

**Department for Environment, Food and Rural Affairs**

## **Marine Conservation Zones: Consultation on proposals for designation in 2013**

### **Annex A1 – Part 2.1 - Finding Sanctuary - Sites proposed for designation in 2013**

Defra is proposing that up to 31 sites are good candidates for designation in 2013. Site specific information for each site is set out below. An explanatory note for the site summaries is included in Annex B.

## **Further Information**

### **SNCB Advice**

The SNCB advice can be found at: <http://publications.naturalengland.org.uk/category/1723382>

For specific site information please go to the page stated in the site summary.

For information on data certainty see section 5 of the SNCB advice and for advice on certainty of conservation objectives please see SNCB – supplementary advice and information at: <http://publications.naturalengland.org.uk/category/1725455>

## **Impact Assessment**

For additional information on the Consultation Impact Assessment please use the following link:

[www.defra.gov.uk/environment/marine/protect/mpa/mcz/](http://www.defra.gov.uk/environment/marine/protect/mpa/mcz/)

Within this link there are a series of documents including the Consultation Impact Assessment and supporting Annexes. For site specific information please open the section state in the individual site summary (Example: Chesil Beach and Stennis Ledges – Annex I2 Option 2 Page 3)

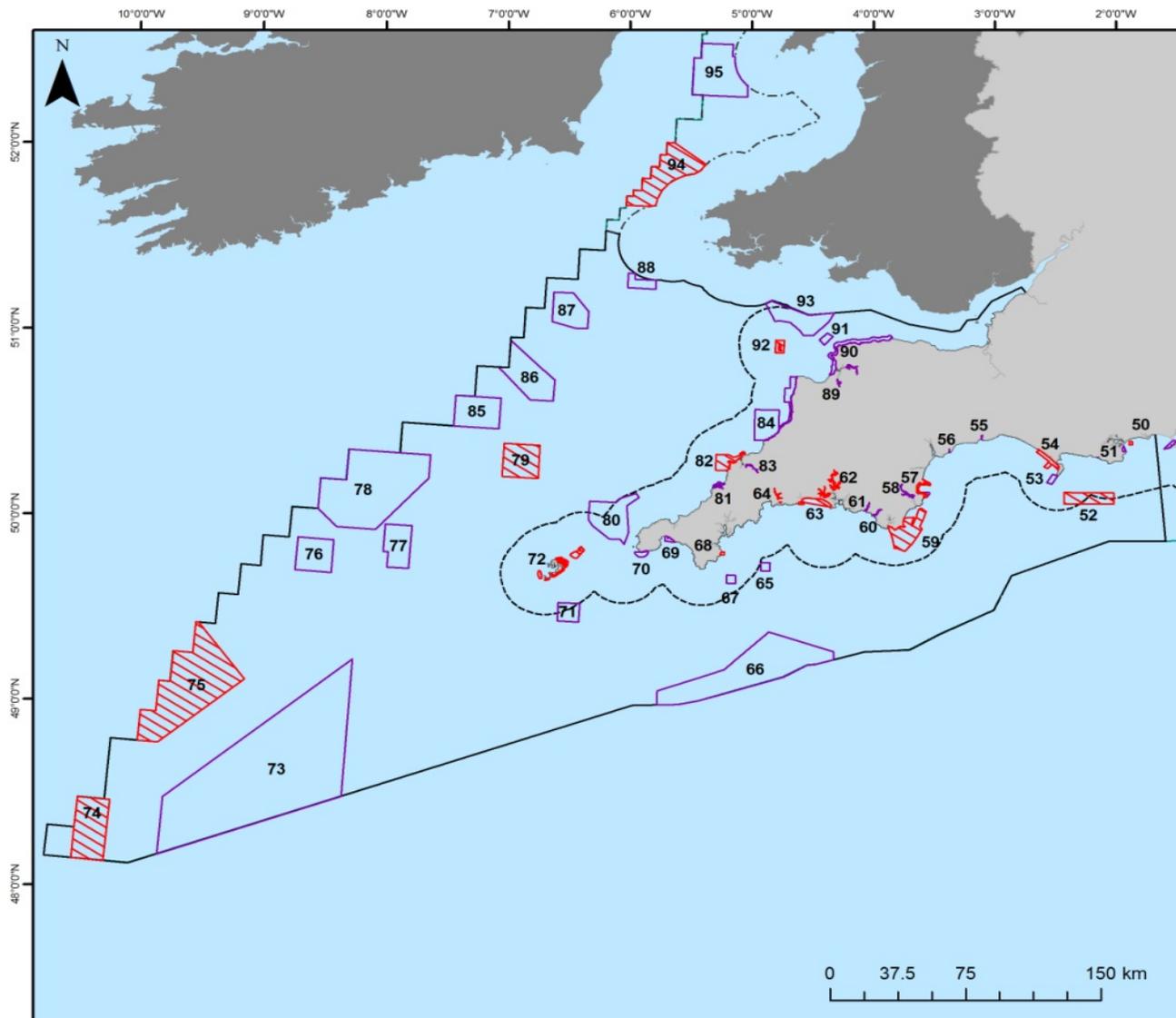
## **Finding Sanctuary**

For additional information on the proposed first tranche sites in Finding Sanctuary please use the following link -

<http://publications.naturalengland.org.uk/publication/1561560>

Within this link there are a series of documents providing additional information on Finding Sanctuary recommended site. For site specific information please open the section stated in the individual site summary (Example - Canyons see FS - 3 Page 194).

**Regional MCZ Map – South West (Finding Sanctuary)**



### Sites overview

- rMCZs put forward for designation in 2013
- Recommended MCZ
- Finding Sanctuary regional project area
- ISCZ regional project area
- 12nM Territorial Seas Limit
- UK Continental Shelf designated area

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<b>Map Label</b>	<b>Site Name</b>	<b>Regional Project Number</b>	<b>Map Label</b>	<b>Site Name</b>	<b>Regional Project Number</b>
49	Poole Rocks	N/A	72	Isles of Scilly	N/A
50	Studland Bay	N/A	73	South-West Deeps (East)	N/A
51	Broad Bench to Kimmeridge Bay	N/A	74	Canyons	N/A
52	South Dorset	N/A	75	South-West Deeps (West)	N/A
53	South of Portland	N/A	76	North-West of Jones Bank	N/A
54	Chesil Beach and Stennis Ledges	N/A	77	East of Jones Bank	N/A
55	Axe Estuary	N/A	78	Greater Haig Fras	N/A
56	Otter Estuary	N/A	79	East of Haig Fras	N/A
57	Torbay	N/A	80	Cape Bank	N/A
58	Dart Estuary	N/A	81	Newquay and The Gannel	N/A
59	Skerries Bank and surrounds	N/A	82	Padstow Bay and surrounds	N/A
60	Devon Avon	N/A	83	Camel Estuary	N/A
61	Erme Estuary	N/A	84	Hartland Point to Tintagel	N/A
62	Tamar Estuary sites	N/A	85	North-East of Haig Fras	N/A
63	Whitsand and Looe Bay	N/A	86	South of Celtic Deep	N/A
64	Upper Fowey and Pont Pill	N/A	87	Celtic Deep	N/A
65	South-east of Falmouth	N/A	88	East of Celtic Deep	N/A
66	Western Channel	N/A	89	Taw Torridge Estuary	N/A
67	South of Falmouth	N/A	90	Bideford to Foreland Point	N/A
68	The Manacles	N/A	91	Morte Platform	N/A
69	Mounts Bay	N/A	92	Lundy	N/A
70	Lands End	N/A	93	North of Lundy (Atlantic Array area)	N/A
71	South of the Isles of Scilly	N/A			

## Consultation Site Summary: East of Haig Fras

Additional Information for this site can be found in the SNCB Advice (page 848) and Impact Assessment (Annex I2 Option 2 Finding Sanctuary, Page 19) and Regional Project recommendations FS – 4 (page 273).

