



# PORTUNUS

## The Underwater Survey the Marine Habitats of Langstone and Chichester Harbours

Alison Mayor

Southsea Sub-Aqua Club

+

Nautical Archaeology Sub-Aqua Club



# Portunus Aims

---

To record, report and share quality data from underwater sites in Langstone and Chichester Harbours.

- Site position data, GPS and sonar data
- Water data (pH, salinity, temp, visibility etc.)
- Biotopes (habitat and species)
- Priority Species and Habitats
- Non-Native Species
- Human activity/pollution
- Identify sites for future survey/monitoring
- Community engagement



\_\_\_\_\_

# Chichester Harbour

- 3,733.5-hectare (9,226-acre, 14.4 miles<sup>2</sup>)
- 85 km (53 miles) of coastline
- SSSI, RAMSAR, Special Protection Area site, 'National Landscape' (AONB),
- 1.5 million visitors a year
- RSPB and local nature reserves
- History of oyster farming, fishing, and salt production
- Largest recreational boating moorings in Europe – 12,500 craft regularly use harbour.



# Funding and Support

## The Solent Forum Natural Environment Group

- Training course costs
- Boat fuel/oil etc



## Sea-Changers

- Survey equipment
- Publicity and community engagement materials



## Clean Harbours Partnership

- Kind donation



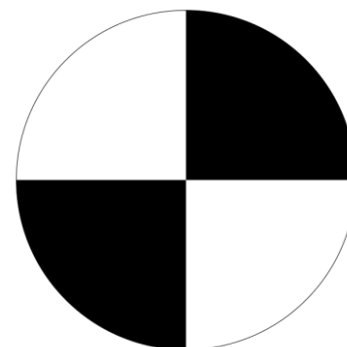
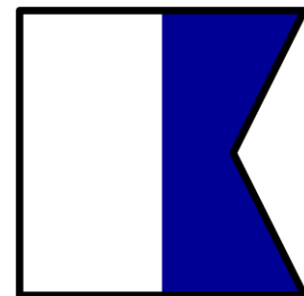
# Training

---

- **Survey Reporting**
- MCS Seasearch Observer & Surveyor – 5 members
- **Survey Techniques and Recording**
- BSAC Underwater Surveyor – 17 members
- QGIS – 2 members



# Equipment



## Data and Reporting

- Seasearch – National Marine Recorder database
- iNaturalist App
- Seagrass Spotter App
- Water quality (SONDE) data – EA
- BSAC 'Operation Oyster'
- UK Seahorse database
- Annual Report

## Community Engagement

- Talks, displays and events
- Social media, publications
- Virtual Reality
- Natural History Museum display?

# Reporting and Sharing



website



Social media



'Critter  
gallery'



Community  
events



Talks



Broadcast  
Media



Newspapers,  
magazines



## Risk and Hazards

- Environmental pollution
- Abandoned fishing gear
- Weather and tides
- Boating incident
- Mud!

