

Department for Environment, food and Rural Affairs

Annex A1 – Part 2.2 - Finding Sanctuary - Sites proposed for designation in 2013

15 January 2013 - Document amendments: Corrections to table 4 (pg 12) to include feature Sea-fan anemone (*Amphianthus dohrnii*) as feature proposed for designation in 2013 in the Isles of Scilly Sites MCZ. Also correction of incorrect features displayed in feature maps for sub sites, Gilstone to Gorregan (pg 28), Hanjague to Deep Ledge (pg 29), and Smith Sound (pg 38).

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/

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)

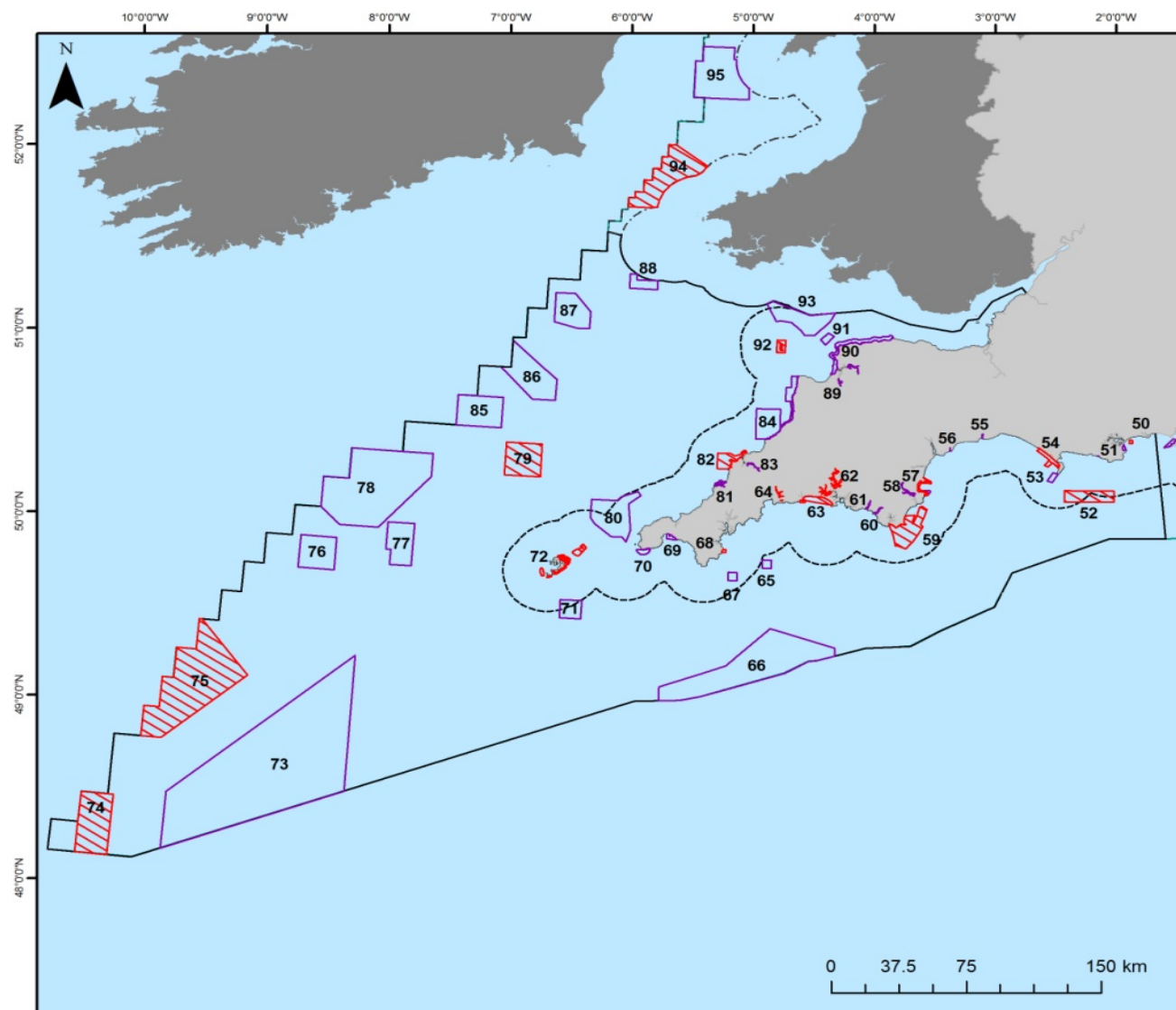
Finding Sanctuary

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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 (www.ukho.gov.uk). Map produced by
 Natural England/JNCC 2012. The exact limits of
 the UK Continental Shelf designated area (UKCS)
 are set out in orders under section 1(7) of the
 Continental Shelf Act 1964. The regional MCZ
 project area follows the UKCS in English waters.
 Map Projection: BNG

Map Label	Site Name	Regional Project Number	Map Label	Site Name	Regional Project Number
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: Isles of Scilly Sites

Additional Information for this site can be found in the SNCB Advice (page 958) and Impact Assessment (Annex I2 Option 2 Finding Sanctuary, Page 29) and Regional Project recommendations FS – 4 (page 738).

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

Regional Project: Finding Sanctuary	Site surface area: 92 km ²	Biogeographic Region: Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)
Site Location: N/A multiple locations		
Inshore/Offshore: Inshore		
The Isles of Scilly Sites rMCZ consists of 11 spatially separate areas, whilst treated as a single MCZ consisting of multiple areas, it differs from other multipart MCZs in that there are different conservation objectives between the 11 areas.		
The 11 sites are Bishop to Crim ₁ ; Bristows to the Stones ₂ ; Gilstone to Gorregan ₃ ; Hanjague to Deep Ledge ₄ ; Higher Town ₅ ; Lower		

Ridge to Innisvoul₆; Men a Vaur to White Island₇; Peninnis to Dry Ledge₈; Plympton to Spanish Ledge₉; Smith Sound Tide Swept Channel₁₀; Tean₁₁. The features have been combined in the table below, noting where the feature conservation objectives differ between sites. Site numbers are noted against the feature where they have been recommended by the Regional Projects for designation

Feature type	Feature name	Area/no. of records	Conservation Objective
Broad Scale Habitat	High energy circalittoral rock ^{1,2,3,4,6,7,8,9}	0.5 km ²	Maintain (Recover at Bristows to the Stones)
Broad Scale Habitat	High energy infralittoral rock ^{1,2,3,4,5,6,7,8,9,10,11}	6 km ²	Maintain (Recover at Bristows to the Stones)
Broad Scale Habitat	Moderate energy circalittoral rock ^{1,2,3,4,6,7,8,9,10}	19 km ²	Maintain (Recover at Bristows to the Stones)
Broad Scale Habitat	Moderate energy infralittoral rock ^{1,2,3,4,5,6,7,8,9,10,11}	15 km ²	Maintain (Recover at Bristows to the Stones)
Broad Scale Habitat	Low energy circalittoral rock ⁴	0.06 km ²	Maintain
Broad Scale Habitat	Low energy infralittoral rock ⁴	0.2 km ²	Maintain
Broad Scale Habitat	High energy intertidal rock ^{3,4,7,9,10,11}	0.2 km ²	Maintain
Broad Scale Habitat	Intertidal coarse sediment ^{4,5,7,8,11}	0.3 km ²	Maintain
Broad Scale Habitat	Intertidal mixed sediment ⁸	0.01 km ²	Maintain

Broad Scale Habitat	¹ Intertidal mud ^{5,7,8,11}		Maintain
Broad Scale Habitat	Intertidal sand and muddy sand ^{5,7,8,9,11}	0.2 km ²	Maintain
Broad Scale Habitat	Subtidal coarse sediment ^{1,2,3,8}	1.8 km ²	Maintain
Broad Scale Habitat	Subtidal mixed sediments ^{2,4,5,6,8,11}	1.7 km ²	Maintain
Broad Scale Habitat	Subtidal sand ^{4,5,6,7,8,9,10,11}	0.8 km ²	Maintain
Broad Scale Habitat	Low energy intertidal rock ^{5,8}	0.02 km ²	Maintain
Broad Scale Habitat	High energy intertidal rock ^{3,4,7,9,10,11}	0.2 km ²	Maintain
Broad Scale Habitat	Moderate energy intertidal rock ^{3,4,5,6,7,8,9,10,11}	0.2 km ²	Maintain
Broad Scale Habitat	Subtidal macrophyte-dominated sediment ^{5,6,11}	0.9 km ²	
Habitat FOCI	Fragile sponge & anthozoan communities on subtidal rocky habitats ^{1,2,3,4,6,7,8,9,11}	43 records	Maintain (Recover at Bristows to the Stones)
Habitat FOCI	Tide-swept channels ^{3,5,6,7,10,11}	7 records	Maintain
Habitat FOCI	Intertidal under boulder communities ^{4,5,7,8,9,11}	6 records	Maintain

¹ Following advice from the SCNBs, this feature is to be removed as the feature does not occur in any of the Isles of Scilly sites

Habitat FOCI	Peat & clay exposures ⁵	1 record	Maintain
Habitat FOCI	Seagrass beds ^{5,6,7,11}	20 records	Maintain
Species FOCI	Pink sea-fan (<i>Eunicella verrucosa</i>) ^{1,2,3,4,6,7,8,9,10}	120 records	Maintain (Recover at Bristows to the Stones)
Species FOCI	Spiny lobster (<i>Palinurus elephas</i>) ^{1,2,3,4,6,7,8,9,10}	10 records	Recover
Species FOCI	Sea-fan anemone (<i>Amphianthus dohrnii</i>) ^{3,4,6,7,8,9,10}	10 records	Maintain
Species FOCI	Giant goby (<i>Gobius cobitis</i>) ^{3,8,10}	7 records	Maintain
Species FOCI	Stalked jellyfish (<i>Haliclystus auricula</i>) ^{3,5,7,8}	14 records	Maintain
Species FOCI	Stalked jellyfish (<i>Lucernariopsis campanulata</i>) ^{5,7,8}	6 records	Maintain
Species FOCI	² Sea snail (<i>Paludinella littorina</i>) ^{3,8}	-	Maintain
Species FOCI	Sunset cup coral (<i>Leptopsammia pruvoti</i>) ^{4,6,8,9}	16 records	Maintain

2 The sea snail (*Paludinella littorina*) has been removed from Schedule 5 of the Wildlife and Countryside Act. This means that it is no longer a Feature of Conservation Importance (FOCI) so has been removed as a feature for designation.

Species FOCI	Ocean quahog (<i>Arctica islandica</i>) ⁸	3 records	Maintain
Species FOCI	Red seaweed (<i>Cruoria cruoriaeformis</i>) ¹⁰	2 records	Maintain
Species FOCI	Stalked jellyfish (<i>Lucernariopsis cruxmelitensis</i>) ¹⁰	1 record	Maintain
Species FOCI	Stalked jellyfish – 2 species to be confirmed ¹¹		Maintain

Table 2. Sector Impacts and Associated Best Estimate Costs

Sectors Impacted	Best Estimate Costs (£ per year)
Archaeology	Non-Site Specific Cost
Commercial Fishing	<1000
Flood and Coastal Erosion Risk Management	Non-Site Specific Cost
National Defence	Non-Site Specific Cost
Renewable Energy (wind, wave and tidal)	1000
Ports, Harbours and Commercial Shipping	<1000
	Best Estimate Total Cost = £1,000

Table 3. Designation Status of Site and Rationale

Decision	Designation in 2013 tranche
<p>Rationale for Decision:</p> <p>Site Advantages</p> <p>The Isles of Scilly recommended MCZ is a site in the inshore area that covers an area of 472.66 km², and consists of 11 spatially separate areas. The site is proposed for a wide range of features that includes 18 Broad Scale Habitats, five habitat FOCI and 12 species FOCI representing the site's exceptionally rich biodiversity. It includes the only southwest records of tide swept communities and the largest concentration of records of Stalked jellyfish (<i>Lucernariopsis campanulata</i>). The site represents exceptionally high quality examples of a range of habitats including rock habitat communities which are characterised by high diversity and support commercial fisheries species such as crab and lobster. Subtidal macrophyte-dominated sediment contains rich algal habitats such as kelp and Subtidal seagrass beds (<i>Zostera marina</i>) which provide high rates of productivity and niches for a range of species. Also, Subtidal sediments provide important nursery grounds for fish species, some of which support seabirds such as puffin, razorbills and guillemots. As the sites lie within the existing Isles of Scilly SAC, they provide scientific value as have already been subject to considerable research on the marine environment.</p> <p>Socio-Economics</p> <p>The Isles of Scilly sites are well supported by local stakeholders, the Regional Project proposals were 100% supported by all stakeholders in Scilly. A number of sectors will be impacted depending on specific management measures, the best estimate annual impact to the renewable sector is £1,000, commercial fishing <£1,000 and ports and harbours <£1,000. Impacts to the archaeology, flood and coastal erosion risk management, and national defence sectors are assessed at a national level.</p> <p>Data Certainty</p> <p>Across the sub-sites and features the data certainty varies. Features with acceptable data certainty have been put forward for designation in 2013, while features with unacceptable data certainty will require further work prior to designation. None of the features proposed for the area Bristows to the Stowes have acceptable data certainty and therefore this area will require further</p>	

work prior to designation.

Conclusion

The advantages for this site justify the socio-economic costs and the data certainty is acceptable for sufficient features, therefore 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.

The Regional Project recommendations included proposals for two “non-ground disturbance areas” (one in Tean and one in the Smith Sound Tide Swept Channel) for greater protection. These areas are not included here as separate areas as they relate to specific areas of management, and setting management measures is being conducted separately to this consultation.

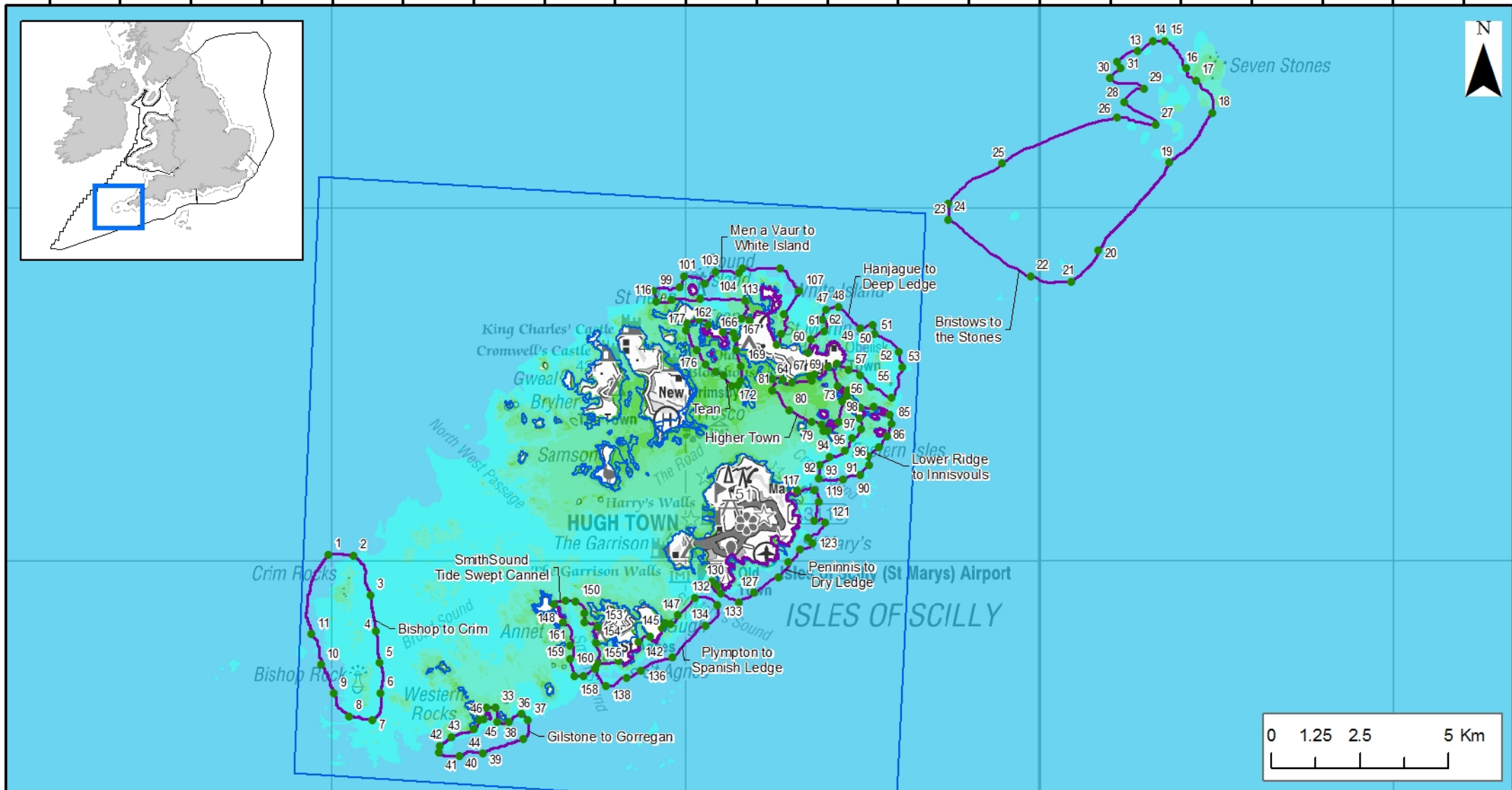
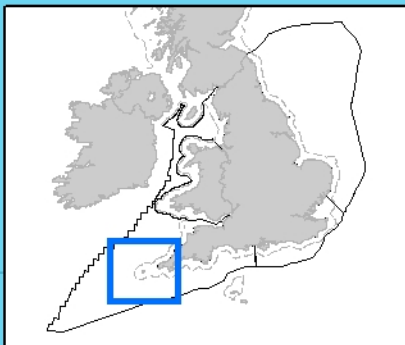
Table 4. Features Proposed for Designation in 2013

