

SEASEARCH – South-West diver record highlights 2016

Charlotte Bolton

National Seasearch Coordinator for UK/Ireland

Marine Conservation Society



The background of the slide is an underwater photograph. In the upper left, a diver in full gear is swimming. In the foreground, there is a large, vibrant orange coral structure. The water is a deep teal color.

About Seasearch 2016 Species Highlights in the South West Collaborative working in South West MPAs

About Seasearch



- Seasearch developed from collaboration between the Marine Conservation Society (MCS) and Nature Conservancy Council (NCC) in 1980s
- Re-launched in 2003 as a partnership between MCS, County Wildlife Trusts, SNCBs, diving organisations and others

- The Seasearch

- Data from
- 550,000
- 62,000
- Additional

- Data goes to

- Statutory Nature Conservation Bodies (JNCC, NE, SNH, NRW, DOENI, IOM)
- National and local biodiversity records centres
- Species data is freely available through the National Biodiversity Network (NBN)



About Seasearch



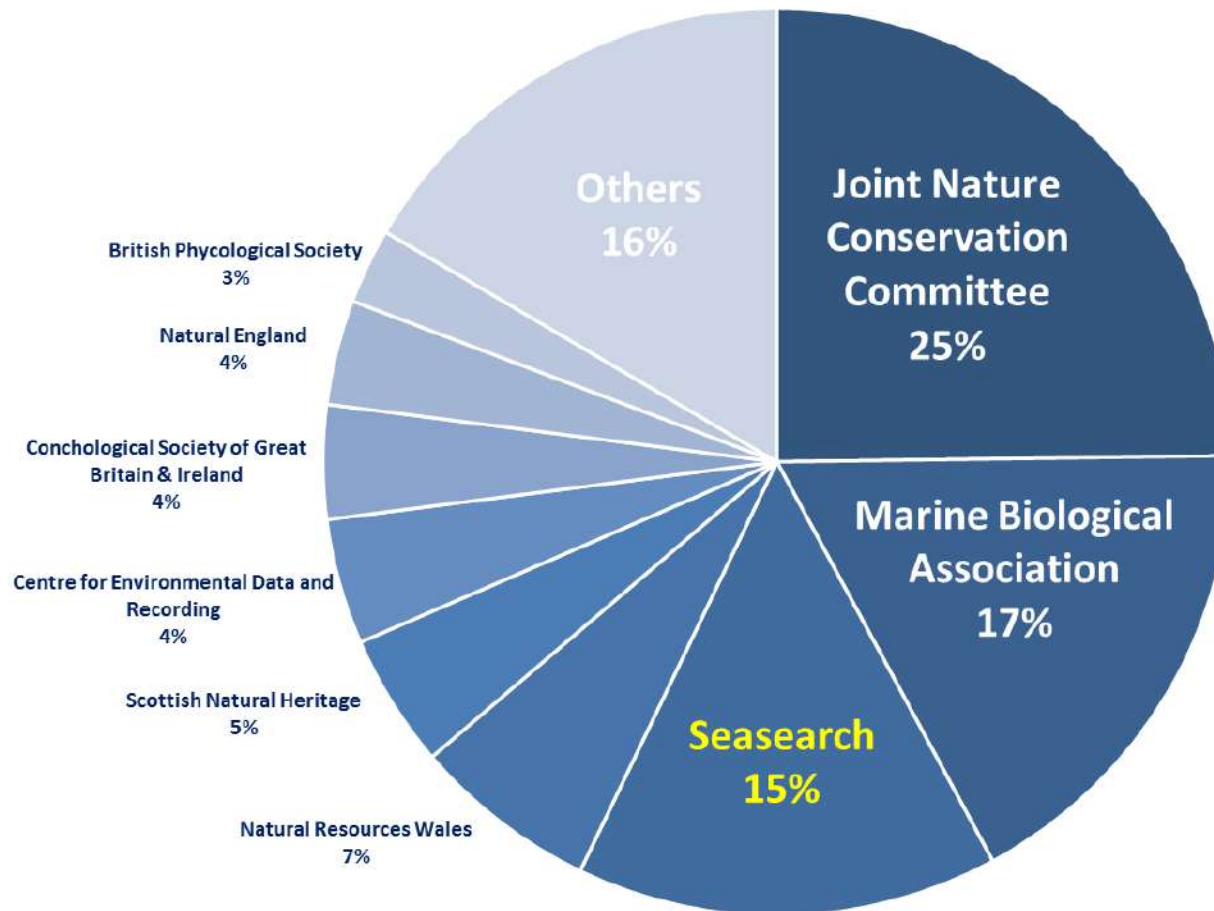
Seasearch data is collected by volunteers