**Table 1. General Information on site and all features recommended by Regional Projects**

<b>Regional Project:</b> Finding Sanctuary		<b>Site surface area:</b> 399 km <sup>2</sup>		<b>Biogeographic Region:</b> Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)	
<b>Site Location:</b> 50.4988 -6.6538 (centre location)					
<b>Inshore/Offshore:</b> Offshore					
<b>Feature type</b>	<b>Feature name</b>	<b>Area/no. of records</b>	<b>Conservation Objective</b>		
Broad Scale Habitat	Moderate energy circalittoral rock	10 km <sup>2</sup>	Recover		
Broad Scale Habitat	Subtidal coarse sediment	236 km <sup>2</sup>	Recover		
Broad Scale Habitat	Subtidal sand	155 km <sup>2</sup>	Recover		

**Table 2. Sector Impacts and Associated Best Estimate Costs**

<b>Sectors Impacted</b>	<b>Best Estimate Costs (£ per year)</b>
Commercial Fishing	2,000
Non-UK Commercial Fishing	Unquantified costs
	<b>Best Estimate Total Cost = £2,000</b>

**Table 3. Designation Status of Site and Rationale**

<b>Decision</b>	Designation in 2013 tranche
<p><b>Rationale for Decision:</b></p> <p><b>Site Advantages</b></p> <p>East of Haig Fras recommended MCZ is a site in the offshore area that covers an area of 399 km<sup>2</sup>. The site is proposed for three Broad Scale Habitats, and is important for meeting adequacy and replication targets for these habitats. The site contributes to the connectivity of sediment and rock habitat, and is of additional ecological importance as a fish spawning and nursery area, and foraging area for seabirds. The site is at a higher risk of damage or deterioration as all three features are vulnerable to pressures occurring within the site.</p> <p><b>Socio-Economics</b></p> <p>The recommended site is not supported by French fishing representatives. The main sector impacted is UK and Non-UK commercial fishing, the best estimate annual impact to the UK commercial fishing sector is £2,000. There is no indication of significant unquantified costs to the non-UK commercial fishing sector.</p>	

### **Data Certainty**

Within this site existing data suggests that all features have unacceptable data certainty. However, this site has been subjected to recent surveying which confirms the presence of all features except the Broad Scale Habitat Moderate energy circalittoral rock. <sup>1</sup>

### **Conclusion**

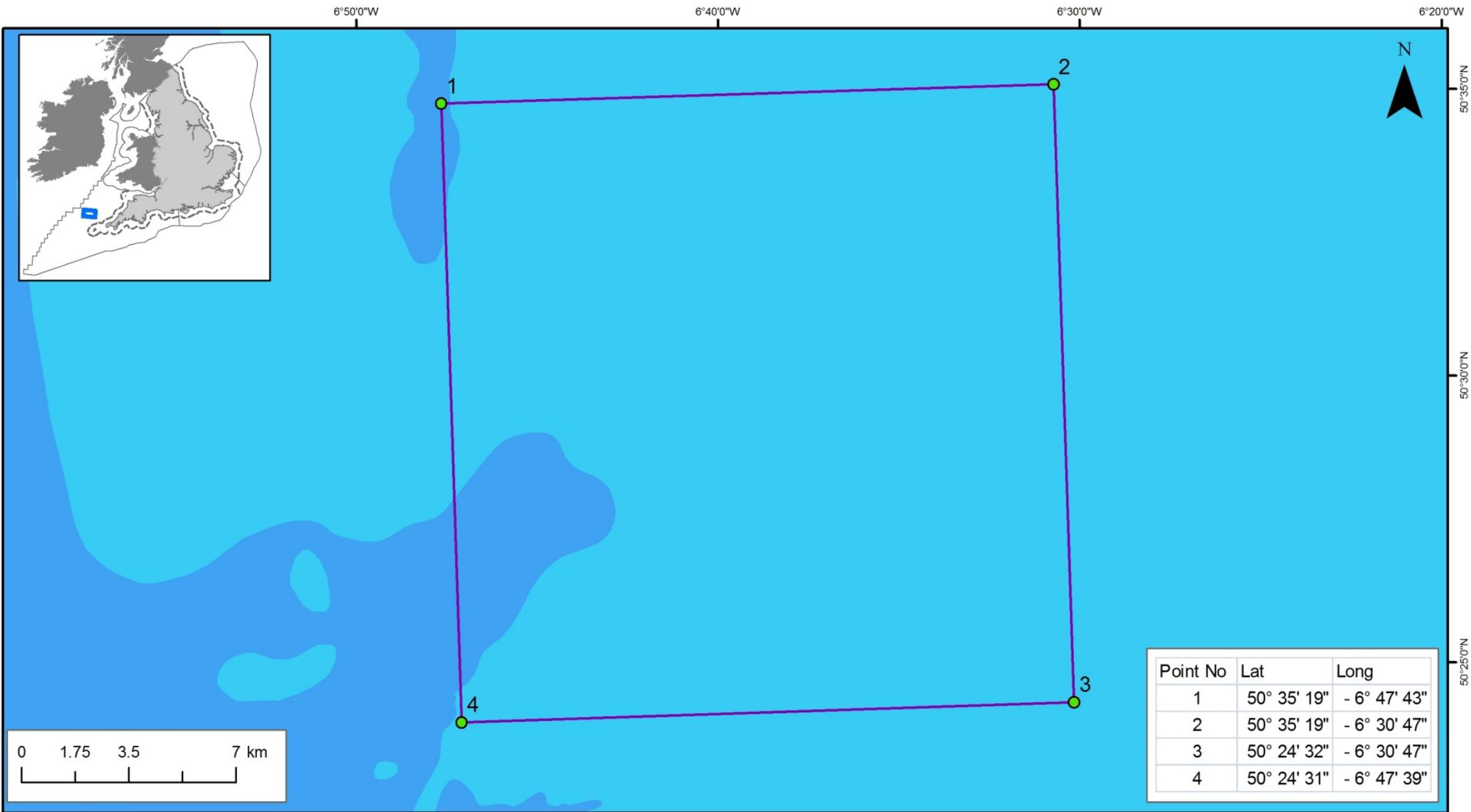
Therefore, as the advantages for this site justify the socio-economic costs and the data certainty is acceptable for sufficient features this site has been proposed for designation in 2013 for the features as demonstrated in the table above, following their confirmation in recent survey work. Further work will be required to improve the data certainty for the feature not proposed for designation in 2013 prior to inclusion in future designations.

**Table 4. Features Proposed for Designation in 2013**

<b>Features for designation in 2013</b>	<b>Features requiring improvement in data certainty prior to designation</b>
Subtidal coarse sediment	Moderate energy circalittoral rock
Subtidal sand	

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<sup>1</sup> Recent survey data has been collected for this site ([site report to be published on Defra website](#)), this survey data will be considered in further detail following the consultation and prior to designation.



**East of Haig Fras rMCZ**

- Recommended MCZ
- rMCZ boundary co-ordinates
- Regional MCZ project area
- 12nM Territorial Seas Limit
- Land

- Depth Areas (metres)**
- 0.0 - 5.0
  - 5.1 - 10.0
  - 10.1 - 25.0
  - 25.1 - 50.0
  - 50.1 - 100.0
  - 100.1 - 250.0
  - 250.1 - 500.0
  - 500.1 - 1000.0

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Map Projection: WGS84UTM29N, Inset: BNG