The 11 sites are Bishop to Crim ₁ ; Bristows to the Stones ₂ ; Gilstone to Gorregan ₃ ; Hanjague to Deep Ledge ₄ ; Higher Town ₅ ; Lower Ridge to Innisvoul ₆ ; Men a Vaur to White Island ₇ ; Peninnis to Dry Ledge ₈ ; Plympton to Spanish Ledge ₉ ; Smith Sound Tide Swept Channel ₁₀ ; Tean ₁₁	
Features for designation in 2013	Features requiring improvement in data certainty prior to designation
Subtidal coarse sediment _{3,8}	Subtidal coarse sediment _{1,2}
Subtidal sand _{4,7,9,10}	Subtidal sand _{5,6,8,11}
Subtidal mixed sediment _{4,5,11}	Subtidal mixed sediment _{2,6,8}

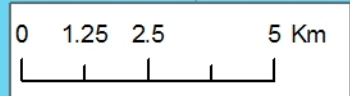
Subtidal macrophyte-dominated sediment _{5,11}	Subtidal macrophyte-dominated sediment ₆
Low energy intertidal rock ₈	Low energy circalittoral rock ₄
Moderate energy circalittoral rock _{3,7,9}	Low energy infralittoral rock ₄
Moderate energy infralittoral rock _{9,10,11}	Low energy intertidal rock ₅
Moderate energy intertidal rock _{7,8,9,10,11}	Moderate energy circalittoral rock _{1,2,4,6,8,10}
High energy circalittoral rock _{4,6,8}	Moderate energy infralittoral rock _{1,2,3,4,5,6,7,8}
High energy infralittoral rock _{4,7,9,10,11}	Moderate energy intertidal rock _{3,4,5,6}
High energy intertidal rock _{3,7,9,10,11}	High energy circalittoral rock _{1,2,3,7,9}
Intertidal under boulder communities _{4,5,7,8,9,11}	High energy infralittoral rock _{1,2,3,5,6,8}
Intertidal coarse sediment _{7,8,11}	High energy intertidal rock ₄
Intertidal sand and muddy sand _{7,8,9}	Intertidal coarse sediment _{4,5}
Intertidal mixed sediments ₈	Intertidal mud _{5,7,8,11}
Fragile sponge & anthozoan communities on subtidal rocky habitats _{3,4,6,8,9}	Intertidal sand and muddy sand _{5,11}
Peat and clay exposures ₅	Fragile sponge & anthozoan communities on subtidal rocky habitats _{1,2,7,11}
Seagrass beds _{5,7,11}	Seagrass beds ₆

Tide-swept channels ₁₀	Tide-swept channels _{3,5,6,7,11}
Spiny lobster (<i>Palinurus elephas</i>) _{1,3,4,6,7,8,9,10}	Sunset cup coral (<i>Leptopsammia pruvoti</i>) ₄
Pink sea-fan (<i>Eunicella verrucosa</i>) _{1,3,4,6,7,8,9}	Ocean quahog (<i>Arctica islandica</i>) ₈
Stalked jellyfish (<i>Lucernariopsis cruxmelitenis</i>) ₁₀	Stalked jellyfish (<i>Haliclystus auricula</i>) _{3,5,7,8}
Sunset cup coral (<i>Leptopsammia pruvoti</i>) _{6,8,9}	Stalked jellyfish (<i>Lucernariopsis campanulata</i>) _{5,7,8}
Sea-fan anemone (<i>Amphianthus dohrnii</i>) _{4,6,8,9}	Ocean quahog (<i>Arctica islandica</i>) ₈
	Pink sea-fan (<i>Eunicella verrucosa</i>) _{2,10}
	Spiny lobster (<i>Palinurus elephas</i>) ₂
	Sea-fan anemone (<i>Amphianthus dohrnii</i>) _{3,7,10}
	Giant goby (<i>Gobius cobitis</i>) _{3,8,10}
	Red seaweed (<i>Cruoria cruoriaeformis</i>) ₁₀
	Stalked jellyfish (two species to be confirmed) ₁₁

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Isles of Scilly Sites - Overview

Recommended MCZ

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

Depth Areas (m)

- | | |
|--|---|
| <ul style="list-style-type: none"> -20.0 - -10.0 -9.9 - -5.0 -4.9 - 0.0 0.1 - 5.0 5.1 - 10.0 10.1 - 25.0 | <ul style="list-style-type: none"> 25.1 - 50.0 50.1 - 100.0 100.1 - 250.0 250.1 - 500.0 500.1 - 1000.0 |
|--|---|

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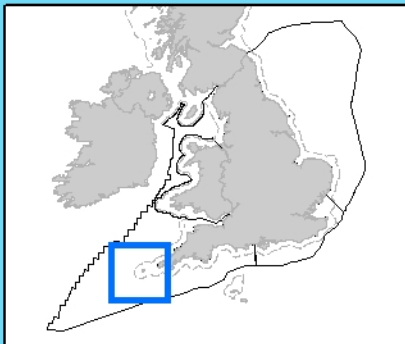
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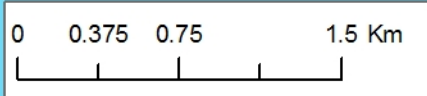
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Bishop to Crim

Gilstone to Gorregan

Point No	Latitude	Longitude
1	49° 54' 22"	-6° 27' 34"
2	49° 54' 22"	-6° 26' 59"
3	49° 53' 47"	-6° 26' 32"
4	49° 53' 15"	-6° 26' 20"
5	49° 52' 46"	-6° 26' 13"
6	49° 52' 19"	-6° 26' 10"
7	49° 51' 54"	-6° 26' 18"
8	49° 51' 56"	-6° 26' 52"
9	49° 52' 16"	-6° 27' 16"
10	49° 52' 41"	-6° 27' 36"
11	49° 53' 8"	-6° 27' 51"

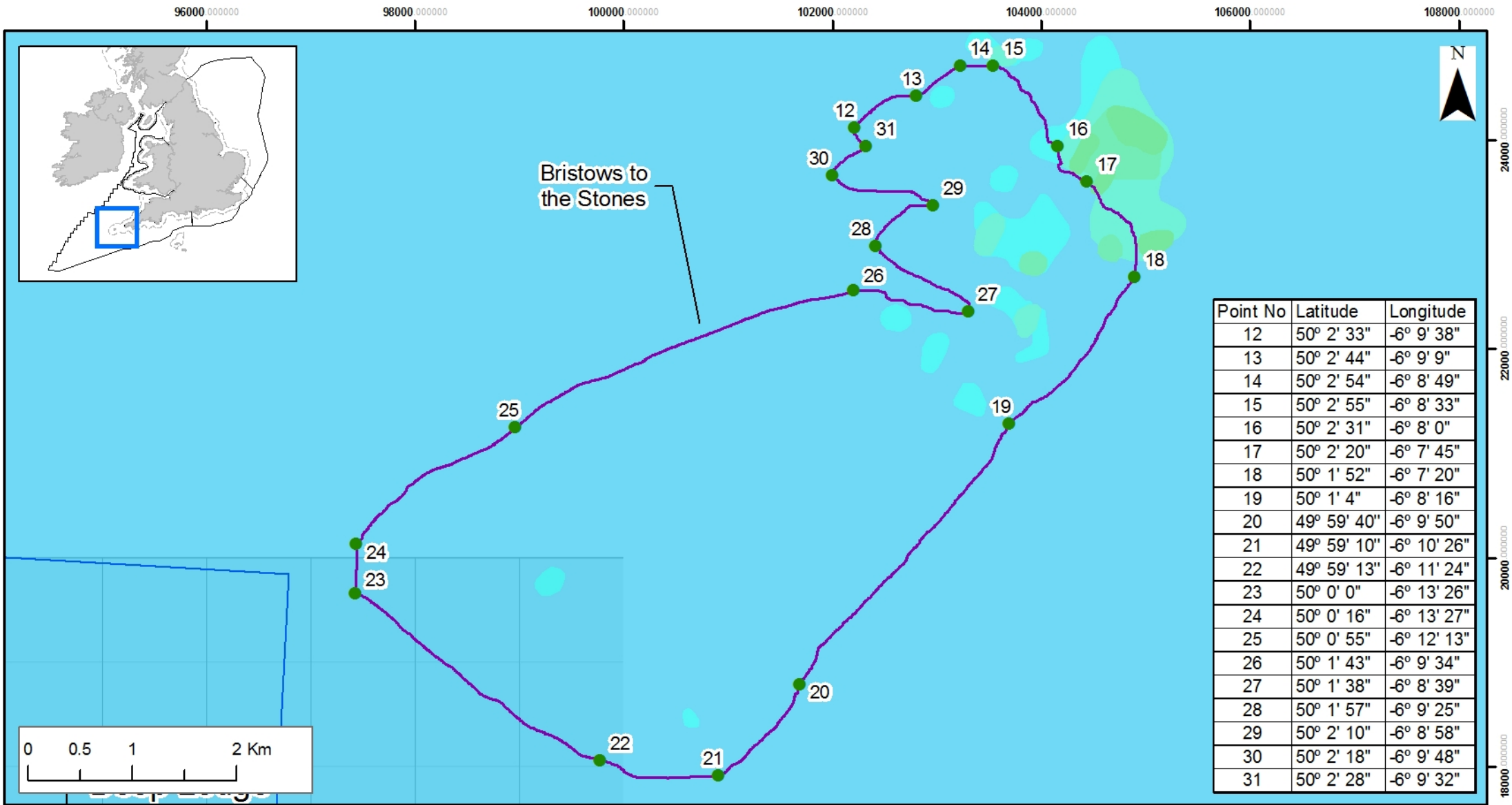
Isles of Scilly Sites - Bishop to Crim

Recommended MCZ

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

- 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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Point No	Latitude	Longitude
12	50° 2' 33"	-6° 9' 38"
13	50° 2' 44"	-6° 9' 9"
14	50° 2' 54"	-6° 8' 49"
15	50° 2' 55"	-6° 8' 33"
16	50° 2' 31"	-6° 8' 0"
17	50° 2' 20"	-6° 7' 45"
18	50° 1' 52"	-6° 7' 20"
19	50° 1' 4"	-6° 8' 16"
20	49° 59' 40"	-6° 9' 50"
21	49° 59' 10"	-6° 10' 26"
22	49° 59' 13"	-6° 11' 24"
23	50° 0' 0"	-6° 13' 26"
24	50° 0' 16"	-6° 13' 27"
25	50° 0' 55"	-6° 12' 13"
26	50° 1' 43"	-6° 9' 34"
27	50° 1' 38"	-6° 8' 39"
28	50° 1' 57"	-6° 9' 25"
29	50° 2' 10"	-6° 8' 58"
30	50° 2' 18"	-6° 9' 48"
31	50° 2' 28"	-6° 9' 32"

Isles of Scilly Sites - Bristows to the Stones

Recommended MCZ

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

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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Point No	Latitude	Longitude
32	49° 52' 11"	-6° 23' 38"
33	49° 52' 12"	-6° 23' 26"
34	49° 51' 58"	-6° 23' 22"
35	49° 51' 59"	-6° 23' 5"
36	49° 52' 7"	-6° 22' 48"
37	49° 52' 2"	-6° 22' 39"
38	49° 51' 44"	-6° 22' 44"
39	49° 51' 29"	-6° 23' 40"
40	49° 51' 25"	-6° 24' 13"
41	49° 51' 27"	-6° 24' 42"
42	49° 51' 33"	-6° 24' 41"
43	49° 51' 42"	-6° 24' 26"
44	49° 51' 50"	-6° 23' 54"
45	49° 51' 59"	-6° 23' 48"
46	49° 52' 0"	-6° 23' 41"

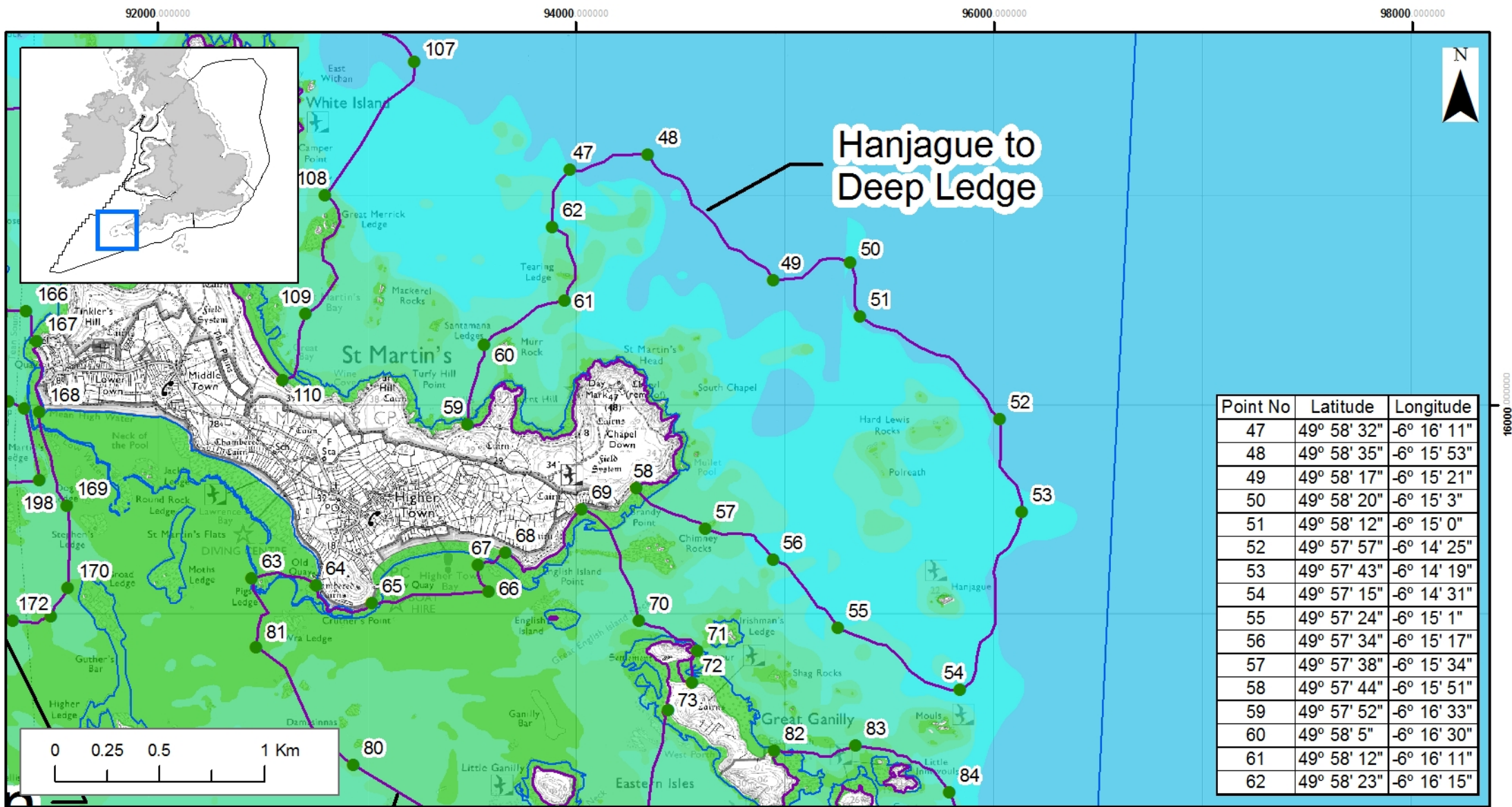
Isles of Scilly Sites - Gilstone to Gorregan

Recommended MCZ

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

- #### Depth Areas (m)
- 20.0 - -10.0
 - 25.1 - 50.0
 - 9.9 - -5.0
 - 50.1 - 100.0
 - 4.9 - 0.0
 - 100.1 - 250.0
 - 0.1 - 5.0
 - 250.1 - 500.0
 - 5.1 - 10.0
 - 500.1 - 1000.0
 - 10.1 - 25.0

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Point No	Latitude	Longitude
47	49° 58' 32"	-6° 16' 11"
48	49° 58' 35"	-6° 15' 53"
49	49° 58' 17"	-6° 15' 21"
50	49° 58' 20"	-6° 15' 3"
51	49° 58' 12"	-6° 15' 0"
52	49° 57' 57"	-6° 14' 25"
53	49° 57' 43"	-6° 14' 19"
54	49° 57' 15"	-6° 14' 31"
55	49° 57' 24"	-6° 15' 1"
56	49° 57' 34"	-6° 15' 17"
57	49° 57' 38"	-6° 15' 34"
58	49° 57' 44"	-6° 15' 51"
59	49° 57' 52"	-6° 16' 33"
60	49° 58' 5"	-6° 16' 30"
61	49° 58' 12"	-6° 16' 11"
62	49° 58' 23"	-6° 16' 15"

