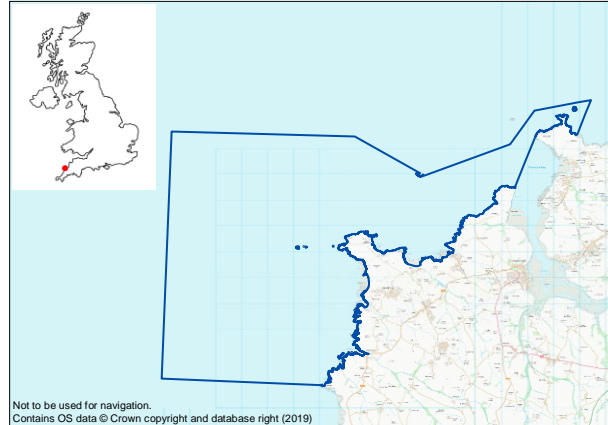


Padstow Bay and Surrounds MCZ

Description:

Padstow Bay and Surrounds Marine Conservation Zone (MCZ), Cornwall extends from Park Head near Trenance to Com Head, just east of Pentire Point and The Rumps. An area of approximately 90 km² is protected. This MCZ covers a range of seabed types including intertidal habitats found on the shoreline to circalittoral habitats at a depth of up to 50 metres. The site protects extensive rocky outcrops and reefs that support rich underwater communities and covers a range of habitats which are known to be rich in seafloor-dwelling species.



Qualifying Features:

Padstow Bay and Surrounds MCZ hosts the following habitats: intertidal coarse sediment, intertidal sand and muddy sand, moderate energy intertidal rock, moderate energy infralittoral rock, high energy intertidal rock, high energy infralittoral rock, high energy circalittoral rock. The site also supports pink sea-fans (*Eunicella verrucosa*) and the spiny lobsters (*Palinurus elephas*).

Management:

None reported.

Stakeholder Concerns:

Stakeholders reported the activities most likely to affect the designated features within the MCZ are motor boating and towed water sports. This was through anchoring and subsequent damaging of the bed.

MPA: Padstow Bay and Surrounds MCZ				No. Stakeholders: 1 online & 3 workshop			
Activity	Frequency	Duration	Participation	Intensity	Confidence	MPA Extent	Trend
Board sports	3	2	6	36	M	1	↑
Geophysical surveys	?	?	?	?	?	?	?
Motor-boating	4	2	4	32	H	1	↑
Jetskis	2	2	3	12	H	1	↑
Paddle sports	1	2	1	2	M	1	→
Parascending	0	0	0	0	M	0	?
Sailing (non-motorised)	3	4	4	48	M	2	↑
SCUBA diving	0	0	0	0	M	0	→
Snorkelling & swimming	2	1	6	12	H	1	↑
Towed Water Sports	1	1	1	1	M	1	?
Wildlife watching on vessel at sea	3	2	1	6	H	2	↑
Bait collection	1	1	1	1	M	1	→
Beach recreation	4	4	6	96	M	2	↑
Coasteering	0	0	0	0	H	0	→
Land boarding	0	0	0	0	M	0	→
Motorsports (quad bikes, motorbikes)	0	0	0	0	M	0	→
Vehicle access (cars on foreshore)	4	4	4	64	M	1	→
Wildlife watching on land	4	2	4	32	M	1	↑
Drone use at coast	?	?	?	?	?	?	?
Gliding (unpowered)	?	?	?	?	?	?	?
Aircraft (powered by engine)	2	1	1	2	L	2	?