About Seasearch



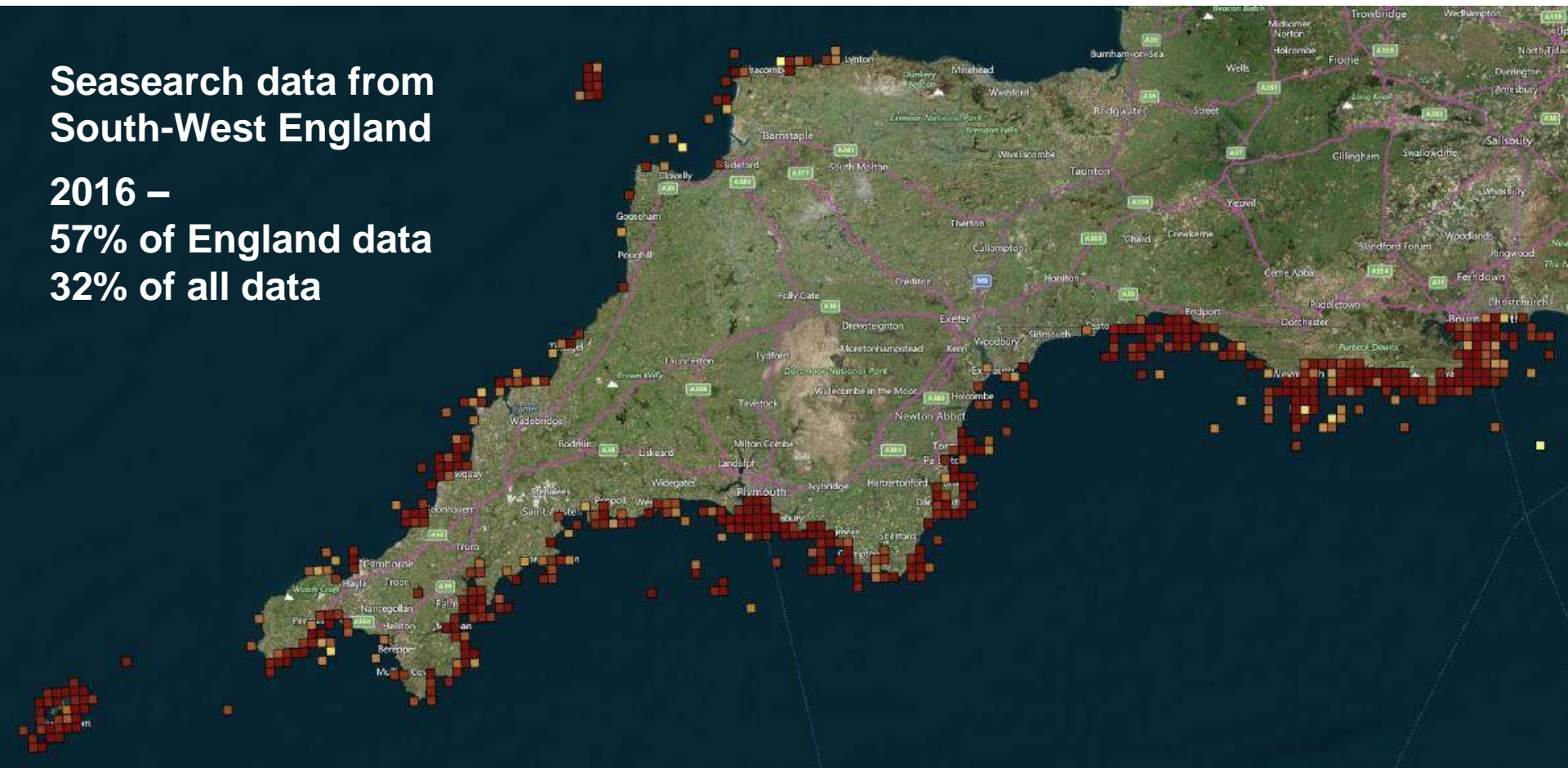
Sources of Marine Species Records on the NBN Gateway



About Seasearch



**Seasearch data from
South-West England
2016 –
57% of England data
32% of all data**



Seasearch and MPAs



Seasearch Data has helped in the designation of MPAs

- 2009 SAC Reef designations in the South-West drew on Seasearch data
- Finding Sanctuary work drew on Seasearch data for inshore sites
- Seasearch Reports prior to first tranche designations 2013
- Seasearch data, photos and reports prior to second tranche MCZ designations 2016



Hartland Point to Tintagel rMCZ – Seasearch surveys 2014

Seasearch surveys were carried out on 20th September 2014 by members of Appledore Sub Aqua Club to add habitat and data to existing information for this rMCZ. The area surveyed was on the west facing coast south of Hartland Point opposite Knap Head, and about 1.5km offshore. One site was called Knap Head and the other, Welcombe Reef after the nearest village. These sites were dived of which Seasearch records were obtained from the two rock sites, which were similar.

Habitats Recorded:

Circumferential Bedrock – gently sloping rock 12-14m BCD with gullies up to 4m deep. Extensive fissures in the rock. Upper surfaces with short red algal turf, vertical surfaces dominated by encrusting sponges with jewel anemones and a stony short hydroid turf. (Photos below)



Species recorded: A full list of species recorded is in the Marine Recorder survey data. Species of particular interest were as follows:
Patellanus albugineus, newfish, 100% species recorded at both sites, photos supplied (right)

Eumetaria vermicosa, glass sea fan: 100% species recorded at both sites, photos supplied (photographs of two different colonies below)