6°50'0"W

6°40'0"W

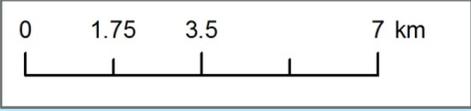
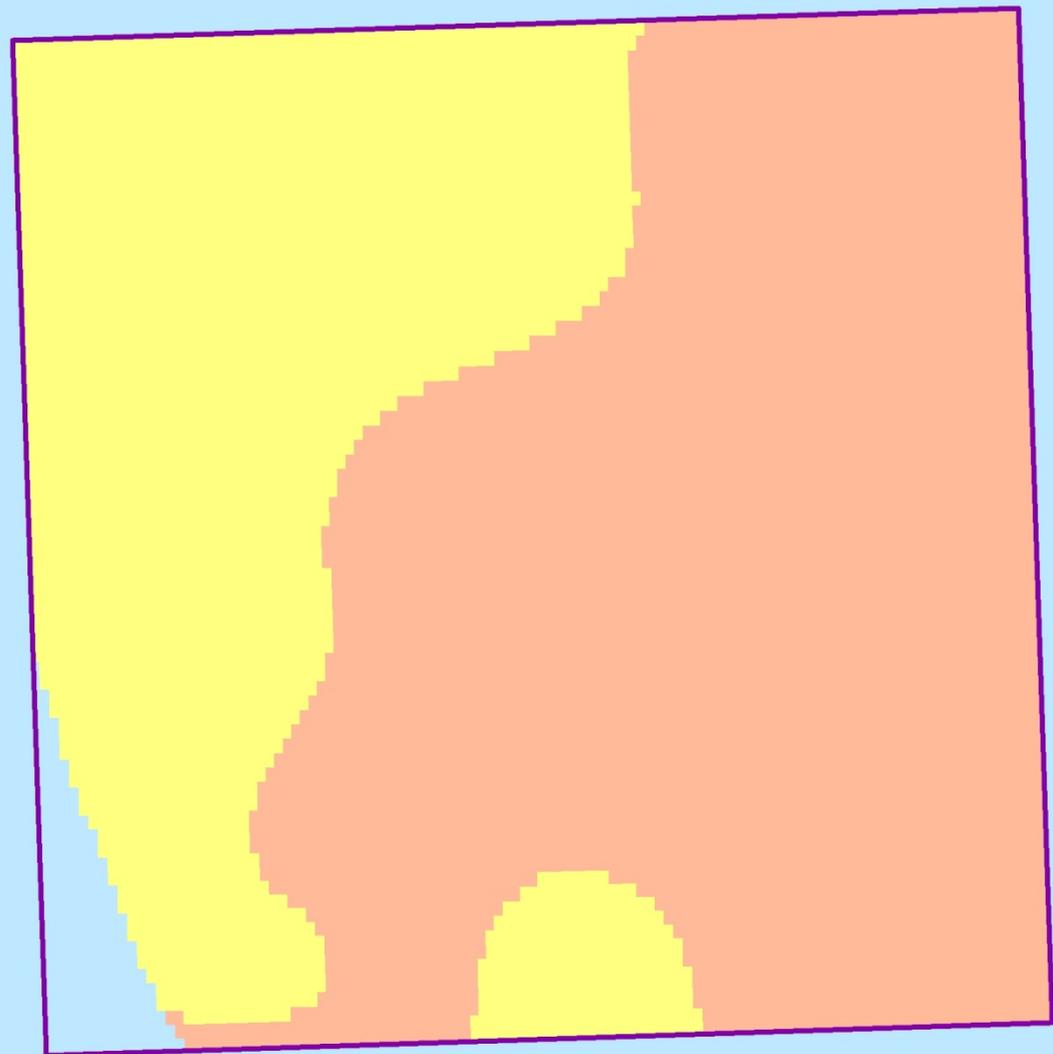
6°30'0"W



50°35'0"N

50°30'0"N

50°25'0"N



### East of Haig Fras rMCZ

-  Recommended MCZ
  -  Regional MCZ project area
  -  12nM Territorial Seas Limit
  -  Land
- Features proposed for 2013 designation**
-  Subtidal coarse sediment (A5.1)
  -  Subtidal sand (A5.2)

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Map Projection:WGS84UTM29N, Inset:BNG

## Consultation Site Summary: South-West Deeps (West)

Additional Information for this site can be found in the SNCB Advice (page 881) and Impact Assessment (Annex I2 Option 2 Finding Sanctuary, Page 881) and Regional Project recommendations (FS – 3 page 210).

**Table 1. General Information on site and all features recommended by Regional Projects**

<b>Regional Project:</b> Finding Sanctuary		<b>Site surface area:</b> 1824 km <sup>2</sup>	<b>Biogeographic Region:</b> Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)
<b>Site Location:</b> 49.1437 -9.0502 (centre location)			
<b>Inshore/Offshore:</b> Offshore			
<b>Feature type</b>	<b>Feature name</b>	<b>Area/no. of records</b>	<b>Conservation Objective</b>
Broad Scale Habitat	Subtidal coarse sediment	239 km <sup>2</sup>	Recover
Broad Scale Habitat	Subtidal mixed sediment	7 km <sup>2</sup>	Recover
Broad Scale Habitat	Subtidal sand	1574 km <sup>2</sup>	Recover
Geological feature	Celtic Sea relict sandbanks	191 km <sup>2</sup>	Maintain

**Table 2. Sector Impacts and Associated Best Estimate Costs**

<b>Sectors Impacted</b>	<b>Best Estimate Costs (£ per year)</b>
Commercial Fishing	5,000

Non-UK Commercial Fishing	Unquantified Cost
National Defence	Non-Site Specific Cost
	Best Estimate Total Cost = £5,000

**Table 3. Designation Status of Site and Rationale**

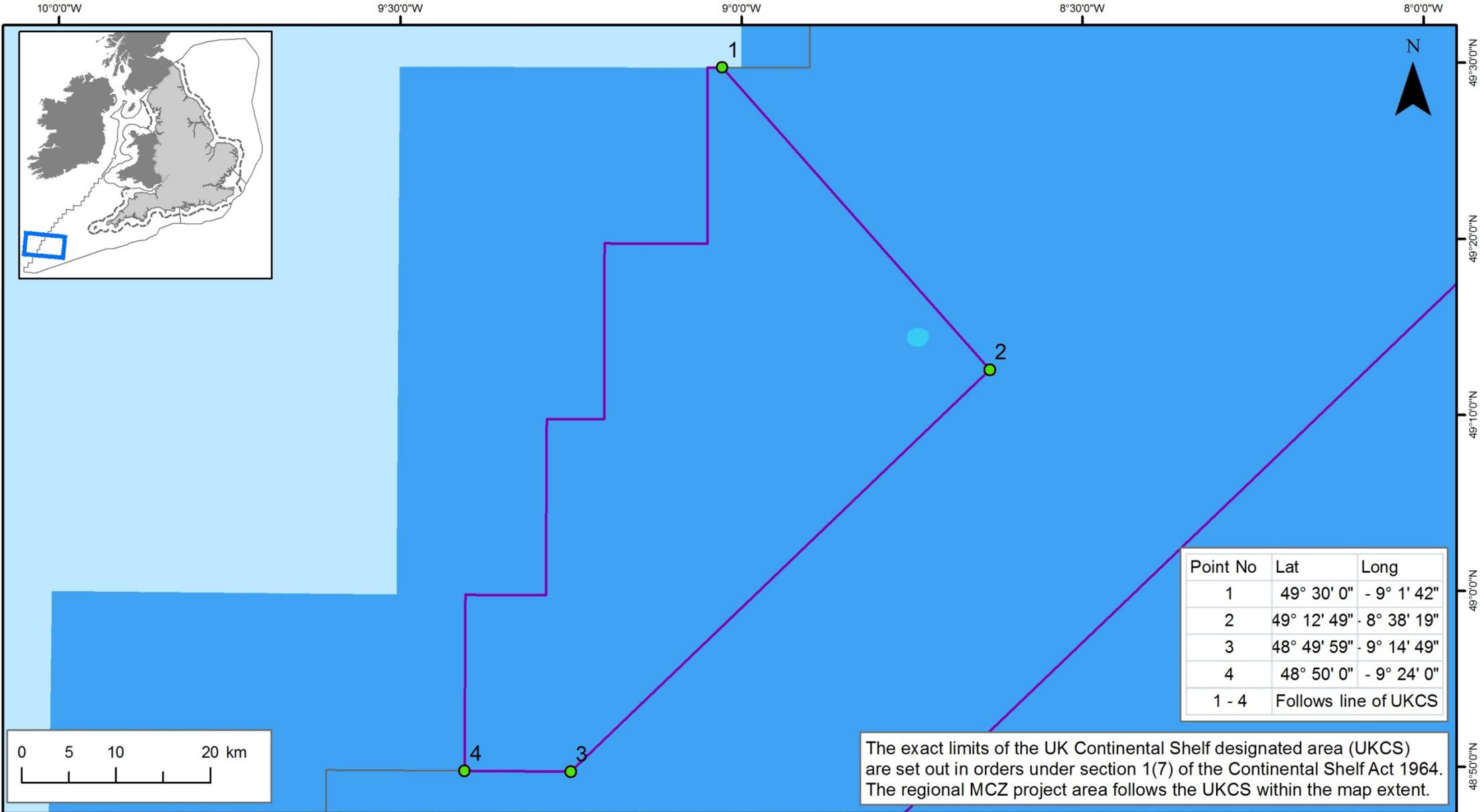
Decision	Designation in 2013 tranche
<p><b>Rationale for Decision:</b></p> <p><b>Site Advantages</b></p> <p>South-West Deeps (West) is a site in the offshore area that covers an area of 1824 km<sup>2</sup>. The site is proposed for three Broad Scale Habitats and one geological feature. As a large site it contributes the second largest area of Subtidal sand out of all MCZs and existing marine protected areas within the region, and is also essential for achieving adequacy targets for Subtidal coarse sediment. The geological feature Celtic Sea relict sandbanks are amongst the deepest and largest shelf sand ridges of their kind. As a spawning and nursery area for fish species, and of importance to foraging seabirds the site is also an area of additional ecological importance.</p> <p><b>Socio-Economics</b></p> <p>The main sector impacted is the commercial fishing sector with a best estimate annual cost of £5,000. There is no indication of significant unquantified costs to the non-UK commercial fishing sector.</p> <p><b>Data Certainty</b></p> <p>Within this site existing data suggests that the features subtidal sand and Celtic Sea relict sandbanks have acceptable data certainty. The features subtidal coarse sediment and subtidal mixed sediment have unacceptable data certainty and will require further work prior to their designation.</p>	

