

# Monitoring in SEMS 2014

as reported in Annual Monitoring Response Report Question 712 et seq

| Who               | What is monitored   | Co-ordinate with   | When  | Data held by   | Future Monitoring Plans  |
|-------------------|---|--|---|--|--|
| ABP <sup>1</sup>  |   |  |   |  |  |
| BRM               |   |  |   |  |  |
| CDC               | Graylingwell Monitoring - See CHC. Shellfish bed monitoring - part of public health protection work, but gives some data on levels of bacteria in the Harbour   | Chichester Harbour Conservancy for the graylingwell monitoring. Footprint ecology hold the contract for the survey work, CDC provide the funding.  |   | CDC  |  |
| CHC               | Co-ordinate annual WeBS counts, Seabird monitoring, vegetation monitoring. All of the Sussex area of zostera was surveyed with collaboration with HIWWT and SuIFCA in 2013  | SxIFCA and HIWWT for zostera WeBS partnership for WeBS Bird Prey study with NE   |   | CHC hold most of the data, some is jointly held  |  |
| CHCo              | Ongoing annual photographic monitoring of saltmarsh in the Medina estuary.  | Working with Environment Agency on water quality project.  | Ongoing - First 5 year review due in 2015                                   | Isle of Wight Estuaries Project  | We are considering some local data gathering to identify issues associated with water quality.   |
| EBC               | Monitoring will be built into the SDMS to assess the recreational pressure. Some research has been undertaken into non-native invasive species within the SAC. This was a one off research project but has provided baseline information that could be used to monitor INNS. Safeguards are being incorporated into all developments 25m from a water course that feed into the Hamble or Itchen to endeavour to halt the spread of these species from development sites  | All Local Authtoities and other organisations who have an interest in the Solent Complex.  | Ongoing throughout the plan period  | No template yet - the project is still being formulated. PUSH steering committee is likely to hold and act on monitoring data                        |  |
| EA                | Ongoing Environmental Monitoring of chemical, biological and ecology (including fish). For fish, only monitoring in estuarine waters, not coastal   | IFCA's, Natural England, Local Authorities, Langstone Harbour Authority, Chichester Conservancy Council, CEFAS, businesses such as Marchwood Power Station and Marchwood Incinerator, Wildlife Trusts, ABP, Coastal Observatory. | Ongoing   | Environmental monitoring - Marine and Analysis and Reporting teams. Fisheries and Biodiversity teams. Includes recording info for non-native species |  |
| FBC <sup>1</sup>  |   |  |   |  |  |
| GBC               |   |  |   |  |  |
| HCC <sup>1</sup>  |   |  |   |  |  |
| HBC               |   | SDMP Project   |   |  |  |
| IoWC              | Visitor monitoring of sensitive sites is at an early stage  |  |   | Planning   |  |
| LHB               | LHB monitors (to various extents): watersports, moorings, boatings, commercial fishing, oil spill, airborne sports, navigation, slipway maintenance.  | RSPB, HIIWT, sIFCA, CHC  | All ongoing   | LHB  |  |
| LHC               | Bi-annual bathymetric surveys of river channel.   | NFDC & CCO undertake monitoring of the extent of saltmarsh habitat. LHC co-operate with NFDC to facilitate this.   | Ongoing - nexty survey due April 2014                                       | Bathymetric survey results held in electronic format. Akso forwarded to UKHO   | Subject to being granted a marine licence, LHC are planning to undertake a further beneficial use trial which will involve direct placement of sediment by barge on intertidal habitat close to the salt marsh. This will involve further bathymetric surveys being undertaken in the location of the trial. |
| MMO <sup>1</sup>  |   |  |   |  |  |
| NE                | NE undertakes an ongoing programme of monitoring of features within the Solent EMS as part of its duties to report to Europe under the Habitats Directive, as well as for our national monitoring of the component SSSIs.   | Natural England is working in partnership with the Environment Agency, SIFCA and the Hampshire & Isle of Wight Wildlife Trust.   | Ongoing   | NE Evidence Database   |  |
| NFDC <sup>1</sup> |   |  |   |  |  |
| NFNPA             |   | Solent Bird Disturbance initiative likely to include element of monitoring (?) - we are supportive of the initiative.  |   |  |  |
| PCC               |   |  |   |  | Monitoring framework as part of the Solent Disturbance and Mitigation Project  |
| PIP <sup>1</sup>  |   |  |   |  |  |
| QHMP              |   |  |   |  |  |
| RHHA              | Monthly Hydrographic surveys being undertaken by ABPMer at our request to monitor impacts of ABP Southampton's capital dredge of Southampton Water. Occuring over a period 6 months prior to the dredge through until 6 months after the end of the dredge to establish both a baseline and any significant changes in sedimentation of the Hamble as a result of the dredge. Also, real time turbidity monitoring is ongoing thoroughout this period. Monitoring is at various locations in the Hamble Estaury, within the Solent Maritime SAC & Solent & Southampton Water SPA. |  | Ongoing monitoring withing the year surrounding dredge of Southampton Water | RHHA and ABPMer/ABP  |  |
| SCC               |   |  |   |  |  |

