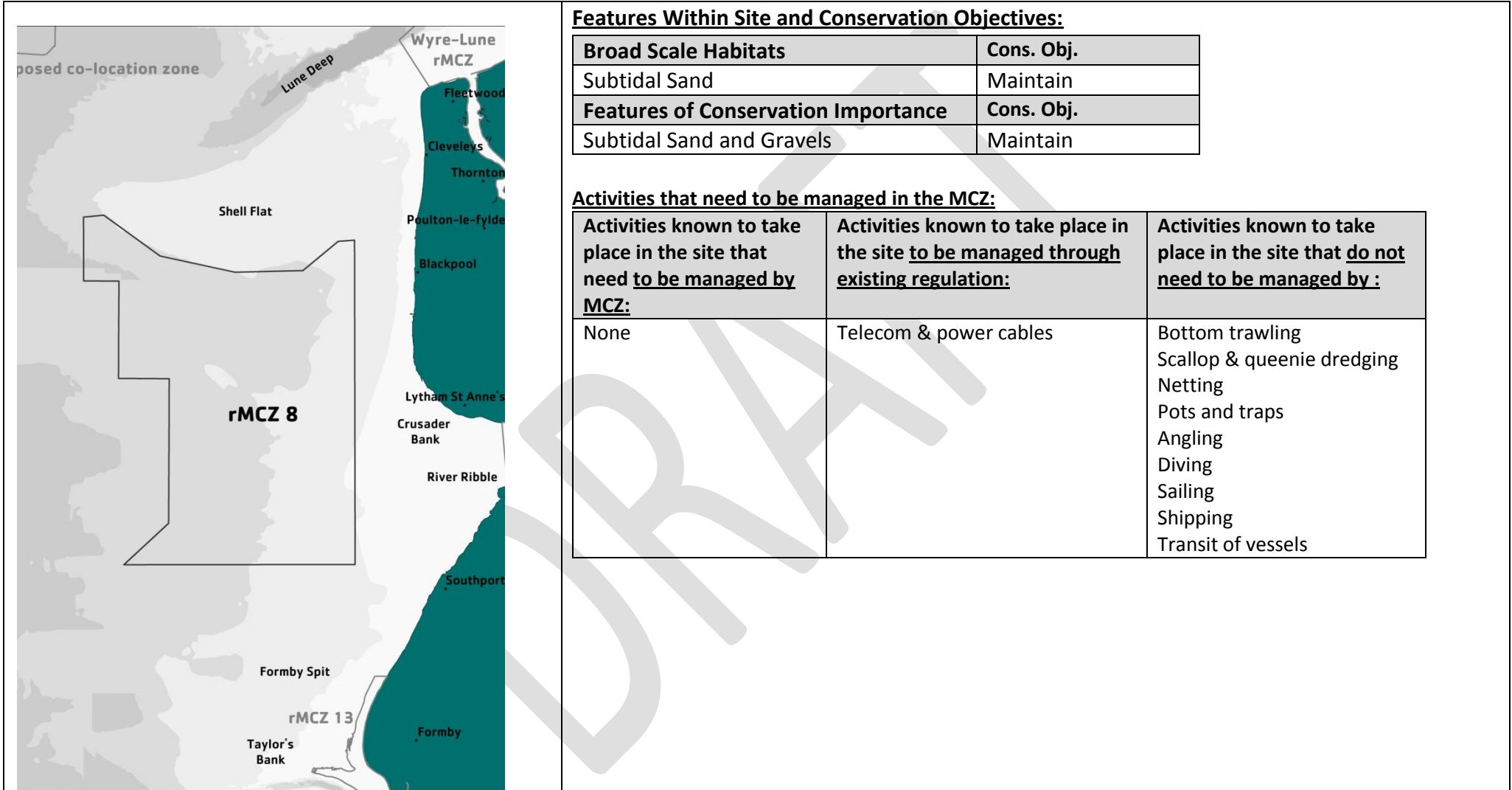
Activities known to take place in the site that need to be managed:	Activities known to take place in the site to be managed through existing regulation:	Activities known to take place in the site that do not need to be managed:
Bottom trawling	Telecom & power cables Military	Hooks and lines Mid-water trawling Shipping Transit of vessels