**Conclusion**

As the advantages for this site justify the socio-economic costs and the data certainty is acceptable for sufficient features this site has been proposed for designation in 2013 for the features as demonstrated in the table below. Further work will be required to improve the data certainty for features not proposed for designation in 2013 prior to inclusion in future designations.

**Table 4. Features Proposed for Designation in 2013**

<b>Features for designation in 2013</b>	<b>Features requiring improvement in data certainty prior to designation</b>
Subtidal sand	Subtidal coarse sediment
Celtic sea relict sandbanks	Subtidal mixed sediment



### South-West Deeps (West) rMCZ

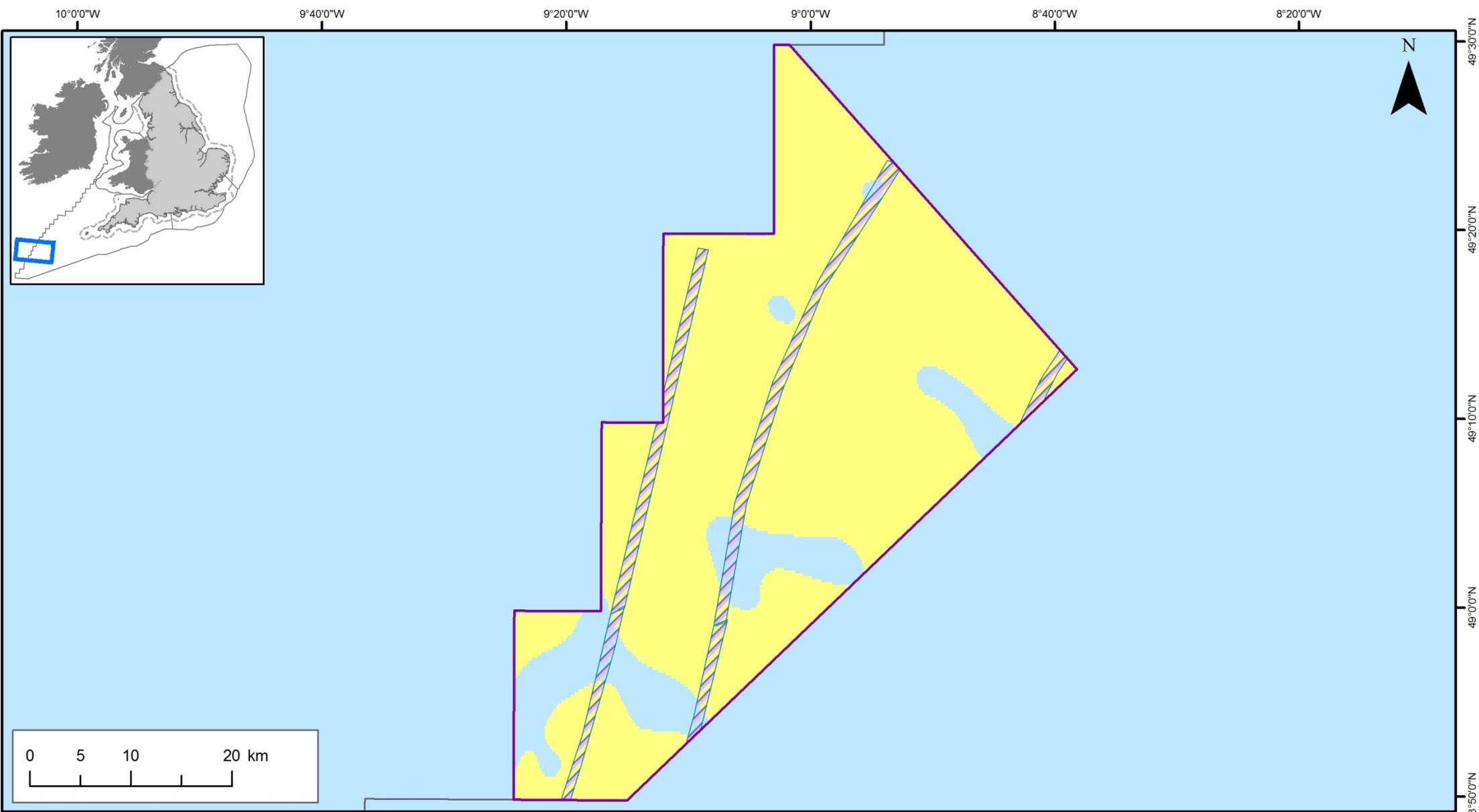
- Recommended MCZ
- rMCZ Boundary co-ordinates
- Regional MCZ project area
- 12nM Territorial Seas Limit
- Land

### Depth Areas (metres)

- 0.0 - 5.0
- 5.1 - 10.0
- 10.1 - 25.0
- 25.1 - 50.0
- 50.1 - 100.0
- 100.1 - 250.0
- 250.1 - 500.0
- 500.1 - 1000.0

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Map Projection: WGS84UTM29N, Inset: BNG



## South-West Deeps (West) rMCZ

- |  |                             |   |
|--|-----------------------------|---|
|  | Recommended MCZ             | <b>Features proposed for 2013 designation</b>   |
|  | Regional MCZ project area   |  Subtidal Sand (A5.2)        |
|  | 12nM Territorial Seas Limit |  Celtic sea relict sandbanks |
|  | Land                        |   |

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Map Projection: WGS84UTM29N, Inset: BNG

## Consultation Site Summary: The Canyons

Additional Information for this site can be found in the SNCB Advice (page 884) and Impact Assessment (Annex I2 Option 2 Finding Sanctuary, Page 154) and Regional Project recommendations (FS – 3 page 194).

**Table 1. General Information on site and all features recommended by Regional Projects**

<b>Regional Project:</b> Finding Sanctuary		<b>Site surface area:</b> 661 km <sup>2</sup>	<b>Biogeographic Region:</b> On the boundary between Western Channel and Celtic Sea, and Atlantic South West Approaches (JNCC regional sea); Region III: Celtic Waters (OSPAR region)
<b>Site Location:</b> 48.3333 -9.6799 (centre location)			
<b>Inshore/Offshore:</b> Offshore			
<b>Feature type</b>	<b>Feature name</b>	<b>Area/no. of records /percentage of study region</b>	<b>Conservation Objective</b>
Broad Scale Habitat	Deep-sea bed	656 km <sup>2</sup>	Recover
Broad Scale Habitat	Subtidal coarse sediment <sup>2</sup>	0.1 km <sup>2</sup>	Recover
Broad Scale Habitat	Subtidal sand <sup>1</sup>	4 km <sup>2</sup>	Recover

<sup>2</sup> Following advice from the SCNBs, this feature is to be removed as due to the scale of the feature it is unlikely a conservation objective would be achievable

Habitat FOCI	Cold-water coral reefs	0.2 km <sup>2</sup>	Recover
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**Table 2. Sector Impacts and Associated Best Estimate Costs**

Sectors Impacted	Best Estimate Costs (£ per year)
Commercial Fishing	1,000
Non-UK Commercial Fishing	Unquantified Cost
National Defence	Non-Site Specific Cost
	<b>Best Estimate Total Cost = £1,000</b>

**Table 3. Designation Status of Site and Rationale**

<b>Decision</b>	Designate in 2013 tranche
<b>Rationale for Decision:</b>	
<b>Site Advantages</b>	
<p>The Canyons recommended MCZ is a site in the offshore area that covers an area of 661 km<sup>2</sup>. The site is proposed for one Broad Scale Habitat and one habitat FOCI, contributing the largest area of Deep-sea bed out of the whole MCZ area. The site also represents one of only two sites within the MCZ area that are recommended for this feature. It is also the only site within the MCZ area that provides protection to the FOCI habitat Cold water coral reefs, which is an OSPAR habitat. The site is also of additional ecological importance as a summer seasonal front which intersects with aggregations of cetaceans and seabirds, fish spawning and nursery grounds. The site is at higher risk of damage or deterioration, with the Habitat FOCI Cold-water coral reef being particularly sensitive to the pressures for which the recover objective was set. The Cold-water coral reef is fragile and is at higher risk of further damage from demersal fishing activities (static or mobile).</p>	
<b>Socio-Economics</b>	

The main sector impacted is the commercial fishing sector with a best estimate annual cost of £1,000. There is a strong indication of significant unquantified cost to the non-UK commercial fishing sector.

