

**SOLENT EUROPEAN MARINE SITES**

**ANNUAL PROGRESS REPORT**

**MAY 2009**

## **Executive Summary**

The Solent European Sites (SEMS) project was set up in November 2000 with the aim of developing a strategy for managing the marine and coastal resources of the Solent. The SEMS management Scheme is concerned with promoting the sustainable use of living, working coast. This is to ensure that the valuable natural resources of the area are there for the enjoyment and prosperity of both present and future generations. European marine sites have been selected with many activities already taking place and it is recognised that these are normally compatible with the conservation interest at their current levels. It is not the aim to exclude human activities from European marine site, but rather to ensure that they are undertaken in ways that do not threaten the nature conservation interest.

Over the past five years the European Marine Sites have been monitored and the results collated into an annual monitoring report. This is the fifth annual monitoring report and will be the final one before the scheme is reviewed.

The report as highlighted that there have been a number of issues affecting the condition of the features of the sites. Recently many of the coastal SSSIs have been considered to be in an unfavourable condition due to coastal squeeze, leading to loss of habitats as well as the increase in nutrients developing huge algae blooms. Previously there have also been concerns that the number of SPA bird species including ringed plovers, brent geese, red shank and dunlin were in an unfavourable condition for each of SPA/Ramsar sites. Another key ongoing issue has been the erosion of saltmarsh at Lymington due to high energy wave action. This has led to the loss of some of the key moorings in the area and a scheme has been drawn up to introduce a rock breakwater in the outer harbour.

This report notes that several new activities now occur within the SEMS area, which will need to be incorporated into the management scheme during the forthcoming review. Any development on the current key risk activities has been updated annually according to local authority. The activities have all been kept under a watching brief for any impacts to the key risk areas and in majority of cases relevant authorities have continued to enforce appropriate management measures.

Any plans or projects that have occurred within the area are also highlighted in this report. The relevant authorities were also required to provide updates regarding activities with systems in place to ensure they are managed in line with the habitat regulations. Along side these updates a list on relevant monitoring according to features on interest has also been collated.

A review of the management scheme will now be carried out as part of the agreement with DEFRA so that the management scheme can be adapted to consider any changes in the conservation objectives for the site arising as a result of improved scientific knowledge and practical experience.

Executive Summary

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### 1.0 INTRODUCTION

The SEMS Management Scheme states that ‘As part of the monitoring process, where they have relevant information to report, each relevant authority will be expected to report back to the Management Group on their implementation of the scheme.’ To do this, relevant authorities (RAs) have completed proformas in April 2005 and February 2006 - 2009 detailing progress (where appropriate) with the SEMS Management Scheme. This report summarises this information.

It details: progress in implementation as and when appropriate; progress on the management considerations; changes in management affecting the key risk area activities; new activities which are taking place and any additional issues such as changes in the intensity or geographical extent of current activities.

This report is expected to help the Management Group respond to the results of Natural England’s (NE) condition monitoring and to determine whether Topic Groups are required to consider issues in more detail. It will also form the basis of the review to the Management Scheme in 2009/10.

### 2.0 CHANGES TO THE CONDITION OF THE FEATURES OF INTEREST IN THE SITE

#### **As at April 2005:**

The relevant authorities in the Solent completed the proformas and none with the exception of Yarmouth Harbour Commissioners, English Nature and the Environment Agency noted any changes in the condition of the site features.

**Norton Spit** - Within Yarmouth Harbour the condition of Norton Spit has changed from ‘unfavourable declining’ to ‘unfavourable improving’. This is due to the introduction of management measures to raise awareness of the site’s unique features and to allow regeneration of Marram Grass in areas prone to damage by trampling.

**Ryde Sands (Pump scoop fishing)** - English Nature assessed 10 SSSI units (Sub-units of SSSIs) within the SEMS during the 2004 calendar year, the condition of one of these units (Ryde Sands sea front) had changed since the last assessment, from favourable to unfavourable recovering. Pump scoop fishing for cockles was found to be damaging the supporting habitats (intertidal mudflats and sandflats, specifically *Zostera* beds) of Solent and Southampton Water SPA at Ryde Sands in August. This fishery ceased within the site in October following the introduction of a ministerial stop order. Although there was some deterioration in condition in August further damage has been prevented and the condition assessment for this unit is now considered to be unfavourable recovering.

It was also reported by members of the Strategic Stakeholder Group that following the cockle dredging of Ryde Sands the lugworm beds collapsed in September 2004. Pollution is suspected but the beds have subsequently recovered.

**Mud and Sand flats in the harbours (Nutrients)** - A large amount of information with the ability to inform EN’s assessment of feature condition became available during 2004 as a result of investigations carried out during the Environment Agency’s Review of Consents Process. English Nature reviewed this information in order to feed into the reporting on the condition of SAC / SPA features to Europe via JNCC in 2005/6. Of particular note was information regarding the extent and distribution of green algal mats especially within the harbours, as well as site specific information regarding the density of green algae which may

impact upon benthic invertebrates. It was thought that current assessment of the condition of some areas of intertidal mudflats and sandflats may change once this review was complete.

**SPA bird population numbers (BTO Alerts Reports)** - The Environment Agency found that evidence within long-term data sets such as the British Trust for Ornithology (BTO) reports are invaluable and will need to be given thorough consideration into the future management of the SEMS. The Agency is particularly concerned about areas that are used by the designated bird species but are outside of the designated site. The Agency is concerned that the loss of these habitats will only continue to add pressure to the ecological functioning of the site as a whole.

Example detailing extract from the BTO Alerts Report:

*'Trends have been assessed over the short-, medium-, and long-terms (5, 10 and up to 25 years respectively). Where data has been collected for less than 25 years the maximum number of years of data available are used for calculating long-term Alerts.*

***Chichester and Langstone Harbour***

High Alert: *Shelduck, Ringed Plover, Knot, Black-tailed Godwit*

Medium Alert *Cormorant, Shelduck, Oystercatcher, Ringed Plover, Knot, Sanderling, Dunlin, Black-tailed Godwit, Bar-tailed Godwit*

***Alerts summary***

*Alerts were triggered for three of the six species for which the Chichester & Langstone Harbours SPA is internationally important. The declines of Ringed Plover and, to a lesser extent, Dunlin have tended to mirror regional and national trends. The long-term decline of Black-tailed Godwit at the site has occurred despite rapidly increasing regional and national populations.*

*Alerts were also triggered for six other species for which the site is important.*

***Solent and Southampton Water***

High Alert: *Ringed Plover*

Medium Alert: *Shelduck, Grey Plover, Dunlin, Redshank.*

***Alerts summary***

*Alerts were triggered for just one of the four species for which the Solent & Southampton Water SPA is internationally important – Ringed Plover. Numbers of this species have fallen sharply in the last decade, triggering High Alerts for each of the three time periods.*

*Medium Alerts were also triggered for various time periods for four other species, for which the site is important.'*

**Saltmarsh (Coastal Squeeze)** - The Environment Agency was also aware (although not the exact quantity) that there are a number of areas that are being affected by coastal squeeze, in particular with the loss of saltmarsh habitat. Exact losses over one year could be calculated from a number of sources. This is one issue that the SEMS Management Group will need to consider in the future.

**General Condition** - The Agency completed Appropriate Assessments for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994. The method of research dissemination was to be agreed within the Agency and the EA would inform the SEMS Management Group when the information was collated in an appropriate format. Such information will help assess the current condition of the SEMS designation. As stated previously by English Nature 'whilst it is true to say that the SEMS qualified for designation against the background of current use it is also the case that sites were selected on the basis of the special interests that they support, they were not selected on the condition of those interests, or the ability of the sites to continue to support these features in a favourable condition. Indeed at the time of designation the condition of the site was not well understood either by ourselves or other relevant authorities.'

### **February 2006:**

All the relevant authorities in the Solent completed the proformas and none with the exception of English Nature, Lymington Harbour Commissioners and Yarmouth Harbour Commissioners noted any changes in the condition of the site features.

**Norton Spit** - Yarmouth Harbour Commissioners noted the condition of Norton Spit is continuing to improve. Areas of marram grass have recolonised on trampled paths and eroded holes have also been filled.

**Saltmarsh Portsmouth Harbour, SSSI at Fleetlands (Coastal Squeeze)** - English Nature noted there has been re-unitisation of part of Unit 9 of Portsmouth Harbour SSSI at Fleetlands. Part of the unit is now considered to be in unfavourable condition due to coastal squeeze, previously only unfavourable for bait digging. The great part of unit 9 is not considered to be unfavourable for either reason and is now considered to be favourable.

**Portsmouth Harbour SSSI unit 13 (ammonia leachate)** - Portsmouth Harbour SSSI unit 13 has been reassessed from favourable to unfavourable condition due to ammonia leachate from Paulsgrove Landfill site. This is due to an increased understanding of the probable pathways for the leachate as a result of information becoming available through the EA Review of the Consents Process, as opposed to any increase in the amount of leachate reaching the site. This unit is also considered to be unfavourable condition due to nutrient inputs and green algal mat growth.

**Intertidal sandflats and mudflats (Nutrients)** - English Nature has now collated the information it holds relevant to the condition of the SEMS features so far obtained during the first reporting cycle and is reviewing the information. Relevant information included that flowing from the EA Review of Consents Process. Of particular note is information regarding the extent and distribution of green algal mats especially within the harbours, as well as site specific information regarding the density of green algae which may impact upon benthic invertebrates. This task will continue at least during the first half of the next financial year 2006/07. This work will feed into the reporting on the condition of SAC / SPA features to Europe via JNCC. English Nature will update the Management Group when they have information to report. It is likely that the current assessment of the condition of some areas of intertidal mudflats and sandflats will change once this review is complete.

**Maritime SAC intertidal sediment** - English Nature is currently awaiting the final report for the Solent Maritime SAC intertidal sediment survey undertaken in 2005. Although the report has yet to be finalised the preliminary interpretation of the data generally indicates that the essential character of the sediment communities remains similar to those described in previous studies. However there is some data which may tentatively suggest a possible decline in the condition of the mudflats within Langstone Harbour, English Nature is currently considering whether to investigate this further before changing the current view of unit / feature condition. Once finalised the report will be made available to interested parties.

**Saltmarsh erosion Lymington** - Lymington Harbour Commissioners noted that saltmarsh erosion is progressing. This is an ongoing issue currently being looked at by New Forest District Council Coastal Group who will provide details.

### **February 2007**

All the relevant authorities in the Solent have completed the proformas and none with the exception of Lymington Harbour Commissioners, Natural England, Fareham Borough Council and Yarmouth Harbour Commissioners have noted any change in the condition of the site. One of the general changes which was noted at the Management Group meeting was that

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the Environment Agency's sea level predications have been amended and now predict a larger annual change. This is an important development and needs to be considered in the context of the management scheme (For further information see: Flood and Coastal Defence Appraisal Guidance FCDPAG3 Economic Appraisal. Supplementary Note to Operating Authorities – Climate Change Impacts October 2006).

**Norton Spit** - Yarmouth Harbour Commissioners - have noted a gradual improvement of the condition of Norton Spit.

Natural England have changed their view regarding the condition of some features of the SEMS. This does not relate to any major change in the actual condition of the site during the last 12 months.