Activities known to take place in the site that need to be prohibited in Ref. Area G:

All fisheries, angling, anchoring of vessels and diving

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 8



Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 10



Features within site and conservation objectives:

	rMCZ 10	Ref. Area H
Broad Scale Habitats	Cons. Obj.	Cons. Obj.
High Energy Intertidal Rock	Maintain	-
Intertidal Biogenic Reefs	Maintain	-
Subtidal Coarse Sediment	Maintain	Reference
Subtidal Sands	Maintain	Reference
Moderate energy infralittoral rock	-	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.
Honeycomb Worm (<i>Sabellaria alveolata</i>) reef	Maintain	-
Subtidal Sands and Gravels	Maintain	Reference
Blue mussel (<i>Mytilus edulis</i>) beds	Maintain	-
Peat and clay exposures	Maintain	-

Activities that need to be managed in the MCZ:

Activities known to take place in the site <u>that need to be managed:</u>	Activities known to take place in the site (or nearby) to be <u>managed through existing regulation:</u>	Activities known to take place in the site that <u>do not need to be managed:</u>
None	Coastal defence Aquaculture Consented discharges	Bottom trawling Scallop & quenie dredging Netting Pots and traps, Hand picking/bait collection Angling, Diving, Sailing, Beach users Transit of vessels

Activities known to take place in the site that need to be prohibited in Ref. Area H:

All fisheries, hand picking/bait collection, angling, anchoring of vessels and diving

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.



Activities known to take place in the site that need to be prohibited in Ref. Areas I & J:
 All fisheries, angling, hand picking/bait collection, anchoring of vessels and diving

Features within site and conservation objectives:

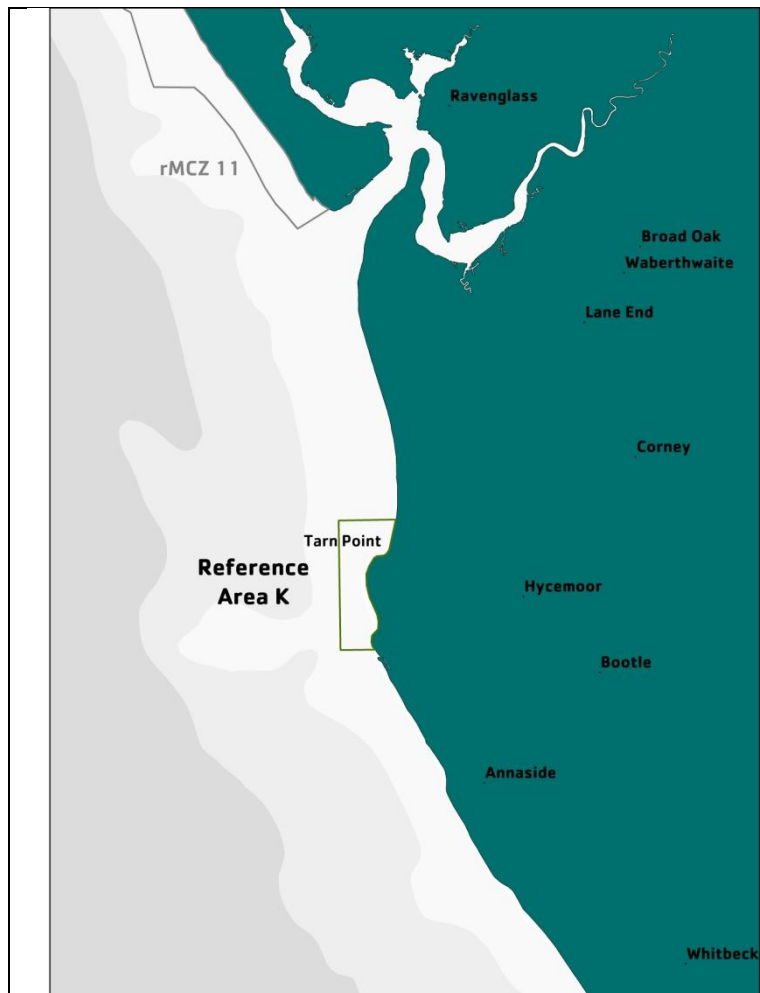
	rMCZ 11	Ref. Area J	Ref. Area I
Broad Scale Habitats	Cons. Obj.	Cons. Obj.	Cons. Obj.
High Energy Intertidal Rock	Maintain	Reference	-
Intertidal Biogenic Reefs	Recover	-	-
Intertidal Sand and Muddy Sand	Maintain	-	-
High Energy Infralittoral Rock	Recover	-	Reference
Intertidal mixed sediments	-	Reference	-
Subtidal mud	-	-	Reference
Subtidal sand	-	Reference	Reference
Features of Conservation Importance	Cons. Obj.	Cons. Obj.	
Subtidal sands and gravels	-	Reference	Reference
Blue Mussel (<i>Mytilus edulis</i>) Beds	Maintain	-	-
Intertidal Under Boulder Communities	Maintain	Reference	Reference
Honeycomb worm (<i>Sabellaria alveolata</i>) reef	Recover	-	-
Peat & clay exposures	Maintain	-	-
Non-ENG	Cons. Obj.	Cons. Obj.	
Black Guillemot (<i>Cepphus grille</i>)	Maintain	-	-