Seasearch and MPAs

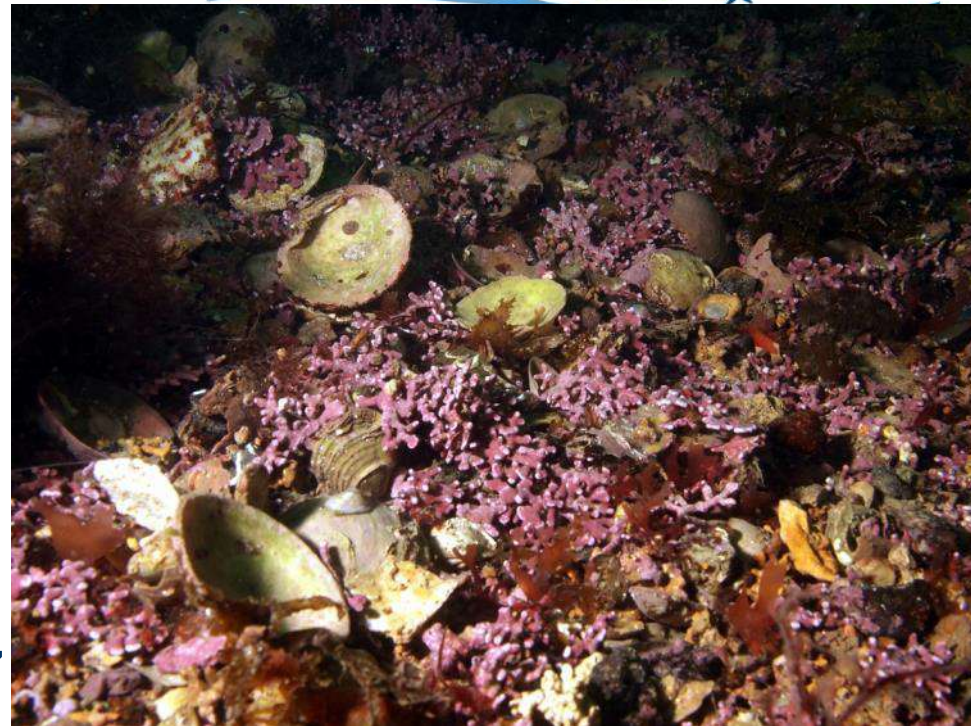


Seasearch Data has helped in the designation of MPAs

- **Future designations 2019?**
- **Tranche 3 'gap-filling'**
- **Additional features for existing (T1, T2) MCZs**
- **New (third-party) proposals**



Focused survey effort in 2017

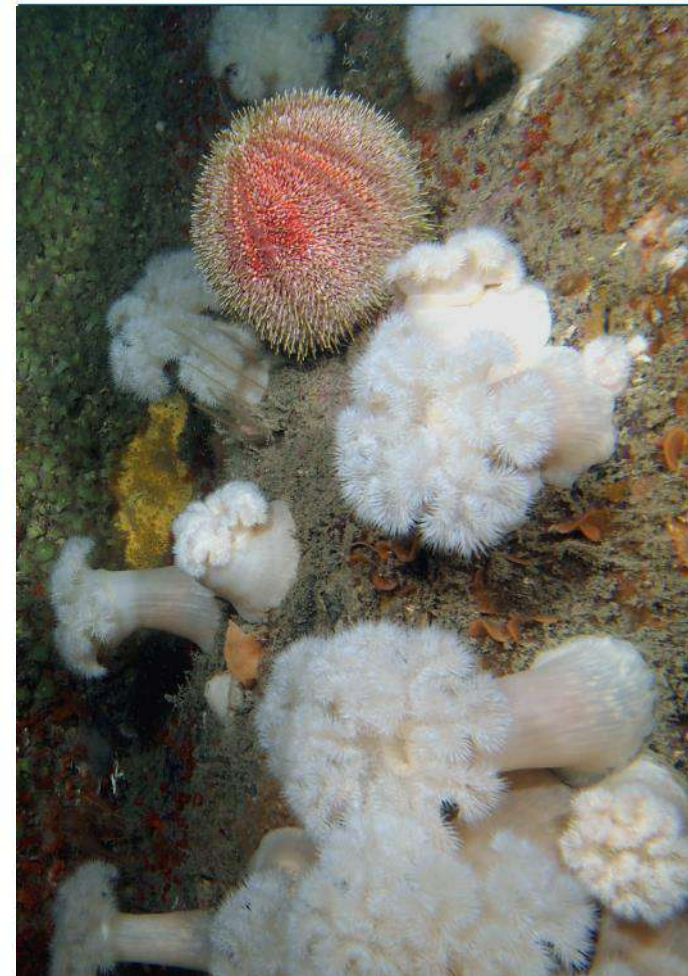


Seasearch and MPAs



Surveillance of existing MPAs

- Poole Rocks MCZ
- Chesil Beach & Stennis Ledges MCZ
- Lyme Bay closed area/SAC
- Start Point to Plymouth Sound and Eddystone SAC