### **Mudflats in the harbours (Nutrients)**

Natural England has progressed the work carried out by English Nature and the Environment Agency in relation to green algal mats. The assessment of the information, provided by the Environment Agency, is that substantial areas of mudflats in the following areas should be regarded as being in unfavourable condition due to the presence of green algal mats resulting from the discharge of nutrients in to the Solent and surrounding coastal waters. The areas in question include:

- Chichester Harbour
- Hamble Estuary
- Parts of Portsmouth Harbour
- Part of Langstone Harbour
- Part of Southampton Water
- Part of Newtown Harbour

The rationale for this is that green algal cover of over 2kg/m<sup>2</sup> has been shown in the Solent to reduce the richness and diversity of the community present in the underlying mud. These levels of green algal biomass are typically found where macro algal cover exceeds 75% of the intertidal area. NE have therefore considered the parts of the sites where substantial areas of mud (more than 10% of the mud in any individual SSSI unit, or 5% across an estuary) are affected by high levels of algal cover (75-100%) to be in unfavourable condition.

### **SPA bird population numbers**

Natural England has also progressed its assessment of SPA bird feature condition using common standards methodology. As a result the following species are identified as being in unfavourable condition for each SPA/Ramsar:

#### **Solent and Southampton Water:**

Ringed Plover	(Ryde Sands SSSI, Hythe to Calshot Marshes SSSI, North Solent SSSI)
Grey Plover	(Hythe to Calshot Marshes SSSI, North Solent SSSI)
Dunlin	(Lee-on-Solent to Itchen Estuary SSSI, North Solent SSSI)
Redshank	(Lee-on-Solent to Itchen Estuary SSSI)

#### **Portsmouth Harbour**

Brent Geese

#### **Chichester & Langstone Harbours:**

##### **Over wintering wildfowl assemblage**

Brent Geese	(Chichester Harbour SSSI, Langstone Harbour SSSI)
Shelduck	(Chichester Harbour SSSI, Langstone Harbour SSSI)
Sanderling	(Chichester Harbour SSSI)

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Dunlin	(Chichester Harbour SSSI, Langstone Harbour SSSI )
Ringed Plover	(Chichester Harbour SSSI,
Black Tailed Godwit	(Langstone Harbour SSSI )
Bar Tailed Godwit	(Langstone Harbour SSSI )
Sandwich Tern	(Chichester Harbour SSSI)

N.B. Population declines were assessed firstly at SPA level and then at individual SSSIs where they are notified features **only** if a decline was detected across the SPA. Baseline period taken as the 5 years prior to SPA classification in each case.

Unfortunately, at the time of writing, work to update our Ensis database (linked to our website) in order to make the above information on condition widely accessible and link it to the NE 'remedies programme' has yet to be progressed due to staffing and other issues related to their recent reorganisation.

**Subtidal Sediments within the SAC** - Early in 2006 English Nature commissioned Emu Ltd to undertake a survey of the subtidal sediments with the SAC, including the subtidal sandbank SAC feature. This survey was completed in late summer, It used a mixture of sidescan sonar, drop-down video, and grab and naturalist dredge sampling. It maps the extent of sediment 'biotopes' within the SAC. This survey will act as the 'baseline' for future assessments of these features. The report highlights the pervasiveness of the American slipper limpet *Crepidula fornicata* in the Solent ecosystem and highlights this as a concern with respect to feature condition. Copies of the final report will be available at the SEMS MG meeting in May and to the SSG via the Solent Forum website.

**Saltmarsh erosion Lymington** - Erosion of the saltmarsh edges facing the Solent progresses due to sea level rise and high energy wave/current action. Winter storms (October 06 to Feb 07) have been frequent and severe in nature. Up to 10 feet of salt marsh has been recorded as lost during a single storm. New Forest District Council Coastal Group's latest projections for the salt marsh habitat surrounding the Lymington Estuary are that it will have disappeared within the next 15 to 20 years.

The erosion of the saltmarsh is exposing the harbour to the open waters of the Solent more and more each year. To combat this Lymington Harbour Commissioners is working up a scheme to introduce rock breakwaters on the outer harbour as the salt marsh recedes. As well as protecting the harbour this will also provide a protected sheltered low energy environment behind the breakwater. This will protect the remaining saltmarsh habitat that will otherwise be lost. The sheltered saltmarsh in the lee of Hurst Shingle Bank is a good example of how salt marsh protected from the worst of the wave/tide action has not suffered the same erosion rates as exposed marsh. LHC is in the process of undertaking an EIA into its proposals and has been consulting NE, EA and NFDC.

**Mudflats Fareham Creek (bait digging)** - Fareham Borough Council have noted damage by bait digging and large scale disturbance of mud at Fareham Creek.

### **Other matters:**

Work to update NE's understanding of feature condition with respect to other threats to site condition, in particular coastal squeeze and discharges affecting water quality (other than nutrient status) has been on hold over the past year as has the rolling programme of SSSI condition assessments based on site visits.

### **February 2008.**

Most of the relevant authorities in the Solent have completed the proformas and none with the exception of Lymington Harbour Commissioners and Natural England have noted any change in the condition of the site.

### **Coastal squeeze**

In the light of new information\*, Natural England have reassessed the unit condition of coastal SSSIs particularly regarding intertidal mud and saltmarsh. Many of the intertidal SSSI units are subject to coastal squeeze, and in some areas of the Solent and Chichester Harbour, eutrophication is also leading to unfavourable conditions (they have only considered units where > 10% of the habitat is classed as intertidal). As a result Natural England have identified that an additional 5500 ha will 'turn' from favourable to unfavourable. The majority of these assessments have been updated on Natural England's ENSIS system.

(\* e.g. Analysis within the 2007 CCO Solent Dynamic Coast Project report, EA review of consents assessments)

### **Nutrients**

Natural England have further progressed work carried out by English Nature and the Environment Agency on the assessment of conditions in relation to green algal mats, Natural England have 'turned' 2936 ha to unfavourable condition on the basis of the rationale previously stated in 2007.

Remedies to address the unfavourable condition of these units, will be identified with an organisation linked to being responsible for the remedy - which in many cases is likely to be the Environment Agency, as well as Natural England.

Natural England will be working closely with the Environment Agency, with the aim of agreeing these remedies by March 2008, and getting them 'underway' to return the SSSIs to favourable condition as soon as possible. It is important to stress that SSSI unit assessment is an ongoing process, and in light of agreeing actions to remedy the unfavourable SSSI condition, new information, or revised condition assessment guidance, the recorded condition of SSSI units may fluctuate.

### **Saltmarsh erosion Lymington**

As previously reported in 2007, erosion of the saltmarsh edges facing the Solent has progressed due to sea level rise and high energy wave/current action. The latest projections from New Forest District Council Coastal Group indicate that like elsewhere on the North Solent the saltmarsh habitat surrounding the Lymington Estuary will continue to experience erosion and dieback until it is lost within the next 20 years. It is expected that part of the saltmarsh will convert to intertidal habitat over this period and part will be lost to sub-tidal.

The erosion occurring along the saltmarsh is increasing the exposure of the harbour to the open waters of the Solent. If no action is taken, this will render much of the harbour becoming untenable for moorings due to exposure. To combat this Lymington Harbour Commissioners (LHC) has worked up a scheme to introduce rock breakwaters on the outer harbour as the saltmarsh recedes. LHC has completed its EIA and information to support an Appropriate Assessment statement and plans to lodge its application for consents in April 2008.

### **Other Matters.**

In addition to site visits and the assessment of SSSI unit condition (referred to above) Natural England is instigating a wider review of the information it holds relevant to the condition of SEMS features. This will include both the information collected on contract to English Nature

such as the CASI survey of the SEMS, information collected by the EA through their review of consents and information from other bodies such as the WEBS partners. Due to the large amount of relevant information this task is taking longer than originally envisaged, NE hope to be in a position to report upon their findings later this year.

New Forest District Council has now completed an agreement to lease land at Stuart Pond Milford to HCC to improve the management regime of this area.

### **February 2009**

Majority of the relevant authorities in the Solent have completed the proformas and none with the exception of Lymington Harbour Commissioners and Natural England have noted any change in the condition of the site.

### **Condition of SSSIs**

The major issues for coastal units are still diffuse pollution and coastal squeeze and remedies are being put in place. The other key reason for unfavourable condition is public access/disturbance. The Common Standard Monitoring requirements for SPAs are based upon bird population and extent and do not include specific disturbance surveys. During the site assessments that are normally undertaken (every 6 years) for SSSIs the records of disturbance will have been noted done if seen

By the end of the year we expect 446 ha suffering from diffuse pollution will be remedied this year through the Dows and Harbour Clean Water Partnership. This project (formally named South Downs & Harbours Diffuse Pollution Partnership) was set-up by Natural England, Portsmouth Water & the Environment Agency to tackle the problems of rising nutrient levels (notably nitrates) in ground, surface and coastal waters which have become a significant problem to the health of some important parts of the South East's coastline. The project is following the Catchment Sensitive Farming (CSF) model and is covering an area that was missed off the CSF priority catchment list.

It is also important to stress that SSSI unit assessment is an ongoing process, and in light of agreeing action to remedy the unfavourable SSSI condition, new information, or revised condition assessment guidance, the recorded condition of SSSI units may fluctuate.

### **Saltmarsh Erosion at Lymington.**

As reported in previous years erosion of the saltmarsh edges facing the Solent has progressed due to sea level rise and high-energy wave/ current action. Current estimates are that 6HA per annum are being lost. NFDC coastal group latest projections for the salt marsh habitat surrounding the Lymington Estuary is that like elsewhere on the North Solent shoreline erosion and dieback of the salt mash will continue until it is lost within the next 20 years. It is expected that part of the salt marsh will convert to intertidal habitat over this period and part will be lost to sub-tidal.

It has also been reported previously that erosion occurring along the saltmarsh is increasing the exposure of the harbour to the open waters of the Solent. This will render much of the harbour becoming unobtainable for moorings due to exposure. A scheme worked up by Lymington Harbour Commissioners (LHC) to introduce rock breakwaters on the outer harbour as the saltmarsh recedes has received consents following an Appropriate Assessment. Phase 1 of the work is likely to commence in 2009/10.