Activities that need to be managed in the MCZ:

Activities known to take place in the site that <u>need to be managed</u> :	Activities known to take place in the site (or nearby) to be managed through existing <u>regulation</u> :	Activities known to take place in the site that <u>do not need to be managed</u> :
Pots and traps and vessel speeds (around St. Bees Head only). Hand picking/bait collection (around reefs and mussel beds only)	Coastal defence Consented discharges Power plants	Bottom trawling, scallop/queenie dredges, nets, hooks & lines, mid-water trawling, pots and traps, hand picking/bait collection, angling, diving, sailing, shipping, beach users & kite surfers, transit of vessels

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ref. Area K



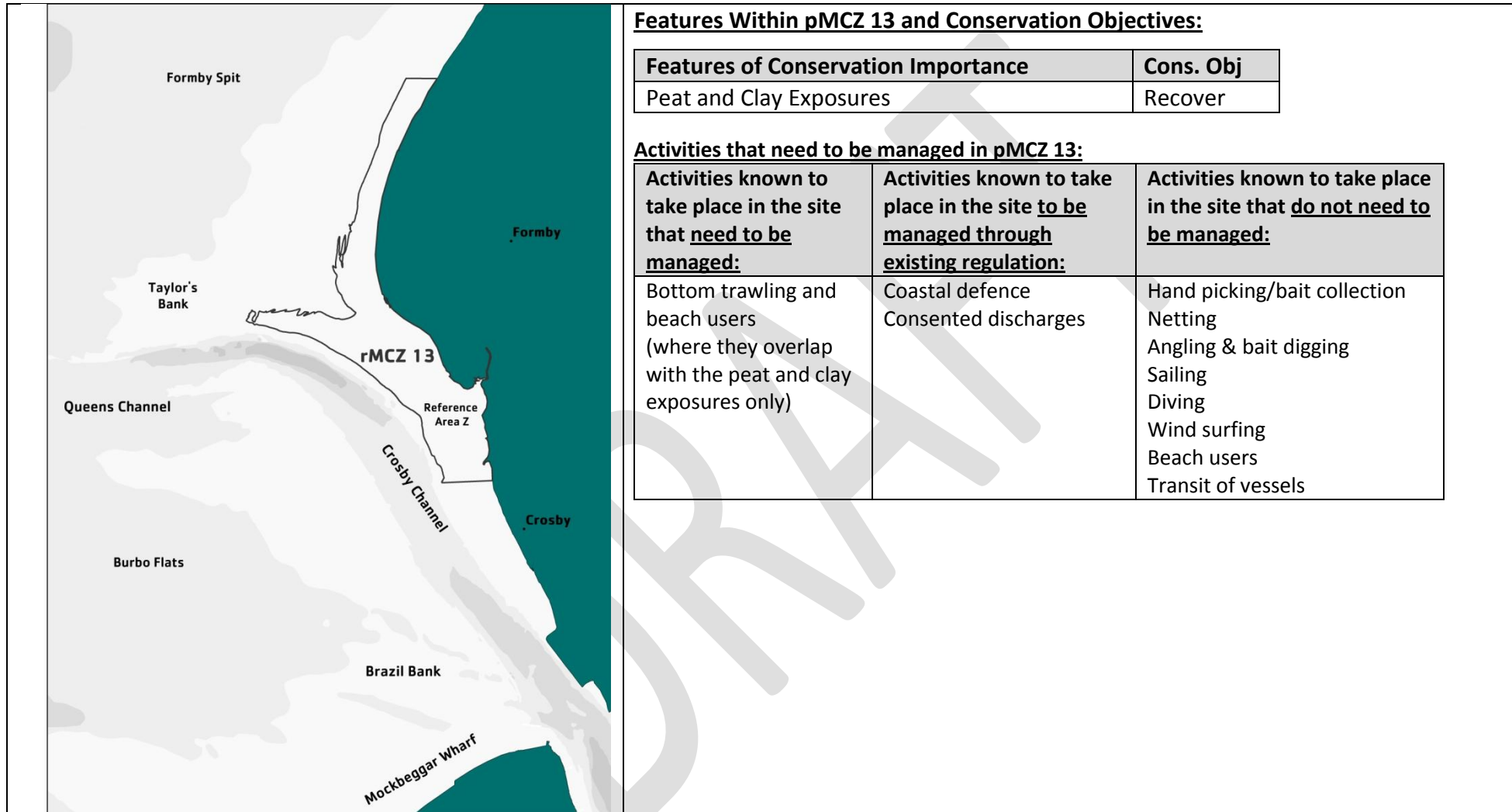
Features Within Site and Conservation Objectives:

Ref. Area K	
Broad Scale Habitats	Cons. Obj.
High Energy Infralittoral Rock	Reference
Intertidal Biogenic Reefs	Reference
Intertidal Sand and Muddy Sand	Reference
Subtidal Coarse Sediment	Reference
Subtidal Sand	Reference
Features of Conservation Importance	Cons. Obj.
Honeycomb worm (<i>Sabellaria alveolata</i>) reefs	Reference
Blue mussel (<i>Mytilus edulis</i>) beds	Reference
Subtidal Sands & Gravels	Reference

Activities known to take place in the site that need to be prohibited in Ref. Area K:

- Bottom trawling
- Pots and traps
- Netting
- Hand picking/bait collection
- Angling
- Diving
- Anchoring

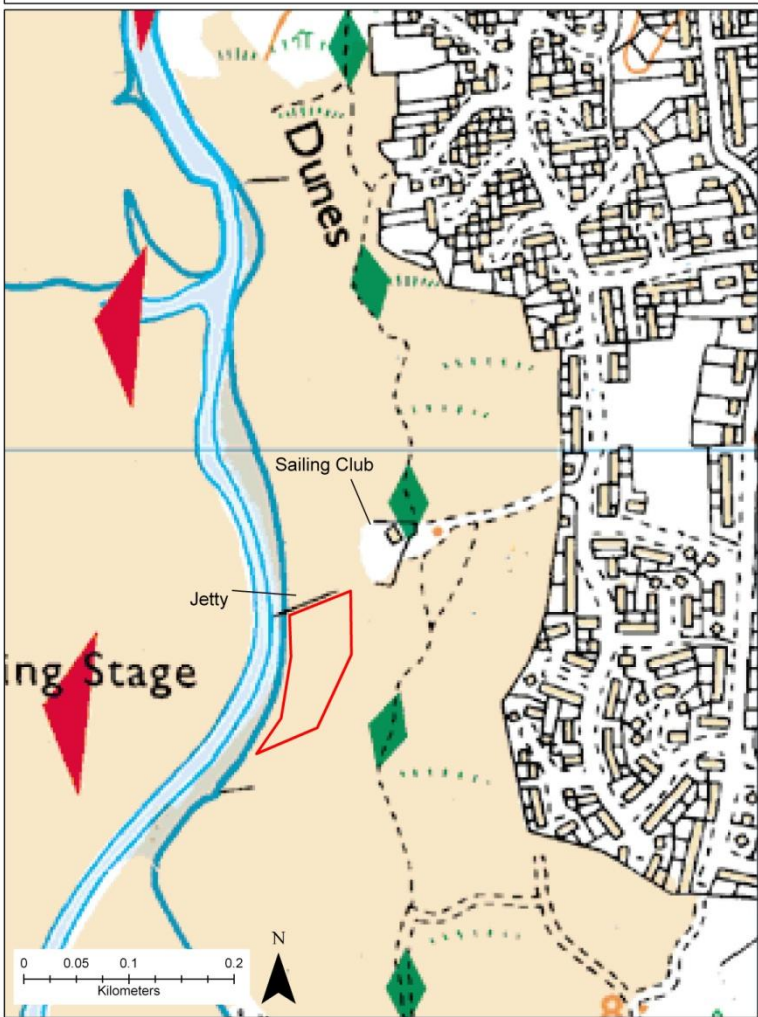
Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.



Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ref. Area Z

Draft location of rRA Z - Peat and clay exposures



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Features Within Site and Conservation Objectives:

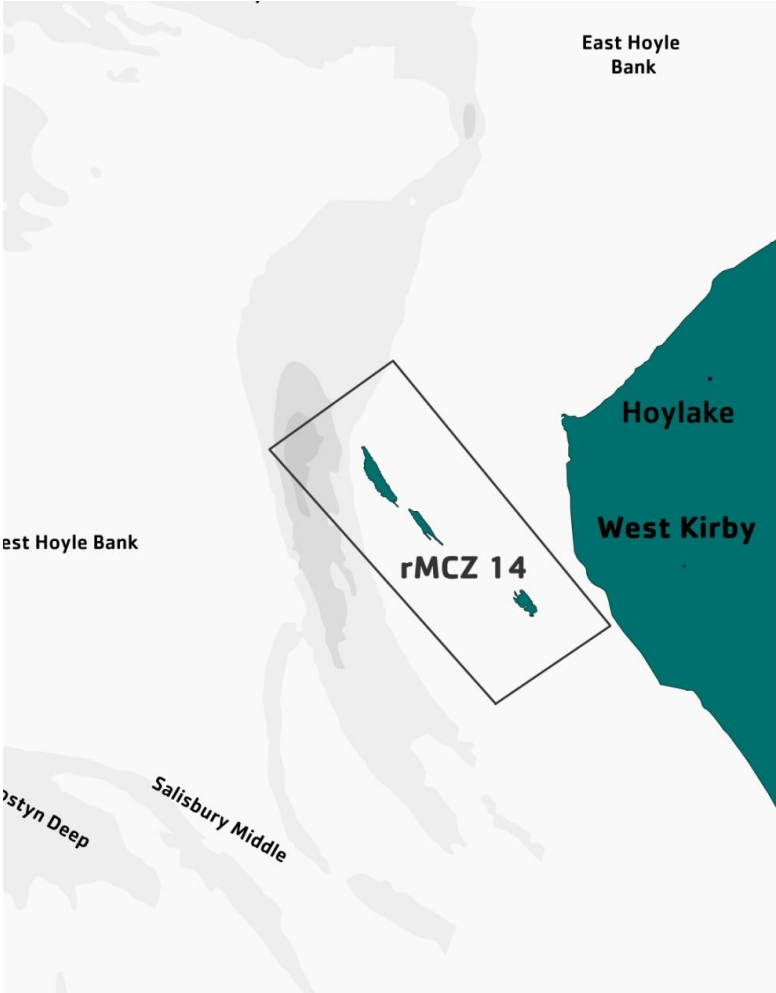
Ref. Area K	
Features of Conservation Importance	Cons. Obj.
Peat & clay exposures	Reference

Activities known to take place in the site that need to be prohibited in Ref. Area Z:

- All fisheries
- Hand picking/bait collection
- Angling & bait digging

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

rMCZ 14



The map shows the location of rMCZ 14 in the Irish Sea. Key features include East Hoyle Bank, West Kirby, and Hoylake. Other nearby features like Salisbury Middle and Westyn Deep are also labeled.