# Surveys conducted

11 dive surveys  
completed

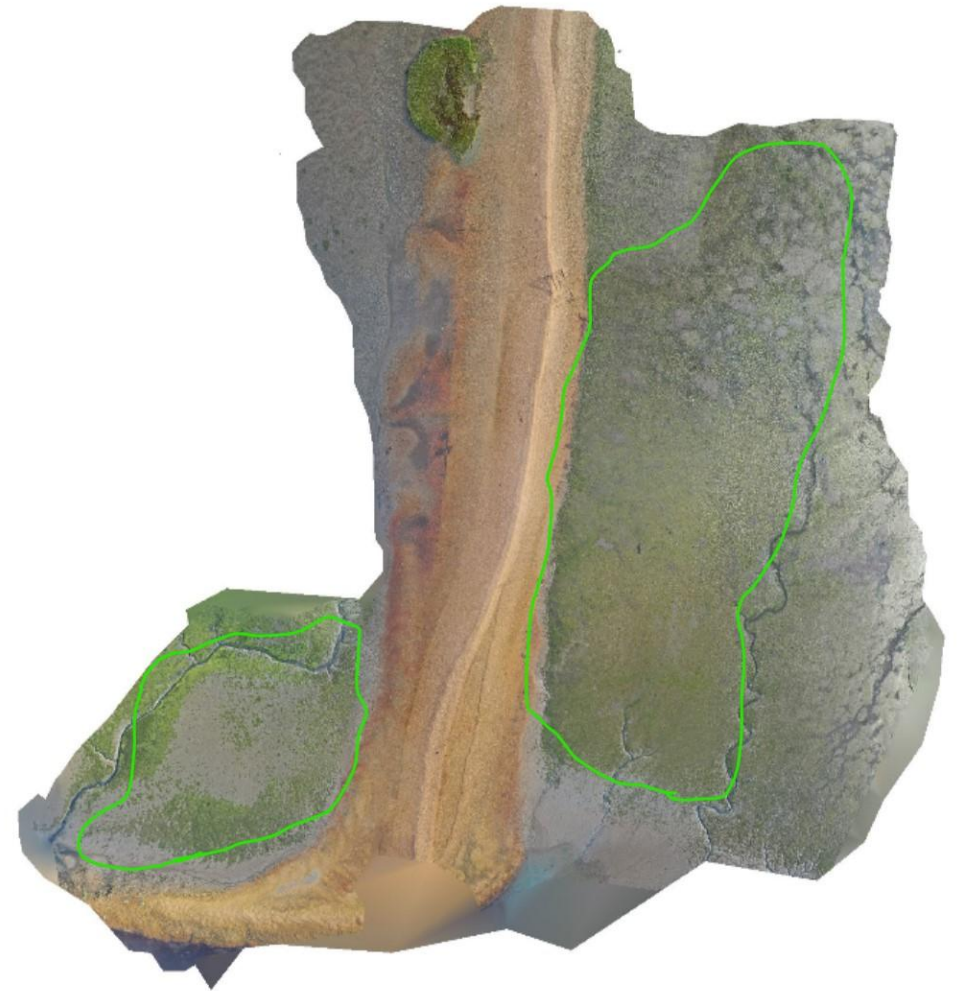
9 Langstone  
Harbour

2 Chichester  
Harbour  
(approaches)

16 intertidal  
surveys  
completed

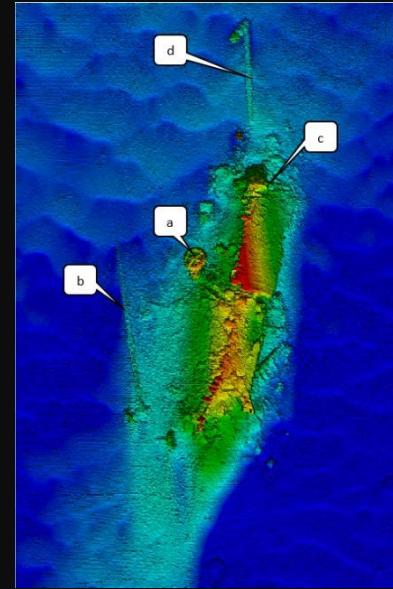
17 Langstone  
Harbour

The Kench Spit  
New area of seagrass & oyster reef



# Withern Wreck (Langstone) August 2024

- Bucket dredger sank in 1926
- Depth 9m
- Length 60m, height 3m, beam 5m
- Vis 6.5m
- Rests on sandy seabed
- Teaming with life!



# Dive the Withern

Without getting wet!

- Endless dive time
- Great tool for outreach
- Purchased with grant funding
- The future of diving?





Withern VR Demonstration (screenshare)

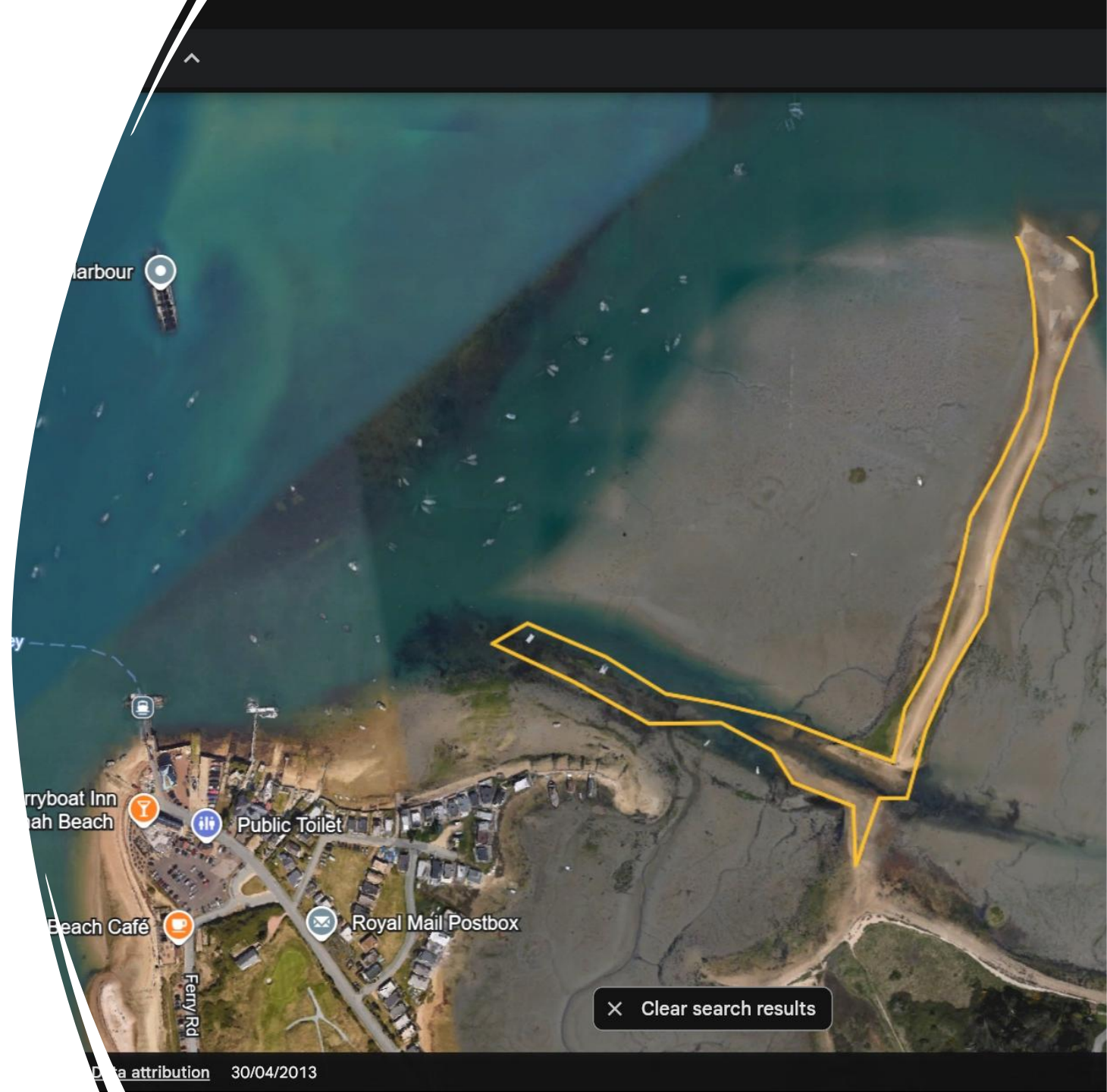
16:9

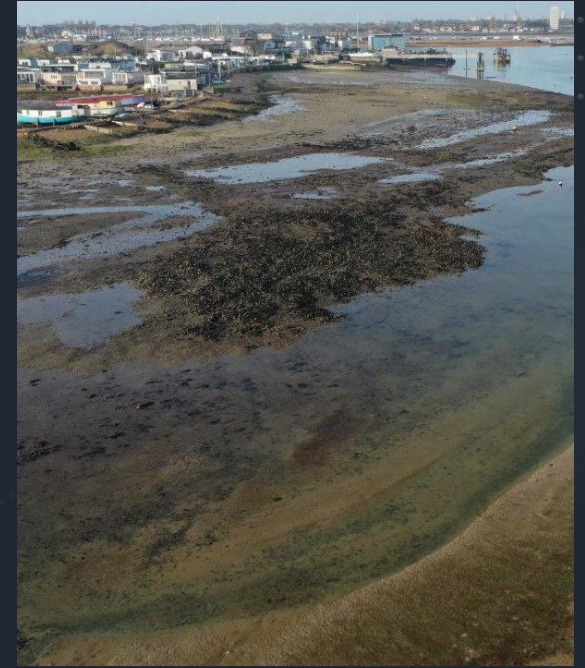


# Intertidal Surveys Langstone Harbour

---

- The Kench (north and spit)
- Old Hayling Oyster beds
- Farlington Marshes
- Eastern Road
- Eastney ferry shoreline