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### 3.0 NEW ACTIVITIES (NOT COVERED IN THE MANAGEMENT SCHEME) NOW OCCURRING

Yr	Applicable Sector	New Activity	Relevant Management Consideration	Responsibility
2005	Dredging	Water injection dredging - this is being used more frequently within the site including in the Medina, off Fawley, Portsmouth Harbour and Langstone. At present this has no specific consenting mechanism in place.	Wait for further guidance before determining whether any further assessment is required in relation to dredging issues.	All RA with responsibility for activity.
2005	Fishing	Cockle pump scoop dredging – due to the market demand for cockles in 2004, areas within SEMS have been exploited. These areas have been identified as Hill Head and Ryde Sands. The method used to remove the cockles (A pump scoop dredge) was thought to be causing damage to the eelgrass ( <i>Zostera; species</i> ) off Ryde Sands. As a result DEFRA introduced the Solent European Marine Site (Prohibition of Method of Dredging) Order 2004 (SI 2696/2004) which came into force on 21 October 2004 to prevent the use of pump scoop dredgers removing shellfish within SPAs of the SEMS. The fishery continues off Hillhead outside of the SEMS.	Keep a watching brief on the impacts of fishing in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity
2005	Land-based recreation	Land yachting - land yachting has been reported on flat land at Port Solent, Portsmouth City Council are planning to erect signs to discourage the activity.	Keep a watching brief on the impacts of land-based recreation in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity
2005	Land-based recreation	Private Hovercraft Use – English Nature is aware that some limited use of a private hovercraft occurred on Ryde Sands in 2004. It has also been noted over and close to intertidal mudflats at Weston Shore, Southampton, during the winter period.	Keep a watching brief on the impacts of land-based recreation in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity

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<b>Yr</b>	<b>Applicable Sector</b>	<b>New Activity</b>	<b>Relevant Management Consideration</b>	<b>Responsibility</b>
2005	Plan or project	Managed realignment (strictly a plan or project) – has occurred at a small site on the Isle of Wight near Gurnard and in Chichester Harbour.	Plan or project management measures	All RAs and CAs with responsibility for activity
2005	Water-based recreation: boat repair and maintenance	Mobile boat scrubbers - the use of these is becoming more prevalent within the Solent.	<p>Keep a watching brief on the impacts of other water sports in key risk area</p> <p>EA setting up research projects in order to monitor the effects of wash down facilities in order to determine the percentage contribution to the background levels of copper and irgarol within the Solent – not implemented</p>	<p>All RA with responsibility for activity</p> <p>EA</p>
2005	Water-based recreation: other water sports	Jet boards - these are now being used within the site, especially within the estuary of the River Itchen.	<p>Keep a watching brief on the impacts of other water sports in key risk area</p> <p>RA to continue to enforce current management measures</p>	All RA with responsibility for activity

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<b>Yr</b>	<b>Applicable Sector</b>	<b>New Activity</b>	<b>Relevant Management Consideration</b>	<b>Responsibility</b>
2006	Access: Educational/ scientific study and research	Education – English Nature is aware of a proposal to undertake educational marine safaris within the SEMS from Cowes using drop down video technology.	Keep a watching brief on the impacts of educational and scientific study in key risk areas	All RA with responsibility for activity
2006	Access: Land-based recreation	Model Aircraft – English Nature perceives that there may have been an increase in the flying of model aircraft on the east side of Hayling Island near Gutner.	Keep a watching brief on the impacts of land-based recreation in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity
2006	Bait collection	Peat digging – Hampshire County Council is aware of an occasional issue with the digging of ‘Sea Peat’ from the offshore areas between Keyhaven and Pennington. It is thought that it is used as a medium for keeping bait alive. It seems to be a bit of a grey area with regards its legality. The digging does cause some disturbance but probably no more than other activities (bait digging, wildfowling etc).	Voluntary code of conduct leaflet produced and circulated Keep a watching brief on the impacts of bait collection in key risk areas	All RA with a responsibility for activity.
2006	Fishing: shellfisheries	Mussels – There is a possible proposal to lay mussels on the western side of Langstone Harbour close to Salterns Quay. The exact consenting mechanism has yet to be finally determined however English Nature anticipate that this will be a Plan or Project either through an application for a Several Order or because English Nature consent will be required.	Keep a watching brief on the impacts of shellfisheries in key risk areas RA to continue to enforce current management measures	All RA with a responsibility for activity

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<b>Yr</b>	<b>Applicable Sector</b>	<b>New Activity</b>	<b>Relevant Management Consideration</b>	<b>Responsibility</b>
2006	Land-based recreation	Private Hover Craft – English Nature is aware that private hover craft have been used within Newtown Creek, Isle of Wight during the sensitive over wintering period.	Keep a watching brief on the impacts of land-based recreation in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity
2006	Water based recreation: Other water sports	Kite surfing – Increase in all activities such as kite surfing, boarding etc at Hill Head.	Keep a watching brief on the impacts of land-based recreation in key risk area RA to continue to enforce current management measures	All RA with responsibility for activity
2006	Water based recreation: Recreational boating (racing)	Competitive Sports – There have been several proposals for competitive sports events within the Beaulieu River – including swimming events for Triathlons, canoe / kayak events and dingy sailing which may be regarded as ‘new’ on the scale and location proposed. English Nature is working with Beaulieu Estate and other parties regarding these matters. Again it is likely that English Nature consent will be required for these organised events with the potential to damage or disturb sensitive areas / species, therefore they would be plan or projects rather than ‘activities’ to be considered through the Management Scheme.	Keep a watching brief on the impacts of recreational sailing in key risk areas RA to continue to enforce current management measure such as existing speed limits.	All RA with responsibility for activity
2007	Fishing: shellfisheries	LHB – Seed mussels were laid in the intertidal zone between Milton Lake and Salterns Lake on the west side of the harbour during summer 2006. It is anticipated that the shellfishery will reach maturity in 2008.	Keep a watching brief on the impacts of shellfisheries in key risk areas RA to continue to enforce current management measures	All RA with a responsibility for activity

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2008	Airborne sports	Model Aircraft at Verner Common, eastern side of Hayling Island.	Keep a watching brief on the impacts of a airborne sports in key risk areas. RA to continue to enforce current management measures	All RA with a responsibility for activity
2008	Airborne sports	Brownwich Cliffs are becoming a regular site for (low-key) paragliding, including the recent addition of paragliding with powered back-packs.	Keep a watching brief on the impacts of a airborne sports in key risk areas. RA to continue to enforce current management measures	All RA with a responsibility for activity
2008	Land Access/ land based recreation	Increasing level of disturbance of the main warden roost site at Bunny Meadows by photographers – a new phenomena at the site (new signage installed in Feb 08 to further discourage access off of the footpath).	Keep a watching brief on the impacts of land-based recreation in key risk area. RA to continue to enforce current management measures	All RA with a responsibility for activity
2008	Airborne recreation.	Perceived increase in use of stunt kites on the beach/ foreshore at Hook with Warsash LNR with potential to disturb breeding and wintering birds on intertidal and grass-land habitats.	Keep a watching brief on the impacts of a airborne sports in key risk areas. RA to continue to enforce current management measures	All RA with a responsibility for activity
2008	Water based recreation	Sporadic kite surfing at Keyhaven, monitoring to assess if this is likely to be sustained. Bye law options are being considered.	Keep a watching brief on the impacts of water based recreation in key risk areas RA to continue to enforce current management	All RA with a responsibility for activity

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			measures	
2008	Land based recreation	Note – the mountain biking referred to in 2007 report at Barton has ceased.	Keep a watching brief on the impacts of land-based recreation in key risk area. RA to continue to enforce current management measures	All RA with a responsibility for activity
2009	Water based recreation	Representations are being made by the Hovercraft Club GB for recreational access in Langstone and Chichester Harbours.	Keep a watching brief on the impacts of water based recreation in key risk areas RA to continue to enforce current management measures	All RA with a responsibility for activity
2009	Water based recreation	In Emsworth Channel there is a privately managed fisheries within which there is a claim to the removal of oyster outside of the terms of the public fishery. Under the terms of a lease with a private landowner these rights are leased to a group of fishermen. The SFC has observed fishing activity prior to the commencement of the public fishery (1 <sup>st</sup> November) in this area. The regulation of this fishery is therefore potentially outside of the EMS management framework.	Keep a watching brief on the impacts of water based recreation in key risk areas RA to continue to enforce current management measures	All RA with a responsibility for activity
2009	Water based recreation	As reported last year, sporadic kite surfing at Keyhaven has been monitored and is still intermittent. Agencies maintaining contact with a view to assessing if formal management arrangements are needed.	Keep a watching brief on the impacts of water based recreation in key risk areas RA to continue to enforce current management measures	All RA with a responsibility for activity
2009	Water based activity	Larger ferries at Lymington	Keep a watching brief on the impacts of water based recreation in key	All RA with a responsibility for activity

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			risk areas RA to continue to enforce current management measures	
2009	Land based recreation	Number of incidents involving light air crafts and helicopters – some serious, which have been reported to CAA. This included 5 – 10 minutes of low flying around the harbour and some stunts.	Keep a watching brief on the impacts of land-based recreation in key risk area. RA to continue to enforce current management measures	All RA with a responsibility for activity
2009	Land based activity	Clam dredging in Portsmouth Harbour in more sensitive locations.	Keep a watching brief on the impacts of land-based recreation in key risk area. RA to continue to enforce current management measures	All RA with a responsibility for activity

### 4.0 PROGRESS WITH MANAGEMENT CONSIDERATIONS (February 2008)

#### 4.1 KEY RISK ACTIVITIES

The Management Scheme, through the assessment of the activity inventories, identified activities, which were seen as 'key risk'. The progress with management of these activities by the relevant authorities is detailed below. Information is given on new and additional management or monitoring effort and assumes that current management and monitoring measures as detailed in the Management Scheme are ongoing. Further details on key areas at risk from the activities detailed below are available in appendix 2 of the Management Scheme document.

##### 4.1.1 Access

###### (a) Land and water access

The management considerations for this activity are:

- *Keep a watching brief on the impacts of access in key risk areas;*
  - *Relevant authorities to continue to enforce current management measures.*
- 
- Gosport Borough Council – New dog controls order came into power on the 1st April 2009.
  - Southampton City Council – Continued concerns regarding wader numbers using Weston Shore. Anecdotal evidence suggests waders have moved westwards along the shore away from the car park area.
  - Portsmouth City Council – Langstone Harbour Coastal path – land allocated to form an extension around Eastney Lake. Formal footpath will help reduce the disruption to wintering wildfowl from ramblers.
  - Pagham Harbour – Are in the process of initial stages of a new visitor centre.
  - Natural England – Welcome the Draft Marine and Coastal Access Bill being published. NE have been providing evidence as necessary as the Bill passes through Parliamentary scrutiny. The NE coastal team are working to ensure that the coastal route will safeguard land management, public safety and nature conservation.

###### (b) Airborne sports

The management considerations for this activity are:

- *Keep a watching brief on the impacts of airborne sports in key risk areas.*
- 2009
- Fareham Borough Council – Informal zone for kite surfing at Salterns.

###### (c) Angling

The management considerations for this activity are:

- *Keep a watching brief on the impacts of angling in key risk areas.*

###### (d) Educational/scientific study and research

The management considerations for this activity are:

- *Keep a watching brief on the impacts of educational and scientific study in key risk areas.*

###### (e) Land-based recreation

The management considerations for this activity are:

- *Keep a watching brief on the impacts of land based recreation in key risk areas;*
- *Relevant authorities to continue to enforce current management measures.*

## Solent European Marine Sites

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- Gosport Borough Council – New dog controls order came into power on the 1st April 2009.
- Portsmouth City Council – The impact of new development on the recreational disturbance of Portsmouth's internationally designated sites are being assessed and if necessary mitigated through the HRA process.
- Pagham Harbour – Revised version of byelaw planned and is currently with DEFRA for consideration.
- Chichester Harbour Commission – Involvement in Solent Disturbance and Mitigation Project.

### Summary

April 05: Most of the activities are being managed by current management measures with a number of new plans being drafted and policies being implemented. With regard to the new activity of land yachting Portsmouth City Council are aware of this and are acting to discourage the activity by erecting signs. Kite-surfing has been increasing along Hayling Island and on the Isle of Wight. Havant Borough Council are monitoring for impact on the site and a code of conduct is being discussed for the Isle of Wight. Some RAs are also carrying out informal monitoring on the impacts of activities on the site.