**Data Certainty**

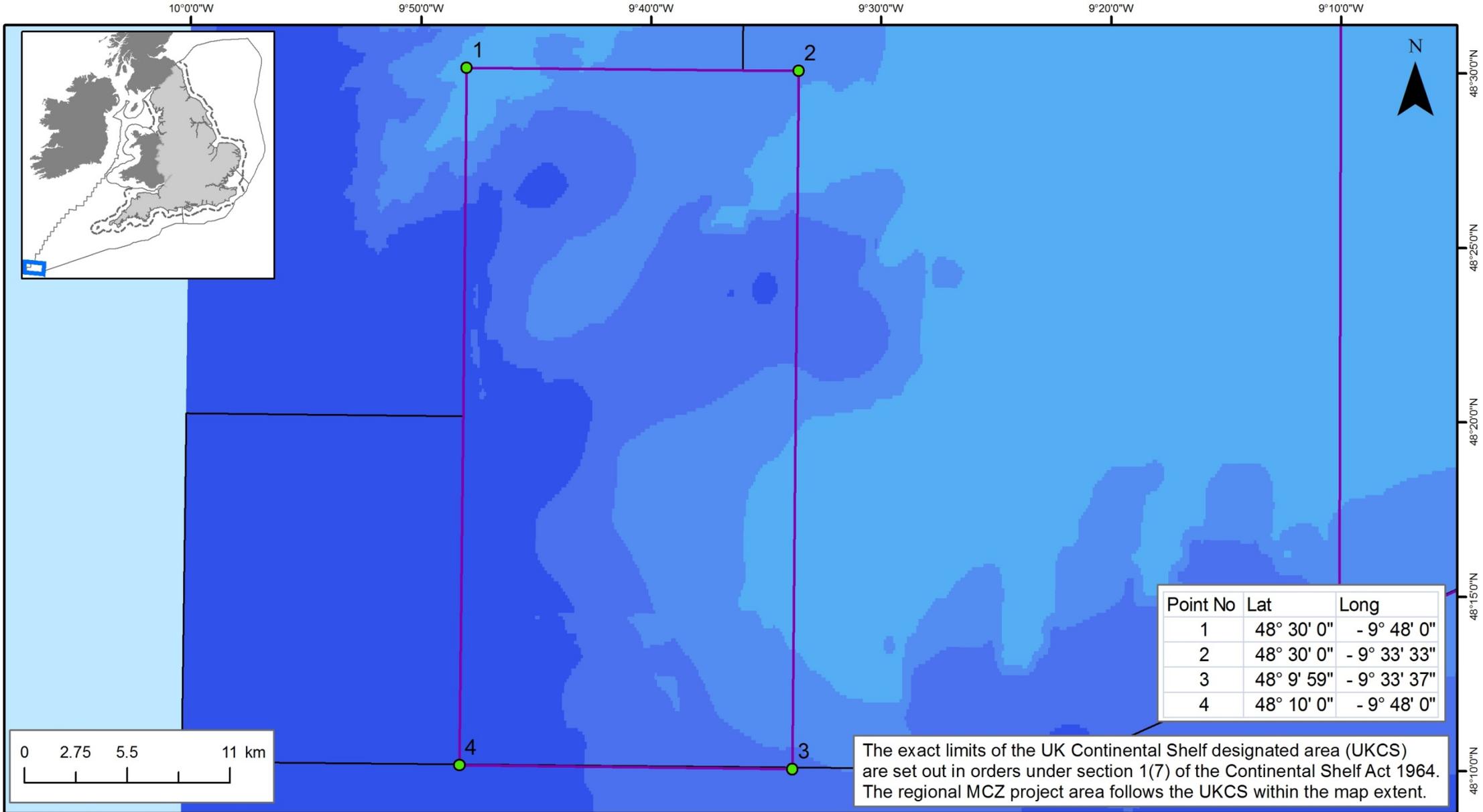
Within this site existing data suggests that the features deep sea bed and cold-water coral reefs have acceptable data certainty.

**Conclusion**

The advantages justify the socio-economic costs, and the SCNBs have highlighted this site as being particularly high risk. This site has been proposed for designation in 2013 for the features demonstrated in the table below.

**Table 4. Features Proposed for Designation in 2013**

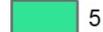
<b>Features for designation in 2013</b>	<b>Features requiring improvement in data certainty prior to designation</b>
Deep sea bed	
Cold-water coral reef	



### The Canyons rMCZ

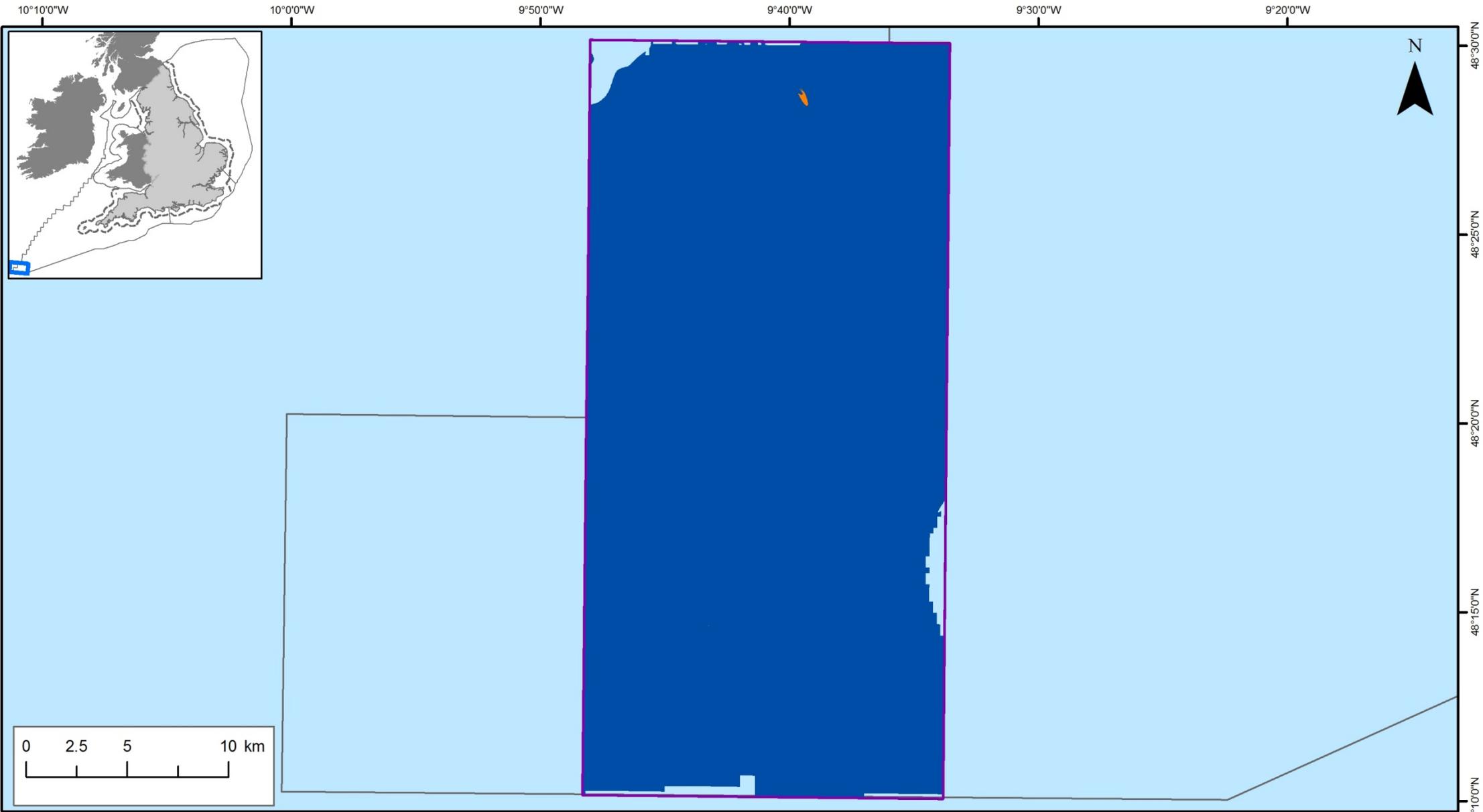
-  Recommended MCZ
-  rMCZ boundary co-ordinates
-  Regional MCZ project area
-  12nM Territorial Seas Limit
-  Land