# The Kench Local Nature Reserve, Hampshire Countryside Service

- Rich biotope of sand, mud, shingle, biological habitats and species
- Large Pacific Oyster Reefs
- New areas of Seagrass (marina + noltei)
- 100 different species recorded, 40% not recorded in Langstone before (NBN)
- 16 Non-Native Species



- Master species spreadsheet
  - Site, date, species, image ref #
  - NBN data/hyperlink
  - New to harbour?
  - Non-Native
  - Comments/observations
- Image Library
- Site dive / survey data
- Water Quality Data
- DASSH Citizen Science Best Practice Guide

| Tortanus Species List |                |                                          |                                             |             |            |       |                          |                                                         |  |                                                                                                                       |                                  |                  |                        |
|-----------------------|----------------|------------------------------------------|---------------------------------------------|-------------|------------|-------|--------------------------|---------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------------------------|
| Site                  | The Kench      |                                          |                                             |             |            |       |                          |                                                         |  |                                                                                                                       |                                  |                  |                        |
| Phylum                | Class          | Name                                     | Common name                                 | Site        | Date       | Photo | Image #                  | Comment                                                 |  | NBN Atlas                                                                                                             | New record for Langstone?        | NBN # of records | Reported in Naturalist |
| Annelida              | Polychaeta     | Lanis conchiglia                         | Sand Mason worm                             | Kench shore | 05/03/2025 |       | MED_0207                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000176007">https://species.abnatas.org/species/NHMSY000176007</a>   | N (4 records)                    | 18744            | Y                      |
| Annelida              | Polychaeta     | Spirobranchus triquetus                  | Keelworm, Keel Tubeworm                     | Kench shore | 29/03/2025 |       | MED_0431                 | told rapids spit, moorings                              |  | <a href="https://species.abnatas.org/species/NHMSY000148464">https://species.abnatas.org/species/NHMSY000148464</a>   | N (4 records)                    | 43171            | Y                      |
| Annelida              | Polychaeta     | Spionidius sp.                           | Spionid worm                                | Kench shore | 31/03/2025 |       | MED_0851                 | told rapids, spit                                       |  | <a href="https://species.abnatas.org/species/NHMSY000148469">https://species.abnatas.org/species/NHMSY000148469</a>   | N (4 records)                    | 1680             | Y                      |
| Annelida              | Polychaeta     | Sabellia paviaia                         | Peacock worms                               | Kench shore | 05/03/2025 |       | 20250305_98203           | Moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY000148529">https://species.abnatas.org/species/NHMSY000148529</a>   | N (4 records)                    | 11092            | Y                      |
| Annelida              | Polychaeta     | phylodolidae                             | Paddle worm (eggs)                          | Kench shore | 03/03/2025 |       |                          | Moorings, tidal pools                                   |  | <a href="https://species.abnatas.org/species/NHMSY000149437">https://species.abnatas.org/species/NHMSY000149437</a>   | N (30 records)                   | 48333            | Y                      |
| Annelida              | Polychaeta     | class Polychaeta                         | Polychaete Worms                            | Kench shore | 28/03/2025 |       | 20240328_164243-4        | Moorings (Ray Dickinson images)                         |  | <a href="https://species.abnatas.org/species/NHMSY000149494">https://species.abnatas.org/species/NHMSY000149494</a>   | N (50+ records)                  | 888317           | Y                      |
| Annelida              | Polychaeta     | Hamothore sp                             | Scale worm                                  | Kench shore | 31/03/2025 |       | MED_0611 - 0615          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000148837">https://species.abnatas.org/species/NHMSY000148837</a>   | N (6 records)                    | 10583            | Y                      |
| Annelida              | Gymnolaimata   | Kelusa                                   | Frosty Sea Mat                              | Kench shore | 28/03/2025 |       | MED_0397                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000192213">https://species.abnatas.org/species/NHMSY000192213</a>   | Y                                | 10698            |                        |
| Brzozoa               | Stenolemata    | Tubuliporina spp                         |                                             | Kench shore | 05/03/2025 |       | MED_0203                 | need sample                                             |  | <a href="https://species.abnatas.org/species/NHMSY0001503143">https://species.abnatas.org/species/NHMSY0001503143</a> | Y                                | 1901             |                        |
| Brzozoa               |                | Candida Scrupocellaria spp               |                                             | Kench shore | 05/03/2025 |       | MED_0203                 | need sample                                             |  | <a href="https://species.abnatas.org/species/NHMSY000177885">https://species.abnatas.org/species/NHMSY000177885</a>   | N (1 record NE of Harbour)       | 4246             |                        |
| Chlorophyta           | Alga           | Uva spp                                  | Sea Lettuce                                 | Kench shore | 19/09/2024 |       | 20240919_182441          | Many species - more detailed survey needed. Microscope  |  | <a href="https://species.abnatas.org/species/NHMSY0001500745">https://species.abnatas.org/species/NHMSY0001500745</a> | not known                        | 33756            |                        |
| Chlorophyta           | Alga           | Uva spp?                                 | sea Lettuce?                                | Kench shore | 12/04/2025 |       | F4120227                 | Could be Monostroma grevillei? Microscope?              |  | <a href="https://species.abnatas.org/species/NHMSY0001500745">https://species.abnatas.org/species/NHMSY0001500745</a> | not known                        | 33756            | Y                      |
| Chlorophyta           | Alga           | Sea Lettuce                              | Sea Lettuce                                 | Kench shore | 27/02/2025 |       | MED_0965                 | different from other observation                        |  | <a href="https://species.abnatas.org/species/NHMSY0001500745">https://species.abnatas.org/species/NHMSY0001500745</a> | not known                        | 33756            | Y                      |
| Chlorophyta           | Alga           | Uva spp                                  | gut weed?                                   | Kench shore | 21/04/2025 |       | W178 - 1184              | ? Uva intestinalis or prolifera?                        |  | <a href="https://species.abnatas.org/species/NHMSY000176710">https://species.abnatas.org/species/NHMSY000176710</a>   | Y                                | 33756            |                        |
| Chordata              | Chordichthyes  | Nereopsis lumbriciformis                 | Worm Pipefish                               | Kench shore | 29/03/2025 |       | 20250329_15501ca         | Edwards images                                          |  | <a href="https://species.abnatas.org/species/NHMSY000176710">https://species.abnatas.org/species/NHMSY000176710</a>   | N (2 records)                    | 962              | Y                      |