Features Within Site and Conservation Objectives:

Features of Conservation Importance	Cons. Obj.
Peat and Clay Exposures	Recover
Blue Mussel (<i>Mytilus Edulis</i>) Beds	Recover

Activities that need to be managed in the MCZ:

Activities known to take place in the site that <u>need to be managed</u> :	Activities known to take place in the site to be <u>managed through existing regulation</u> :	Activities known to take place in the site that <u>do not need to be managed</u> :
Hand picking/bait collection and recreation (walking, horse riding and general access) (where there is evidence of mussel beds and peat & clay beds only). Cockle and mussel picking already managed by the EA/IFCA. Byelaws already in place under nature reserve designation	Telecom & power cables	Bottom trawling Netting Angling/Bait digging Other recreation (sailing) Beach users Transit of vessels

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ref. Area Y



Features Within Site and Conservation Objectives:

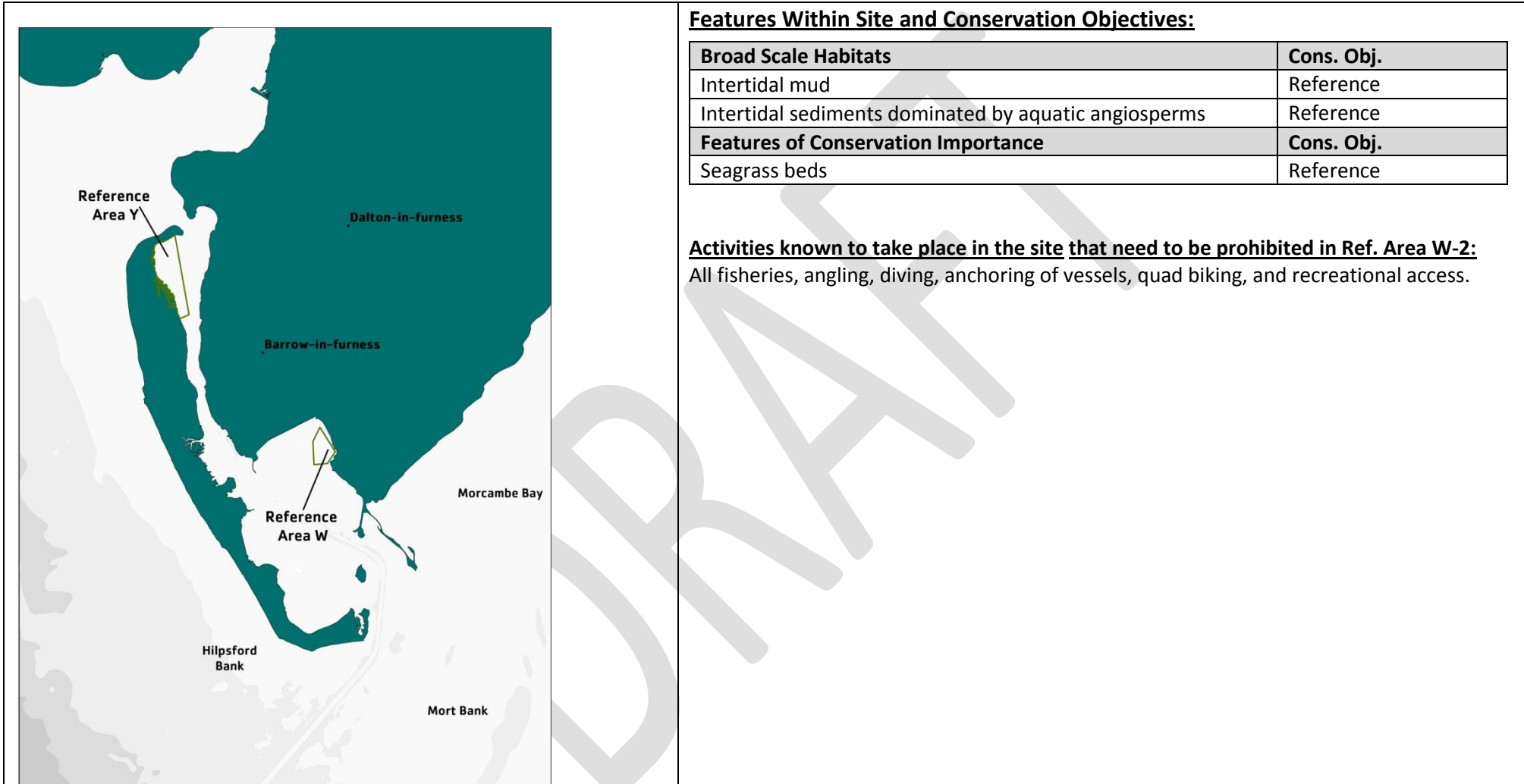
Broad Scale Habitats	Cons. Obj.
Intertidal mud	Reference
Coastal saltmarshes and saline reedbeds	Reference
Subtidal coarse sediment	Reference