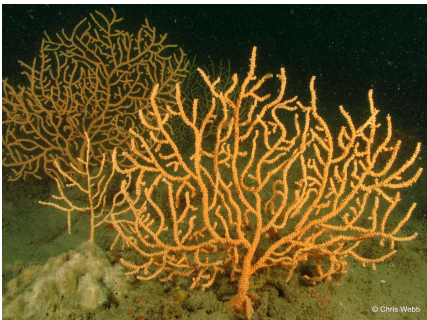
Collaborative working in the SW



Poole Harbour SSSI
Sabella pavonina
& *Suberites massa*



Lyme Bay video
ground-truthing



Falmouth maerl and
The Manacles



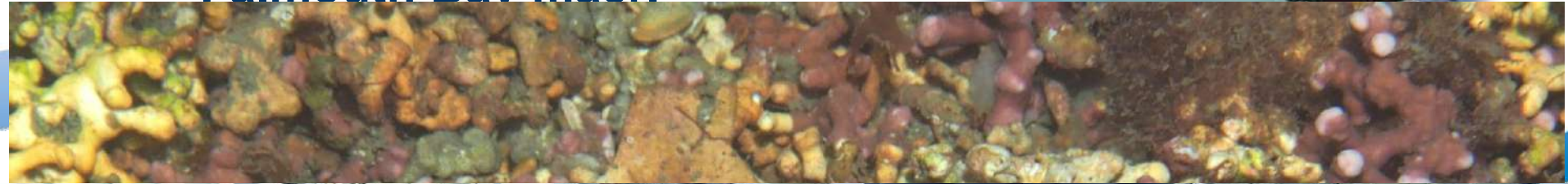
Eddystone
Management





© Dawn Watson 2016

Falmouth Bay maerl



Falmouth Bay maerl



#savefalbay

Act now: Save Fal Bay

© Lin Baldock





The Manacles MCZ Boundary

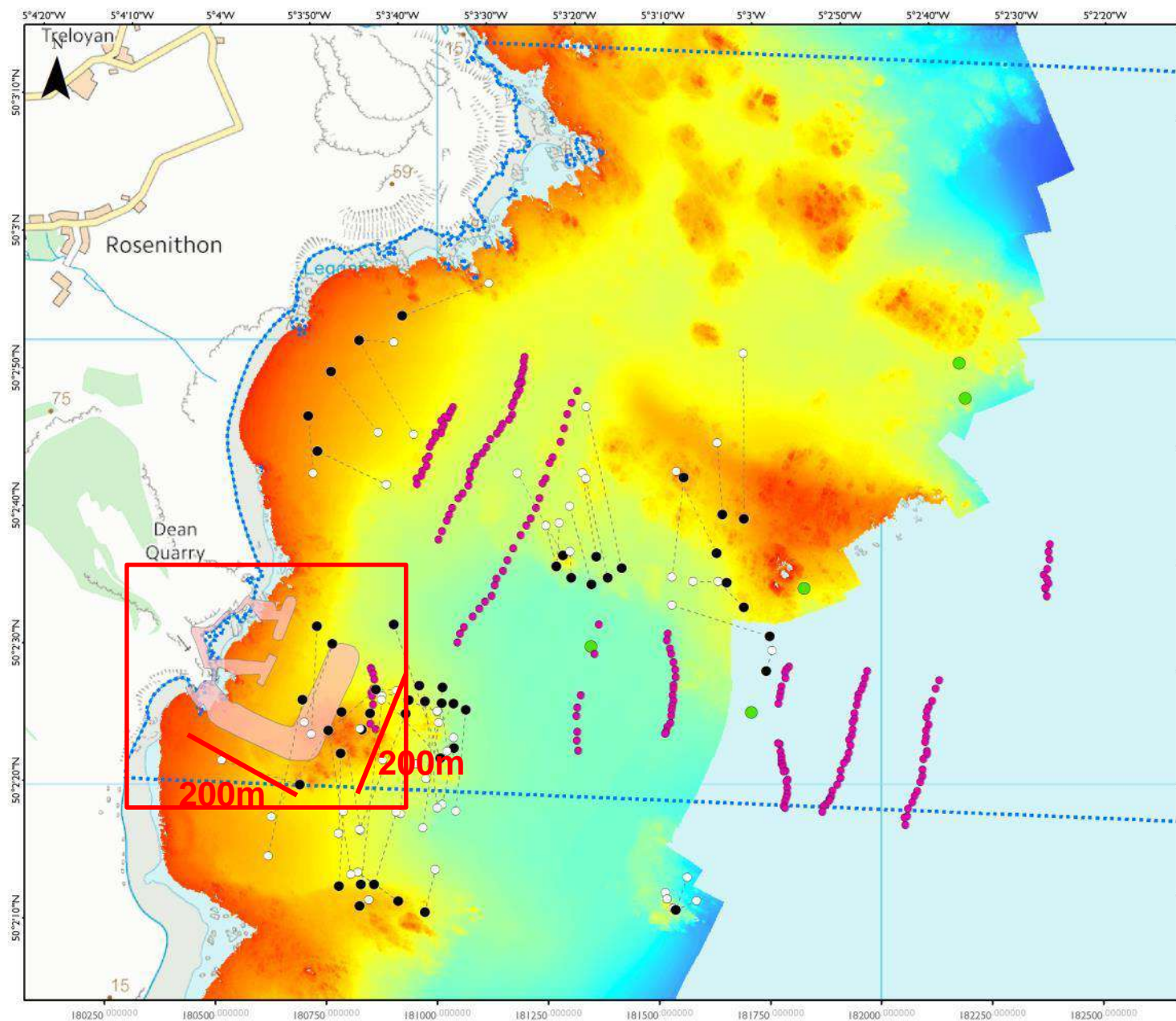
- Marine Conservation Zone
- MCZ boundary co-ordinates
- 12nM Territorial Seas Limit
- Land

| Point | Lat | Long |
|-------|-----------------|----------------|
| A | 50°3' 17.164" N | 5°3' 34.398" W |
| B | 50°3' 17.144" N | 5°2' 8.124" W |
| C | 50°2' 22.669" N | 5°2' 8.127" W |
| D | 50°2' 22.693" N | 5°4' 10.637" W |

Depth Areas (metres)

| | |
|---------------|----------------|
| -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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 (www.ukho.gov.uk). Map produced by
 Natural England 2013.
 Reference: Theme ID: 1477653
 Map Projection: British National Grid



DEAN QUARRY and MANACLES MARINE CONSERVATION ZONE

Locations of seabed surveys in area of proposed breakwater and jetty developments for Dean Quarry

CONTACT(S):

JO ANSELM
(info@porthkerris.com)

DR MATTHEW WITT
(m.j.witt@exeter.ac.uk)

Seasearch and photographic surveys conducted by voluntary SCUBA divers. Boat resources provided by Porthkerris Divers, mapping by the University of Exeter ESI and surveys to Seasearch protocol. Including CIFCA ROV and drop camera location(s).

Type

- IN
- OUT
- Dive transect (inferential)
- 20140728_DDV_bng (CIFCA)
- 20130812_ROV_bng (CIFCA)
- Breakwater development footprint
- Manacles MCZ boundary

Depth (LAT, m)