| Chordata              | Actinopterygii | Lipophrys pholis                         | Shanny                                      | Kench shore | 06/04/2025 |       |                          | Tidal rapids/stream + eggs                              |  | <a href="https://species.abnatas.org/species/NHMSY0000176176">https://species.abnatas.org/species/NHMSY0000176176</a> | Y                                | 2663             | Y                      |
| Chordata              | Actinopterygii | Pomatoschistus minutus?                  | Sand Goby?                                  | Kench shore | 31/03/2025 |       | MED_0086                 | Tidal pool                                              |  |                                                                                                                       |                                  |                  |                        |
| Chordata              | Acidicidae     | Ciona intestinalis                       | Yellow-tinged Sea Squirt                    | Kench shore | 10/04/2025 |       | MED_0799, 801, 802       | Tidal pool                                              |  | <a href="https://species.abnatas.org/species/NHMSY000174662">https://species.abnatas.org/species/NHMSY000174662</a>   | N (2 records Eastney)            | 6159             | Y                      |
|                       |                |                                          |                                             |             | 06/03/2025 |       | MED_0203                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000174676">https://species.abnatas.org/species/NHMSY000174676</a>   | N (2 records)                    | 10589            | Y                      |
| Chordata              | Acidicidae     | Bittium schlosseri                       | Star Ascidian, Star Sea Squirt              | Kench shore | 30/03/2025 |       | MED_0604                 |                                                         |  |                                                                                                                       |                                  |                  |                        |
|                       |                |                                          |                                             |             | 01/04/2025 |       | MED_0782                 |                                                         |  |                                                                                                                       |                                  |                  |                        |
|                       |                |                                          |                                             |             | 31/03/2025 |       | MED_0869 - 0693          | Tidal rapids - checked with AB B                        |  | <a href="https://species.abnatas.org/species/NHMSY000176180">https://species.abnatas.org/species/NHMSY000176180</a>   | Y                                | 2284             | Y                      |
| Cnidaria              | Anthozoa       | Anemonia viridis                         | snakekisses anemone                         | Kench shore | 31/03/2025 |       | MED_0698                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001503923">https://species.abnatas.org/species/NHMSY0001503923</a> | N (1 record)                     | 11241            | Y                      |
| Cnidaria              | Anthozoa       | Cyrtina troglodytes                      | Mud Sagartia                                | Kench shore | 31/03/2025 |       | MED_0616-0620            |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001389184">https://species.abnatas.org/species/NHMSY0001389184</a> | Y                                | 2914             | Y                      |
| Crustacea             | Portunidae     | Callinectes maenas                       | Green shore crab                            | Kench shore | 13/03/2025 |       | MED_0294 - 0295          | moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY000174667">https://species.abnatas.org/species/NHMSY000174667</a>   | N (35 records)                   | 21421            | Y                      |
| Crustacea             | Malacostraca   | Plumula hirtella                         | Hermit crab                                 | Kench shore | 01/04/2025 |       | MED_0771a                | tidal rapids                                            |  | <a href="https://species.abnatas.org/species/NHMSY000177219">https://species.abnatas.org/species/NHMSY000177219</a>   | N (2 records)                    | 1980             | Y                      |
| Crustacea             | Malacostraca   | Inachus phalangium                       | Leach's spider crab                         | Kench shore | 13/03/2025 |       | MED_0306                 | moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY000175871">https://species.abnatas.org/species/NHMSY000175871</a>   | N (1 record)                     | 11541            | Y                      |
| Crustacea             | Malacostraca   | Pagurus bernardus                        | Common Hermit Crab                          | Kench shore | 30/03/2025 |       | MED_0589-0590            | moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY000176034">https://species.abnatas.org/species/NHMSY000176034</a>   | Y                                | 19339            | Y                      |
| Crustacea             | Malacostraca   | Pagurus cauanensis                       | Atlantic Hairy Hermit Crab                  | Kench shore | 29/03/2025 |       | 20250329_170656          | Edwards images                                          |  | <a href="https://species.abnatas.org/species/NHMSY000146963">https://species.abnatas.org/species/NHMSY000146963</a>   | N (3 reports)                    | 855              | Y                      |
| Crustacea             | Malacostraca   | Plumula hirtella                         | Rockpool PowerShell crab                    | Kench shore | 01/04/2025 |       | MED_0776-c               |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000177219">https://species.abnatas.org/species/NHMSY000177219</a>   | not known                        | 3726             | Y                      |
| Crustacea             | Malacostraca   | Pisidia longicoma                        | Long clawed porcelain crab                  | Kench shore | 06/04/2025 |       | F40007-76                |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000177246">https://species.abnatas.org/species/NHMSY000177246</a>   | N (2 records)                    | 5486             | Y                      |
| Crustacea             | Maxillopoda    | Semibalanus balanoides                   | Barnacle                                    | Kench shore | 10/04/2025 |       | MED_0814c                | Spit                                                    |  | <a href="https://species.abnatas.org/species/NHMSY000042568">https://species.abnatas.org/species/NHMSY000042568</a>   | N (4 records)                    | 14183            | Y                      |
| Crustacea             | Malacostraca   | Myxididae                                | Myxidide shrimp                             | Kench shore | 31/03/2025 |       | MED_0684                 | Tidal pool                                              |  | <a href="https://species.abnatas.org/species/NHMSY0001505665">https://species.abnatas.org/species/NHMSY0001505665</a> | N (3 records)                    | 3991             | Y                      |
| Crustacea             | Malacostraca   | (Amphipoda - gammaroides)                |                                             | Kench shore | 29/03/2025 |       | MED_0469, 0460           | Tidal rapids/pool                                       |  | <a href="https://species.abnatas.org/species/NHMSY0001505624">https://species.abnatas.org/species/NHMSY0001505624</a> | N (14 records)                   | 55394            | Y                      |
| Crustacea             | Malacostraca   | (Amphipoda - gammaroides)                |                                             | Kench shore | 06/04/2025 |       | F40007-76                | Tidal rapids/stream                                     |  | <a href="https://species.abnatas.org/species/NHMSY0001505624">https://species.abnatas.org/species/NHMSY0001505624</a> | N (14 records)                   | 55394            | Y                      |