Isles of Scilly Sites - Hanjague to Deep Ledge

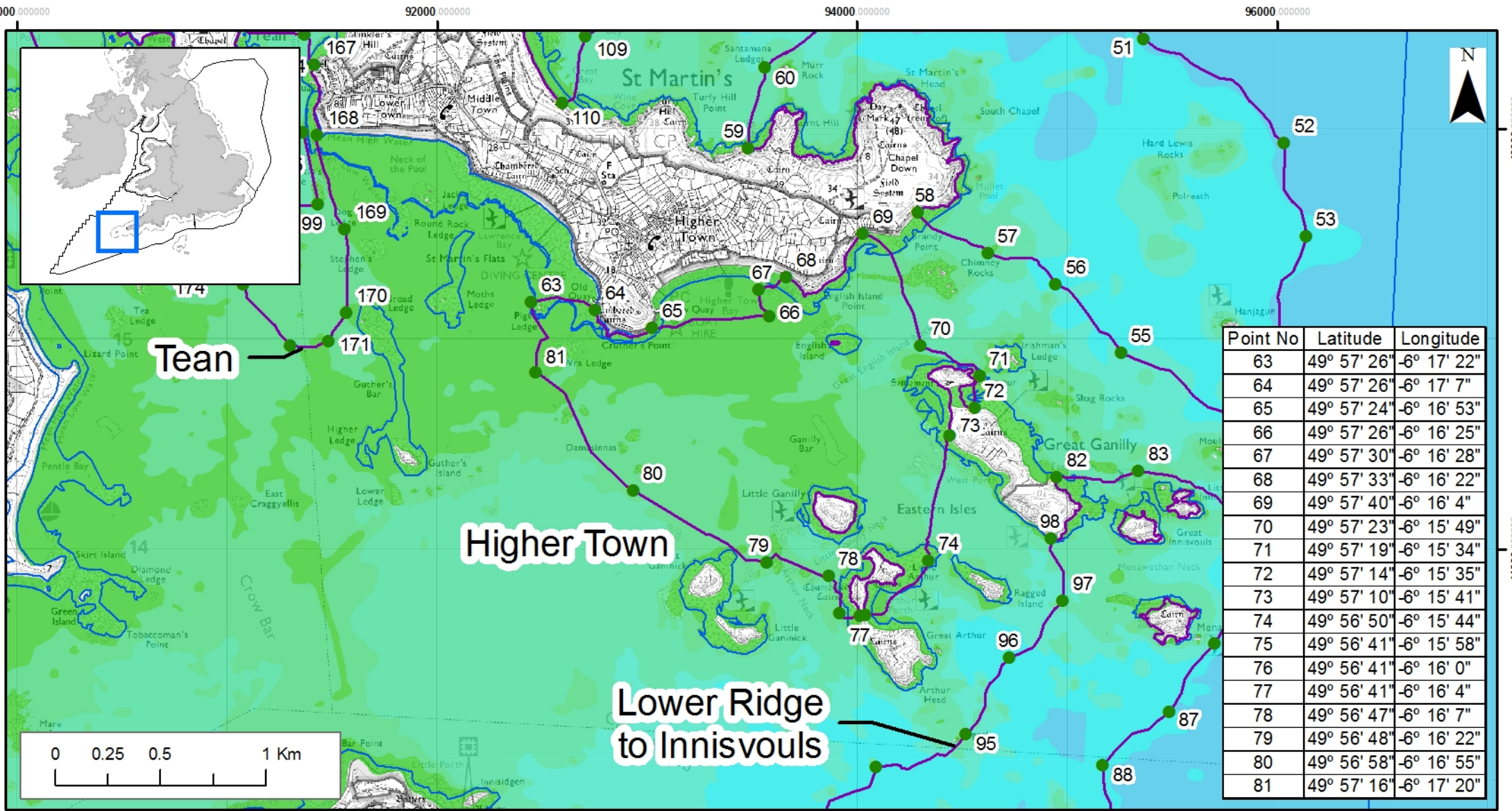
Recommended MCZ

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

Depth Areas (m)

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

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Point No	Latitude	Longitude
63	49° 57' 26"	-6° 17' 22"
64	49° 57' 26"	-6° 17' 7"
65	49° 57' 24"	-6° 16' 53"
66	49° 57' 26"	-6° 16' 25"
67	49° 57' 30"	-6° 16' 28"
68	49° 57' 33"	-6° 16' 22"
69	49° 57' 40"	-6° 16' 4"
70	49° 57' 23"	-6° 15' 49"
71	49° 57' 19"	-6° 15' 34"
72	49° 57' 14"	-6° 15' 35"
73	49° 57' 10"	-6° 15' 41"
74	49° 56' 50"	-6° 15' 44"
75	49° 56' 41"	-6° 15' 58"
76	49° 56' 41"	-6° 16' 0"
77	49° 56' 41"	-6° 16' 4"
78	49° 56' 47"	-6° 16' 7"
79	49° 56' 48"	-6° 16' 22"
80	49° 56' 58"	-6° 16' 55"
81	49° 57' 16"	-6° 17' 20"

Isles of Scilly Sites - Higher Town

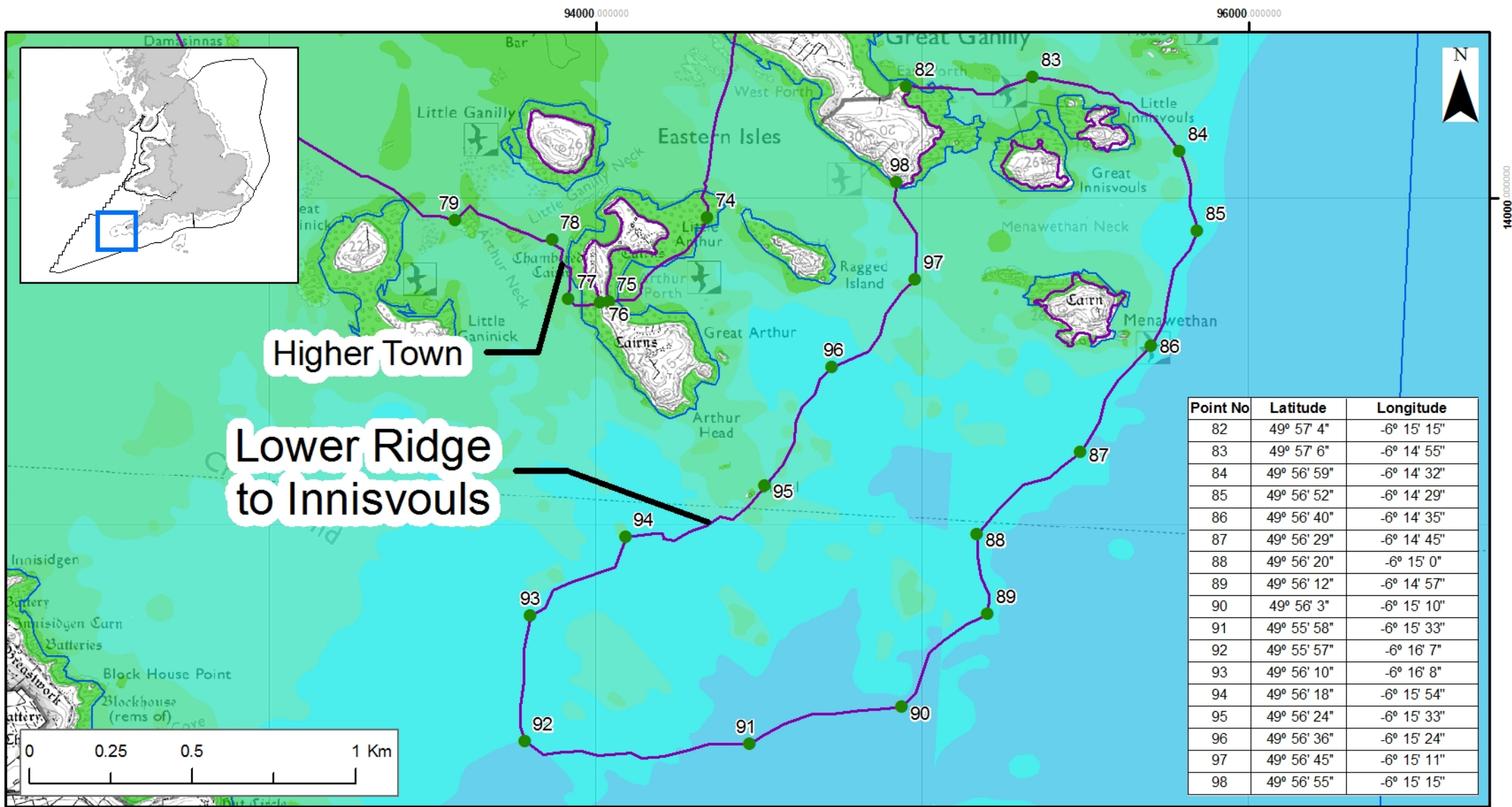
Recommended MCZ

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

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

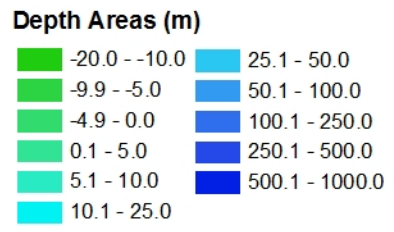
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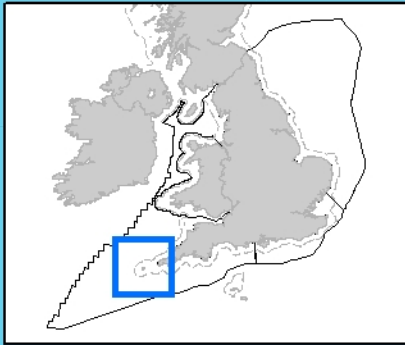
Point No	Latitude	Longitude
82	49° 57' 4"	-6° 15' 15"
83	49° 57' 6"	-6° 14' 55"
84	49° 56' 59"	-6° 14' 32"
85	49° 56' 52"	-6° 14' 29"
86	49° 56' 40"	-6° 14' 35"
87	49° 56' 29"	-6° 14' 45"
88	49° 56' 20"	-6° 15' 0"
89	49° 56' 12"	-6° 14' 57"
90	49° 56' 3"	-6° 15' 10"
91	49° 55' 58"	-6° 15' 33"
92	49° 55' 57"	-6° 16' 7"
93	49° 56' 10"	-6° 16' 8"
94	49° 56' 18"	-6° 15' 54"
95	49° 56' 24"	-6° 15' 33"
96	49° 56' 36"	-6° 15' 24"
97	49° 56' 45"	-6° 15' 11"
98	49° 56' 55"	-6° 15' 15"

Isles of Scilly Sites - Lower Ridge to Innisvouls
Recommended MCZ

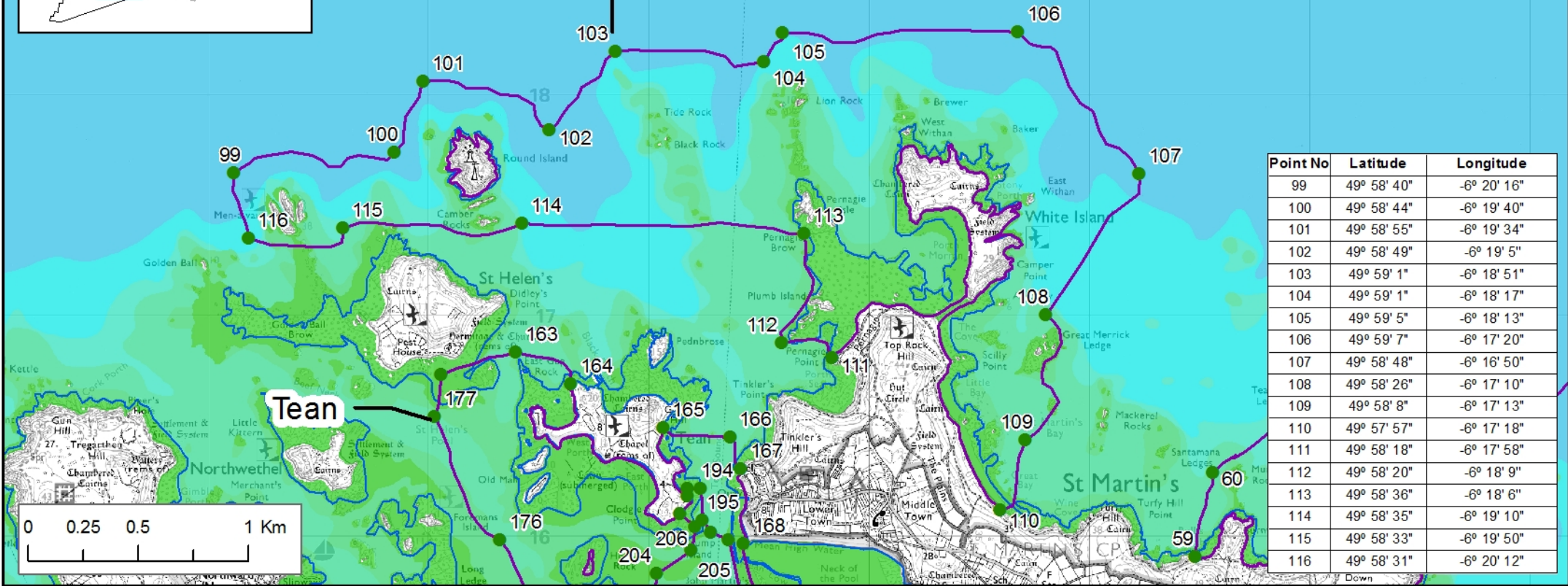
- Recommended MCZ
- rMCZ boundary co-ordinates
- SAC with Marine Components
- England 12nM Territorial Seas Limit
- MCZ Regional Projects boundaries



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Men a Vaur to White Island



Point No	Latitude	Longitude
99	49° 58' 40"	-6° 20' 16"
100	49° 58' 44"	-6° 19' 40"
101	49° 58' 55"	-6° 19' 34"
102	49° 58' 49"	-6° 19' 5"
103	49° 59' 1"	-6° 18' 51"
104	49° 59' 1"	-6° 18' 17"
105	49° 59' 5"	-6° 18' 13"
106	49° 59' 7"	-6° 17' 20"
107	49° 58' 48"	-6° 16' 50"
108	49° 58' 26"	-6° 17' 10"
109	49° 58' 8"	-6° 17' 13"
110	49° 57' 57"	-6° 17' 18"
111	49° 58' 18"	-6° 17' 58"
112	49° 58' 20"	-6° 18' 9"
113	49° 58' 36"	-6° 18' 6"
114	49° 58' 35"	-6° 19' 10"
115	49° 58' 33"	-6° 19' 50"
116	49° 58' 31"	-6° 20' 12"

Isles of Scilly Sites - Men a Vaur to White Island

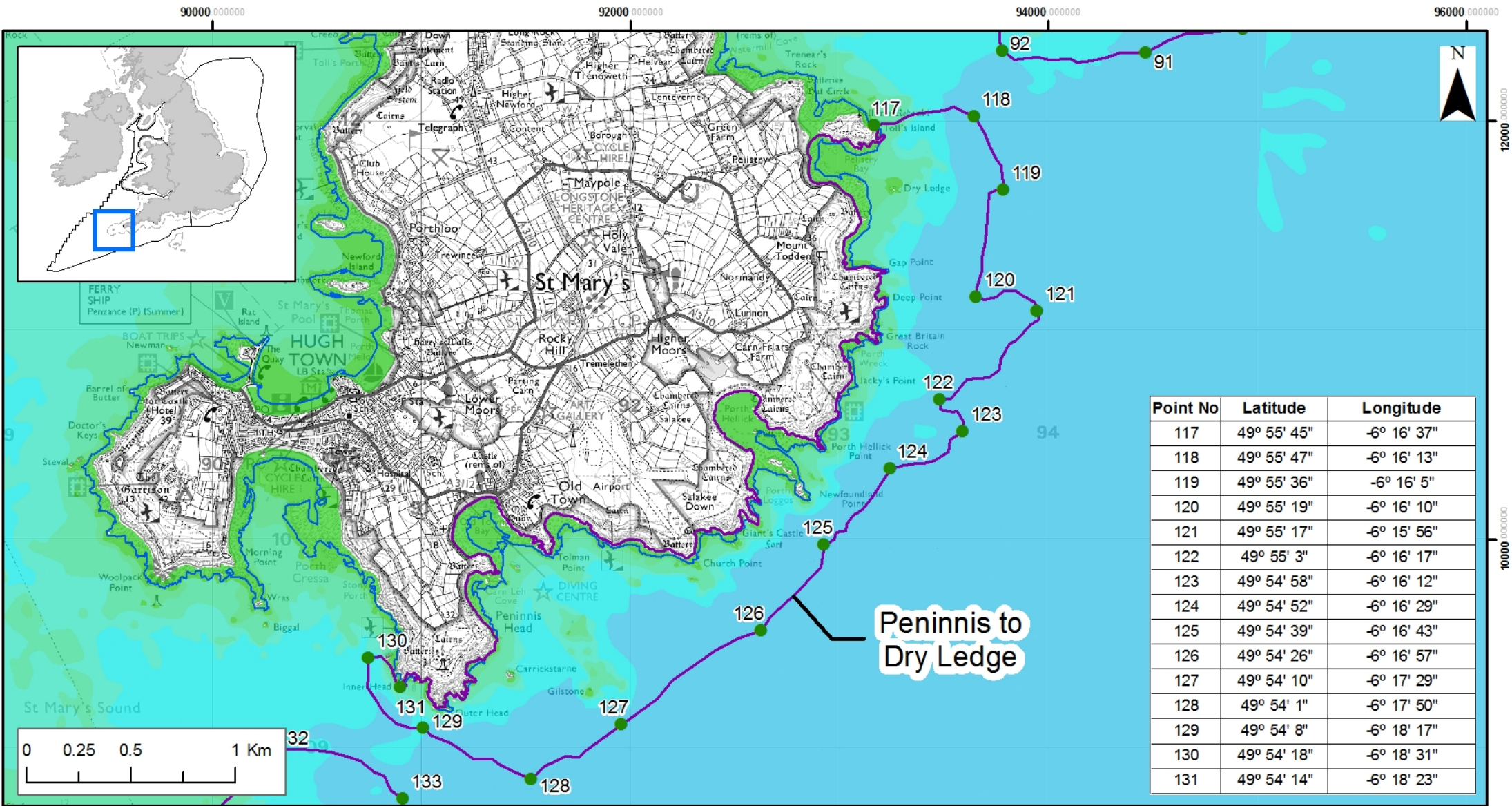
Recommended MCZ

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

Depth Areas (m)