High : 3.333
Low : -49.013

0 200 Meters

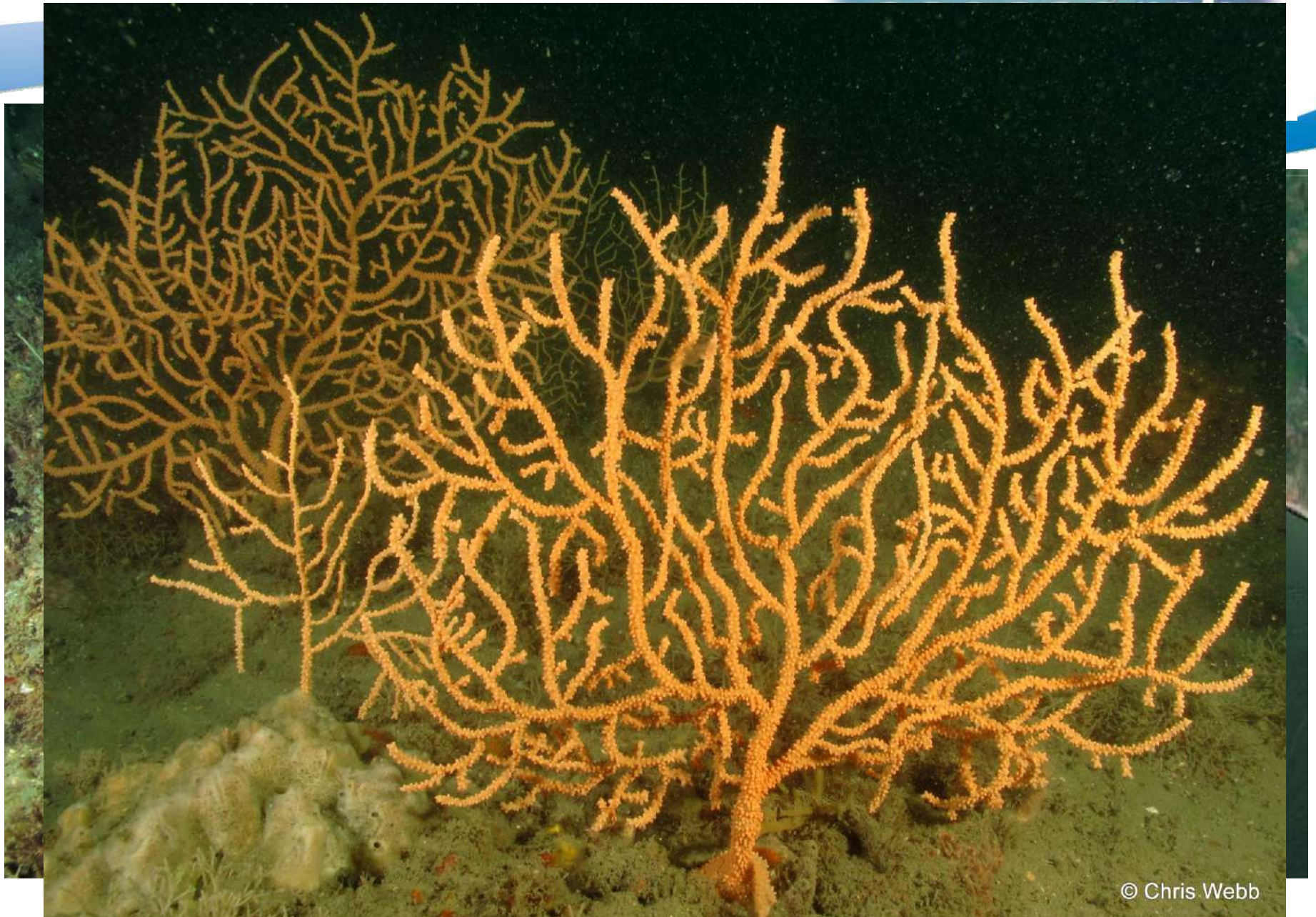
0 0.1 Nautical Miles

PROJECTION: British National Grid
MAP NOT TO BE USED FOR NAVIGATION

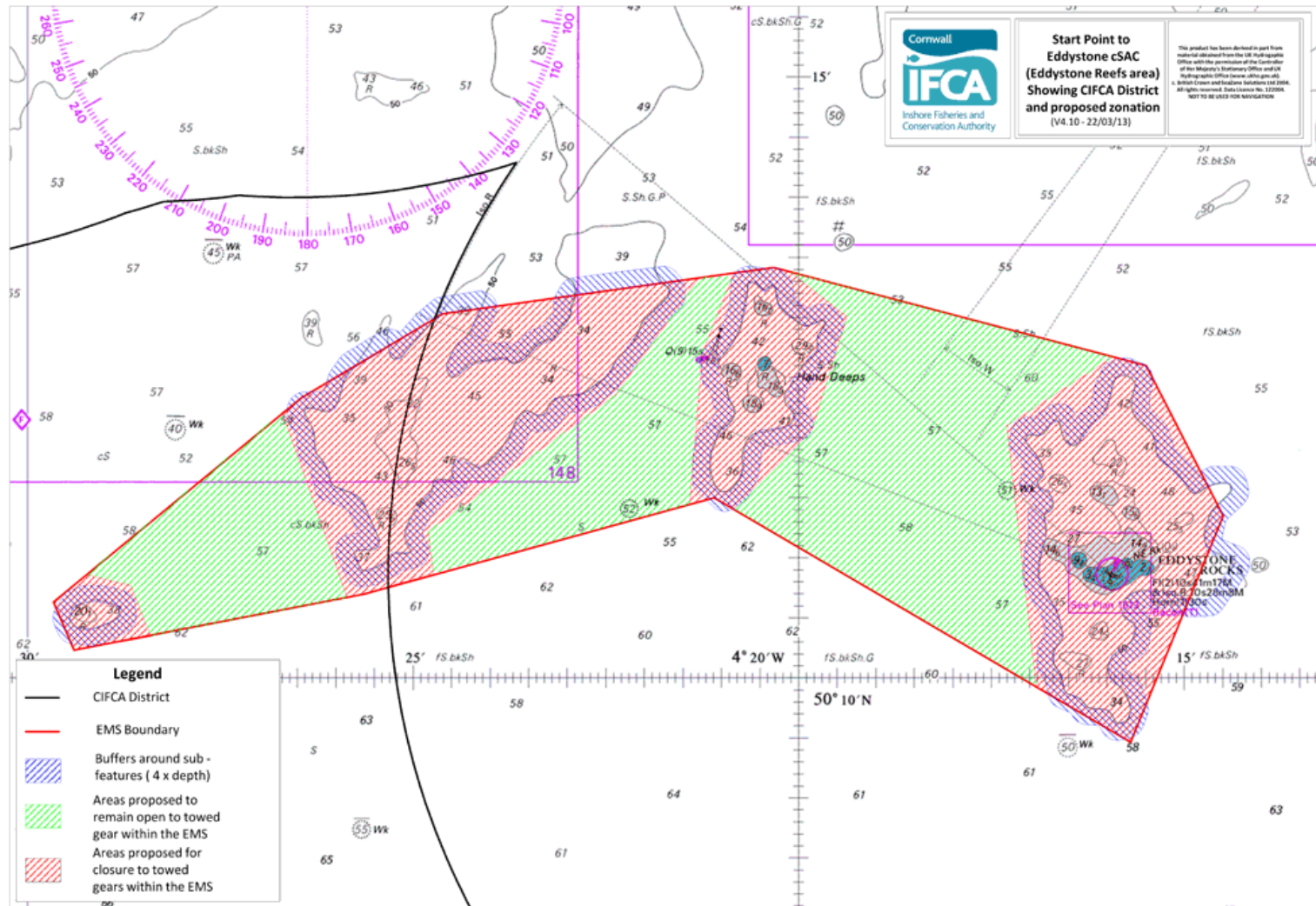
1 cm = 117 meters at A4

Date Saved: 09/08/2015 10:26:26

Lyme Bay video survey ground-truthing



SAC management measures



Species records for 2016



Rare Species

- *Amphianthus dohrnii* – Sea fan anemone