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|-----------------|--|--|--|--|---|
| SoIFCA          | SoIFCA continues to monitor fishing activities in the Solent recording activities and catches Southern IFCA gathers and shares intelligence with multiple agencies to detect and deter criminal activity. SoIFCA gather data on small fish utilisation of the Harbours in the Solent in partnership with other agencies. SoIFCA is conducting extensive sub tidal seagrass monitoring using side scan sonar and other remotely sensed techniques. SoIFCA will commence of a programme of work to develop a management plan for the management of the collection of bait in the Solent. SoIFCA will continue a programme of work to asses all fishing activities against the conservation objectives of the European Marine Site using a Habitat Regulations Assessment approach to deliver article 6(2) determinations. SoIFCA have a programme of work to model the effects of shellfish collection on SPA features in the Solent (delivery through a PhD in Bournemouth University). SoIFCA, in partnership, continues to monitor the extent and location of seagrass in the Solent. SoIFCA, in partnership, monitors the clam population in the Solent. SoIFCA have applied for funding to conduct oyster monitoring in the Solent. SoIFCA are co-funding a Bass Survey in the Solent. SoIFCA are a partner in the Chichester Harbour Oyster Partnership Initiative which continues to gather data on the native oyster in Chichester and recommends and delivers management. | Defra. Natural England Chichester Harbour Conservancy Langstone Harbour Board CEFAS Bournemouth University Southampton University Portsmouth University Police Hampshire County Council Hampshire and the Isle of Wight Wildlife Trust | Ongoing  | SoIFCA and the identified partnerships       | The programme of work to deliver the revised approach to the management of commercial fisheries in EMS will identify additional research needs as this work progresses. |
| SWS             |  |  |  |  |   |
| SuIFCA          | Small Fish Surveys (ongoing); Monthly length-frequency and Catch Per Unit Effort surveys of oysters together with dredge contents photographs and water chemistry data collection when onboard EHO sampling surveys (ongoing); Oyster broodstock monitoring (ongoing); Grab and dredge oyster sampling to calculate dredge efficiency (completed 2013); Underwater video surveys of habitats/species (ongoing); Seagrass monitoring to map bed extents to inform EMS red risks work (2013 and support in future). Conducting a programme of work which will appropriately assess fishing activity in Chichester Harbour  | Environment Agency / Natural England / Chichester Harbour Conservancy / Hampshire and Isle of Wight Wildlife Trust / Southern IFCA / University of Southampton   | Ongoing or completed in 2013 for grab and dredge oyster sampling and for seagrass monitoring | SuIFCA and MEDIN                             |   |
| TVBC            |  |  |  |  |   |
| THLS            | Monitor Aids and General Navigation which are deployed by Trinity House and audit and inspect Local Aids to Navigation which are deployed by Local Harbour Authorities and others  |  | Ongoing  | Trinity House                                | As and when required.   |
| WSCC            |  |  |  |  |   |
| WL <sup>1</sup> |  |  |  |  |   |
| WCC             |  |  |  |  | As part of the Solent Disturbance and Mitigation Interim Planning Framework   |
| YHC             | Saltmarsh monitoring   |  | Ongoing (in place since 2004)  | Isle of Wight Estuaries Project and / or YHC |   |

<sup>1</sup> No Response to survey

<sup>2</sup> Not undertaking any monitoring in the SEMS