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

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Isles of Scilly Sites - Peninnis to Dry Ledge

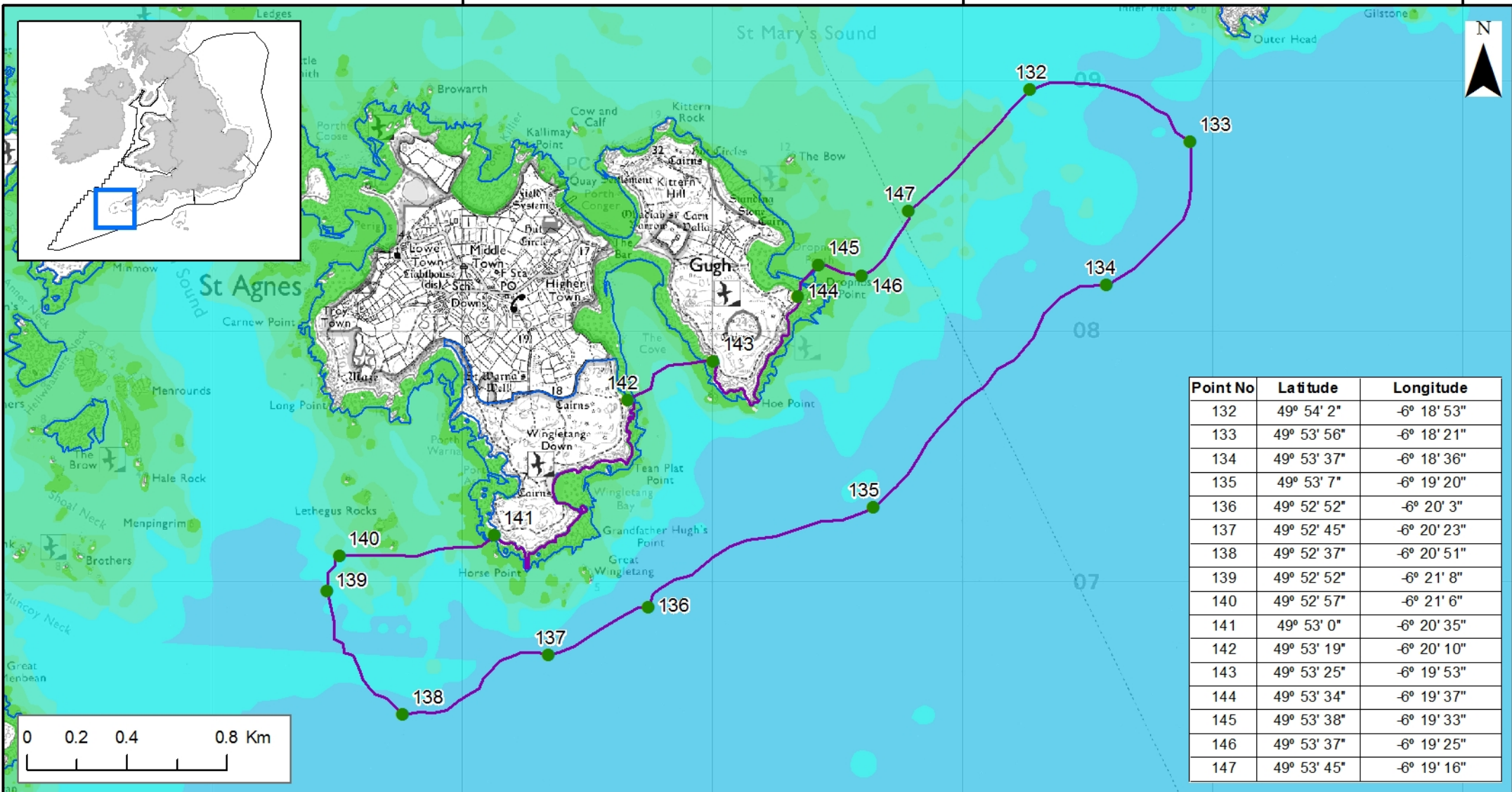
Recommended MCZ

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

Depth Areas (m)

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

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Point No	Latitude	Longitude
132	49° 54' 2"	-6° 18' 53"
133	49° 53' 56"	-6° 18' 21"
134	49° 53' 37"	-6° 18' 36"
135	49° 53' 7"	-6° 19' 20"
136	49° 52' 52"	-6° 20' 3"
137	49° 52' 45"	-6° 20' 23"
138	49° 52' 37"	-6° 20' 51"
139	49° 52' 52"	-6° 21' 8"
140	49° 52' 57"	-6° 21' 6"
141	49° 53' 0"	-6° 20' 35"
142	49° 53' 19"	-6° 20' 10"
143	49° 53' 25"	-6° 19' 53"
144	49° 53' 34"	-6° 19' 37"
145	49° 53' 38"	-6° 19' 33"
146	49° 53' 37"	-6° 19' 25"
147	49° 53' 45"	-6° 19' 16"

Isles of Scilly Sites - Plympton to Spanish Ledge

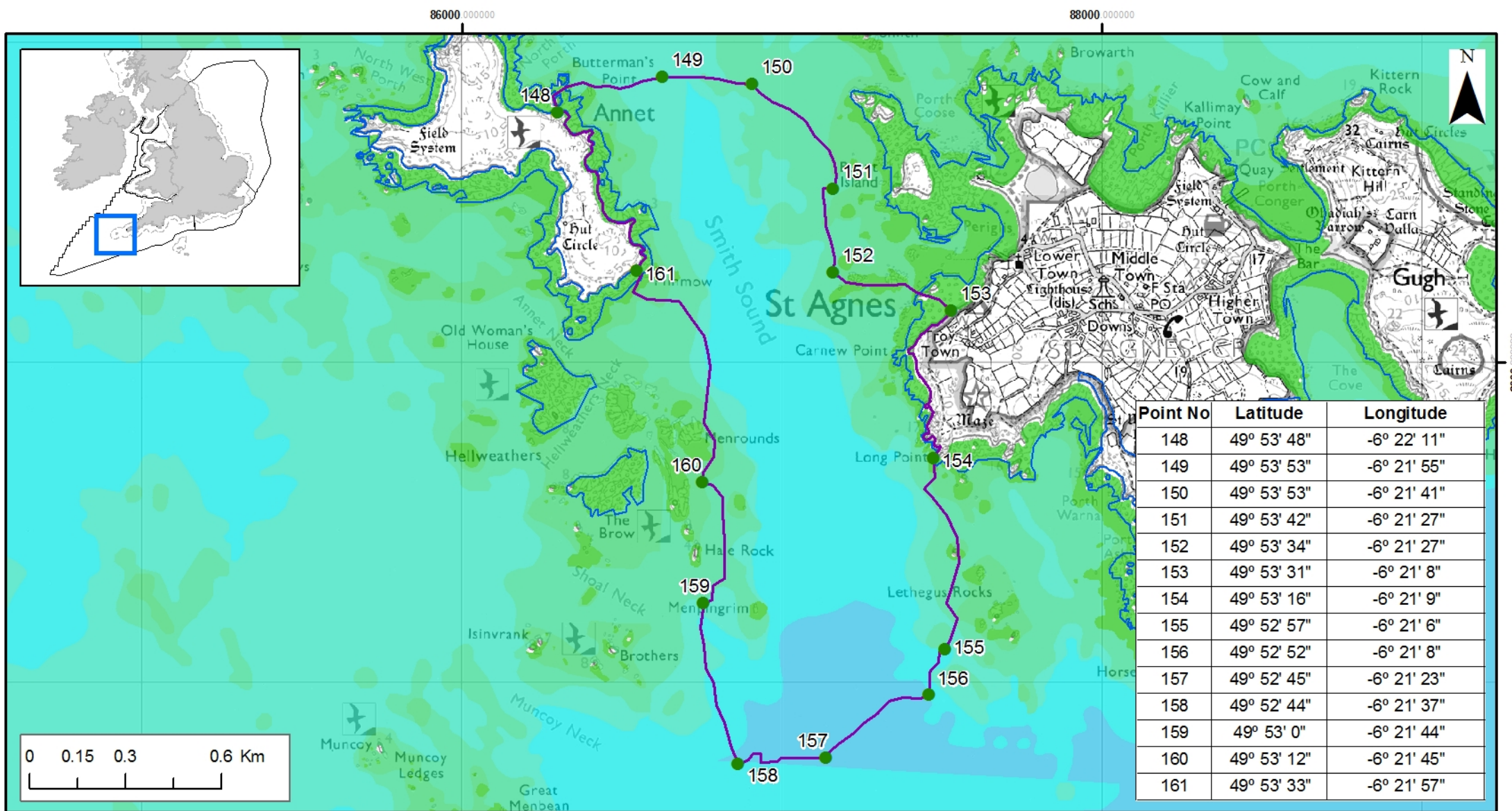
Recommended MCZ

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

Depth Areas (m)

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

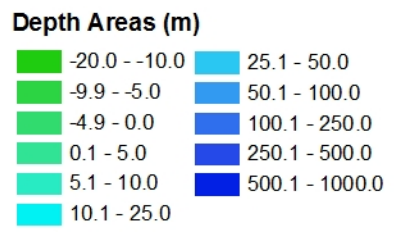
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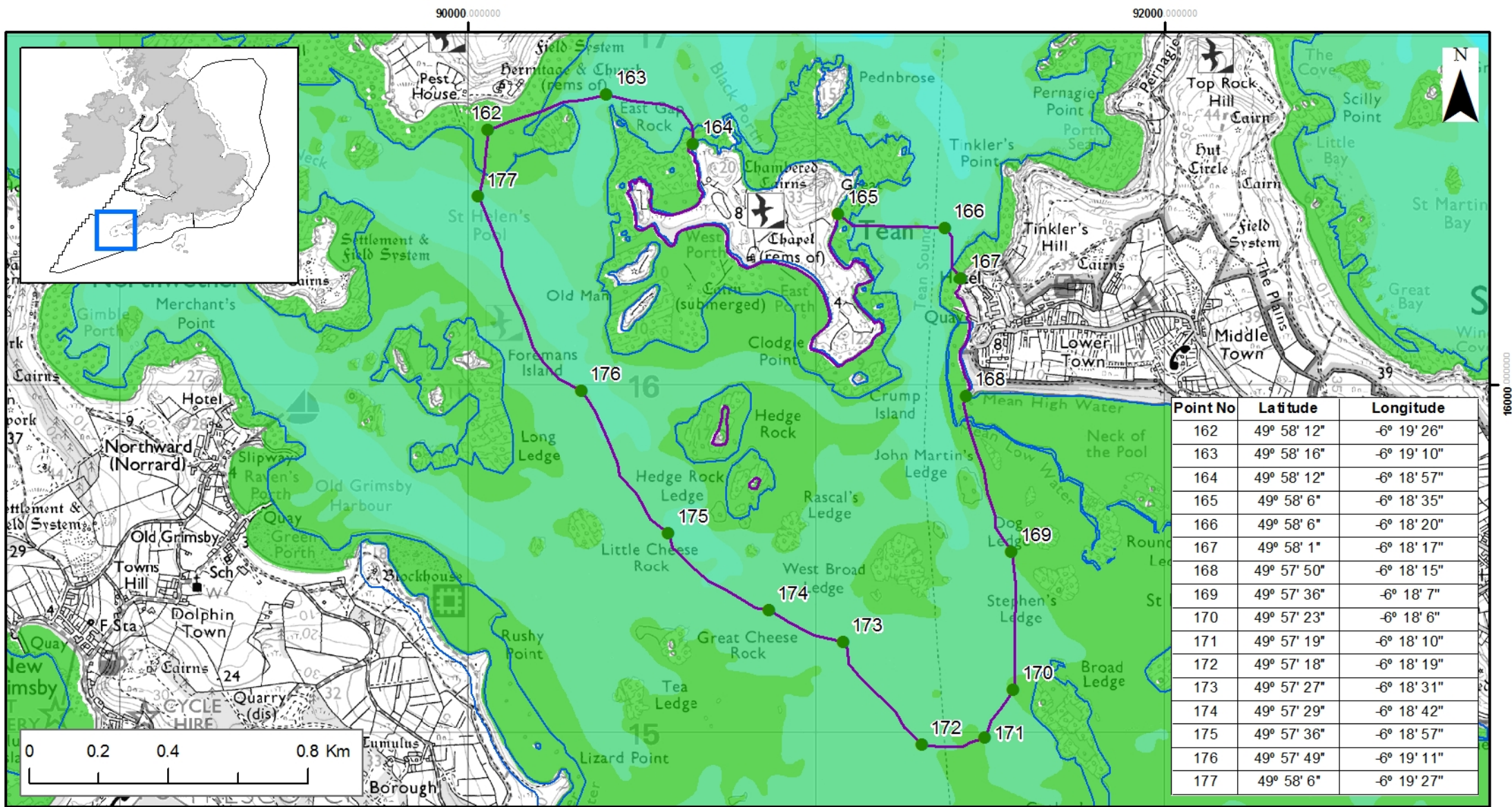
Point No	Latitude	Longitude
148	49° 53' 48"	-6° 22' 11"
149	49° 53' 53"	-6° 21' 55"
150	49° 53' 53"	-6° 21' 41"
151	49° 53' 42"	-6° 21' 27"
152	49° 53' 34"	-6° 21' 27"
153	49° 53' 31"	-6° 21' 8"
154	49° 53' 16"	-6° 21' 9"
155	49° 52' 57"	-6° 21' 6"
156	49° 52' 52"	-6° 21' 8"
157	49° 52' 45"	-6° 21' 23"
158	49° 52' 44"	-6° 21' 37"
159	49° 53' 0"	-6° 21' 44"
160	49° 53' 12"	-6° 21' 45"
161	49° 53' 33"	-6° 21' 57"

Isles of Scilly Sites - Smith Sound Tide Swept Channel
Recommended MCZ

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



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Point No	Latitude	Longitude
162	49° 58' 12"	-6° 19' 26"
163	49° 58' 16"	-6° 19' 10"
164	49° 58' 12"	-6° 18' 57"
165	49° 58' 6"	-6° 18' 35"
166	49° 58' 6"	-6° 18' 20"
167	49° 58' 1"	-6° 18' 17"
168	49° 57' 50"	-6° 18' 15"
169	49° 57' 36"	-6° 18' 7"
170	49° 57' 23"	-6° 18' 6"
171	49° 57' 19"	-6° 18' 10"
172	49° 57' 18"	-6° 18' 19"
173	49° 57' 27"	-6° 18' 31"
174	49° 57' 29"	-6° 18' 42"
175	49° 57' 36"	-6° 18' 57"
176	49° 57' 49"	-6° 19' 11"
177	49° 58' 6"	-6° 19' 27"