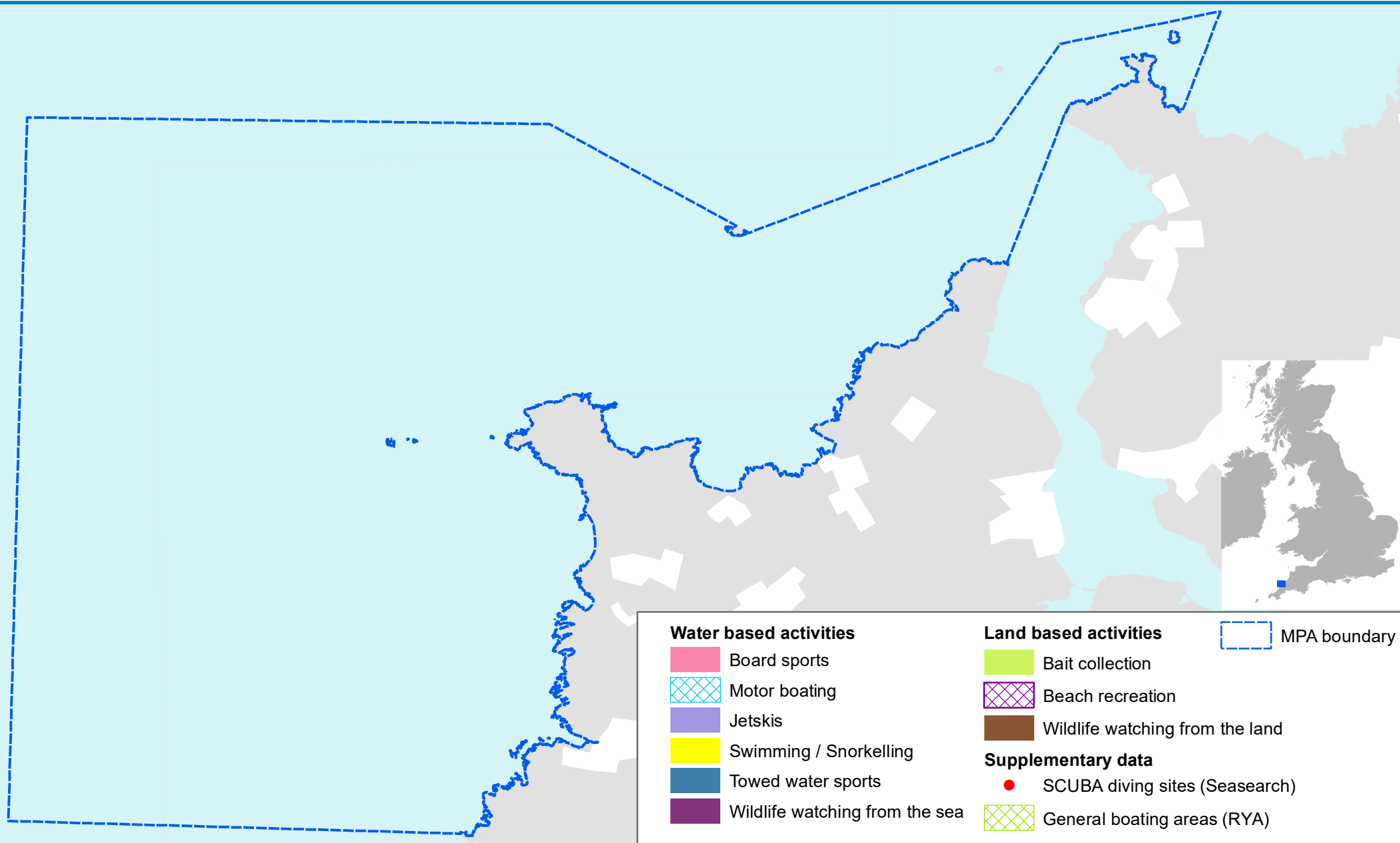
KEY

FREQUENCY	DURATION	PARTICIPATION	INTENSITY	CONFIDENCE	EXTENT	TREND
4 Regular/daily	4 >8 hours	6 >100	45-96 High	H High	2 Whole MPA (solid)	↑ Increase
3 Regular/weekends	3 4-8 hours	5 51-100	24-40 Med-high	M Medium	1 Part of MPA (shaded)	→ Stay the same
2 Seasonally	2 2-4 hours	4 21-50	9-20 Low-med	L Low	0 Does not occur	↓ Decrease
1 Sporadically	1 <2 hours	3 11-20	1-8 Low	? Data missing	? Data missing	? Data missing
0 Does not occur	0 Does not occur	2 6-10	0 Does not occur			
? Data missing	? Data missing	1 1-5	? Data missing			
		0 Does not occur				
		? Data missing				