- *Desmacidon fruticosum* – sponge
- *Hoplangia durotrix* – Weymouth carpet coral
- *Scolanthus callimorphus* – worm anemone



Species records for 2016



Scarce Species

- *Adreus fascicularis* - sponge
- *Axinella damicornis* – crumpled duster sponge
- *Aiptasia mutabllis* – trumpet anemone
- *Tethyspira spinosa* – sponge



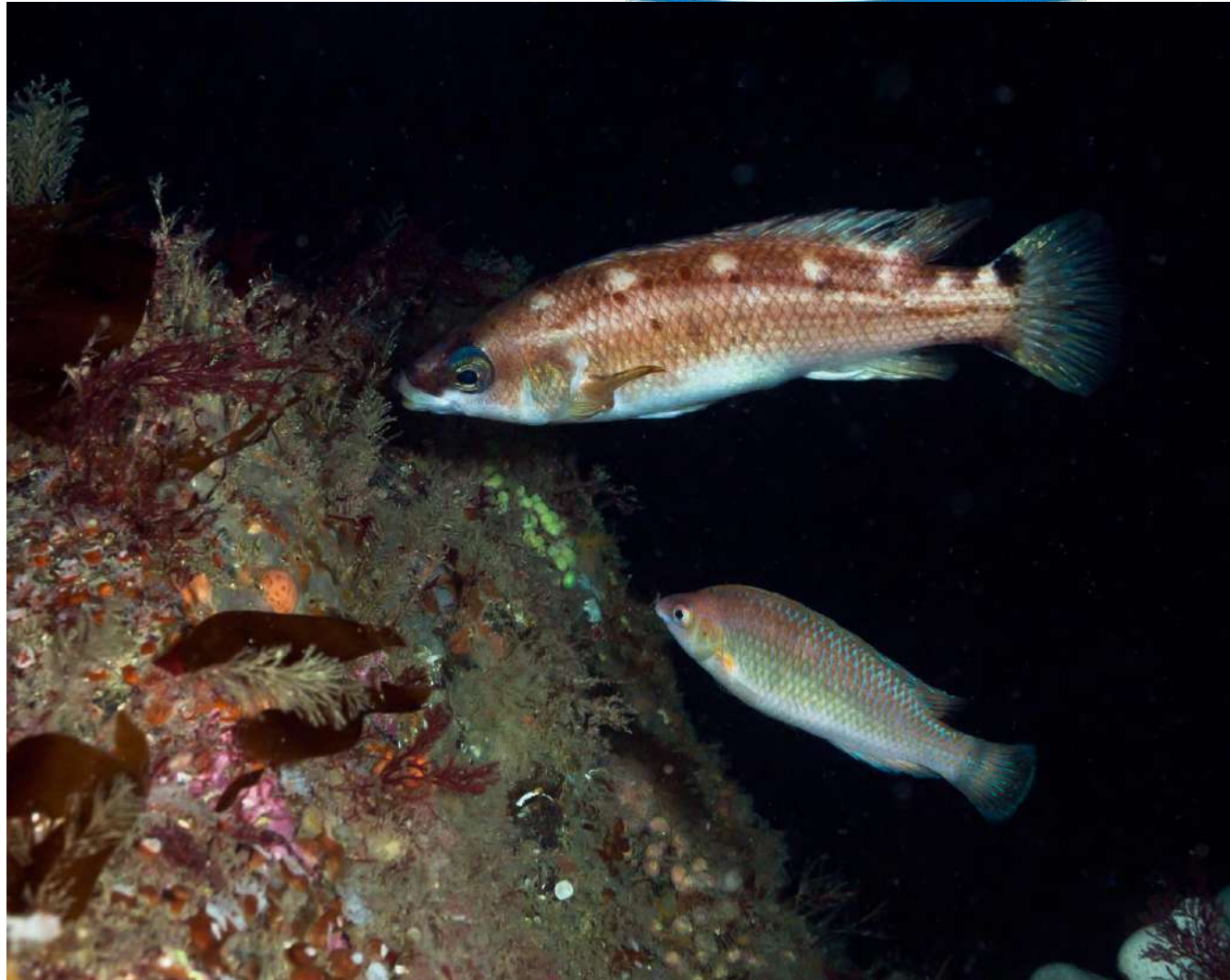
Species records for 2016



Acantholabrus palloni
(scale-rayed wrasse)