Activities known to take place in the site that need to be prohibited in Ref. Area Y:

All fisheries, aquaculture, angling, diving, anchoring of vessels.

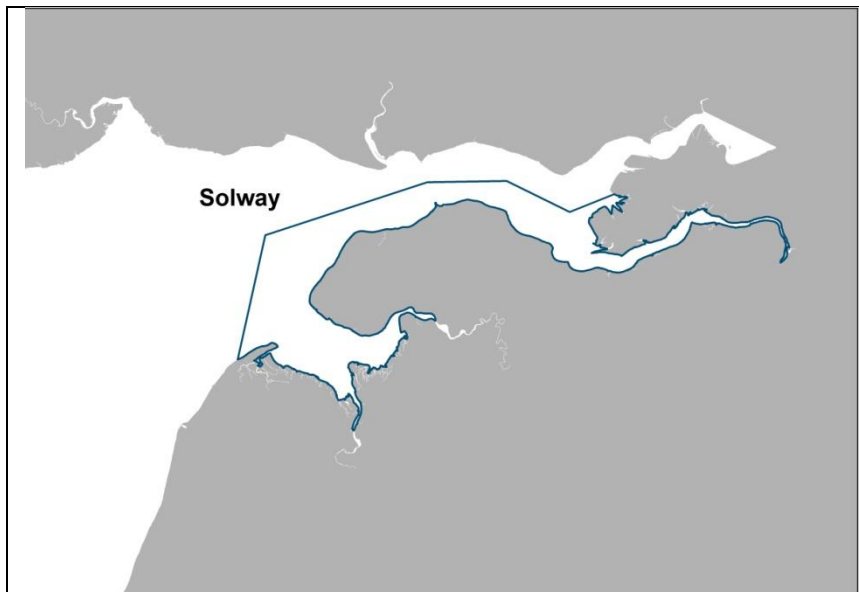
Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ref. Area W



Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Solway Estuary



A map of the Solway Estuary, showing the coastline and the estuary's extent. The word "Solway" is written on the map.


Features Within Site and Conservation Objectives:

Highly-mobile Species	Cons. Obj.
Smelt	Maintain
Eel	Maintain

Activities that need to be prohibited in the MCZ:
None

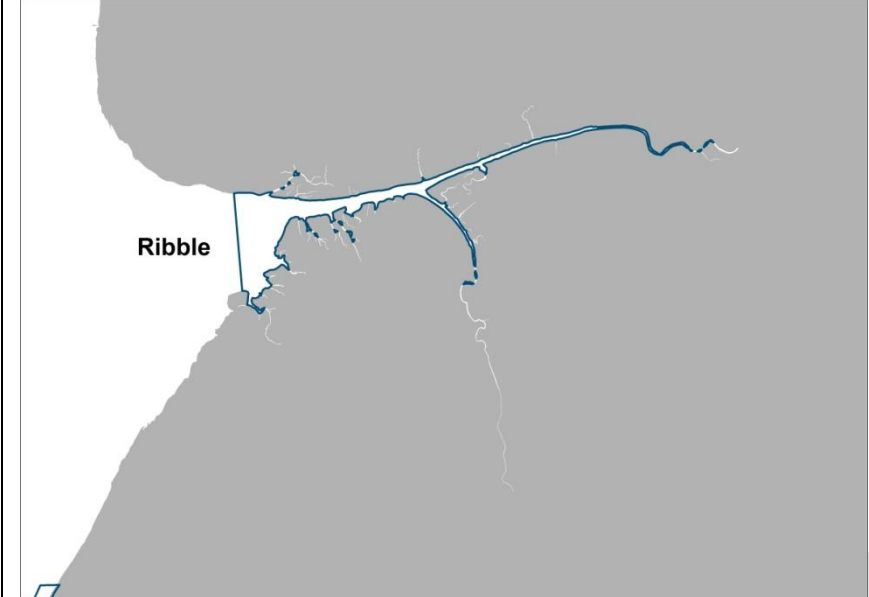
Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Wyre-Lune Estuary

	Features Within Site and Conservation Objectives:	
	Highly-mobile Species	Cons. Obj.
	Smelt	Maintain
	Eel	Maintain
	Activities that need to be prohibited in the MCZ:	
	None	

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ribble Estuary



The map shows the Ribble Estuary, a large body of water with a complex network of channels and a wide mouth. The word "Ribble" is printed on the left side of the map.

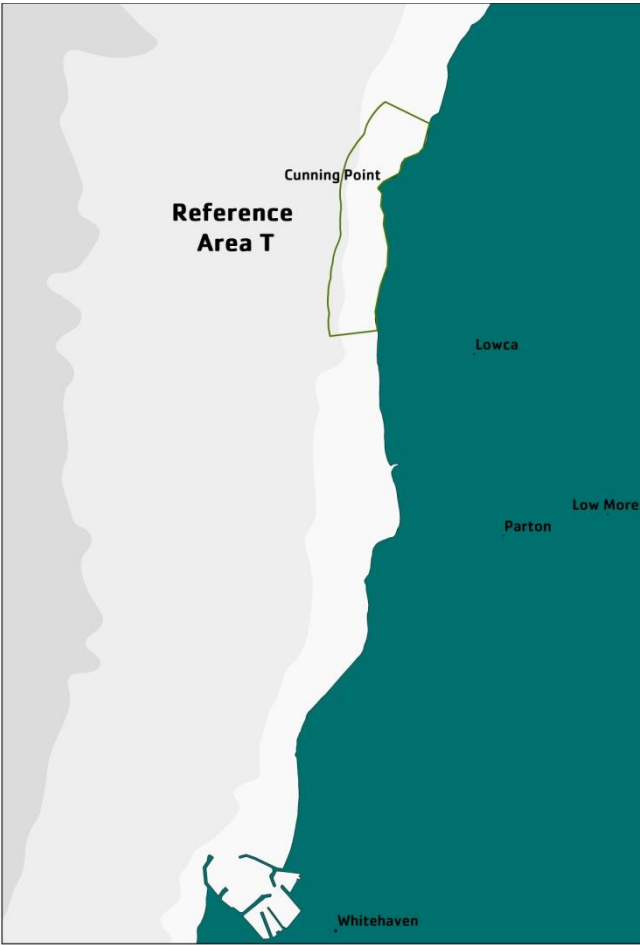
Features Within Site and Conservation Objectives:

Highly-mobile Species	Cons. Obj.
Smelt	Maintain
Eel	Maintain

Activities that need to be prohibited in the MCZ:
None

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.

Ref. Area T



Features Within Site and Conservation Objectives:

Broad Scale Habitats	Cons. Obj.
Moderate energy intertidal rock	Reference
Subtidal mud	Reference
Features of Conservation Importance	Cons. Obj.
Blue mussel beds	Reference
Subtidal sands and gravels	Reference

Activities known to take place in the site that need to be prohibited in Ref. Area:

All fisheries, angling, anchoring of vessels, and diving.

Note: This is based on an assessment of existing and consented activities known to take place in the site(s) only, and where they are known to overlap the features. Activities that are not known to take place in the site(s) may also need to be managed.