| Echinodermata         | Ophiuroidea    | Ophura spp                               | Sand Brittlestars                           | Kench shore | 29/03/2025 |       | MED_0426 - 0446          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000176577">https://species.abnatas.org/species/NHMSY000176577</a>   | Y                                | 5670             | Y                      |
| Mollusca              | Polyplocapoda  | Lepidochitona cinerea                    | Chiton, Grey Mail shell                     | Kench shore | 13/03/2025 |       | MED_0288                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001505650">https://species.abnatas.org/species/NHMSY0001505650</a> | N (10 records)                   | 4220             | Y                      |
| Mollusca              | Pectinidae     | Ostrea edulis                            | European Oyster                             | Kench shore | 02/03/2025 |       | MED_0967                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001765716">https://species.abnatas.org/species/NHMSY0001765716</a> | N (block entry for south coasts) | 7374             | Y                      |
| Mollusca              | Tridacnidae    | Europea or Spotted Cowrie                |                                             | Kench shore | 13/03/2025 |       | MED_0774c                | 4 individuals sighted                                   |  | <a href="https://species.abnatas.org/species/NHMSY0001765716">https://species.abnatas.org/species/NHMSY0001765716</a> | N (2 records)                    | 4226             | Y                      |
| Mollusca              | Tridacnidae    | Phorus lineatus                          | Toothed Top shell Thick Top shell           | Kench shore | 13/03/2025 |       | MED_0202-02022           | two spotted clove - approx 4 years old                  |  | <a href="https://species.abnatas.org/species/NHMSY0001765716">https://species.abnatas.org/species/NHMSY0001765716</a> | N (1 record Eastney spit)        | 4426             | Y                      |
| Mollusca              | Gastropoda     | Steromphala cineraria                    | Grey Top shell                              | Kench shore | 13/03/2025 |       |                          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001185567">https://species.abnatas.org/species/NHMSY0001185567</a> | N (10 records)                   | 18753            | Y                      |
| Mollusca              | Gastropoda     | Littoridinidae spp                       | Periwinkle snails                           | Kench shore | 29/03/2025 | Y     | MED_0472 - 0475          | Striped periwinkle - different species?                 |  | <a href="https://species.abnatas.org/species/NHMSY0001505453">https://species.abnatas.org/species/NHMSY0001505453</a> | N (37 records)                   | 15672            | Y                      |
| Mollusca              | Gastropoda     | Nucella sp.                              | Dog Whelk                                   | Kench shore | 29/03/2025 | Y     | 20250329_163431 - 163541 | Tidal rapids, Striped shell                             |  | <a href="https://species.abnatas.org/species/NHMSY0001505453">https://species.abnatas.org/species/NHMSY0001505453</a> | N (7 records)                    | 15672            | Y                      |
| Mollusca              | Littoracina    | Common Edible Periwinkle                 |                                             | Kench shore | 13/03/2025 |       | MED_0287 - 0288          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000176480">https://species.abnatas.org/species/NHMSY000176480</a>   | N (37 records)                   | 16479            | Y                      |
| Mollusca              | Gastropoda     | Berthella plumula                        | Yellow-Plumed or gold gilled Sea Slug       | Kench shore | 31/03/2025 |       | MED_0872-0885            | tidal stream and oyster reef                            |  | <a href="https://species.abnatas.org/species/NHMSY000174118">https://species.abnatas.org/species/NHMSY000174118</a>   | Y                                | 525              | Y                      |
| Mollusca              | Gastropoda     | Eysa viridis                             | Solar powered sea slug                      | Kench shore | 29/03/2025 |       | MED_428 - 430            | tidal stream lagoon                                     |  | <a href="https://species.abnatas.org/species/NHMSY000175103">https://species.abnatas.org/species/NHMSY000175103</a>   | Y                                | 804              | Y                      |
| Mollusca              | Bivalvia       | Mytilus edulis                           | Common or mussel                            | Kench shore | 13/03/2025 |       | MED_0259                 | near tidal stream                                       |  | <a href="https://species.abnatas.org/species/NHMSY0001765716">https://species.abnatas.org/species/NHMSY0001765716</a> | N (7 records)                    | 25182            | Y                      |
| Mollusca              | Nudibranchia   | Acanthodoris pilosa                      | Warty Spiny dors or white hedgehog sea slug | Kench shore | 01/04/2025 |       | MED_0774c                | several seen amongst spiral wrack eating, mating + eggs |  | <a href="https://species.abnatas.org/species/NHMSY0001765716">https://species.abnatas.org/species/NHMSY0001765716</a> | Y                                | 1573             | Y                      |
| Mollusca              | Nudibranchia   | Aeolidia alderi                          |                                             | Kench shore | 13/03/2025 |       | 20250305_150721          | several observed under rocks                            |  | <a href="https://species.abnatas.org/species/NHMSY000173922">https://species.abnatas.org/species/NHMSY000173922</a>   | Y                                | 86               | Y                      |
| Mollusca              | Nudibranchia   | Doris verrucosa                          | Warty Doris                                 | Kench shore | 19/09/2024 |       | 20240919_190452          | Not previously recorded. Many seen                      |  | <a href="https://species.abnatas.org/species/NHMSY000175905">https://species.abnatas.org/species/NHMSY000175905</a>   | Y                                | 13               | Y                      |
| Mollusca              | Bivalvia       | Cerastoderma edule                       | cockles                                     | Kench shore | 02/03/2025 |       | 20250203_040606          | mostly empty shells                                     |  | <a href="https://species.abnatas.org/species/NHMSY000006910">https://species.abnatas.org/species/NHMSY000006910</a>   | N (48 records)                   | 10814            | Y                      |
| Mollusca              | Bivalvia       | Caprellina costata                       | razor shell                                 | Kench shore | 05/03/2025 |       | MED_0290                 | Dead shells                                             |  | <a href="https://species.abnatas.org/species/NHMSY0001505640">https://species.abnatas.org/species/NHMSY0001505640</a> | Y                                | 18477            | Y                      |
| Mollusca              | Gastropoda     | Ocenebra emiculae                        | Oysterling Stink Winkle, Oyster drill       | Kench shore | 21/08/2024 |       | 20240821_073230          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001505338">https://species.abnatas.org/species/NHMSY0001505338</a> | N (1 record Eastney spit)        | 2004             | Y                      |
| Mollusca              | Gastropoda     | Patella vulgata                          | Common Limpet                               | Kench shore | 29/03/2025 |       | MED_0476                 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001505699">https://species.abnatas.org/species/NHMSY0001505699</a> | N (6 records)                    | 14508            | Y                      |
| Mollusca              | Pectinidae     | Mimachlamys varia                        | Vargated scallop                            | Kench shore | 20/08/2024 |       | 20240820_180900          | covered in red sponge                                   |  | <a href="https://species.abnatas.org/species/NHMSY0001506619">https://species.abnatas.org/species/NHMSY0001506619</a> | N (3 records)                    | 2937             | Y                      |