February 06: Current management measures enforced where necessary and monitoring is carried out as part of everyday management regulations through academic research and ongoing assessment. No significant impacts were noted from access pressures or increases in activities. However, observations were recorded at Weston Shore of a decrease in wader numbers which may possibly be linked to access disturbance but it is too early to establish the cause/effect.

February 07: As in previous years current management measures are being enforced and monitoring is being carried out as part of everyday management activities by the RAs. Where necessary, like Norton Spit, additional management and monitoring measures are being used to improve the condition of features of the site. Again SCC have commented on the decrease on wader numbers at Weston Shore but further work is needed to assess the cause of the decline.

February 08: Current management measures are being enforced and monitoring is occurring during everyday management of the sites. An extension of the current access path has been proposed to Eastney Lake with the aim to reduce the disruption of ramblers to wintering wildfowl. The draft Marine Bill was released and introduces possible new powers to Natural England to implement improved public access to the English Coastline. This will be implemented if and when the Bill is passed by Parliament. Issues still remain regarding the observations that the numbers of waders are decreasing around Weston Shore.

February 09: Current management measures are being enforced and monitoring is occurring during everyday management of the sites. There are on going measures from previous years to limit disruption to waders from recreational activities. New dog control orders are in place in Gosport and byelaws in Pagham Harbour are due to be revised. The Solent Disturbance and Mitigation Project run by the Solent Forum's Nature Conservation Group are exploring potential impacts from recreation to features of the European Marine Sites. Phase 2 of this project is currently looking at impacts to SPA bird species.

### 4.1.2 Bait Collection

The management considerations for this activity are:

- *Voluntary code of conduct leaflet produced and circulated;*
- *Keep a watching brief on the impacts of bait collection in key risk areas;*

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- *Monitor success of the code of conduct and review if necessary.*
- Southampton City Council - Bait collecting continues within designated sites, particularly at Chessel Bay and Weston Shore.
- QHM – No further complaints about bait collection at Fareham Creek.
- Pagham harbour – In discussion with Portsmouth University over a study of the impact of bait collection within the harbour and the effectiveness of the permit system. Partial funding sought. Permit conditions revised in April and are due to take effect from April 2009.
- Fareham Borough Council – SNCO signs to be replaced in Fareham Creek. NE considering reviewing limit on bait collected by defining personal use.
- Natural England – Have been in discussion with various interested parties including FBC, Wildlife Crime Officers, Solent Bait Diggers Association and Angling Trust on the issues associated with implementing a byelaw to regulate levels of bait-digging. New signs are in place at Fareham Creek but have already been subjected to vandalism. Working with the SEMS Bait Digging Topic Group to address the issue across the Solent.

### Summary

April 05: The Bait Digging Code was produced by the bait digging topic group and has been distributed to tackle shops, visitor centres etc and circulated by numerous organisations. The Solent Forum are currently coordinating projects, on behalf of the management group, which are looking at the success of the code, these are due to report in June 2005.

February 06: In certain areas the Bait Digging Code has successfully educated those seeking to collect for private use. However, bait digging activity has increased in areas such as Fareham Creek and River Hamble and problems have occurred due to increasing number of commercial collectors. Due to limited powers of enforcement by the local authority the police have been involved at Fareham Creek.

February 07: As with the previous year bait digging activity continues to increase in the Fareham Creek and River Hamble areas. These areas are now seeing degradation. It is suspected that some of this collection is commercial and the code is of little use with these bait diggers. Work has been done by the Solent harbour authorities to identify the sites where bait digging is occurring. This information will be collated for discussion at the SSG and MG meetings.

February 08: As in previous years bait collection is occurring at a number of sites. In many areas it is suspected that commercial digging is occurring and those taking part in the activity do not seem to be using the published bait collector code. Possible byelaw measures have been investigated with interested parties including Fareham Constabulary in order to try to regulate the levels of bait digging in the Fareham Creek area.

February 09: Issues linked with bait collection are ongoing from previous years. Fewer complaints linked with Fareham Creek however NE and FBC have been working hard to resolve key issues in this area linked with commercial bait collection. Pagham Harbour are in discussion with Portsmouth University over a study investigating the impacts of bait collection within the harbour and the effectiveness of a permit system. Bait Collection Topic Group reconvened to discuss options for the Solent area.

### 4.1.3 Commercial Shipping

The management considerations for this activity are:

- *Harbour Authorities to continue to enforce current management and safety measures;*
- *Keep a watching brief on the impacts of commercial shipping in key risk areas.*

- Lymington Harbour Commissioner – have requested (do not have power to prohibit) Wightlink not to operate until they have concluded an agreed mitigation strategy with NE. Wightlink have not co-operated with this request but it is understood that they are continuing to discuss mitigation strategies with NE.

### Summary

April 05: Current management measures are being enforced and where necessary changes have been adopted according to the precautionary principle.

February 06: Management measures and monitoring continues to ensure appropriate environmental considerations are taken into account.

February 07: In general management measures and monitoring continues to ensure appropriate environmental considerations are taken into account. Where risk has been identified the appropriate RAs have been working together to look at ways of reduce this risk.

February 08: Management measure and monitoring remain in place to ensure appropriate environmental considerations are taken into account. These measures will also apply to the new larger ferries on the Lymington to Yarmouth Route.

February 09: Management measures and monitoring remain in place to ensure appropriate environmental considerations are taken into account. Wightlink are in ongoing discussions with Natural England regarding mitigation strategies.

### 4.1.4 Dredging

The management considerations for this activity are:

- *Wait for further guidance before determining whether any further assessment is required in relation to dredging issues.*
- Cowes Harbour Commission – working with partners in the Estuaries project to try and resolve issues associated with beneficial use of dredged materials and hydrodynamic dredging techniques in the Medina Estuary. Apparent conflict between requirements for Habitat Directive and Water Framework Directive still to be resolved.
- Chichester Harbour Conservancy – Baseline document for dredging protocol commenced. Standardised dive methodology developed for pre and post disposal at Treloar Hole beneficial disposal site. This will also form part of the baseline document.
- RHHA – Will be adopting Maintenance Dredging Protocol and currently updating the Hamble Estuary Maintenance Dredging Plan.
- Fareham Borough Council – Beach recharge at Hill Head from harbour dredging. Gravel placement at Cams Bay, on coast protection (gravel from Gosport extraction) to continue after April 2009.

### Summary

April 05: The Maintenance Dredging Protocol has not been published. In the interim the Isle of Wight estuaries are developing a sustainable dredging strategy and Chichester Harbour and Langstone Harbour have looked at the possibility of using other more sustainable dredging methods. A new method of dredging called water injecting dredging has started to be used in areas within the SEMS. At present there is no consenting mechanism in place for this activity.

February 06: The Maintenance Dredging Protocol has still not been published. Research is ongoing into developing more sustainable dredging practices, particularly in the Isle of Wight where small scale experiments in foreshore recharge may take place in full.

February 07: The Harbours continue with their maintenance dredging regimes, looking at sustainable practices while awaiting the outcomes from the maintenance dredging protocol. In suitable locations beneficial disposal is being carried out. A capital dredge is being planned for strategic areas in Southampton Water.

February 08: Maintenance dredging is still ongoing with beneficial dredge occurring in Chichester Harbour. The maintenance dredging protocol has now been completed and work will start on this in the coming year. There is continued involvement of Natural England in order to limit the impacts of the dredges.

February 09: Work has begun in many harbours towards adopting the Maintenance Dredging Protocol. Work also ongoing to look at beneficial use of dredge material linked with ABPs capital dredge proposed in the next few years. EA leading on scoping out possible uses for this material.

### 4.1.5 Fishing

#### (a) Fishing

The management considerations for this activity are:

- *Keep a watching brief on the impacts of fishing in key risk areas;*
  - *RA to continue to enforce current management measures.*
- Sussex SFC – Continued surveillance effort and information collected to update fishing activity databases (historical information can now be viewed on the web – [www.sussex-sfc.gov.uk/documents/Sussex%20inshore%20fisheries.pdf](http://www.sussex-sfc.gov.uk/documents/Sussex%20inshore%20fisheries.pdf)). Also continued to inspect and enforce their byelaws within the EMS.
  - Pagham Harbour – New permit conditions to be introduced in April 2009.

#### (b) Shellfisheries

The management considerations for this activity are:

- *Keep a watching brief on the impacts of shellfisheries in key risk areas;*
  - *RA to continue to enforce current management measures.*
- Eastleigh Borough Council – EBC not sure if reports received last year of large groups (c.20 individuals) handpicking shellfish around Hamble Point is still on going.
  - Sussex Sea Fisheries Committee – Continued surveillance effort and information collected to update fishing activity databases (historical information can now be viewed on the web – [www.sussex-sfc.gov.uk/documents/Sussex%20inshore%20fisheries.pdf](http://www.sussex-sfc.gov.uk/documents/Sussex%20inshore%20fisheries.pdf)). Also continued to inspect and enforce their byelaws with the EMS and has been necessary in one instance to instigate formal proceedings. They have recommended that in the medium-term there should be greater parity with the wider Solent regulatory framework and that the creation of the IFCA Districts may provide a mechanism through which to develop this recommendation. At a recent annuals meeting of the Chichester Oyster group there was concern over the size of the oysters being landed and also about the increase in the prevalence especially within Chichester Harbour of ‘sting winkle’, which are predator to oysters.
  - QHM – There have been a number of complaints about the damage being done to the seabed within Portsmouth Harbour by fishing boats trawling for clams. The MFA have been involved in discussions and NE are investigating a possible solution.
  - Southern Sea Fisheries – Population of the non-native clam species *Tapes-philippinarum* have established in Portsmouth and anecdotally Langstone Harbours. These populations are fished using towed dredges. SFC do not licence this fishery therefore it is not a requirement to carry out an appropriate assessment (AA). An AA of the Solent Regulated Oyster Fishery was carried out in September 2008 prior to the fishery opening in

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November 2008. Southern SFC sold 34 Oyster licenses from the 2008/09 season. Public oyster beds were closed from 1<sup>st</sup> March – 31<sup>st</sup> October 2008.

- Fareham Borough Council – Reports of clam trawling in Fareham Creek/Lake and Portsmouth Harbour damaging the SSSI. Amendments been made to Southern Sea Fisheries Commission Byelaws to exclude clam trawling at night.
- Natural England – Held a meeting with the fishermen, SFC and QHM and MFA to identify measures to ensure damage does not occur to sensitive features in Portsmouth Harbour. NE aware that new measures/ amendments are likely to be needed in relation to Portsmouth Harbour clam dredging which may have to be rolled out across the Solent if damaging activities move to other areas.

### Summary

April 05: The Sea Fisheries Committees continue to monitor fishing and shell fishing activity. The increase in the collection of cockles in the Solent EMS by the pump scoop dredging method lead to Defra introducing the Solent European Marine Site (Prohibition of Method of Dredging) Order 2004 to prevent the use of pump scoop dredgers removing shellfish within SPAs of the SEMS.

February 06: EBC noted handpicking of shellfish around Hamble Point and of small fishing boats working in the area. Although noted as low impact this also included occasional commercial collection of cockles. Elsewhere no observable impacts or changes in patterns and intensity of fishing. The Sea Fisheries Committees continue regular monitoring of fishing activity and in Sussex they have established an annual liaison meeting with shellfish fishermen, which may flag up further issues.