Isles of Scilly Sites - Tean

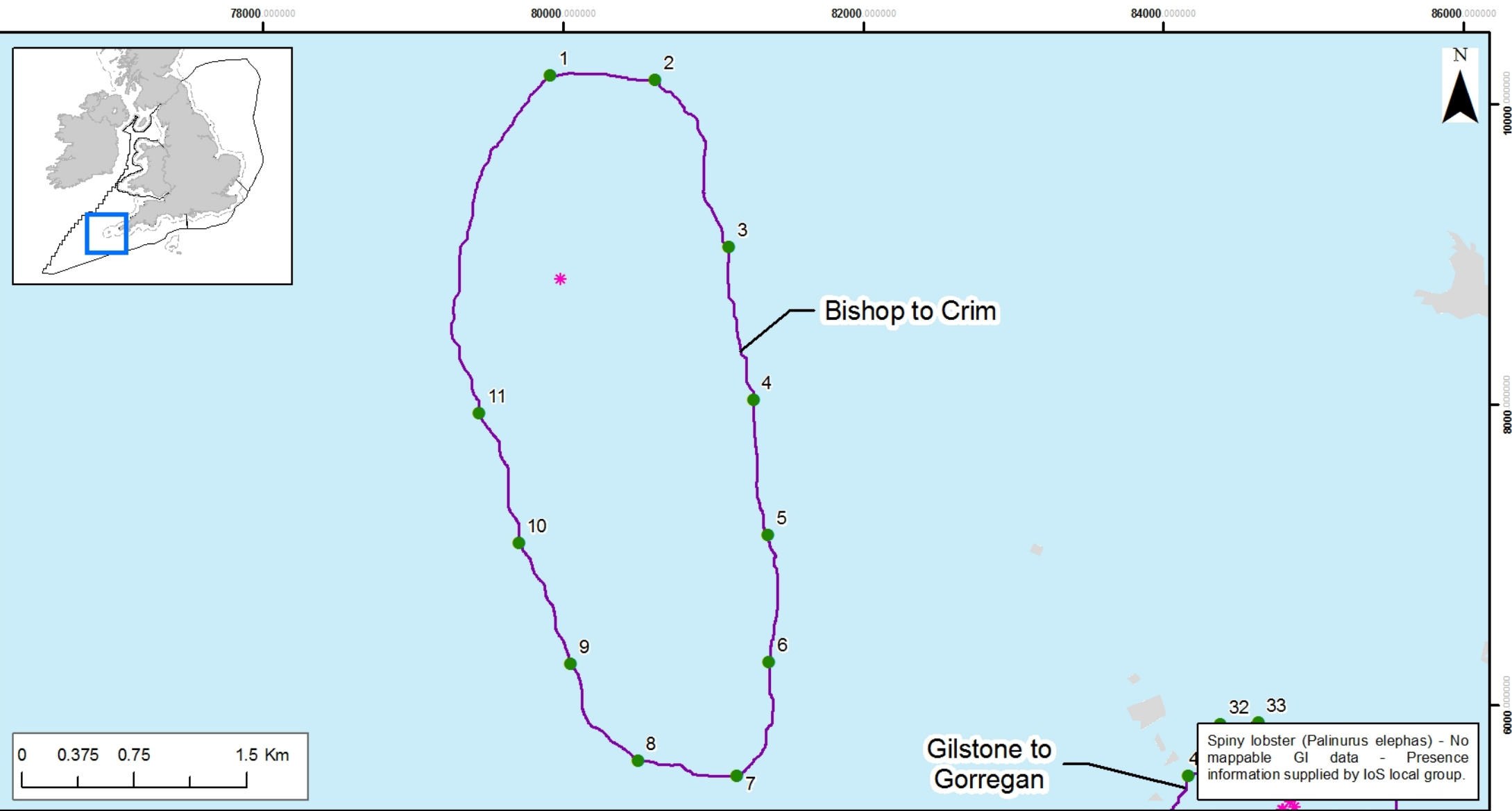
Recommended MCZ

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

Depth Areas (m)

<ul style="list-style-type: none"> -20.0 - -10.0 -9.9 - -5.0 -4.9 - 0.0 0.1 - 5.0 5.1 - 10.0 10.1 - 25.0 	<ul style="list-style-type: none"> 25.1 - 50.0 50.1 - 100.0 100.1 - 250.0 250.1 - 500.0 500.1 - 1000.0
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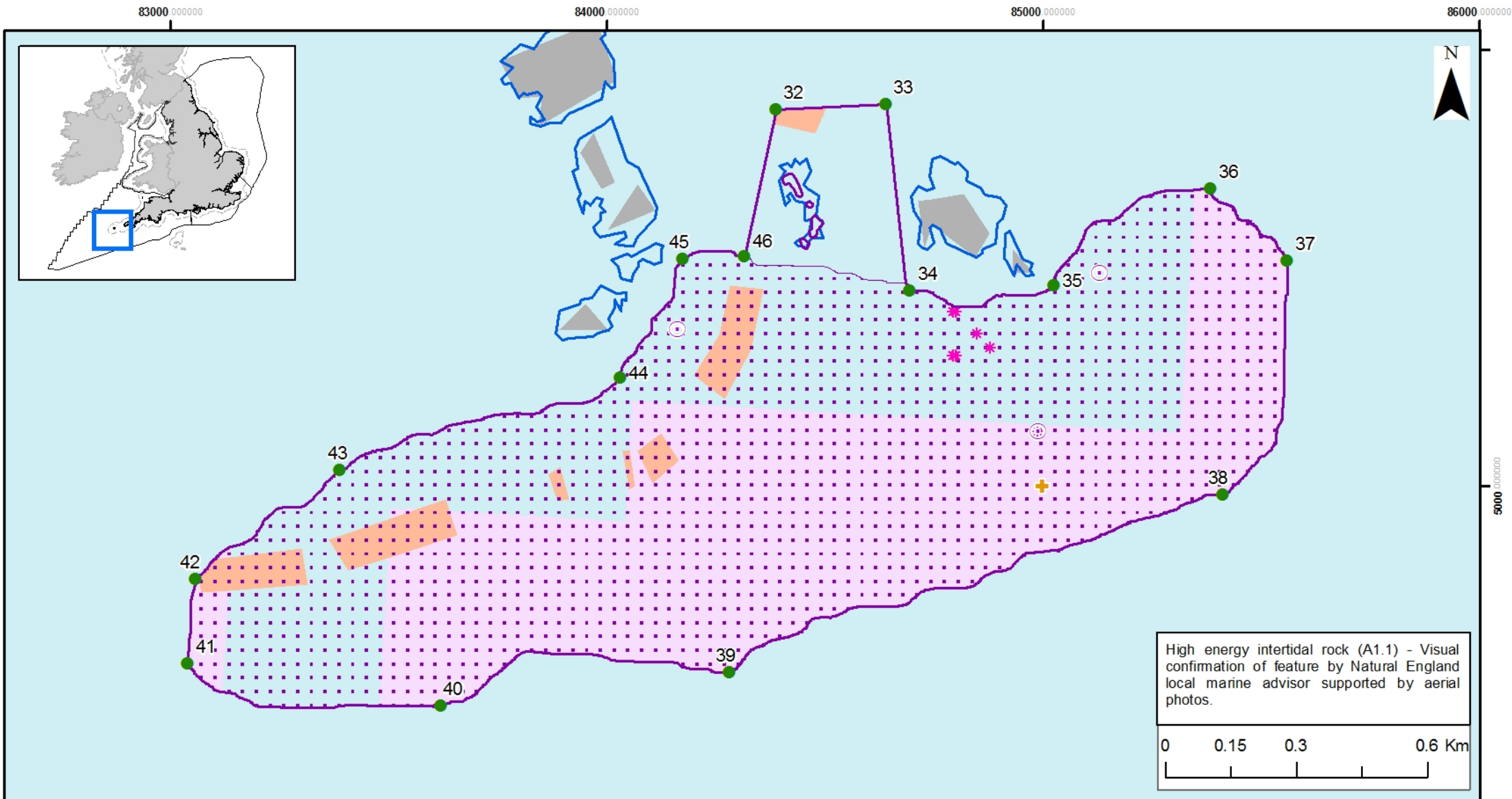
Isles of Scilly Sites - Bishop to Crim
Recommended MCZ

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

Features proposed for 2013 designation

- * Pink sea-fan (*Eunicella verrucosa*)

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Isles of Scilly Sites - Gilstone to Gorregan

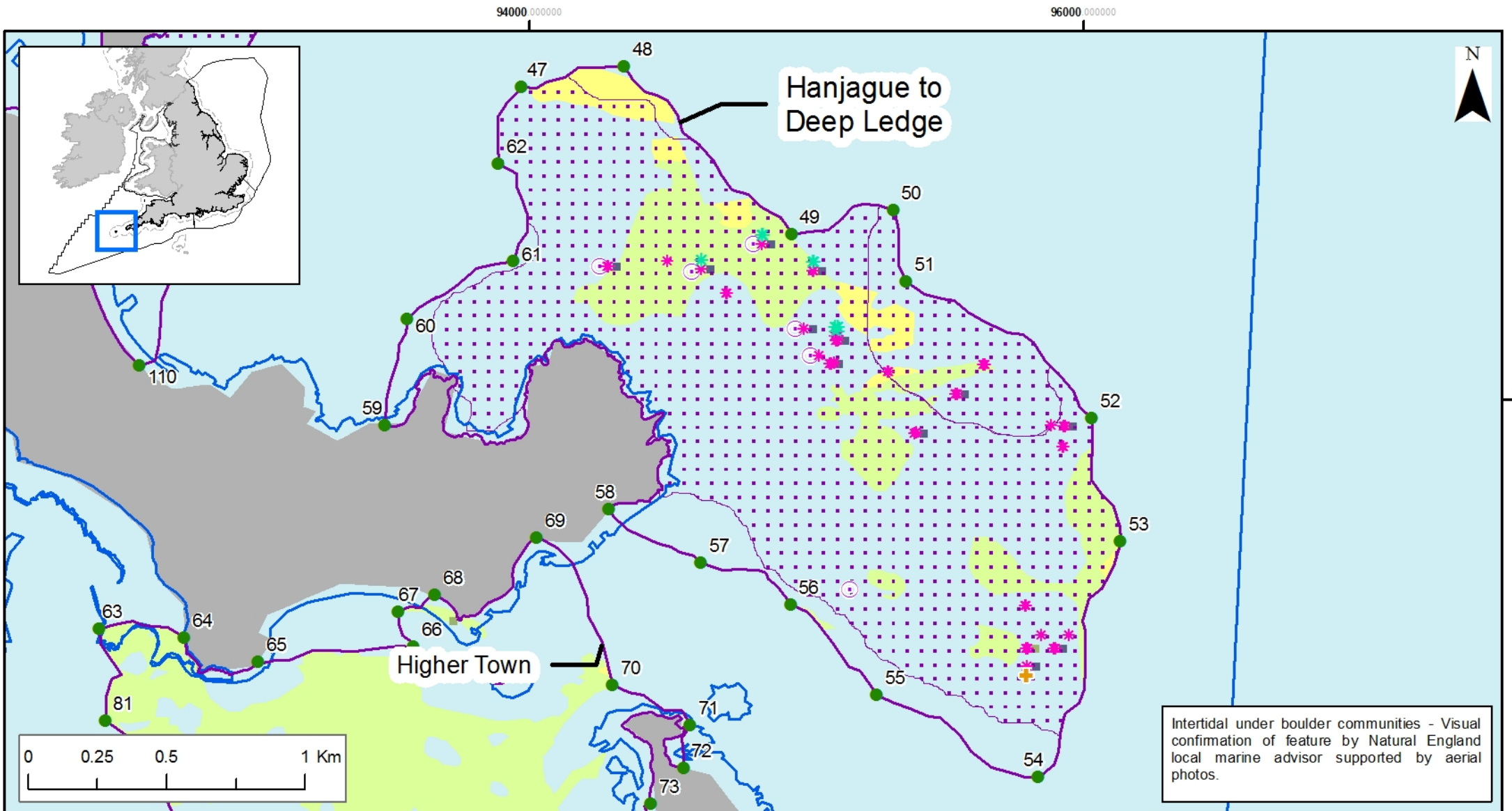
Recommended MCZ

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

Features proposed for 2013 designation

- ⊙ Fragile sponge & anthozoan communities on subtidal rocky habitats
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- + Spiny lobster (*Palinurus elephas*)
- Fragile sponge & anthozoan communities on subtidal rocky habitats
- Moderate energy circalittoral rock (A4.2)
- Subtidal coarse sediment (A5.1)

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Isles of Scilly Sites - Hanjague to Deep Ledge

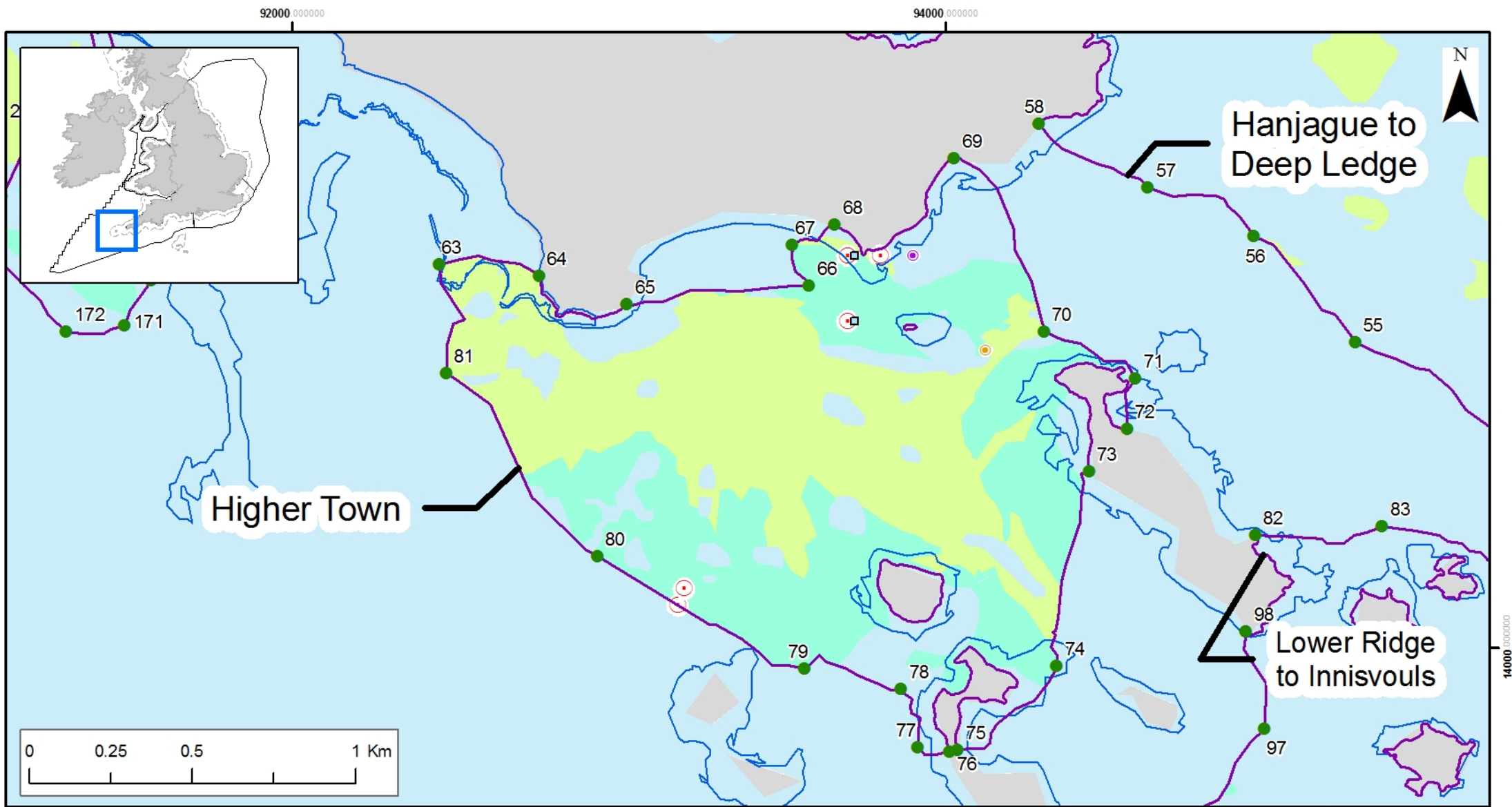
Recommended MCZ

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

Features proposed for 2013 designation

- ✱ Sea-fan anemone (*Amphianthus dohrnii*)
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- + Spiny lobster (*Palinurus elephas*)
- Fragile sponge & anthozoan communities on subtidal rocky habitats
- Fragile sponge & anthozoan communities on subtidal rocky habitats
- High energy circalittoral rock (A4.1)
- High energy infralittoral rock (A3.1)
- Subtidal sand (A5.2)
- Subtidal mixed sediments (A5.4)

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Isles of Scilly Sites - Higher Town

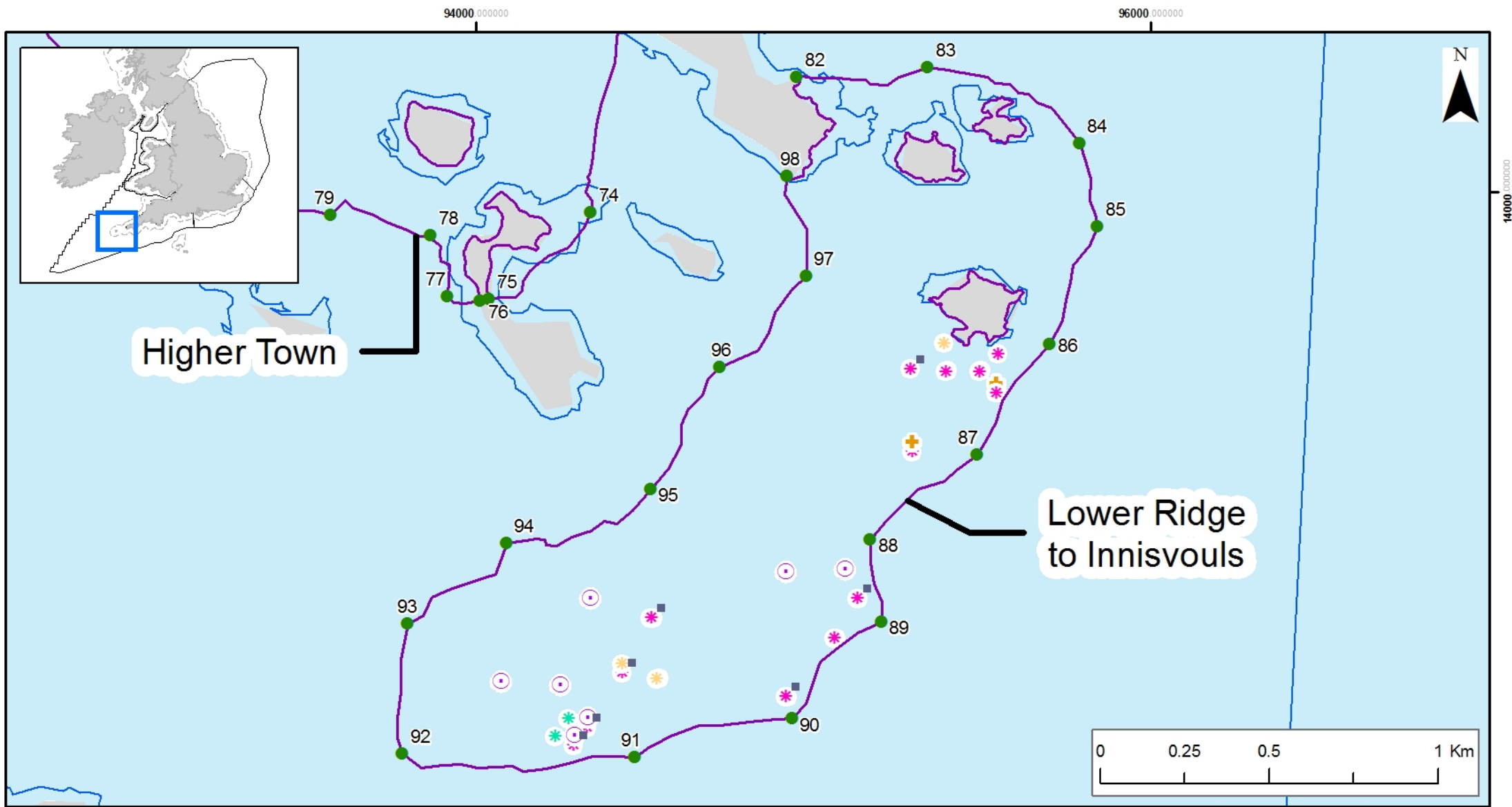
Recommended MCZ

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

Features proposed for 2013 designation

- Subtidal macrophyte-dominated sediment (A5.5)
- Intertidal underboulder communities
- Peat and clay exposures
- Seagrass beds
- Subtidal mixed sediments (A5.4)
- Subtidal macrophyte-dominated sediment (A5.5)