Hand Deeps, Oct. 2016

First Seasearch record
on NBN



Species records for 2016



Octopus, Chesil Cove 10th October 2016



CHESIL COVE

OCTOPUS

10TH OCTOBER 2016



0:10 / 5:42



YouTube



Species records for 2016



NUDIBRANCHS

Diaphorodoris luteocincta var .*alba*
now *Diaphorodoris alba*

Nationally rare – *Okenia elegans*

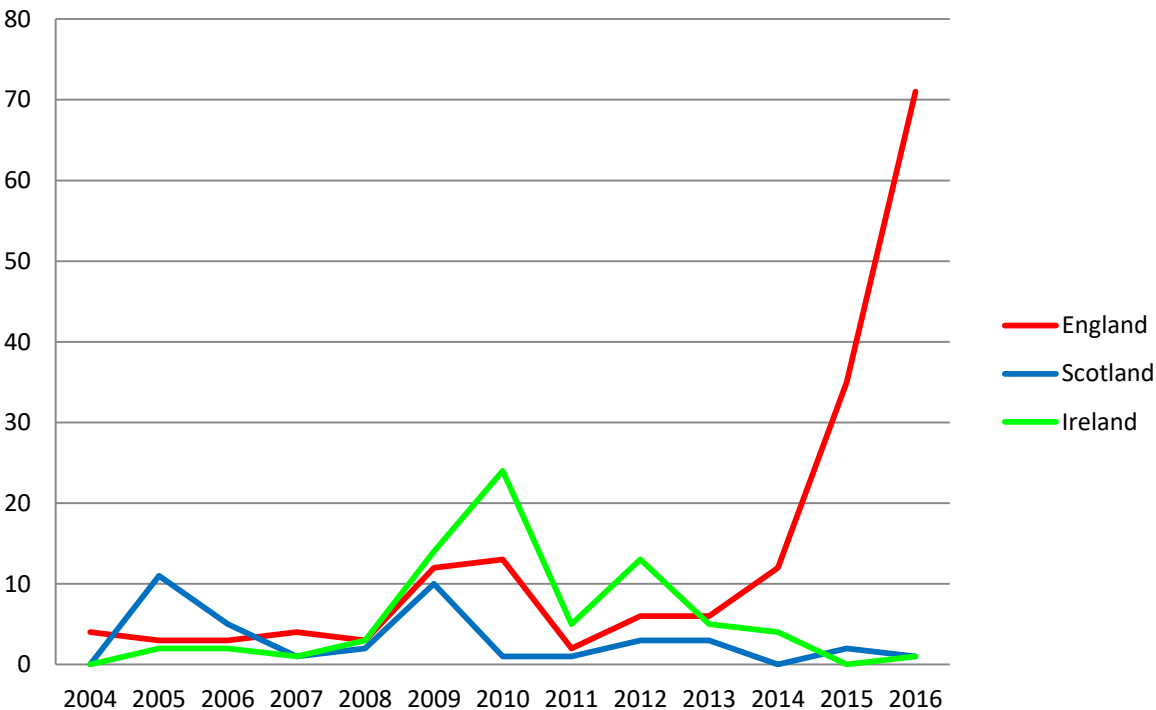
Nationally scarce – *Trapania pallida*
– *Tritonia nilsodhneri*