February 07: Handpicking of shellfish around Hamble point continues with no enforcement measures in place. Management and Action plans have been produced for Shellfish Harvesting Waters detailing how to deal with pollution events. The Sea Fisheries Committee continue with regular monitoring of fishing activity.

February 08: Both Sea Fisheries Committee have continued regular monitoring of fishing activities with a database of fishing vessel activity being updated. There has been heavy fishing of the new population of non-native clam species, but they fall outside of the Solent Regulated Fishery. There is still no enforcement measures in place to deal with the handpicking of shellfish at Hamble Point.

February 09: Natural England are involved in discussions with the MFA after several complaints over damage being done to the seabed within Portsmouth Harbour by fishing boats trawling for clams. Currently the situation is being monitored. In the future, need to keep in mind creation of the Inshore Fisheries and Conservation Authorities (IFCAs), which might assist with the recommendations by the Sussex Sea fisheries committee that in the medium-term there should be greater parity with the wider Solent regulatory framework. Some concerns in the area regarding the size of the oysters being landed and the increase in the presence of ‘sting winkle’ especially in Chichester, which are a predator to oysters.

### 4.1.6 Water Based Recreation

#### (a) Anchoring

The management considerations for this activity are:

- *Keep a watching brief on the impacts of anchoring in key risk areas;*
- *RA to continue to enforce current management measures.*

#### (b) Boat repair and maintenance

The management considerations for this activity are:

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- *Keep a watching brief on the impacts of boat repair and maintenance in key risk areas;*
  - *The EA are in the process of considering setting up a research project in order to monitor the effects of wash down facilities in order to determine the percentage contribution to the background levels of both copper and also Irgarol within the Solent.*
- Eastleigh Borough Council - Countryside Officer at Hamble continues to remove litter e.g. tins of paint etc washed onto EBC from boatyards.

### (c) Moorings (new)

The management considerations for this activity are:

- *Keep a watching brief on the impacts of new moorings in key risk areas.*
- Gosport Borough Council – Planning permission granted for the extension of existing pontoons to accommodate ocean-going yachts at Haslar Marina. Four conditions have been included to protect the features of the Portsmouth harbour SPA/RAMSAR site including the timing and method of piling, the avoidance of storage of equipment materials or machinery within the SPA, and that no dredging shall take place as part of the proposal.
- Southampton City Council – A new pontoon at a marina on Quayside Rd is currently being investigated to ensure it has appropriate consent.
- Natural England – Continue to ensure all development proposals are fully assessed and mitigated.

### (d) Moorings (ongoing management)

The management considerations for this activity are:

- *Keep a watching brief on the impacts of ongoing moorings in key risk areas;*
- *Harbour Authorities to continue to enforce current management measures.*

### February 2009

- Gosport Borough Council – Planning permission granted for the extension of existing pontoons to accommodate ocean-going yachts at Haslar marina. Four conditions have been included to protect the features of the Portsmouth harbour SPA/RAMSAR site including the timing and method of piling, the avoidance of storage of equipment materials or machinery within the SPA, and that no dredging shall take place as part of the proposal.
- Fareham Borough Council – Enquiries made regarding substituting 23 moorings at Fareham Lake following Fareham Sailing and Motor Boat Club having notice served by Strand Harbour Securities.

### (e) Navigation

The management considerations for this activity are:

- *Keep a watching brief on the impacts of navigation in key risk areas;*
- *Harbour Authorities to continue enforcement of existing speed limits for boats.*

### (f) Other water sports

The management considerations for this activity are:

- *Keep a watching brief on the impacts of other water sports in key risk areas;*
- *RA to continue to enforce current management measures.*

### February 2009

- Southampton City Council – Hovercraft reported using the inter-tidal area at Weston Shore.

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- Pagham Harbour – It is anticipated that revised byelaws restricting certain water sports on the land will be introduced in 2009. The existing byelaws restrict most water sports within harbour.
- Natural England – Are currently involved, as are others LA in the Solent Disturbance and Mitigation Project in researching potential disturbance and mitigation across the Solent.

### **(g) Recreational boating (power)**

The management considerations for this activity are:

- *Keep a watching brief on the impacts of recreational power boating in key risk areas;*
- *RA to continue to enforce current management measures such as existing speed limits.*

### **(h) Recreational boating (sail)**

The management considerations for this activity are:

- *Keep a watching brief on the impacts of recreational sailing in key risk areas;*
  - *RA to continue to enforce current management measures such as existing speed limits.*
- Cower Harbour Commission - Working with estuaries project on scheme to raise awareness of sensitive areas of saltmarsh, used by waterbirds and impact of landing from dinghies. This involves new signage and liaison with local sailing centres and progress will be monitored.
  - Pagham Harbour - Four (non-motorised) boat permits are presently issued and sailing returns are required each year. The local community in Sidlesham is presently attempting to increase the number of permits and to make them transferable. This issue is being discussed at the next Advisory Board Meeting and with the parish council. However NE and EA are against increasing the number of permits and support the existing policy of phasing them out over time.
  - Natural England – are currently involved as are others LA in the Solent Disturbance and Mitigation Project in researching potential disturbance and mitigation across the Solent.

### **(i) Slipway cleaning and maintenance**

The management considerations for this activity are:

- *Keep a watching brief on the impacts of slipway cleaning and maintenance in key risk areas.*
- Fareham Borough Council – Warsash slipway cleared of weed after storms and the slipway at Salterns Park also required clearing.

### **Summary**

April 05: Water based recreational activities continue to be monitored and managed by the RAs. The River Hamble Harbour Authority have produced Strategic Principles to guide mooring development in the river and WSCC are producing a management strategy for Pagham nature reserve which will cover all aspects of water based recreation. In some areas additional moorings have been developed. There has also been the installation of new Boat Scrubbers and washdown facilities in a number of the harbours in the Solent.

February 06: Moorings are gradually being removed in Lymington Harbour as they become more exposed within areas of SEMS, with additional moorings provided outside the area. New moorings are also proposed at Woolston Riverside in Southampton as part of regeneration project. Issues of navigation and restricted areas require management which takes account of environmental considerations and byelaws and this occurs continuously. EBC noted increasing amounts of litter washed up on shore originating from boatyards.

February 07: As with the previous year moorings continue to be removed in Lymington Harbour as they come more exposed and additional moorings being provided outside the SEMS. New moorings are being proposed at Woolston, Southampton and Bembridge

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Harbour on the Isle of Wight. In some areas of the site, Southampton boat maintenance activities are decreasing where as Eastleigh BC continue to see impacts (litter) from this activity in their area of the site. The Blue Green projects continues to be used to help encourage sustainable water recreation.

February 08: As in previous years Lymington Harbour have continued to adjust the location of their moorings due to increased exposure in the SEMS area. The proposal for new moorings in Woolston Riverside and Vospers site regeneration is still present. Litter from boatyards continues to be an issue at the EBC Hamble site.

February 09: Extension to pontoon in Haslar Marine provides opportunity for further moorings in this area. There are ongoing issues with moorings in Lymington Harbour due to increase exposure in the SEMS area due to the erosion of the saltmarsh. There has been an request made to Pagham Harbour to increase the number of permits for non-motorised boats. Both NE and EA are against increasing the number of permits and support existing policy of phasing them out over time. There is reported use of hovercraft in the inter-tidal area at Weston Shore, and the situation is being monitored.

### 4.2 PLANS AND PROJECTS

Specific procedures are in place through the Habitats Regulations for considering the impact of new plans and projects on European Marine Sites. Plans and projects were included in the Management Scheme to show that all types of human use had been considered by the Management Group. For completeness of this report these activities, their management considerations and any progress or change in the activity or management of the activity is detailed below.

#### 4.2.1 Aggregate Dredging

Management Considerations:

- *Ensure that any proposals for aggregate extraction are properly assessed by the appropriate competent authorities, addressing the potential impacts of both the dredging and associated shipping movements.*

#### February 2009:

- Natural England – Continue to provide advice to applicants and Competent Authorities in relation to these matters.

February 07:

- Removal of sand and gravel from main navigable channel of Bembridge Harbour:- Isle of Wight Council three year temporary planning permission and regulation 62 consent subject to legal agreement, dredging protocol and monitoring. Detailed consultation with NE and EA.

February 06:

- EN continues to be actively engaged with BHIC and IOWC considering the future of the dredging operation at the entrance to Bembridge Harbour.

April 05:

- BHIC is having in-depth discussions with EN, EA and local authority over future aggregate dredging at the entrance to Bembridge Harbour.

#### 4.2.2 Coastal Development

Management Considerations:

- *Ensure that any strategies, initiatives, project and plans are developed and implemented in accordance with the requirements of the Habitats Regulations;*
- *Ensure that the Habitats Regulations are taken fully into account in the preparation of development plans and the assessment of planning applications.*

#### February 2009

- New Forest District Council - Core strategy published and the coast integrated into strategy. Specific reference to the two SMPs: (North Solent and Hurst to Durlston)
- Gosport Borough Council – the ‘preferred option’ stage of the Gosport Core Strategy is likely to be published for consultation in July/August 2009. An initial HRA screening is currently ongoing and has included consultation with NE and other key stakeholders. The finding of the screening will highlight the need for ‘appropriate assessment’ of the Core Strategy.
- Eastleigh Borough Council – Draft coastal defence strategy for Southampton, Eastleigh and Fareham is being assessed under the Habitat Regulation and for biodiversity impact – led by Southampton City Council.
- Cowes Harbour Commission – Further enhancement of the assessment tools developed last year to help to assess the cumulative impacts of development. The work is continuing through the estuaries project.

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- Southampton City Council – Coastal Defence Strategy underway and NE consulted with. Currently preparing to submit the Core Strategy with the Habitat Regulation Assessment of the plan underway. The City Centre Action Plan has been put on hold whilst the Core Strategy is being completed. This will also be subject to HRA. Consultation with NE and EA will be undertaken.
- RHHA – continue to chair the Hamble Streamlined Consents Group.
- Portsmouth City Council – The impact of new development on Portsmouth's internationally designated sites are being assessed and if necessary mitigated through the HRA process. Full appropriate assessment is being done on the Core Strategy, Site Allocations, DPD and the Somerstown and North Southsea Area Action Plan. A screening statement will be sought on the hard SPD.
- Winchester City Council – A HRA is being carried out for the WCC core strategy and strategic allocation sites.
- Natural England – Continue to provide advice to applicants and Competent Authorities in relation to these matters.