Non-licensable activities which occur in and around the Padstow Bay and Surrounds MCZ

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Marine Protected Area Designated Features - MCZs

MCZ Species Features of Conservation Importance (Points)

MCZ Feature code

- ★ Tentacled lagoon-worm (*Alkmaria romijni*, SOCI 1)
- ✱ Sea-fan anemone (*Amphianthus dohrnii*, SOCI 2)
- ◆ Ocean quahog (*Arctica islandica*, SOCI 3)
- ★ Lagoon sandworm (*Armandia cirrhosa*, SOCI 4)
- ◆ Fan mussel (*Atrina pectinata*, SOCI 5)
- ◆ Defolin's lagoon snail (*Caecum armoricum*, SOCI 6)
- ♥ Burgundy maerl paint weed (*Cruoria cruoriaeformis*, SOCI 7)
- ✱ Pink sea-fan (*Eunicella verrucosa*, SOCI 8)
- ✱ Lagoon sand shrimp (*Gammarus insensibilis*, SOCI 9)
- ✱ Amphipod shrimp (*Gitanopsis bispinosa*, SOCI 10)
- Giant goby (*Gobius cobitis*, SOCI 11)
- Couch's goby (*Gobius couchi*, SOCI 12)
- ✱ Stalked jellyfish (*Halicystus* sp., SOCI 14)
- Long snouted seahorse (*Hippocampus guttulatus*, SOCI 15)
- Short snouted seahorse (*Hippocampus hippocampus*, SOCI 16)
- ✱ Sunset cup coral (*Leptopsammia pruvoti*, SOCI 17)
- ♥ Coral maerl (*Lithothamnion corallioides*, SOCI 18)
- ✱ Stalked jellyfish (*Lucernariopsis cruxmelitensis*, SOCI 19)
- ✱ Stalked jellyfish (*Lucernariopsis campanulata*, SOCI 20)
- ✱ Starlet sea anemone (*Nematostella vectensis*, SOCI 21)
- ♥ Peacock's tail (*Padina pavonica*, SOCI 23)
- ✱ Spiny lobster (*Palinurus elephas*, SOCI 24)
- ◆ Sea snail (*Paludinella littorina*, SOCI 25)
- ♥ Common maerl (*Phymatolithon calcareum*, SOCI 26)
- ✱ Gooseneck barnacle (*Pollicipes pollicipes*, SOCI 27)
- ◆ Lagoon sea slug (*Tenellia adspersa*, SOCI 28)
- ✱ Trembling sea mat (*Victorella pavida*, SOCI 29)
- ♥ Grateloup's little-lobed weed (*Grateloupia montagnei*, SOCI 30)
- ♥ European eel (*Anguilla anguilla*, SOCI 31)
- ♥ Smelt (*Osmerus eperlanusi*, SOCI 32)
- ♥ Undulate ray (*Raja undulata*, SOCI 33)
- ✱ Black seabream (*Spondyliosoma cantharus*, non ENG 1)

MCZ Habitat Features of Conservation Importance (Points)