| Mollusca              | Gastropoda     | Laseria spire Shell                      |                                             | Kench shore | 05/03/2025 |       | MED_0219                 | tiny gastropods near Zostera noltii                     |  | <a href="https://species.abnatas.org/species/NHMSY000176218">https://species.abnatas.org/species/NHMSY000176218</a>   | N (2 records)                    | 4201             | Y                      |
| Mollusca              | Gastropoda     | Littorina obtusata                       | Flat Periwinkle                             | Kench shore | 29/03/2025 |       | 20250329_164005 - 164002 |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY000176218">https://species.abnatas.org/species/NHMSY000176218</a>   | N (7 records)                    | 5155             | Y                      |
| Mollusca              | Gastropoda     | Buccinum undatum                         | Common Whelk                                | Kench shore | 30/03/2025 |       | MED_0574-6               | End of Spit                                             |  | <a href="https://species.abnatas.org/species/NHMSY000174245">https://species.abnatas.org/species/NHMSY000174245</a>   | N (9 records)                    | 1218             | Y                      |
| Mollusca              | Bivalvia       | Ruditapes decussatus                     | Chequered or grooved carpet shell           | Kench shore | 13/03/2025 |       | MED_0273                 | Mostly empty shells of various sizes                    |  | <a href="https://species.abnatas.org/species/NHMSY0001504099">https://species.abnatas.org/species/NHMSY0001504099</a> | N (10 records)                   | 627              | Y                      |
| Ochrophyta            | Phaeophyceae   | Fucus vesiculosus                        | Bladder Wack                                | Kench shore | 13/03/2025 |       | MED_0235                 | Upper shore moorings                                    |  | <a href="https://species.abnatas.org/species/NHMSY0001505648">https://species.abnatas.org/species/NHMSY0001505648</a> | N (25 records)                   | 16890            | Y                      |
| Ochrophyta            | Phaeophyceae   | Fucus spiralis                           | Sea Wack                                    | Kench shore | 27/02/2025 |       | MED_0585 - 0098          | Moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY0001505648">https://species.abnatas.org/species/NHMSY0001505648</a> | N (2 records)                    | 1803             | Y                      |
| Ochrophyta            | Phaeophyceae   | Ascophyllum nodosum                      | Knotted wrack, egg wrack                    | Kench shore | 10/04/2025 |       | F410091 - 193            | end of Spit                                             |  | <a href="https://species.abnatas.org/species/NHMSY0001505637">https://species.abnatas.org/species/NHMSY0001505637</a> | N (8 records)                    | 47218            | Y                      |
| Ochrophyta            | Phaeophyceae   | Fucus spiralis                           | Fucus spiralis                              | Kench shore | 12/04/2025 |       | F410222 - 136            | moorings                                                |  | <a href="https://species.abnatas.org/species/NHMSY0001505647">https://species.abnatas.org/species/NHMSY0001505647</a> | N (7 records)                    | 5842             | Y                      |
| Ochrophyta            | Phaeophyceae   | Gelidium Gongolaria (Gongolaria baccata) | Common Naturlast was this is not sea oak    | Kench shore | 01/04/2025 |       | MED_7016 - 7019          |                                                         |  | <a href="https://species.abnatas.org/species/NHMSY0001505664">https://species.abnatas.org/species/NHMSY0001505664</a> | Y                                | 5377             | Y                      |
| Ochrophyta            | Phaeophyceae   | Tassel Weed                              |                                             | Kench shore | 05/03/2025 |       | MED_0495 - 499           | New to Solent/south coast?                              |  | <a href="https://species.abnatas.org/species/NHMSY0001505664">https://species.abnatas.org/species/NHMSY0001505664</a> | Y                                | 5377             | Y                      |
| Ochrophyta            | Phaeophyceae   | Diclyctra dichitima                      | Brown Fan Weed                              | Kench shore | 21/04/2025 |       | MED_1132 - 1137          | shallow pool                                            |  | <a href="https://species.abnatas.org/species/NHMSY0001505687">https://species.abnatas.org/species/NHMSY0001505687</a> | Y                                | 12245            | Y                      |
| Porfiera              | Demospongiae   | Amphilectus furcuro                      | Shredded Carpet Sponge                      | Kench shore | 05/03/2025 |       | 20250305_992634          | Check with AB B                                         |  | <a href="https://species.abnatas.org/species/NHMSY000041576">https://species.abnatas.org/species/NHMSY000041576</a>   | Y                                | 8404             |                        |
| Porfiera              | Demospongiae   | Suberites spp                            |                                             | Kench shore | 05/03/2025 |       |                          | Check with AB B - more work needed                      |  |                                                                                                                       |                                  |                  |                        |
| Porfiera              | Demospongiae   | Haliciona (Halicionella) furcata         |                                             | Kench shore | 05/03/2025 |       |                          | Check with AB B                                         |  | <a href="https://species.abnatas.org/species/NHMSY000079370">https://species.abnatas.org/species/NHMSY000079370</a>   | Y                                | 291              |                        |
| Porfiera              | Demospongiae   | Haliciona (Reniera) cinerea              |                                             | Kench shore | 05/03/2025 |       |                          | Image AB B                                              |  | <a href="https://species.abnatas.org/species/NHMSY000079370">https://species.abnatas.org/species/NHMSY000079370</a>   | Y                                | 401              |                        |
| Porfiera              | Demospongiae   | Haliciona (Haliciona) simulans           |                                             | Kench shore | 05/03/2025 |       |                          | Image AB B                                              |  | <a href="https://species.abnatas.org/species/NHMSY000079370">https://species.abnatas.org/species/NHMSY000079370</a>   | Y                                | 580              |                        |
| Porfiera              | Demospongiae   | Myxilla rosacea / cf. rosacea            |                                             | Kench shore | 05/03/2025 |       |                          | Image AB B                                              |  | <a href="https://species.abnatas.org/species/NHMSY0001057297">https://species.abnatas.org/species/NHMSY0001057297</a> | Y                                | 274              |                        |
| Porfiera              | Demospongiae   | Mycale cf. Cramella maculata             |                                             | Kench shore | 05/03/2025 |       |                          | check net survey                                        |  | <a href="https://species.abnatas.org/species/NHMSY0000411726">https://species.abnatas.org/species/NHMSY0000411726</a> | Y                                | 145              |                        |
| Porfiera              | Demospongiae   | Microdonta                               |                                             | Kench shore | 05/03/2025 |       |                          | check net survey                                        |  |                                                                                                                       |                                  |                  |                        |