### February 2008

- Natural England - continually provides advice to applicants and Competent Authorities bodies in relation to these matters.
- Eastleigh Borough Council - Development applications screened and commented upon by EBC's Biodiversity Officer as necessary.
- Portsmouth City Council - New rock armour was placed on the foreshore at Milton Common (Langstone Harbour) and new gabions have been added at Langstone Harbour entrance.
- Winchester City Council - Habitats Regulation Appropriate Assessment screening is being developed alongside the Preferred Options for the Winchester City Council Core Strategy.
- Lymington Harbour Commissioners - Plans to introduce a rock breakwater in the outer harbour for protection. These plans are currently under discussion with NE, EA, DEFRA & NFDC.
- Fareham Borough Council - Fareham Local Development Core Strategy states that detailed policy on mitigation of harm from development at SSSIs will be contained within the Development Control Policies Development Plan Document. PUSH has developed a framework for local authorities to undertake Habitat Regulations Assessments on Local Development Frameworks.
- Southampton City Council - Coastal Defence Strategy Study is still in progress with the appropriate assessment underway and will include consultation with Natural England and EA. Deposit version of Core Strategy is being developed and Habitats Regulations Assessment (HRA) of the plan is underway. Issues and Options version of the City Centre Action Plan has also been produced, also be subject to HRA. Consultation with Natural England and Environment Agency will be undertaken throughout.
- New Forest District Council - Local Development Framework Core Strategy Preferred Options published and responses being considered. Proposals include continuity with policies of restraint; responding to flood risk considerations through future publication of North Solent SMP; increase Biodiversity via assisting with targets, protection via BAP and surveys of SINC's.
- Isle of Wight Council - are undertaking a HRA in respect of the Island Plan (LDF) Core Strategy.
- Cowes Harbour Commissioners – a set of assessment tools have been completed, which were developed through partnership with IW Estuaries Project and Cowes Waterfront. New development proposals are now informed by extensive information on the Medina Estuary. One of the tools is computer modelling which will help to assess the cumulative impact of development.
- Gosport Borough Council - The Gosport Borough Local Plan Review was adopted in May 2006 and forms part of the Development Plan for the area covering the period to

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2016. Work has commenced on the Local Development Framework. An Issues and Options Report has been produced for the Core Strategy as well as a Sustainability Appraisal Scoping Report.

### February 2007

- ABP - Increasing concerns that excessive coastal development - in particular, waterside residential development – could increase levels of light pollution, surface water run-off and increasing demands for marina-type developments and consequent increase in recreational craft.
- Cowes Harbour Commissioners - working with IW Estuaries Project and Cowes Waterfront to complete the development of assessment tools and modelling of Medina Estuary to allow more informed assessments of cumulative impact of developments.
- Eastleigh Borough Council - provided advice on Habitats Regulations Assessment requirements to the consultants engaged to work on the River Itchen, Western Shore, Netley and river Hamble Coastal Defence Strategy Study. Development applications screened and commented upon by EBC's Biodiversity Officer as necessary.
- Fareham Borough Council - Better processes could be put in place for Habitats Directive Assessments or screening Environmental Impact Assessments when planning applications for coastal development are received.
- The Gosport Borough Local Plan Review was adopted in May 2006 and forms part of the Development Plan for the area covering the period to 2016. Work has commenced on the Local Development Framework. An Issues and Options Report has been produced for the Core Strategy as well as a Sustainability Appraisal Scoping Report.
- Isle of Wight Council - Eastern Yar Strategy – joint study underway by IWC and EA re coastal strategy and flood management and water Level Management Plans options for Bembridge/St Helen's frontages and Culver, Sandown. Contributors to Sustainable Ports study appraised of requirements of Habitats Regulations.
- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with NE, EA, DEFRA & NFDC.
- The Partnership for Urban South Hampshire (PUSH) will shortly be commissioning consultants to prepare a Habitats Regulation Assessment (HRA) Framework for Local Development Documents in South Hampshire. This will provide the basis for local planning authorities when undertaking a HRA for each Development Plan Document or Supplementary Planning Document in the light of the European Court of Justice ruling on 20 October 2005 on Appropriate Assessments. Appropriate Assessments are carried out for the relevant planning applications. Consultation with Natural England.
- Southampton City Council - Coastal Defence Strategy Study in progress – consultation with Natural England and EA. Local Plan adopted March 2006, protected sites policy reflects advice from Natural England.
- Winchester City Council - One planning permission has been granted since May 06 in the Upper Hamble (Solent Maritime SAC, Solent and Southampton Water SPA and Ramsar). Natural England and the Environment Agency were consulted and conditions added to the permission to comply with the requirements of the Habitats Regulations. Other relevant changes in policy and planning are arising through the PUSH strategy.

### February 2006:

- ABP are currently considering a Works Licence application to create a 250 approx berth Marina at the former Husbands Shipyard at Marchwood. ABP has expressed concern that this could lead to navigational safety issues in the deepwater channel approaches to the Western Docks. A suggestion has come forward for the creation of a designated small boat channel running parallel to the main, navigable channel
- Chichester District Council – consult with EN over planning applications affecting Chichester Harbour. New European Courts of Justice ruling now means that all Local Development Framework (LDF) document will be subject to Appropriate Assessment under the Habitat Regulations (guidance awaited from Government).

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- Cowes Harbour Commissioners - Working with IoW Estuaries Project and Cowes Waterfront on modelling of Medina Estuary to allow more informed assessments of cumulative impact of developments.
- Eastleigh Borough Council - Development applications screened and commented upon as necessary. Policies within the Revised Local Plan second deposit draft remain in line with Habitat Regulations.
- EN suggests that there may be serious implications for the demand for activities within and adjacent to the European Marine Site as a consequence of the numbers of new houses proposed around the shores of the Solent and more widely.
- EA - The EA have objected to a number of proposals that are not in accordance with the Habitat Regulations.
- Gosport Borough Council - The European Court of Justice ruling on 20 October 2005 on Appropriate Assessments will have implications for all local planning authorities preparing their Local Development Frameworks. Gosport Borough Council will be adopting its Local Plan Review by July 2006 and is currently evidence gathering for its Local Development Framework. Appropriate Assessments are carried out for the relevant planning applications. Consultation with English Nature.
- Hampshire County Council - Ongoing statutory requirement to consider plans and projects within local plans etc.
- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with DEFRA, English Nature, Crown Estate etc.
- Portsmouth City Council - It is presumed discussions are still being held with regard to a wharf extension at Kendall's Aggregate Wharf. EIA scoping report undertaken and EN involved in discussions. Sustainability Appraisal General Scoping Report produced and revised during 2005 which takes in account the coastal habitats around Portsmouth. This has formed the basis of the Specific Scoping reports which relate to the Development Plan Documents and Supplementary Planning Documents being progressed.
- Southampton City Council - Local Plan adopted March 2006, protected sites policy reflects advice from English Nature.

### April 05:

- Chichester District Council (CDC) – Consult with EN over planning applications affecting Chichester Harbour.
- CDC - Sustainability appraisal of the emerging Local Development Framework (LDF) will ensure that the Habitats Regulations are taken fully into account.
- Eastleigh Borough Council – Development applications screened and commented upon as necessary. New local plan policies prepared in line with Habitats Regulations requirements.
- The Environment Agency Project to upgrade the Eastoke Defences on Hayling Island are nearly completed. Hayling Island sectoral strategy group are currently working defence options for the rest of Hayling Island. The final designs for the upgrading of the defences for the Selemore/ Megham frontage on Hayling Island are soon to be released by the EA.
- Gosport Borough Council (GBC) - Gosport Borough Local Plan Review (Revised Deposit) produced in June 2004 included a revised Policy R/OS9 relating to SPAs, cSAC and Ramsar Sites. The updated wording accords with English Nature's requirements and consequently their initial objection has been withdrawn.
- GBC - An 'Appropriate Assessment' is undertaken for planning proposals that have the potential to affect the Portsmouth Harbour SPA/Ramsar Sites.
- GBC – Planning permission has been granted for the principle of mixed use development on Priddy's Hard Heritage Area with detailed permission given to the residential element (198 dwellings). Conditions have been included (relating to the phasing of construction and clearance work and restricting access to the foreshore) which safeguard the adjacent Portsmouth SPA following detailed discussions with English Nature. This application underwent an Appropriate Assessment.

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- Hampshire County Council (HCC) – There is an ongoing statutory requirement to consider plans and projects within local plans etc.
- HCC - Appropriate guidance regarding Habitats Regulations requirements is included in responses to consultations on planning applications where potential impacts upon internationally designated sites are present.
- Havant Borough Council – Local plan addresses issues which might arise from new development including locational matters; Habitats Regs are recognised as part of the overall process.
- Isle of Wight Council - Ongoing appraisal of planning applications in respect of Habitats Regulation requirements. Details of extent and features of European Site for part of baseline information informing the preparation of the Island Plan (LDF) core strategy
- Portsmouth City Council – Discussions are being held with regard to a wharf extension at Kendall’s Aggregate Wharf. EIA scoping report has been undertaken and EN are involved in discussions.
- Southampton City Council – Integrated coastal plan to be developed with Eastleigh Borough Council in 2005/2006. This will give due regard to the Habitats Regulations.

### 4.2.3 Construction/alteration of slipways

Management Considerations:

- *Ensure that any proposals for new slipways are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interest.*

February 2008:

- Fareham Borough Council - Proposals for a new slipway in Portchester will be properly assessed.

February 2006:

- EA - The applicant must show that there is no net loss of intertidal and that where possible, further mitigation has been sought. The EA will object to proposals that are not like for like replacement.
- Portsmouth City Council - Current application for the extension and alterations to existing Hovertravel landing pad at Southsea.

April 2005:

- Portsmouth City Council – consideration is being given to enlarging the public slipway on the Langstone Channel adjacent to Southsea Sea Angling premises. This will improve control by Langstone Harbour Master over leisure activities.

### 4.2.4 Discharges (Industrial and Domestic)

Management Considerations:

- *Ensure that any proposals for new discharge consent are properly assessed by the appropriate competent authorities;*
- *Ensure that the EA review all current discharge consents with regard to the requirements of the Habitats Regulations.*

February 2009:

- Chichester Harbour Conservancy – Despite the improvements at the WWTWs discharging into Chichester Harbour, there is still extensive periods when Apuldram WWTW discharges only partially treated sewage into the harbour. Namely it has not received bacteriological treatment or nutrient stripping. Accordingly, nitrate and phosphates are still being discharged into the harbour and the eutrophic conditions in the harbour do not appear to be improving.

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- Southern Water – Chichester Wastewater Treatment Works was improved in 2008 as part of the National Environment Programme 2005-10 to meet the requirements of the Urban Wastewater Treatment Directive for nitrate removal and the Shellfish Directive for ultra-violet disinfection of the treated effluent. Storm water storage capacity was also increased by over 80%. Under current national and EU legislation, there is no requirement for removal of phosphate from effluent discharged to estuarine waters. Nitrate levels discharged in the treated effluent will be further reduced by improvements to be completed in 2012 under the Habitats Directive.  
Projects completed within the AMP4 period (2005-10) to improve the quality of discharges to the Solent include nutrient (nitrogen) removal schemes at wastewater treatment works (WTWs) at Chichester and Bosham (both including UV disinfection), Budds Farm, Peel Common and Thornham. Other schemes include the Bosham Hoe first time sewerage scheme, Ashlett Creek WTW outfall extension, Hook Wastewater Pumping Station storm discharge, and Main Road Fishbourne Combined Sewer Overflow. Work continues on the scheme to transfer the R. Medina discharge from Fairlee WTW (which will be closed) to Sandown WTW.

February 2008:

- Southern water – relevant current discharge consents have been reviewed by the Environment Agency.

February 2007:

- ABP - Recent PPC applications have highlighted activities and required mitigation. No deterioration observed.
- Southern Water - This is a routine and mandatory procedure for Southern Water. Relevant current discharge consents have been reviewed by the EA.

February 2006:

- EN has been consulted by the EA regarding permissions within / affecting the SEMS sites. EA has consulted EN regarding the Appropriate Assessments for the SEMS sites.

April 2005:

- ABP is reviewing its surface water drainage issues (SWD) on a corporate level, this includes an assessment of SWD discharges within ABP Southampton.
- BHIC is having discussions with EN and EA over discharges into harbour.
- The EA has completed Appropriate Assessment for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994.