### Depth Areas (metres)

-  0 - 5
-  5 - 10
-  10 - 25
-  25 - 50
-  50 - 100
-  100 - 250
-  250-500
-  500 - 1000
-  1,000 -5000

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Map Projection: WGS84UTM29N, Inset: BNG



## The Canyons rMCZ

- |  |                             |  |
|--|-----------------------------|--|
|  | Recommended MCZ             | <b>Features proposed for 2013 designation</b>  |
|  | Regional MCZ project area   |  Cold-water coral reefs |
|  | 12nM Territorial Seas Limit |  Deep-sea bed (A6)      |
|  | Land                        |  |

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Map Projection:WGS84UTM29N, Inset:BNG

## Consultation Site Summary: Lundy

Additional Information for this site can be found in the SNCB Advice (page 988) and Regional Project recommendations (FS – 5 page 875).

**Table 1. General Information on site and all features recommended by Regional Projects**

<b>Regional Project:</b> Finding Sanctuary		<b>Site surface area:</b> 31 km <sup>2</sup>		<b>Biogeographic Region:</b> Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)	
<b>Site Location:</b> 51.1841 -4.6685 (centre location)					
<b>Inshore/Offshore:</b> Inshore					
<b>Feature type</b>	<b>Feature name</b>	<b>Area/no. of records</b>	<b>Conservation Objective</b>		
Species FOCI	Spiny lobster ( <i>Palinurus elephas</i> )	8 records	Recover		
Habitat FOCI	Mud habitats in deep water	14 records	Recover <sup>3</sup>		
Mobile species not listed in ENG	Manx shearwater ( <i>Puffinus puffinus</i> )		Maintain		
Mobile species not listed in ENG	Guillemot ( <i>Uria aalge</i> )		Maintain		

<sup>3</sup> Following advice from SCNBs, the Conservation Objective for this feature has changed from the original Regional Project recommendation

Mobile species not listed in ENG	Razorbill ( <i>Alca torda</i> )		Maintain
Mobile species not listed in ENG	Puffin ( <i>Fratercula arctica</i> )		Maintain

**Table 2. Sector Impacts and Associated Best Estimate Costs**

Sectors Impacted	Best Estimate Costs (£ per year)
N/A – no costs calculated as site is already designated as an MCZ	

**Table 3. Designation Status of Site and Rationale**

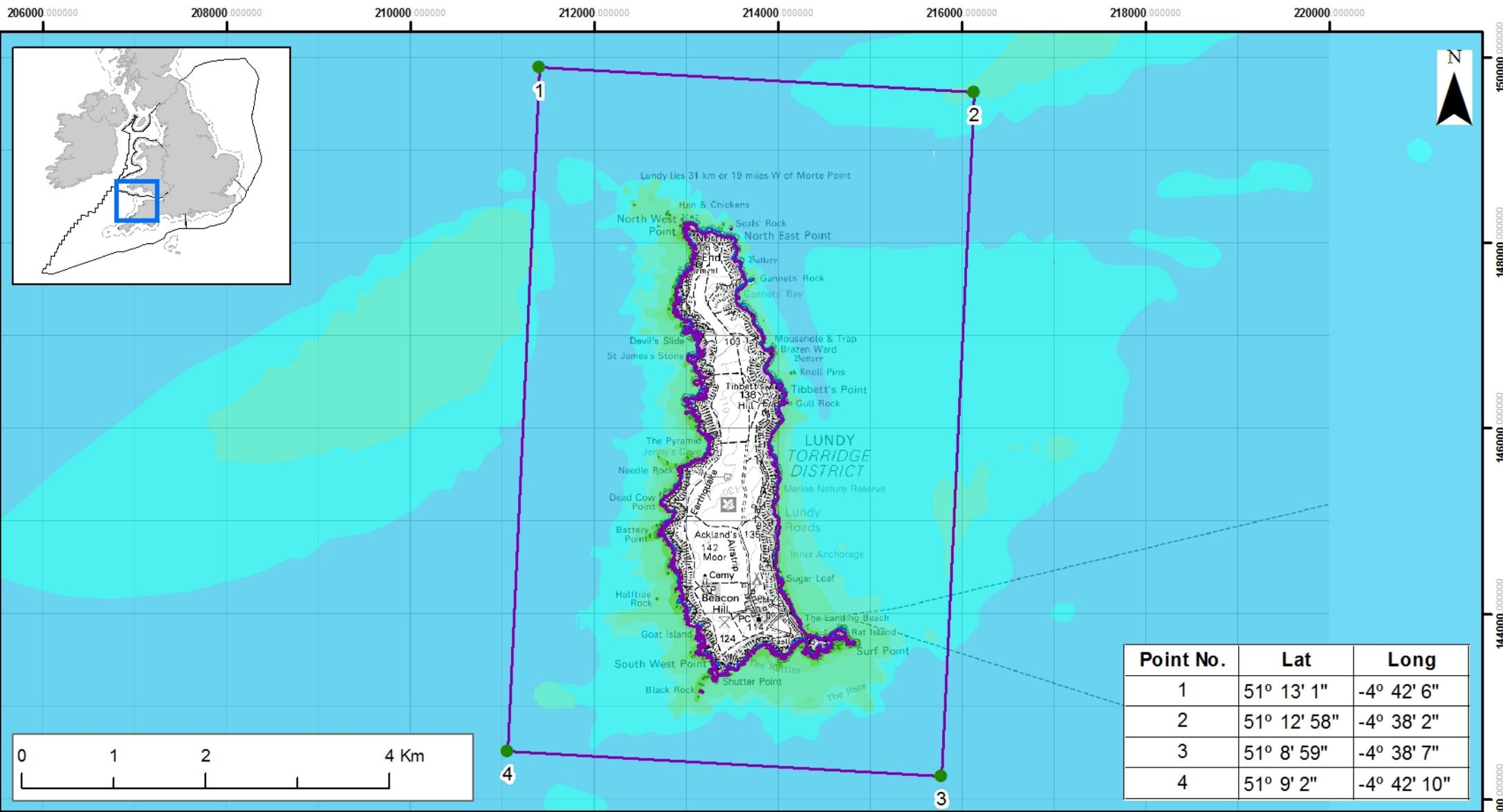
<b>Decision</b>	Designation in 2013 tranche
<p><b>Rationale for Decision:</b></p> <p><b>Site Advantages</b> – N/A as site is already designated as an MCZ</p> <p><b>Socio-Economics</b> - N/A as site is already designated as an MCZ</p> <p><b>Data Certainty</b></p> <p>Within this site all ENG features have acceptable data certainty.</p> <p><b>Conclusion</b></p>	

As an existing Marine Nature Reserve, Lundy became a MCZ under the provisions of the Marine and Coastal Access Act in January 2010. The site's inclusion within this consultation is for the protection of specific features proposed by the Finding Sanctuary Regional Project within the MCZ.

The two ENG features (Mud habitats in deep water, and spiny lobster) are to be designated in the Lundy MCZ in the 2013 tranche. The regional project also proposed four non-ENG features and these features will require further consideration.