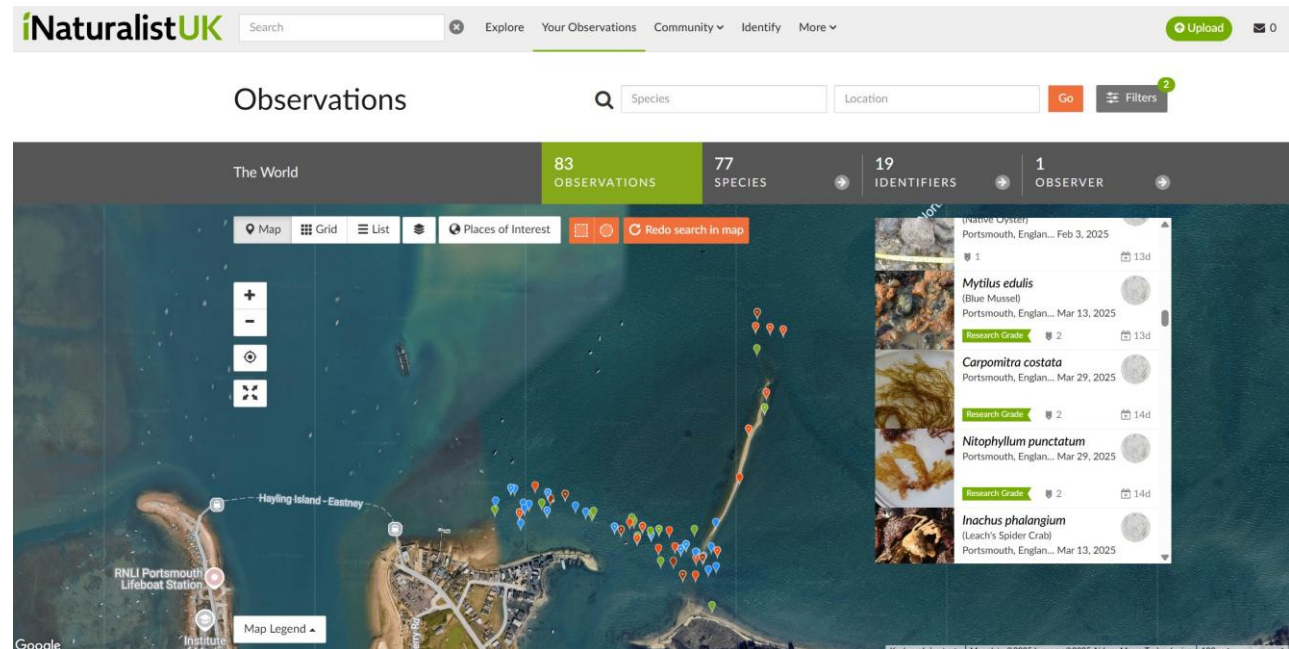
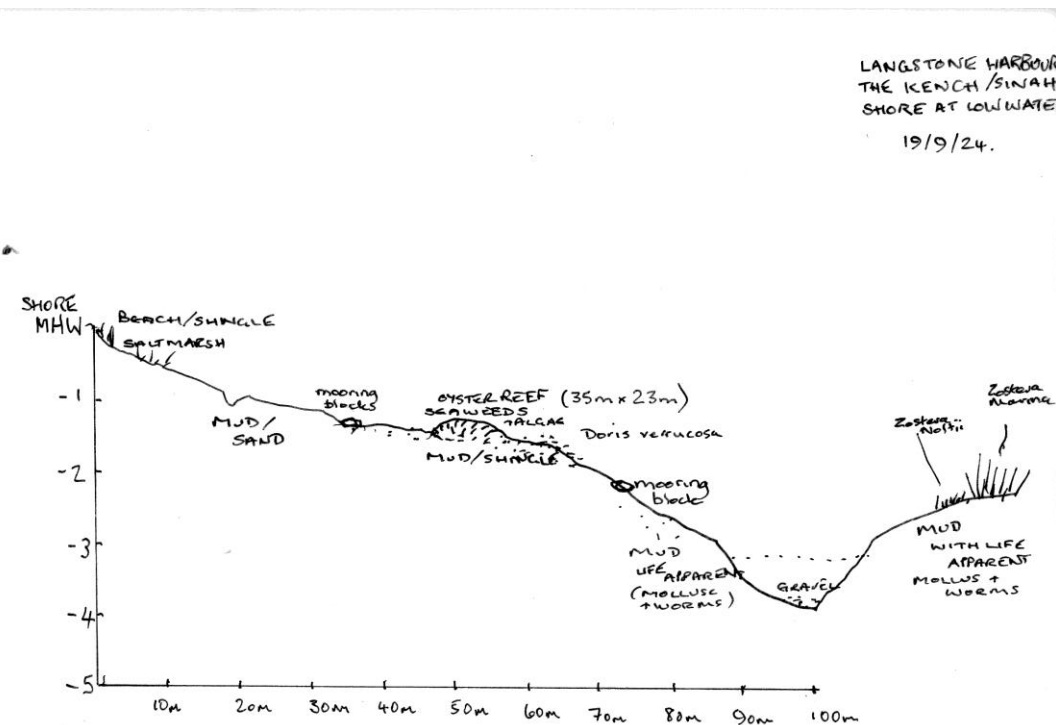
# Reporting