Species records for 2016



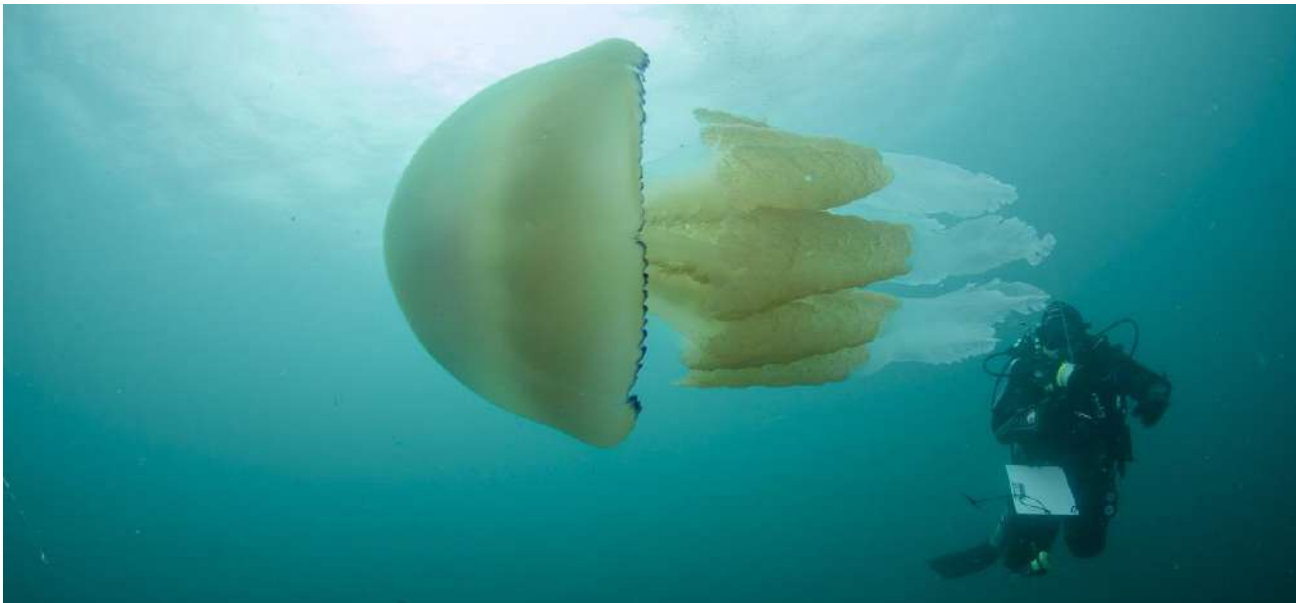
Seasearch *Palinurus elephas* Records

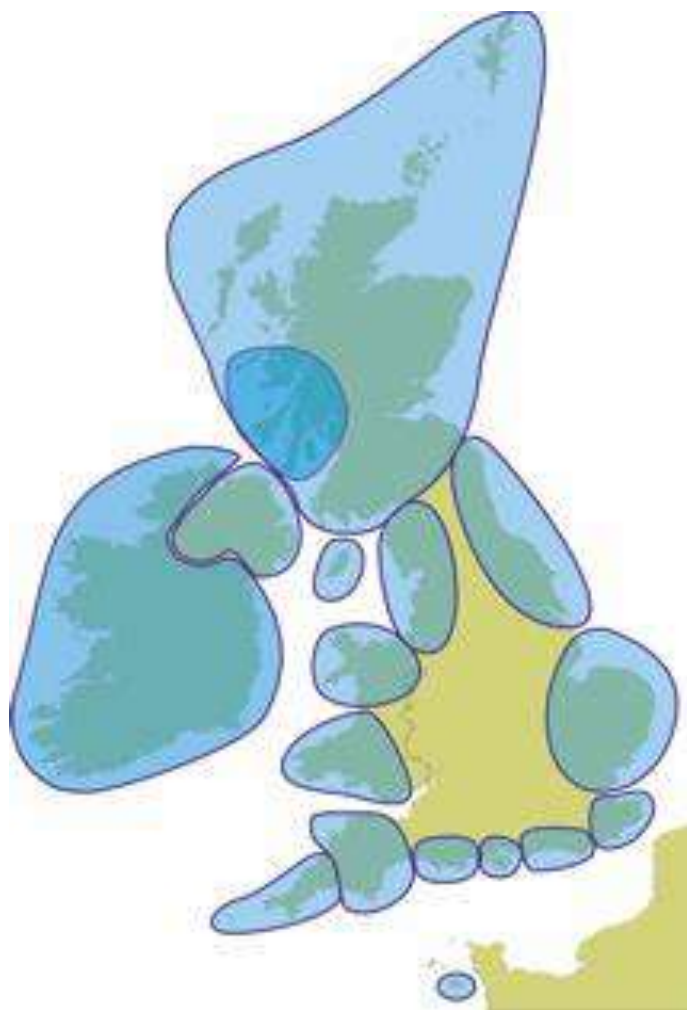


- **Over 70 South-West records in 2016!**
- **Records from Dorset (east of Portland)**
- **Continuing recovery? Or increased survey effort?**

Thanks to all the SW Seasearch recorders in 2016!

Photos by: Chris Wood, Charlotte Bolton, Chris Webb, Lin Baldock, Rik Girdler, Dawn Watson, Sally Sharrock, Richard Yorke, Mike Markey, Colin Garrett

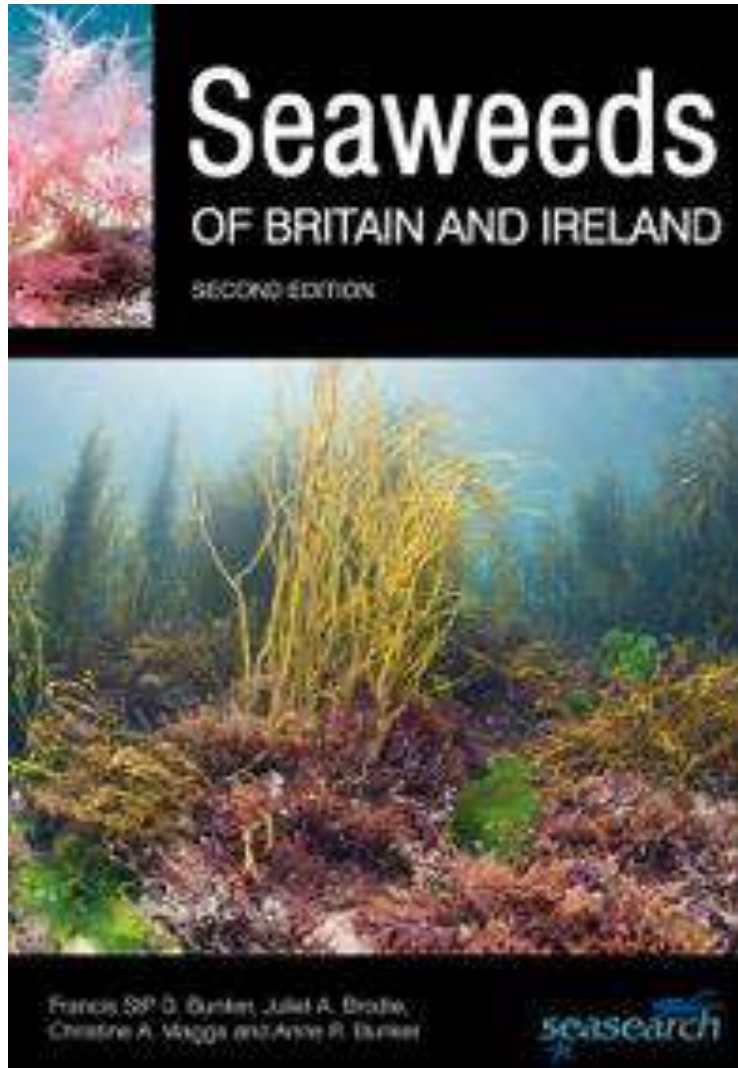




Seasearch is a partnership between the Marine Conservation Society (MCS), The Wildlife Trusts, statutory nature conservation bodies and others, co-ordinated nationally by MCS and co-ordinated and delivered locally in England by Wildlife Trust and MCS local co-ordinators.

**ANY DIVE CAN BE
A SEASEARCH DIVE!**

www.seasearch.org.uk



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