### 4.2.5 Freshwater Abstraction

Management Considerations:

- *Ensure that any new fresh water abstraction proposals are properly assessed by the appropriate competent authorities.*

February 2007

- Scheme coming forward to re-establish water intake and out-takes at Marchwood Power Station site. Full consultation procedures in place to mitigate potential adverse effects.

April 2005:

- The EA has completed Appropriate Assessment for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994.

### 4.2.6 Holiday Camps

Management Considerations:

- *Ensure that any proposals for new holiday camps are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interest.*

February 2007 :

- Havant Borough Council - proposals for extensions to the Holiday Camp at Sinah Warren have been submitted but are held pending clarification of flooding issues from the EA (impact of new PPS25 guidance).

### 4.2.7 Houseboats

Management Considerations:

- *Review any future applications for houseboats in view of the requirements of the Habitats Regulations.*

**February 2009**

- Southampton City Council – Planning Application for a houseboat is being processed. This is a re-submission of an earlier application that was refused. It is sited on an establishment mooring outside of the designated area.
- Natural England – Have held discussions with BHIC, IOW council and EA regarding the planning application for increasing the number of houseboat within Bembridge Harbour and to provide sewage treatment for existing boats. The application was refused but has been resubmitted.

February 2008:

- Isle Of Wight Council - Current planning application for 34 houseboat moorings in Bembridge Harbour. Houseboats themselves are chattels, can switch between moorings and only subject to management.
- Southampton City Council - Planning permission for two houseboats granted and a third is under consideration. All sited on established moorings outside the designated area.
- Natural England - remains in discussions with BHIC, IOWC and EA regarding the planning application for increasing the number of houseboats within Bembridge Harbour and to provide sewage treatment for existing boats.

February 2007:

- ABP - Whilst there have not been any new applications in Southampton, issues have been raised concerning suitability of replacement craft on existing sites.
- Isle of Wight Council - Application for additional houseboat moorings at Bembridge. Decision to be informed by additional bird survey information and proposed mitigation.
- Natural England - NE remains in discussions with BHIC, IOWC and EA regarding possible proposals to increase the number of houseboats within Bembridge Harbour and to provide sewage treatment for existing boats.

February 2006:

- English Nature remains in discussions with BHIC, IOWC and EA regarding possible proposals to increase the number of houseboats within Bembridge Harbour and to provide sewage treatment for existing boats.

April 2005:

- Eastleigh Borough Council – development applications screened and commented upon as necessary.
- English Nature – there have been preliminary discussions with BHIC, IOWC and EA regarding possible proposals to increase the number of houseboats within Bembridge Harbour and to provide sewage treatment for existing boats.

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- Isle of Wight Council - discussions with owners and English Nature and Environment Agency re proposals for additional houseboats at Bembridge Harbour.
- Lymington Harbour Commissioners - have decided formally that moored boats should not be used as permanent accommodation (though not a problem).
- River Hamble Harbour Authority – this is an ongoing issue on the River with lack of clarity on the issue of houseboats, their replacement, planning permission etc.

### 4.2.8 Land reclamation

Management Considerations:

- *Ensure that any proposals for land reclamation are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features.*

February 2006:

- EA – an objection has been made to an application that included substantial reclaim as it was without Appropriate Assessment and no forms of mitigation, compensation or enhancement were sought.

April 2005:

- ABP is reviewing its surface water drainage issues (SWD) on a corporate level, this includes an assessment of SWD discharges within ABP Southampton.
- Southampton City Council – No planning applications including land reclamation have been received during monitoring period.

### 4.2.9 MOD and other Aircraft

Management Considerations:

- *Ensure that the airspace needs of all users are met as equitably as possible and that there is no disturbance to the SEMS.*

February 2009

- Pagham Harbour – Military aircraft, particularly low flying helicopters are a concern and reports are made to the CAA when details are available. The sighting included low flying aircraft and an attempt by the a helicopter to land in the designated area. In particular concern is the noise created by these aircrafts and the disturbance to the bird populations. Relevant authorities have been informed.

### 4.2.10 Oil and Gas Exploration

Management Considerations:

- *In the absence of any particular issue at present, there is simply a need to keep a watching brief on future proposals.*

### 4.2.11 Pipeline Construction

Management Considerations:

- *Ensure that any proposals for pipeline construction are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interest.*

February 2009

- RHHA – awaiting update on the proposals for the Southern Water Woolston to Warsash pipeline
- Fareham Borough Council – Comments made of pre application and screening enquiries regarding Woolston pipeline.
- Southern Water – Improvements to Woolston WTW are planned in order to meet the combined requirements of the Habitats Directive, the Shellfish Directive, and the Urban

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Waste Water Treatment Directive. The current proposal, for completion within the National Environment Programme 2010-15, is to close Woolston WTW and pump the wastewater via a new pipeline to Peel Common WTW for treatment and discharge to the Solent. This option is included in Southern Water's Final Business Plan (FBP) submitted to Ofwat in April 2009 for funding approval. The final determination of the FBP by Ofwat is expected in December 2009. Until this time, Southern Water is unable to comment on the likelihood of the transfer going ahead or whether Woolston WTW will be improved for discharge of treated effluent into Southampton Water.

February 2008.

- Eastleigh Borough Council – Have advised HCC that the proposed new Southern Water pipeline between Woolston and Warsash required an Environmental Statement under the EIA Regulations for potential environmental impacts.
- Fareham Borough Council - EIA scoping will be undertaken by developers for Woolston pipeline.
- Southampton City Council - Environmental Impact Assessment for a Southern Water pipeline and pumping station is currently being undertaken.

February 2007

- SCC - Southern Water pipeline works underway, not thought to be significant for SEMS interest, Natural England party to works.
- ABP - Cross-Solent water pipeline replacement currently underway between Lepe and Gurnard. All permissions in place, following protracted consultation procedures.

February 2006:

- Cowes Harbour Commissioners - No proposals at present.
- Southampton City Council - Southern Water pipeline works underway, not thought to be significant for SEMS interest, English Nature party to works.
- Southern Water is currently replacing two cross-Solent water mains, which were installed under the Solent from Lepe to Gurnard in 1980, with new pipes to ensure demand for water on the Island can continue to meet demand over the next 25 years. Construction will commence during 2006, with completion currently programmed for July 2007. Southern Water is working closely with English Nature, Environment Agency, Hampshire County Council, Isle of Wight Council, New Forest District Council, Ports Authority and DEFRA to ensure that all possible issues are taken into consideration.

April 2005:

- EN – there have been preliminary discussions with consultants acting on behalf of Southern Water regarding a new pipeline to supply potable water to the Isle of Wight.
- EA - have had preliminary discussions with consultants acting on behalf of Southern Water regarding a new pipeline to supply potable water to the Isle of Wight.
- Southampton City Council – proposal for Southern Water pipeline in Riverside Park northwards. Not thought to be significant in relation to SPA/SEMS site due to distance from site.

### 4.2.12 Seawater Abstraction

Management Considerations:

- *Ensure that any new sea water abstraction proposals are properly assessed by the competent authorities.*

April 2005:

- EA - have completed Appropriate Assessments for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994.

### 4.3 ACTIVITIES WITH SYSTEMS IN PLACE TO ENSURE THEY ARE MANAGED IN LINE WITH THE HABITATS REGULATIONS

Stage 4, the activity inventory, of the Management Scheme process identified activities which have 'systems in place to manage the activity in line with the habitats regulations'. These are listed below with the management considerations and any progress or changes as identified by the RAs. Again only new information is detailed, ongoing management as described in the Management Scheme is assumed to be continuing.

#### 4.3.1 Agricultural run-off

Management Considerations:

- *Ensure that EA and EN take account of the requirements of the Habitats Regulations when reviewing consents.*

#### February 2009:

- EA The Downs & Harbours Clean Water Partnership (formally named South Downs & Harbours Diffuse Pollution Partnership) was set-up by Natural England, Portsmouth Water & the Environment Agency to tackle the problems of rising nutrient levels (notably nitrates) in ground, surface and coastal waters which have become a significant problem to the health of some important parts of the South East's coastline. The project is following the Catchment Sensitive Farming model and is covering an area that was missed off the CSF priority catchment list.

The project aims to :

- protect groundwater sources used for public water supply
- reduce algal growth in the Harbours & River Hamble delivering favourable or recovering condition
- deliver Water Framework Directive water quality objectives for ground and surface water bodies through a reduction in diffuse pollution

February 2007:

- EA – There is a Multi- Agency Project (DEFRA, Environment Agency and natural England) called England Catchment Sensitive Farming Delivery Initiative (Currently April 06 – April 08). It is targeting selected sub catchments within the Test and Itchen to reduce diffuse pollution from Agriculture. The Environment Agency and Island 2000 have developed a similar Project on the Isle of Wight - The Landcare project. Concentrating on both the Eastern Yar and Medina catchments. For more information visit the website, [www.landcare.island2000.org.uk](http://www.landcare.island2000.org.uk).

February 2006:

- EN - From April 2006 a dedicated network of expert advisers will be on hand to help farmers tackle the causes of harmful water pollution. This partnership between Defra, the Environment Agency and Natural England will help farmers to act. Catchments across England, including the Test and Itchen, identified as priority areas for action, will be targeted under a range of measures aimed at improving farm practices and reducing water pollution from agriculture. Advisers will work on a one to one basis with farmers, as well as leading a series of initiatives including workshops and farm demonstrations to encourage best practice.

April 2005:

- BHIC – Agricultural run-off needs to be monitored in Yar valley particularly for soil run off into the harbour.

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- EN - Water quality has been assessed as part of the EA's Appropriate Assessment for the Solent maritime cSAC and Chichester and Langstone Harbours SPA. But this doesn't directly address agricultural run off which is normally diffuse pollution and doesn't have a specific discharge consent.
- EA - Appropriate Assessments have been completed for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994. Agricultural runoff is a form of diffuse pollution, there is no legislative driver to consent run-off.

### 4.3.2 Barrage/sluice operation

Management Considerations:

- *All RAs to ensure that they take into account the requirements of the Habitats Regulation in the operation of any barrage/sluices within their control.*

February 2008:

- Isle of Wight Council – have progressed with the EA towards a water level management plan for Brading Marshes.

February 2007:

- Havant Borough Council - the EA have taken over responsibility for sluices associated with Emsworth Mill Pond and are automating these in financial year 2007/8. The proposals include consideration of Habitats Regulations.

### 4.3.3 Beach cleaning

Management Considerations:

- *Ensure that LAs carry out beach cleaning activities with due regard to the requirements of the Habitats Directive.*

February 2009:

- Eastleigh Borough Council – Eastleigh Beach Wardens – BTCV have been successful in gaining £18,169 from the Veolia Environmental Trust to run a Beach Wardens Project at EBC owned and managed Hamble Common. The project began in December 2008 with a launch evening in Hamble, which was well attended by 15 local people. Several beach cleaning and management tasks have been held since then.
- Southampton City Council – ongoing litter picks.
- RHHA – Warsash Residents Association continues with their monthly beach clean at Warsash and Bunny meadows but this relies entirely on volunteers.
- Pagham Harbour – Regular beach clean in spring and autumn in conjunction with the Marine Conservation Society.