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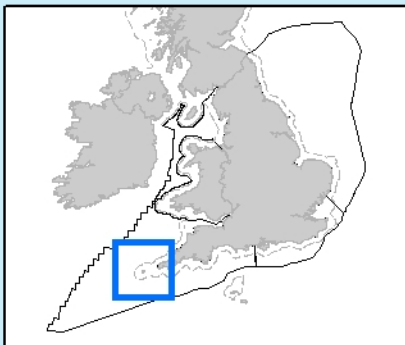
Isles of Scilly Sites - Lower Ridge to Innisvouls
Recommended MCZ

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

Features proposed for 2013 designation

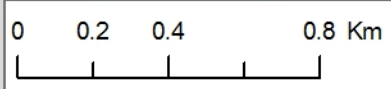
- High energy circalittoral rock (A4.1)
- ⊙ Fragile sponge & anthozoan communities on subtidal rocky habitats
- ✱ Sea-fan anemone (*Amphianthus dohrnii*)
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- ✱ Sunset cup coral (*Leptopsammia pruvoti*)
- + Spiny lobster (*Palinurus elephas*)

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Men a Vaur to
White Island

Tean



Moderate energy intertidal rock (A1.2) - No mappable data for this feature - Visual confirmation of feature by Natural England local marine advisor supported by IoS Wildlife Trust Biotope Mapping Data (Data held by ERCCIS & supplied to Finding Sanctuary).

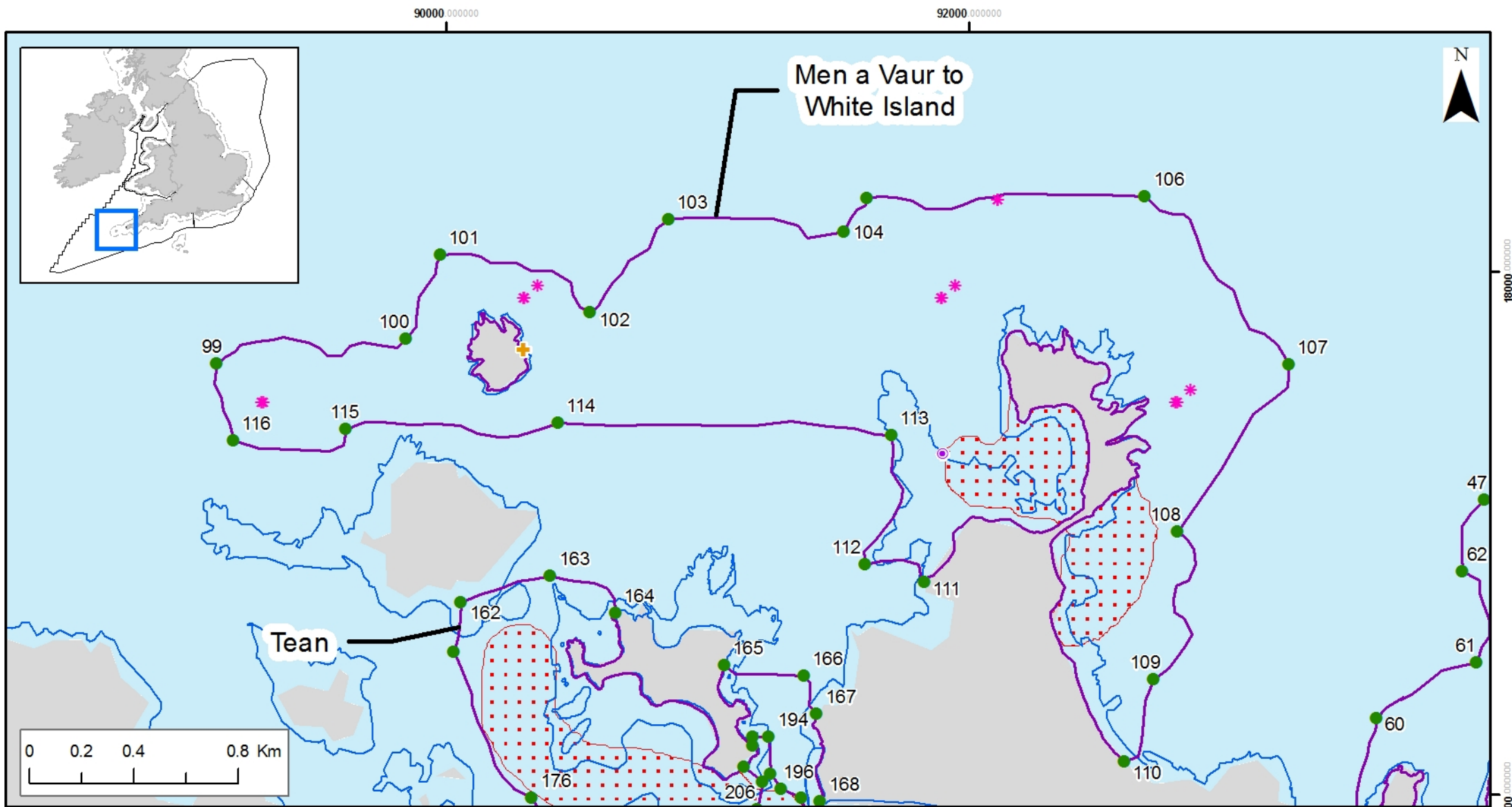
Isles of Scilly Sites - Men a Vaur to White Island
Recommended MCZ Broad Scale Habitats

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

Features proposed for 2013 designation

- High energy infralittoral rock (A3.1)
- High energy intertidal rock (A1.1)
- Intertidal coarse sediment (A2.1)
- Intertidal sand and muddy sand (A2.2)
- High energy infralittoral rock (A3.1)
- Moderate energy circalittoral rock (A4.2)
- Subtidal sand (A5.2)

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Isles of Scilly Sites - Men a Vaur to White Island

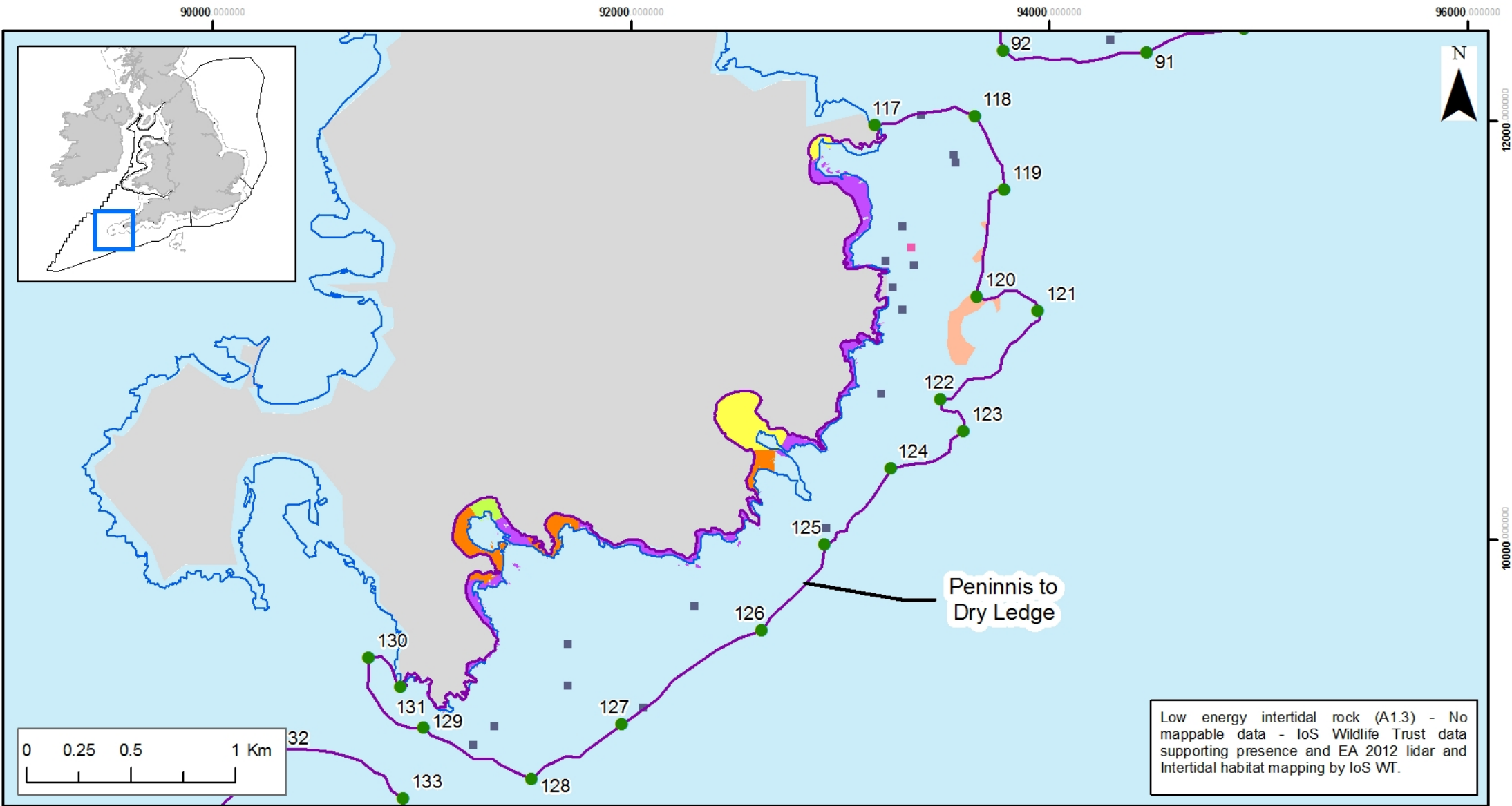
- Recommended MCZ
- Recommended MCZ
 - rMCZ boundary co-ordinates
 - SAC with Marine Components
 - England 12nM Territorial Seas Limit
 - MCZ Regional Projects boundaries
 - Land

Features of Conservation Interest

Features proposed for 2013 designation

- Intertidal underboulder communities
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- + Spiny lobster (*Palinurus elephas*)
- Seagrass beds

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Isles of Scilly Sites - Peninnis to Dry Ledge

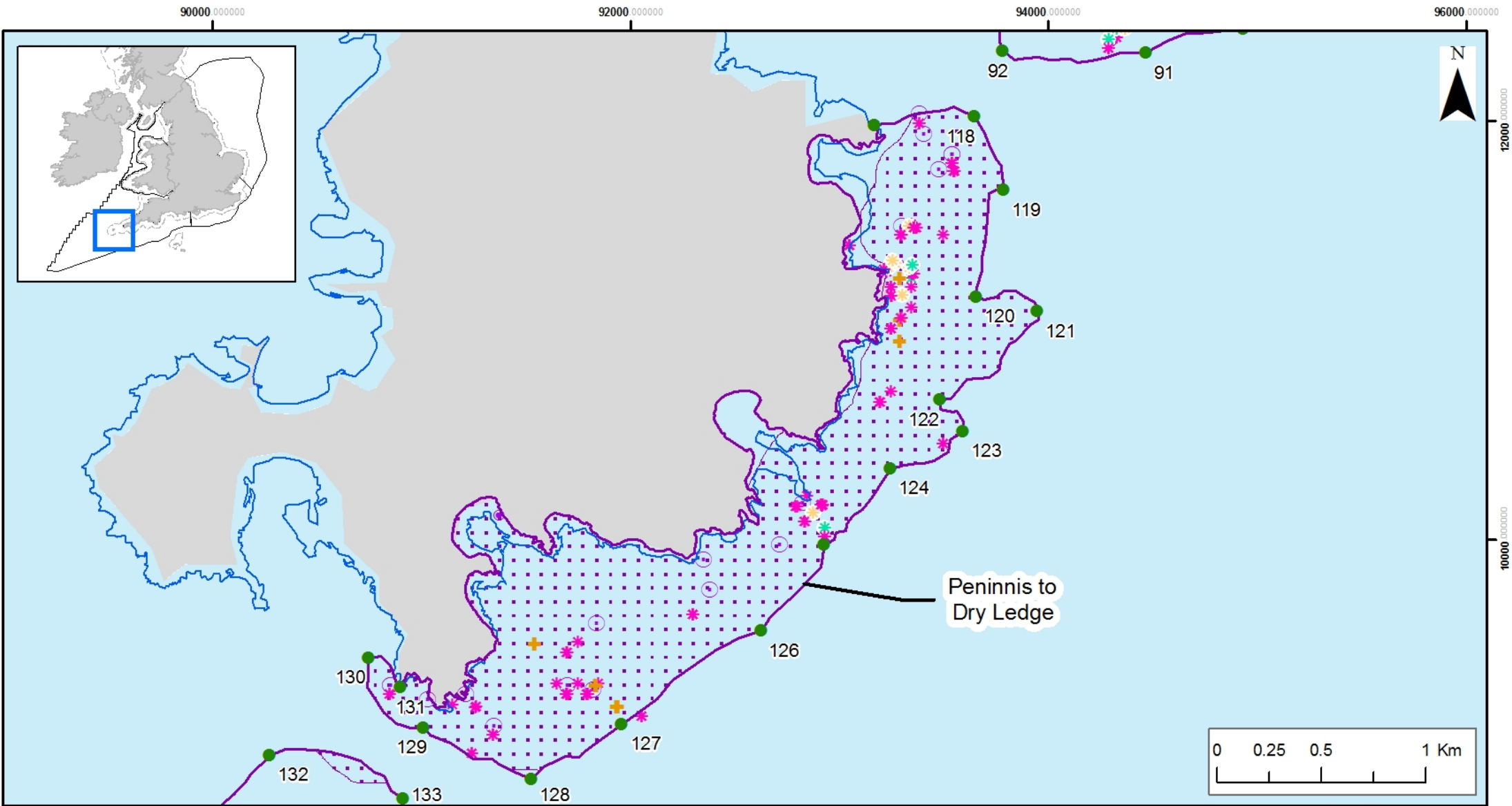
Recommended MCZ

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

Features proposed for 2013 designation

- High energy circalittoral rock (A4.1)
- Subtidal coarse sediment (A5.1)
- Moderate energy intertidal rock (A1.2)
- Intertidal coarse sediment (A2.1)
- Intertidal sand and muddy sand (A2.2)
- Intertidal mixed sediments (A2.4)
- Subtidal coarse sediment (A5.1)

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Isles of Scilly Sites - Peninnis to Dry Ledge