#### **Table 4. Features Proposed for Designation in 2013**

<b>Features for designation in 2013</b>	<b>Features requiring improvement in data certainty prior to designation</b>
Mud habitats in deep water	
<i>Palinurus elephas</i> (Spiny lobster)	



Point No.	Lat	Long
1	51° 13' 1"	-4° 42' 6"
2	51° 12' 58"	-4° 38' 2"
3	51° 8' 59"	-4° 38' 7"
4	51° 9' 2"	-4° 42' 10"

## Lundy

Recommended MCZ

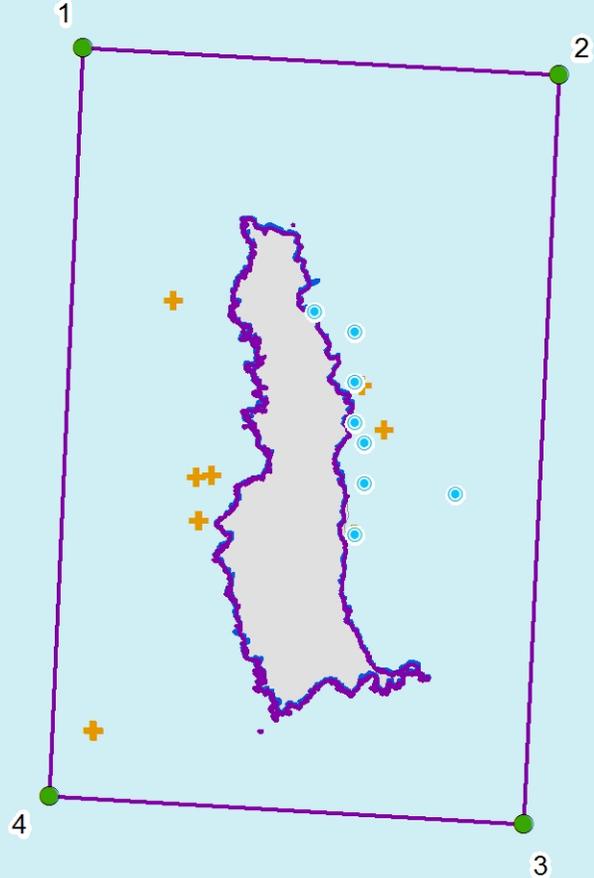
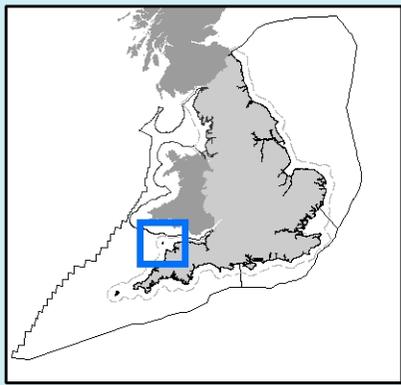
-  Recommended MCZ
-  rMCZ boundary co-ordinates
-  MCZ Regional Projects boundaries
-  England 12nM Territorial Seas Limit
-  SAC with Marine Components

## Depth Areas (m)

-  -20.0 - -10.0
-  -9.9 - -5.0
-  -4.9 - 0.0
-  0.1 - 5.0
-  5.1 - 10.0
-  10.1 - 25.0
-  25.1 - 50.0
-  50.1 - 100.0
-  100.1 - 250.0
-  250.1 - 500.0
-  500.1 - 1000.0

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204000.000000 206000.000000 208000.000000 210000.000000 212000.000000 214000.000000 216000.000000 218000.000000 220000.000000 222000.000000 224000.000000



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142000.000000



- Lundy MCZ**
- Recommended MCZ
  - rMCZ boundary co-ordinates
  - Regional MCZ project area
  - 12nM Territorial Seas Limit
  - 6nM Territorial Seas Limit
  - Land
  - SAC with Marine Components

- Features proposed for 2013 designation**
- Mud habitats in deep water
  - Palinurus elephas

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Reference: Theme ID: 1468000  
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## Consultation Site Summary: Padstow Bay and Surrounds

Additional Information for this site can be found in the SNCB Advice (page 974) and Impact Assessment [(Annex 12 Option 2 Finding Sanctuary, Page 56) and Regional Project recommendations FS – 5 (page 820)].

**Table 1. General Information on site and all features recommended by Regional Projects**

<b>Regional Project:</b> Finding Sanctuary		<b>Site surface area:</b> 92 km <sup>2</sup>		<b>Biogeographic Region:</b> Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)	
<b>Site Location:</b> 50.5476 -5.0574 (centre location)					
<b>Inshore/Offshore:</b> Inshore					
<b>Feature type</b>	<b>Feature name</b>	<b>Area/no. of records</b>	<b>Conservation Objective</b>		
Broad Scale Habitat	Subtidal coarse sediment	24 km <sup>2</sup>	Maintain		
Broad Scale Habitat	Moderate energy circalittoral rock	12 km <sup>2</sup>	Maintain		
Broad Scale Habitat	Moderate energy infralittoral rock	1 km <sup>2</sup>	Maintain		
Broad Scale Habitat	High energy circalittoral rock	10 km <sup>2</sup>	Maintain		
Broad Scale Habitat	High energy infralittoral rock	44 km <sup>2</sup>	Maintain		
Broad Scale Habitat	High energy intertidal rock	0.5 km <sup>2</sup>	Maintain		
Broad Scale Habitat	Intertidal coarse sediment	0.1 km <sup>2</sup>	Maintain		

Broad Scale Habitat	Intertidal mud	0.7 km <sup>2</sup>	Maintain
Broad Scale Habitat	Intertidal sand and muddy sand	0.1 km <sup>2</sup>	Maintain
Broad Scale Habitat	Moderate energy intertidal rock	<0.01 km <sup>2</sup>	Maintain
Species FOCI	Ocean quahog ( <i>Arctica islandica</i> )	1 record	Maintain
Species FOCI	Pink sea-fan ( <i>Eunicella verrucosa</i> )	21 records	Maintain
Species FOCI	Stalked jellyfish ( <i>Haliclystus auricular</i> )	1 record	Maintain
Species FOCI	Stalked jellyfish ( <i>Lucernariopsis cruxmelitenis</i> )	1 record	Maintain <sup>4</sup>
Species FOCI	Spiny lobster ( <i>Palinurus elephas</i> )	1 record	Recover <sup>1</sup>
Mobile species not listed in ENG	Bottlenose dolphin ( <i>Tursiops truncatus</i> )		Maintain
Mobile species not listed in ENG	Fulmar ( <i>Fulmarus glacialis</i> )		Maintain
Mobile species not listed in ENG	Guillemot ( <i>Uria aalge</i> )		Maintain
Mobile species not listed in ENG	Puffin ( <i>Fratercula arctica</i> )		Maintain

<sup>4</sup> Following advice from SNCBs, the Conservation Objective for this feature has changed from the original Regional Project recommendation.

Mobile species not listed in ENG	Razorbill ( <i>Alca torda</i> )		Maintain
Mobile species not listed in ENG	Kittiwake ( <i>Rissa tridactyla</i> )		Maintain

**Table 2. Sector Impacts and Associated Best Estimate Costs**

Sectors Impacted	Best Estimate Costs (£ per year)
Archaeology	Non-Site Specific Cost
Commercial Fishing	2,000
Flood and Coastal Erosion Risk Management	Non-Site Specific Cost
Renewable Energy (wind, wave and tidal)	1,000
Ports, Harbours and Commercial Shipping	7,000
Best Estimate Total Cost = £10,000	

**Table 3. Designation Status of Site and Rationale**

<b>Decision</b>	Designation in 2013 tranche
<b>Rationale for Decision:</b>	
<b>Site Advantages</b>	
<p>Padstow Bay and Surrounds recommended MCZ is a site in the inshore area that covers an area of 92 km<sup>2</sup>. The site is proposed for a wide range of features that includes 10 Broad Scale Habitats, five FOCI species and six mobile species not listed as species required for MCZs in the ENG. The site is important to meet minimum adequacy targets for Subtidal coarse sediment and Moderate energy circalittoral rock, it is also key for ensuring connectivity between sites in the regional area. It contributes to</p>	

replication targets for Stalked jellyfish (*Lucernariopsis cruxmelitenis*) and Spiny lobster (*Palinurus elephas*) in the region. As an area of additional ecological importance, it also provides a rich area for cetaceans, seabirds and basking sharks due to productive tidal fronts. The feature Spiny lobster (*Palinurus elephas*) is highly sensitive and subject to one or more pressures, the feature is therefore at risk of damage or disturbance.