MCZ Feature code

- ⊕ Blue Mussel Beds (HOCI 1)
- ⊖ Cold-water coral reefs (HOCI 2)
- ⊙ Estuarine rocky habitats (HOCI 5)
- ⊖ Fragile sponge and anthozoan communities on subtidal rocky habitats (HOCI 7)
- ⊙ Honeycomb worm (*Sabellaria alveolata*) reefs (HOCI 8)
- ⊕ Horse mussel (*Modiolus modiolus*) reefs (HOCI 9)
- ⊙ Intertidal under boulder communities (HOCI 10)
- ⊙ Littoral chalk communities (HOCI 11)
- ⊕ Maerl beds (HOCI 12)
- ⊙ Mud habitats in deep water (HOCI 13)
- ⊙ Native oyster beds DO NOT PUBLISH EXTERNALLY
- ⊙ Peat and clay exposures (HOCI 15)
- ⊙ Ross worm (*Sabellaria spinulosa*) reefs (HOCI 16)
- ⊙ Seagrass beds (HOCI 17)
- ⊙ Sea pens and burrowing megafauna (HOCI 18)
- ⊙ Sheltered muddy gravels (HOCI 19)
- ⊙ Subtidal chalk (HOCI 20)
- ⊙ Subtidal sands and gravels (HOCI 21)
- ⊙ Tide-swept channels (HOCI 22)

MCZ Habitat Features of Conservation Importance (Polygons)

MCZ Feature code

- Blue Mussel Beds (HOCI 1)
- Cold-water coral reefs (HOCI 2)
- Estuarine rocky habitats (HOCI 5)
- File shell beds (HOCI 6)
- Fragile sponge and anthozoan communities on subtidal rocky habitats (HOCI 7)
- Honeycomb worm (*Sabellaria alveolata*) reefs (HOCI 8)
- Horse mussel (*Modiolus modiolus*) reefs (HOCI 9)
- Intertidal under boulder communities (HOCI 10)
- Littoral chalk communities (HOCI 11)
- Maerl beds (HOCI 12)
- Mud habitats in deep water (HOCI 13)
- Native oyster beds (*Ostrea edulis*) (HOCI 14) DO NOT PUBLISH EXTERNALLY
- Peat and clay exposures (HOCI 15)
- Ross worm (*Sabellaria spinulosa*) reefs (HOCI 16)
- Seagrass beds (HOCI 17)
- Sea pens and burrowing megafauna (HOCI 18)
- Sheltered muddy gravels (HOCI 19)
- Subtidal chalk (HOCI 20)
- Subtidal sands and gravels (HOCI 21)
- Tide-swept channels (HOCI 22)
- Black seabream (*Spondyliosoma cantharus*) nesting areas (non_ENG_1)

MCZ Broadscale Habitat (Polygons)

MCZ_Eunis_L3

- High energy intertidal rock (A1.1)
- High/Moderate energy intertidal rock (A1.1/A1.2)
- Moderate energy intertidal rock (A1.2)
- Low energy intertidal rock (A1.3)
- Intertidal coarse sediment (A2.1)
- Intertidal sand and muddy sand (A2.2)
- Intertidal sand and muddy sand/Intertidal mud (A2.2/A2.3)
- Intertidal mud (A2.3)
- Intertidal mixed sediments (A2.4)
- Coastal saltmarshes and saline reedbeds (A2.5)
- Intertidal sediments dominated by aquatic angiosperms (A2.6)
- Intertidal biogenic reefs (A2.7)
- High energy infralittoral rock (A3.1)
- Moderate energy infralittoral rock (A3.2)
- Moderate energy infralittoral/circalittoral rock (A3.2/A4.2)
- Low energy infralittoral rock (A3.3)
- High energy circalittoral rock (A4.1)
- High/moderate energy circalittoral rock (A4.1/A4.2)
- Moderate energy circalittoral rock (A4.2)
- Low energy circalittoral rock (A4.3)
- Subtidal coarse sediment (A5.1)
- Subtidal sand (A5.2)
- Subtidal mud (A5.3)
- Subtidal mixed sediments (A5.4)
- Subtidal macrophyte-dominated sediment (A5.5)
- Subtidal biogenic reefs (A5.6)
- Infralittoral rock and thin sandy sediment (A3.A2, non ENG 20)
- Infralittoral rock and thin mixed sediment (A3.94, non ENG 21)
- Infralittoral muddy sand (A5.24, non ENG 23)
- Infralittoral sandy mud (A5.33, non ENG 24)