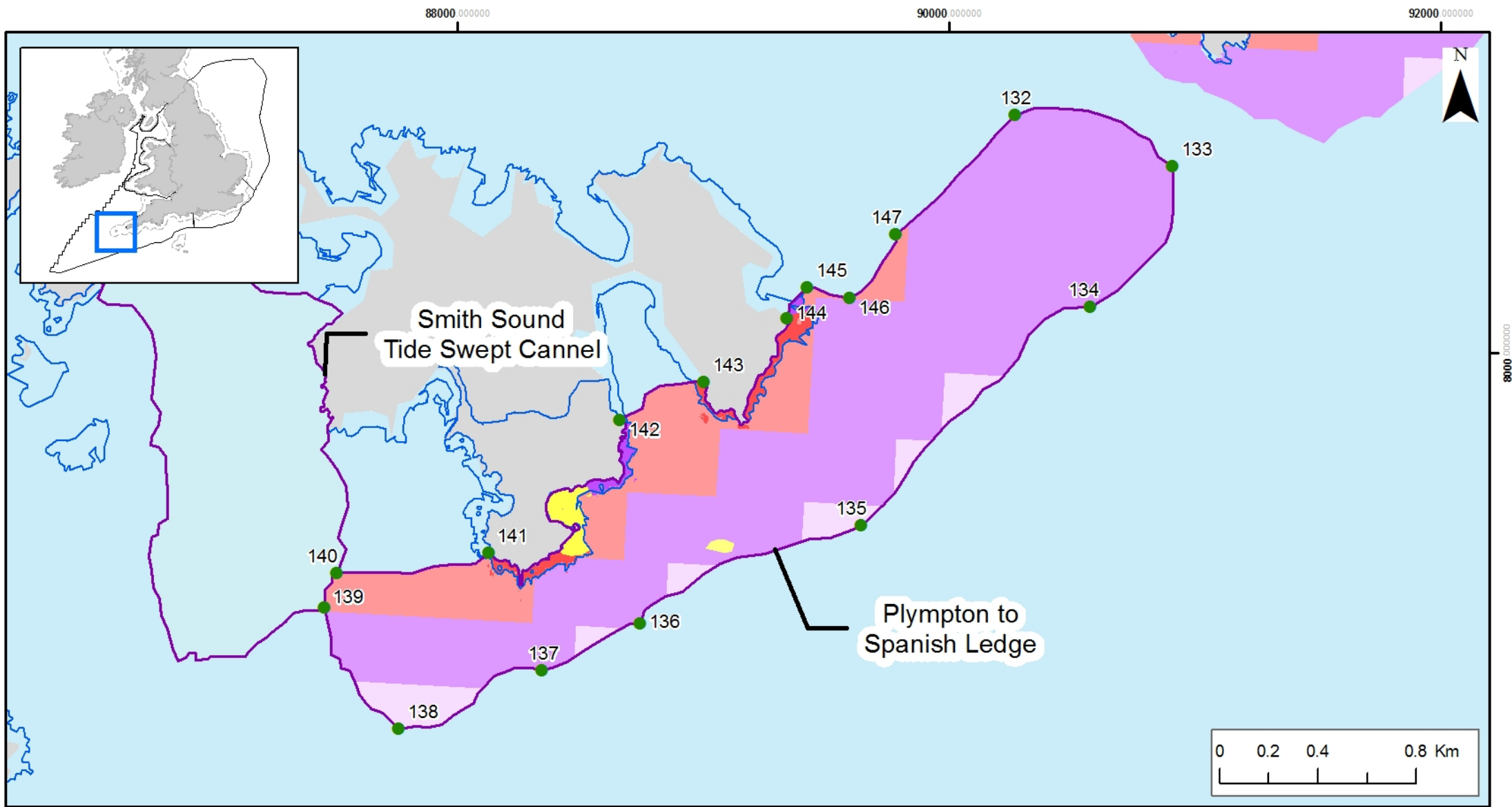
Recommended MCZ Features of Conservation Interest

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

Features proposed for 2013 designation

- ✱ Sea-fan anemone (*Amphianthus dohrnii*)
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- ✱ Sunset cup coral (*Leptopsammia pruvoti*)
- + Spiny lobster (*Palinurus elephas*)
- Fragile sponge & anthozoan communities on subtidal rocky habitats
- Intertidal underboulder communities
- Fragile sponge & anthozoan communities on subtidal rocky habitats

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Isles of Scilly Sites - Plympton to Spanish Ledge
 Recommended MCZ Broad Scale Habitats

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

Features proposed for 2013 designation

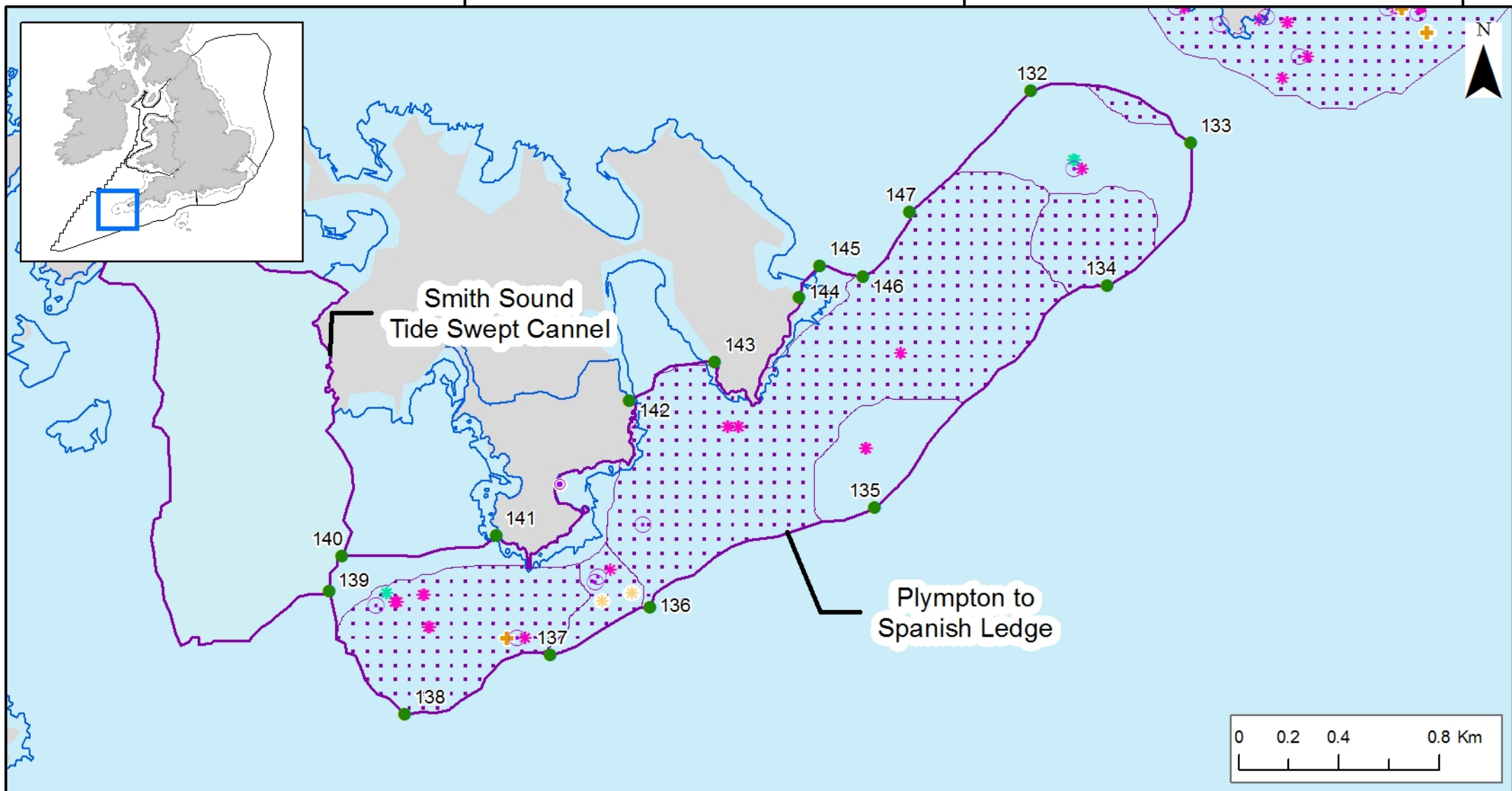
- High energy intertidal rock (A1.1)
- Moderate energy intertidal rock (A1.2)
- Intertidal sand and muddy sand (A2.2)
- High energy infralittoral rock (A3.1)
- Moderate energy infralittoral rock (A3.2)
- Moderate energy circalittoral rock (A4.2)
- Subtidal sand (A5.2)

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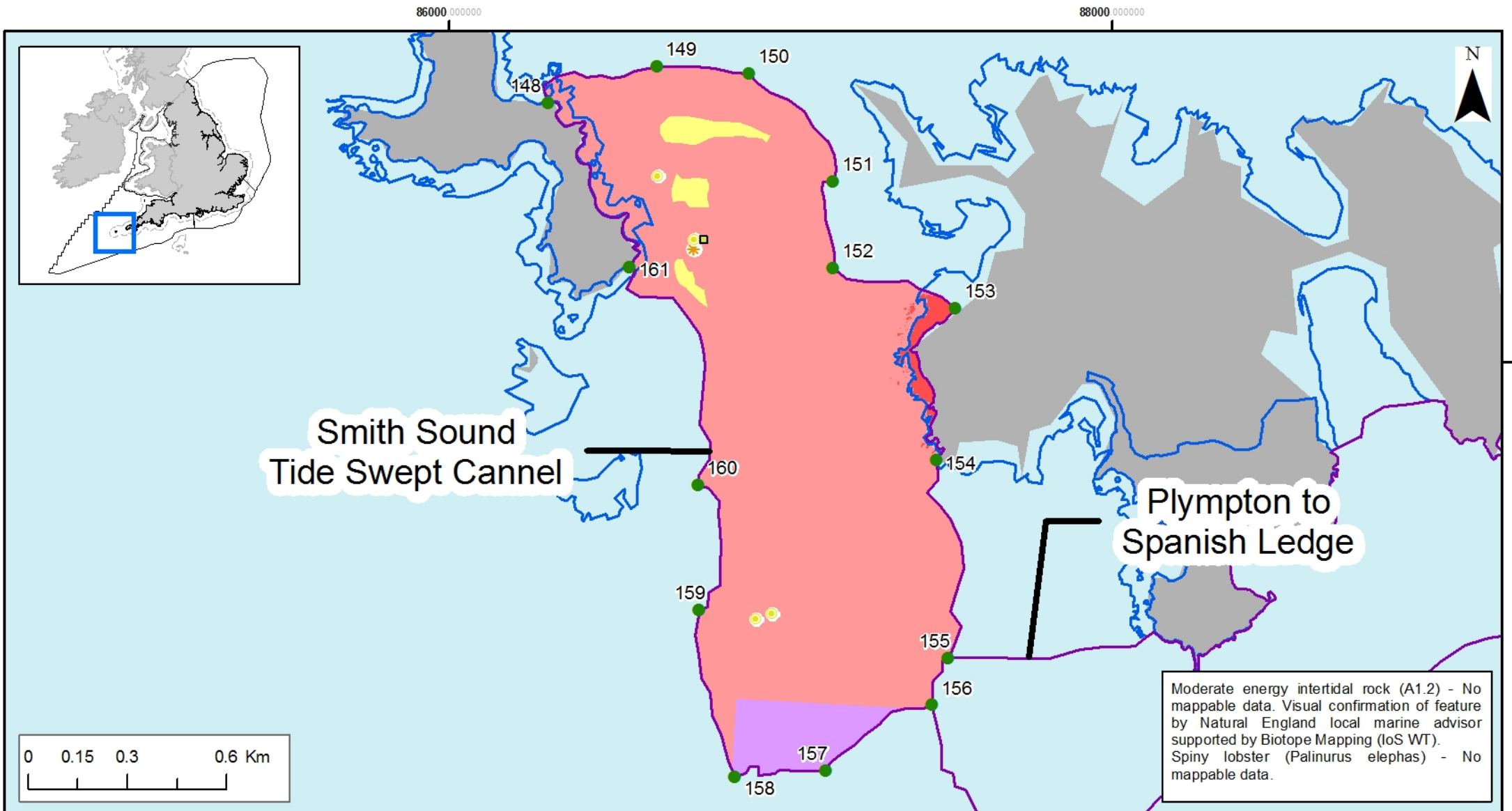
Isles of Scilly Sites - Plymouth to Spanish Ledge Features of conservation interest

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

Features proposed for 2013 designation

- Fragile sponge & anthozoan communities on subtidal rocky habitats
- Intertidal underboulder communities
- ✱ Sea-fan anemone (*Amphianthus dohrmii*)
- ✱ Pink sea-fan (*Eunicella verrucosa*)
- ✱ Sunset cup coral (*Leptopsammia pruvoti*)
- + Spiny lobster (*Palinurus elephas*)
- Fragile sponge & anthozoan communities on subtidal rocky habitats

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Isles of Scilly Sites - Smith Sound Tide Swept Channel
Recommended MCZ

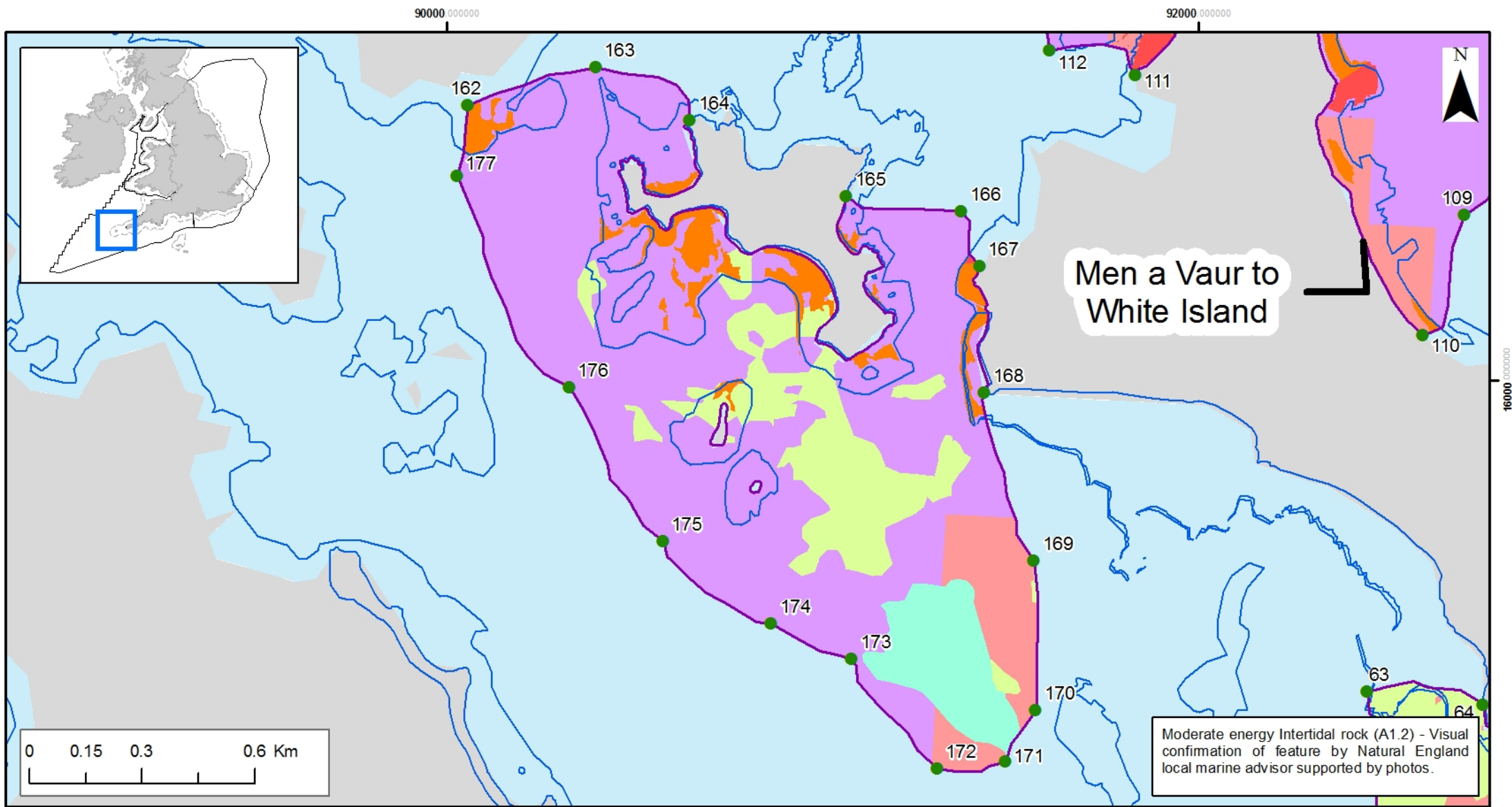
- Recommended MCZ
- rMCZ boundary co-ordinates
- SAC with Marine Components
- England 12nM Territorial Seas Limit
- MCZ Regional Projects boundaries
- Land

Features proposed for 2013 designation

- High energy infralittoral rock (A3.1)
- Tide-swept channels
- ✱ Stalked jellyfish (*Lucernariopsis cruxmelitensis*)
- High energy intertidal rock (A1.1)
- High energy infralittoral rock (A3.1)
- Moderate energy infralittoral rock (A3.2)
- Subtidal sand (A5.2)

Moderate energy intertidal rock (A1.2) - No mappable data. Visual confirmation of feature by Natural England local marine advisor supported by Biotope Mapping (IoS WT).
Spiny lobster (*Palinurus elephas*) - No mappable data.

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Moderate energy Intertidal rock (A1.2) - Visual confirmation of feature by Natural England local marine advisor supported by photos.