<https://www.seasearch.org.uk/record>

# iNaturalistUK

[https://uk.inaturalist.org/observations?place\\_id=any&user\\_id=alimayor&verifiable=any](https://uk.inaturalist.org/observations?place_id=any&user_id=alimayor&verifiable=any)



# iNaturalist Demonstration (Screenshare)

---

Easy to use, phone, camera

---

Visual

---

Links to species information

---

Peer reviewed

---

Research grade data

---

Interrogation/search

- [https://uk.inaturalist.org/observations?subview=map&user\\_id=alimayor&verifiable=any](https://uk.inaturalist.org/observations?subview=map&user_id=alimayor&verifiable=any)
- [https://uk.inaturalist.org/observations?place\\_id=176302](https://uk.inaturalist.org/observations?place_id=176302)

# Portunus – Year 1 Reflections

---

A shared community of interest in our harbours' future

Huge support, enthusiasm and interest

Lots of learning

Lots of data

Seasearch and iNaturalist reporting

Boat problem : impacted on diving programme

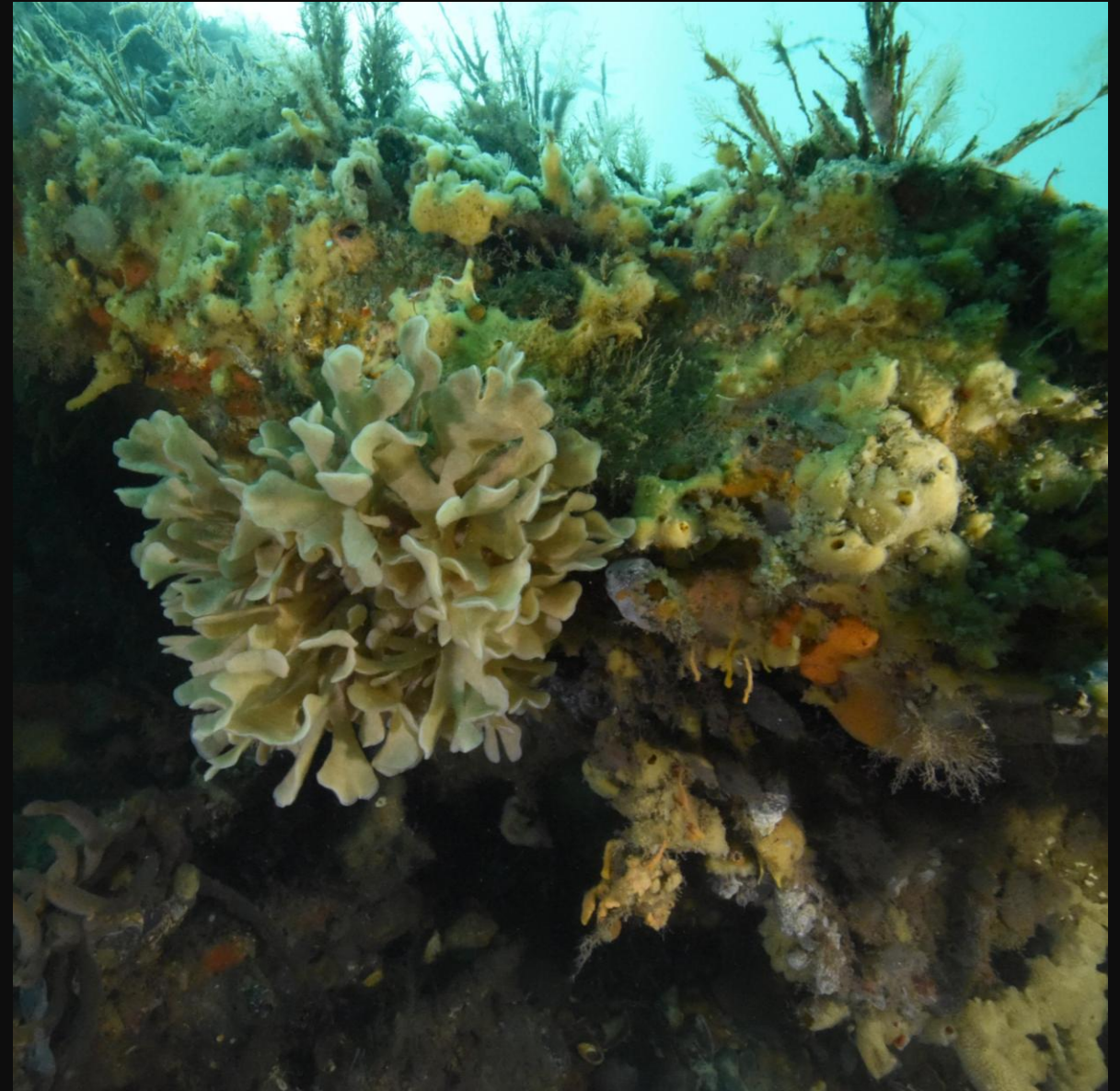
Intertidal surveys a great success - Kench

Diversity of marine life and habitats

Shortfall in marine life reporting/baseline

Impressive technology advances

---





Thriving, surviving or dying?



**Hampshire &  
Isle of Wight**  
Wildlife Trust



CHICHESTER  
HARBOUR  
CONSERVANCY



# Friends of Portunus

LANGSTONE  
HARBOUR BOARD



sea-changers



CLEAN HARBOURS  
PARTNERSHIP



Crustaceans Habitat and Sediment Movement



Nautical Archaeology



BLUE MARINE  
FOUNDATION



Marine  
Biological  
Association

Thank you

**Any Questions?**

[alisonmayor2003@yahoo.com](mailto:alisonmayor2003@yahoo.com)

Project Portunus - Discovering Our Local Harbour Marine Life  
Facebook Page

<https://www.facebook.com/profile.php?id=61571784308287>