### **Socio-Economics**

The Padstow harbour authority has concerns with the MCZ overlap with a disposal area, however they are more supportive of the final MCZ than they were of a precursor site that included regular dredging areas. The main sector impacted is the ports and harbours sector with a best estimate annual cost of £6,000. There is also potential impact to the renewable sector with a best estimate annual cost of £1,000, and commercial fishing of £2,000. Impacts to the archaeology and flood and coastal erosion risk management are assessed at a national level.

### **Data Certainty**

Within this site all features except High energy intertidal rock, Pink sea fan (*Eunicella verrucosa*), and Spiny lobster (*Palinurus elephas*) have unacceptable data certainty. Within this site the SNCBs have highlighted the Spiny lobster (*Palinurus elephas*) as a higher risk feature

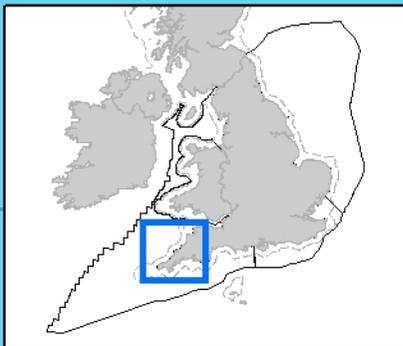
### **Conclusion**

As the advantages for this site justify the socio-economic costs, and the SNCBs have highlighted this site as higher risk, this site has been proposed for designation in 2013 for the features as demonstrated in the table above. Further work will be required to improve the data certainty for features not proposed for designation in 2013 prior to inclusion in future designations. For this site the regional project also proposed six non-ENG features, these features will also require further consideration.

**Table 4. Features Proposed for Designation in 2013**

Features for designation in 2013	Features requiring improvement in data certainty prior to designation
High energy intertidal rock	Subtidal coarse sediment
<i>Eunicella verrucosa</i> (Pink sea-fan)	Moderate energy circalittoral rock
<i>Palinurus elephas</i> (Spiny lobster)	Moderate energy infralittoral rock
	High energy circalittoral rock
	High energy infralittoral rock
	Intertidal coarse sediment
	Intertidal mud
	Intertidal sand and muddy sand
	Moderate energy intertidal rock
	<i>Arctica islandica</i> (Ocean quahog)
	<i>Haliclystus auricular</i> (Stalked jellyfish)
	<i>Lucernariopsis cruxmelitenis</i> (Stalked jellyfish)

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Point No.	Lat	Long
1	50° 34' 59"	-5° 7' 59"
2	50° 35' 3"	-5° 2' 0"
3	50° 34' 21"	-4° 59' 50"
4	50° 34' 19"	-4° 59' 44"
5	50° 34' 18"	-4° 59' 41"
6	50° 35' 1"	-4° 56' 55"
7	50° 35' 17"	-4° 54' 45"
8	50° 35' 12"	-4° 56' 7"
9	50° 34' 9"	-4° 56' 42"
10	50° 29' 51"	-5° 2' 48"
11	50° 29' 51"	-5° 7' 58"

The landward boundary between points 3 and 4, 7 and 8, 9 and 10 follows Ordnance Survey Mastermap Mean High Water and is liable to change. The boundary between points 6 and 7 arches around Pentire Point and the Rumps at a distance of 1Km.

### Padstow Bay and Surrounds

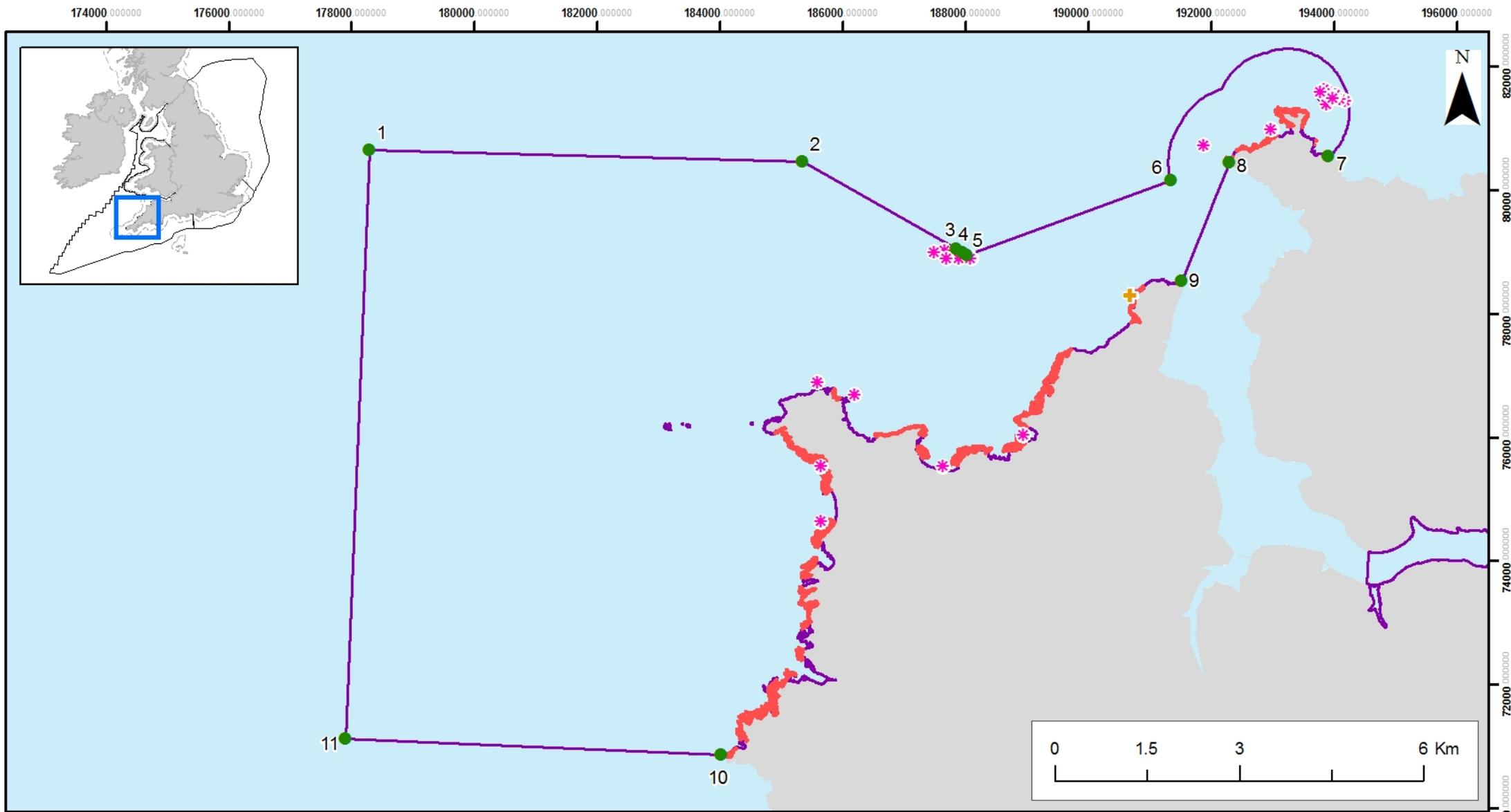
Recommended MCZ

- Recommended MCZ
- rMCZ boundary co-ordinates
- MCZ Regional Projects boundaries
- England 12nM Territorial Seas Limit

### Depth Areas (m)

- 20.0 - -10.0
- 9.9 - -5.0
- 25.1 - 50.0
- 4.9 - 0.0
- 0.1 - 5.0
- 50.1 - 100.0
- 100.1 - 250.0
- 250.1 - 500.0
- 5.1 - 10.0
- 500.1 - 1000.0
- 10.1 - 25.0

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## Padstow bay and Surrounds

Recommended MCZ

- Recommended MCZ
- rMCZ boundary co-ordinates
- MCZ Regional Projects boundaries
- England 12nM Territorial Seas Limit
- Land

### Features proposed for 2013 designation

- ✱ Pink sea-fan (*Eunicella verrucosa*)
- + Spiny lobster (*Palinurus elephas*)
- High energy intertidal rock (A1.1)

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