Isles of Scilly Sites - Tean

Recommended MCZ

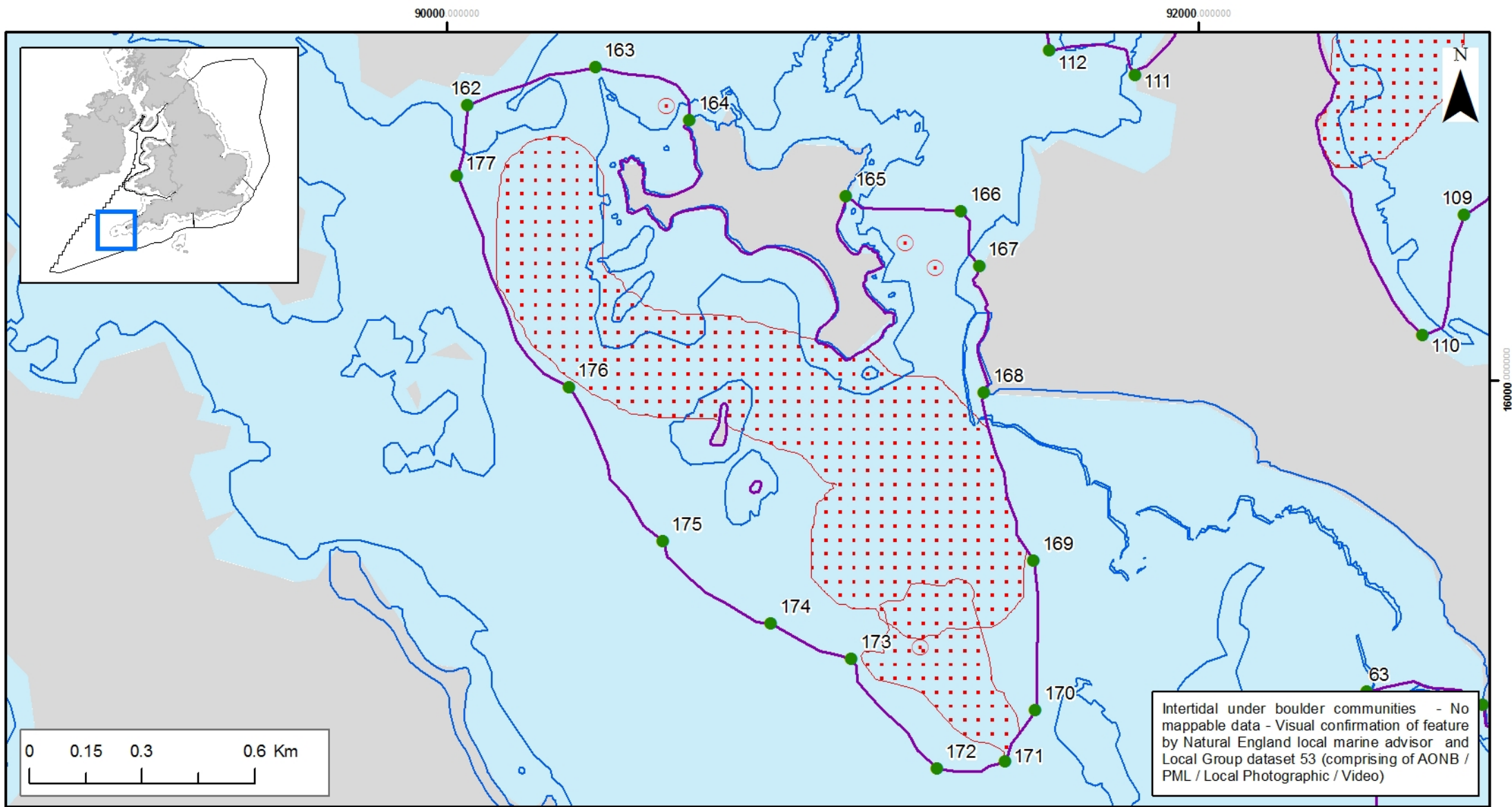
Broad Scale Habitats

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

Features proposed for 2013 designation

- High energy intertidal rock (A1.1)
- Intertidal coarse sediment (A2.1)
- High energy infralittoral rock (A3.1)
- Moderate energy infralittoral rock (A3.2)
- Subtidal mixed sediments (A5.4)
- Subtidal macrophyte-dominated sediment (A5.5)

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Isles of Scilly Sites - Tean

Recommended MCZ

Habitats of Conservation Interest

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

Features proposed for 2013 designation

- Seagrass beds
- Seagrass beds

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Consultation Site Summary: The Manacles

Additional Information for this site can be found in the SNCB Advice (page 941) and Impact Assessment (Annex I2 Option 1 Finding Sanctuary, Page 166) and Regional Project recommendations (FS – 4 page 680).

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

Regional Project: Finding Sanctuary		Site surface area: 4 km ²		Biogeographic Region: Western Channel and Celtic Sea (JNCC regional sea); Region III: Celtic Waters (OSPAR region)	
Site Location: 50.1111 -5.4701 (centre location)					
Inshore/Offshore: Inshore					
Feature type	Feature name	Area/no. of records /	Conservation Objective		
Broad Scale Habitat	Subtidal coarse sediment	1 km ²	Maintain		
Broad Scale Habitat	Subtidal macrophyte-dominated sediment	1 km ²	Recover ¹		
Broad Scale Habitat	Subtidal mixed sediments	0.1 km ²	Maintain		
Broad Scale Habitat	Subtidal sand	1 km ²	Maintain		
Broad Scale Habitat	Moderate energy circalittoral rock	0.2 km ²	Maintain		
Broad Scale Habitat	Moderate energy infralittoral rock	0.2 km ²	Maintain		

Broad Scale Habitat	Intertidal coarse sediment	0.03 km ²	Maintain
Broad Scale Habitat	Intertidal mixed sediments	0.02 km ²	Maintain
Broad Scale Habitat	Intertidal mud	<0.01 km ²	Maintain
Broad Scale Habitat	Intertidal sand and muddy sand	<0.01 km ²	Maintain
Broad Scale Habitat	Moderate energy intertidal rock	0.04km ²	Maintain
Habitat FOCI	Maerl beds	1 km ²	Recover ³
Species FOCI	Sea-fan anemone (<i>Amphianthus dohrnii</i>)	3	Maintain
Species FOCI	Pink sea-fan (<i>Eunicella verrucosa</i>)	58	Maintain
Species FOCI	Stalked jellyfish (<i>Haliclystus auricular</i>)	1	Maintain
Species FOCI	Sunset cup-coral (<i>Leptopsammia pruvoti</i>)	2	Maintain
Species FOCI	Spiny lobster (<i>Palinurus elephas</i>)	2	Recover
Mobile species not listed in ENG	Basking sharks (<i>Cetorhinus maximus</i>)		Maintain
Mobile species not listed in ENG	Harbour porpoise (<i>Phocoena phocoena</i>)		Maintain

³ Following advice from SNCBs, the Conservation Objective for this feature has changed from the original Regional Project recommendation.

Table 2. Sector Impacts and Associated Best Estimate Costs

Sectors Impacted	Best Estimate Costs (£ per year)
Archaeology	Unquantified
Commercial Fishing	<1000
National Defence	Non-Site Specific Cost
Ports, Harbours and Commercial Shipping	<1000
Best Estimate Total Cost = <£1,000	

Table 3. Designation Status of Site and Rationale

Decision	Designate in 2013 tranche
Rationale for Decision:	
Site Advantages	
<p>The Manacles recommended MCZ is a site in the offshore area that covers an area of 4 km². The site is proposed for a range of features, including 11 Broad Scale Habitats, five species FOCl, one habitat FOCl and two mobile species not listed for protection of MCZs in the ENG, to protect high quality reefs and associated species. Local group feedback indicates that this is one of the best examples of Pink sea fan (<i>Eunicella verrucosa</i>) and Sea fan anemone (<i>Amphianthus dohrnii</i>) in the region. It is important for replication targets as the site offers protection to features that are not included in any existing marine protected areas, it also has scientific value as it is well studied. As an area of productive tidal fronts it is of importance for basking sharks and small cetaceans. The site is at risk of damage or disturbance because it contains highly sensitive features and is subject to one or more pressures. The highly sensitive features are Spiny lobster (<i>Palinurus elephas</i>), Subtidal macrophyte dominated sediment, Maerl beds, Pink sea-fan (<i>Eunicella verrucosa</i>) and Stalked jellyfish (<i>Haliclystus auricular</i>).</p>	
Socio-Economics	
<p>The main sector impacted is the commercial fishing sector with a best estimate annual cost of <£1000, there is also potential</p>	

impacts to the ports and harbour sector with a best estimate annual cost of <£1000.

Data Certainty

Within this site existing data suggests that the features Moderate energy intertidal rock, Intertidal coarse sediment, Moderate energy infralittoral rock, Moderate energy circalittoral rock, Subtidal coarse sediment, Subtidal sand, Subtidal mixed sediments, Subtidal macrophyte dominated sediment, Sea-fan anemone (*Amphianthus dohrnii*), Pink sea-fan (*Eunicella verrucosa*), Spiny lobster (*Palinurus elephas*), Maerl beds (as high risk feature) and Stalked jellyfish (*Haliclystus auricular* – as higher risk feature) have acceptable data certainty. The remaining features will require further work prior to their designation.

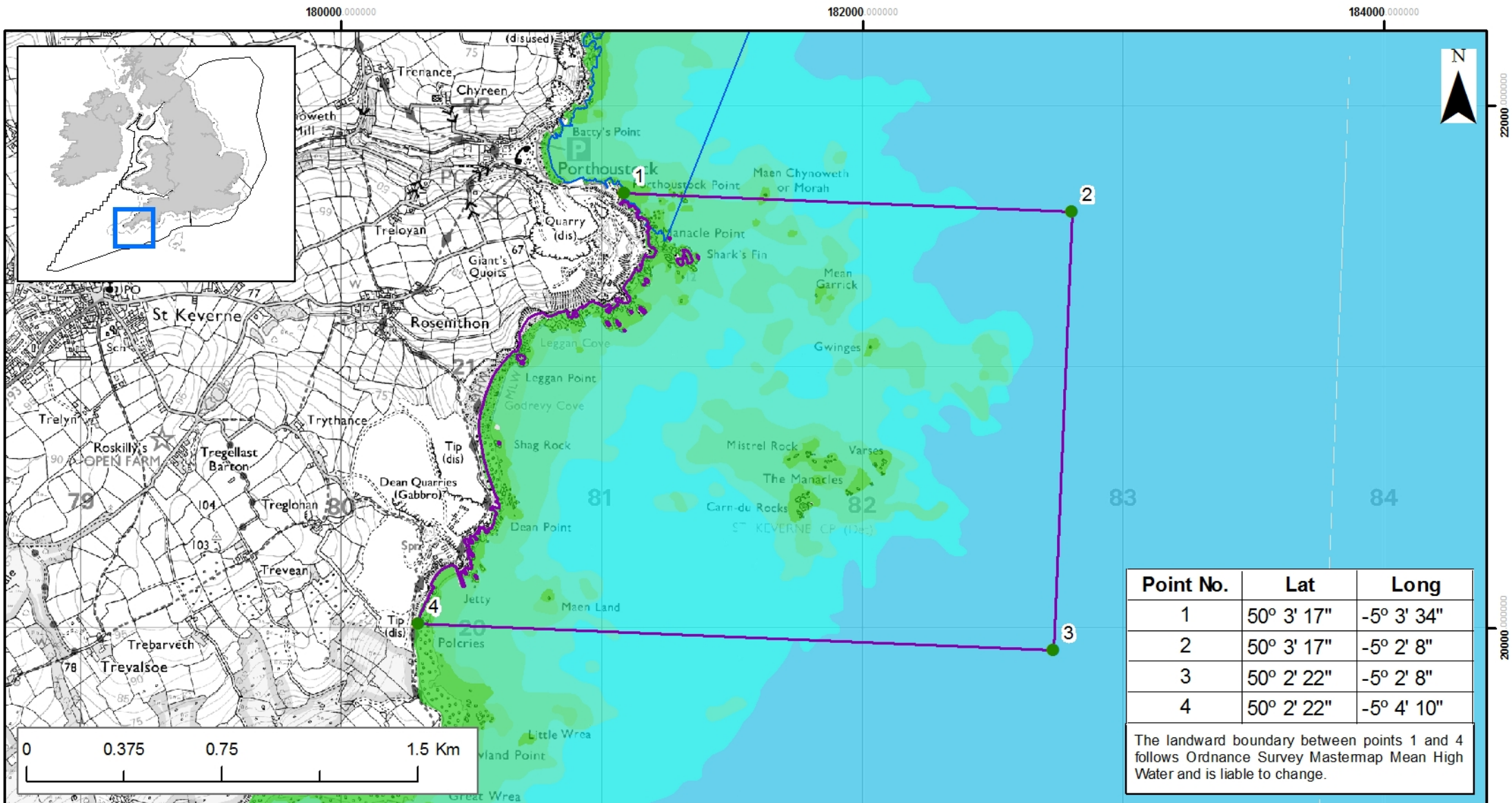
Conclusion

The advantages justify the socio-economic costs, and the SCNBs have highlighted this site at higher risk. This site has been proposed for designation in 2013 for the features 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. For this site the regional project also proposed two non-ENG features, which will 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
Moderate energy intertidal rock	Intertidal mixed sediments
Intertidal coarse sediment	Intertidal mud
Moderate energy infralittoral rock	Intertidal sand and muddy sand
Moderate energy circalittoral rock	Sunset cup-coral (<i>Leptopsammia pruvoti</i>)

Subtidal coarse sediment	
Subtidal sand	
Subtidal mixed sediments	
Subtidal macrophyte dominated sediment	
Sea-fan anemone (<i>Amphianthus dohrnii</i>)	
Pink sea-fan (<i>Eunicella verrucosa</i>)	
Spiny lobster (<i>Palinurus elephas</i>)	
Maerl beds	
Stalked jellyfish (<i>Haliclystus auricular</i>)	



The Manacles

Recommended MCZ

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

Depth Areas (m)

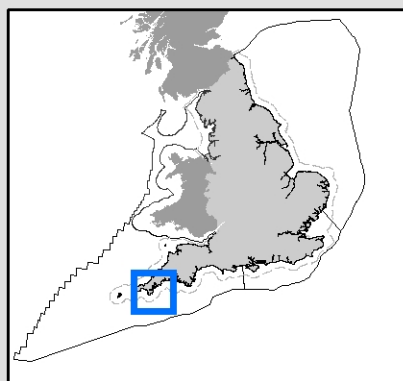
- 20.0 - -10.0
- 9.9 - -5.0
- 4.9 - 0.0
- 0.1 - 5.0
- 5.1 - 10.0
- 10.1 - 25.0
- 25.1 - 50.0
- 50.1 - 100.0
- 100.1 - 250.0
- 250.1 - 500.0
- 500.1 - 1000.0

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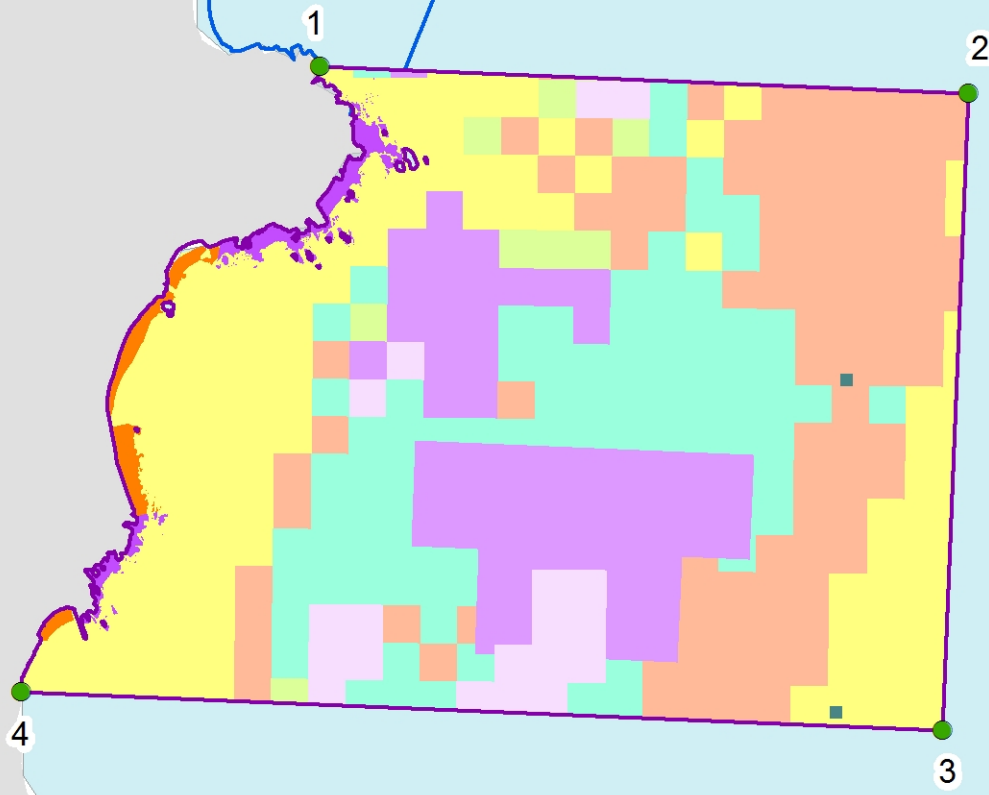
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**The Manacles rMCZ
Broad Scale Habitats**

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

Features proposed for 2013 designation

- Moderate energy infralittoral rock (A3.2)
- Moderate energy intertidal rock (A1.2)
- Intertidal coarse sediment (A2.1)
- Moderate energy infralittoral rock (A3.2)
- Moderate energy circalittoral rock (A4.2)

- Subtidal coarse sediment (A5.1)
- Subtidal sand (A5.2)
- Subtidal mixed sediments (A5.4)
- Subtidal macrophyte-dominated sediment (A5.5)

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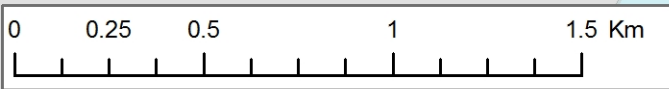
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





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The Manacles rMCZ
Features of Conservation Interest

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

Features proposed for 2013 designation

-  Sea-fan anemone (*Amphianthus dohrnii*)
-  Pink sea-fan (*Eunicella verrucosa*)
-  Stalked jellyfish (*Haliclystus auricula*)
-  Spiny lobster (*Palinurus elephas*)
-  Maerl beds

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