February 2008:

- Gosport Borough Council - The Borough Council has supported on two occasions in the past year litter picks on Forton Lake. The group involved is called the Hardway Conservation Volunteers and have made a big impact on cleaning up the foreshore.

February 2007:

- Eastleigh Borough Council – Twice yearly rubbish collection on beach and beach clean events.

February 2006:

- Chichester District Council – this activity only occurs outside SPA/SAC area at present. Watching brief in case any volunteer Beach Wardens in SPA/SAC area come forward through 'Nature Coast' project.

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- Southampton City Council - Litter picks carried out without significant impact on SEMS site.

April 2005:

- Beaulieu River Management – the Countryside Education Trust carried out a beach clean along Park Shore under a national scheme and hope to continue to do this on an annual basis.
- Chichester District Council – this activity only occurs outside SPA/SAC area at present. Watching brief in case any volunteer Beach Wardens in SPA/SAC area come forward through ‘Nature Coast’ project
- Eastleigh Borough Council – low frequency manual cleaning of man-made material only.
- RHHA – Warsash Residents Association have started a monthly (if possible) beach clean in Warsash area.
- Southampton City Council – any beach cleaning activities have taken account of the requirements or have not been significant in relation to the site.

### 4.3.4 Coastal Protection

Management Considerations:

- *Ensure that any proposals for coastal protection and maintenance are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interest;*
- *Ensure that the next round of SMPs take full account of the requirements of the Habitats Regulations.*

February 2009

- All RA contributing to the North Solent SMP groups as required.
- New Forest District Council – Western Solent Coast Defence Strategy in progress. North Solent SMP out to public consultation in September.
- Gosport Borough Council – Coastal Defence Strategy study for town centre will be revised to take account of revised sea level rise projections
- Southampton City Council – Coastal Defence Strategy Study and North Solent SMP.
- Fareham Borough Council – Maintenance carried out at Cadour Drive, Eastern Parade (re-pointing of masonry walls). Gravel imported and places as coast protection at Cams Bay and groyne replacement at Hill Head.
- IOW – SMP for the island has been slightly delayed but appears to now be back on track.

February 2008:

- New Forest District Council - The Solent Dynamic Coast Study has finished. Western Solent Coast Defence Strategy in progress but awaiting NE and EA guidance. North Solent SMP in progress but awaiting NE guidance for Appropriate Assessment and EA guidance on securing compensation habitat through the Regional Habitat Creation Programme.
- Fareham Borough Council - Groyne maintenance at Hill Head occurred in summer 2007 with ongoing sea wall maintenance at Eastern Parade. An increase in rate of erosion at Cams Bay has been experience requiring that the rubble revetment to be reformed to protect the landfill site (with NE approval). There has been a noticeable increase in the rate of erosion at Chilling Cliffs which has led to some concern at Solent Breezes Holiday Park. The River Itchen, Weston Shore, Netley and River Hamble Coastal Defence Strategy Study joint study with Southampton and Eastleigh is still ongoing with the Appropriate Assessment currently being undertaken.
- Gosport Borough Council - Coastal Defence Strategy Study for Town Areas has been approved by DEFRA. Financial provision for 2 schemes and 1 study has been provided by DEFRA for 2008/09. Forton Flood Protection Scheme-planning permission has been granted. Alverstoke Village Flood Protection Scheme-planning permission has yet to be

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sought. Scoping Study for the coast between the River Hamble and the Portsmouth Harbour Entrance is to be commissioned by Gosport Borough and Fareham Borough Councils. The study will look at coastal management issues including whether there is a need for any coastal defence schemes or whether further investigation is required.

- Yarmouth Harbour Commissioners - In process of setting up a coastal working group to help take forward the coastal defence strategy.
- Natural England continues to be consulted by the appropriate competent authorities around the Solent.

### February 2007

- Gosport Borough Council - Coastal Defence Strategy Study for Town Areas has been approved by DEFRA-awaiting decisions on funding of two schemes. No construction has taken place.
- Southampton City Council - Coastal Defence Strategy Study, Natural England and EA are parties to the study. North Solent SMP in progress, Natural England are being consulted as part of this process

### February 2006:

- EN continues to be consulted by the appropriate competent authorities around the Solent.
- EN - In June 2005 temporary planning permission was given to Chichester Harbour Conservancy to recycle material from the northern end of East Head to the 'neck' of the sand dune system. It expires in June 2007 and permits 2 recycling operations within this time. It is envisaged that the Selsey Peninsular Strategy will be published by June 2007 and therefore the long term management policy for this area will be known. English Nature continually provides advice to applicants and Competent Authorities / Section 28G bodies in relation to these matters.
- Gosport Borough Council - The Borough Council has submitted a Coastal Defence Strategy Study to DEFRA for the Town area adjacent Portsmouth Harbour for funding. Decision Awaited. Officers are aware of the next round of SMP requirements.
- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with DEFRA, English Nature, Crown Estates etc.
- New Forest District Council - The South East Regional Strategy and West Solent Coast Defence Strategy are in process.
- Portsmouth City Council - Portsea Island Coastal Strategy Study (Halcrow) now completed and with the Government Office for approval. The study produces options of coastal defence improvements for consultation with the appropriate bodies.
- Southampton City Council - Recent application for protection of railway line by Network Rail at St Denys. English Nature party to FEPA application. Present indication that works will not significantly affect SEMS site. A bid made to DEFRA for funding for North Solent SMP, decision awaited. English Nature are being consulted as part of this process.

### April 2005:

- BHIC - report being prepared for groyne repairs etc to Duver Beach.
- Chichester District Council – ongoing consultation with EN and CHC about East Head proposals.
- Chichester Harbour Conservancy – the issue of East Head is under consideration by all statutory authorities.
- EA - have consulted EN on their annual flood defence maintenance programme.
- EN - The Pagham to East Head Coastal Defence Strategy is currently being revised this includes the East Head frontage at the mouth of Chichester Harbour. EN is on the steering group.
- Fareham Borough Council – minor repairs undertaken to seawalls following consultation with EN.

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- New Forest District Council – work is underway on the South East Regional Strategy and West Solent Coastal Defence Strategy.
- Portsmouth City Council – Portsea Island Coastal Defence study (Halcrow) to be completed shortly. The study produces options for coastal defence improvements for consultation with the appropriate bodies.
- Southampton City Council – integrated coastal plan to be developed with Eastleigh Borough Council in 2005/2006. This will give due regard to Habitats Regulations.
- WSCC - the Selsey Peninsula Review is currently being developed looking at coastal protection/flood defence options for the area. This replaces the previous Pagham to East Head Strategy.
- WSCC - options for the future management of East Head (spit within Chichester Harbour) are being looked at via a working group of all relevant authorities to ensure that they are sustainable.
- WSCC - the South Downs Shoreline Management Plan (Selsey Bill – Beachy Head) is being reviewed and goes out to public consultation in January 2005 setting out long term policy options for coastal defence. English Nature has been represented on the steering group throughout its development to ensure the requirements of the Habitats Regulations are addressed.

### 4.3.5 Egg Harvesting

Management Considerations:

- *Ensure that any proposals for new licenses are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interests.*

### February 2009

- New Forest District Council – Number of landlord permissions maintained at historic levels.

February 2007

- Natural England – NE received the draft Final Report from the PhD student investigating the impacts of egg collecting on Black-headed Gulls and associated species on the 13 March 07. They are currently in the process of reviewing the findings of the research in conjunction with their senior ornithological specialist and will consider whether any changes to the management of the activity are required as a result. Unfortunately it will be too late to implement any changes required for the current year as licence applications have already been determined. The Final report should be available to interested parties by the end of March 07.

February 2006:

- EN - Research into the impacts of Egg collecting on the breeding success of black headed gulls and associated species is being undertaken by Southampton University funded by EN. The research is ongoing with the final field season in 2006 and the report due later this year.
- Lymington Harbour Commissioners - No change.(Licensing by DEFRA with EN consent. LHC merely gives landowner's permission for access.)

### 4.3.6 Flood Defence

Management Considerations:

- *Ensure that any proposals for flood defence and maintenance are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features of interest;*
- *Ensure that the next round of SMPs take full account of the requirements of the Habitats Regulations.*

### February 2008:

- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with Coast Protection Authority.
- Yarmouth Harbour Commissioners - In process of setting up a coastal working group to help take forward the coastal defence strategy.

### February 2007

- ABP – Flood Defence considered as part of Harbour Works consent applications.
- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with Coast Protection Authority.
- Southampton City Council - N.Solent SMP in progress, Natural England are being consulted as part of this process.

### February 2006:

- Lymington Harbour Commissioners - Plans for harbour protection project under discussion with Coast Protection Authority (NFDC).
- Portsmouth City Council - Portsea Island Coastal Strategy Study (Halcrow) now completed and waiting for approval from the Government Office for approval. The study produces options of coastal defence improvements for consultation with the appropriate bodies.
- Southampton City Council - A bid made to DEFRA for funding for North Solent SMP, decision awaited. English Nature are being consulted as part of this process.

### April 2005:

- Chichester District Council – involvement with the SMP round 2 process will ensure that the SMPs take full account of the Habitats Regulations.
- EN - were consulted by the EA on their annual flood defence maintenance program. Where there are private defences EN have in most cases been consulted through the development control process.
- Portsmouth City Council – Portsea Island Coastal Defence study (Halcrow) to be completed shortly. The study produces options for coastal defence improvements for consultation with the appropriate bodies.
- WSCC - the Selsey Peninsula Review is currently being developed looking at coastal protection/flood defence options for the area. This replaces the previous Pagham to East Head Strategy.
- WSCC - options for the future management of East Head (spit within Chichester Harbour) are being looked at via a working group of all relevant authorities to ensure that they are sustainable.
- WSCC - the South Downs Shoreline Management Plan (Selsey Bill – Beachy Head) is being reviewed and went out to public consultation in January 2005 setting out long term policy options for coastal defence. English Nature has been represented on the Steering Group throughout its development to ensure the requirements of the Habitats Regulations are addressed. The results of this pilot SMP plus the 2 other pilots will feed into the SMP round 2 guidance being prepared by Defra.

### 4.3.7 Grazing

#### Management Considerations:

- *Ensure that EN's SSSI consenting procedure and Site Management Statements take into account the possible impacts of grazing.*

### February 2009

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- Natural England – Continues to consider impacts to the SSSIs when issuing consents and management agreements. Management agreements for grazing have largely been superseded by Higher Level Stewardships (HLS)

February 2007:

- EA can only action this if they own the site or have direct management responsibilities.
- Natural England continues to consider impacts to the SSSIs when issuing consents and management agreements. Management agreements for grazing have largely been superseded by Higher Level Stewardship (HLS).

April 2005:

- EN - Site Management Scheme for grazing of saltmarsh in Fishbourne channel was produced and the impacts on interest features were assessed during the development of the scheme.

### 4.3.8 Oil spill and oil spill clean up

Management Considerations:

- *EN to provide relevant information about site features to the Standing Environment Group (SEG) to ensure that the contingency plans take into account the Habitats Regulations;*
- *MCA project to update the Atlas of Nature Conservation Sites in Great Britain Sensitive to Coastal Pollution with information about EMS.*

February 2009:

- Chichester Harbour Conservancy - Updated Oil Spill Response Plan.
- New Forest District Council – Oil Spill Response Plan under review.
- Southampton City Council – A barge sank at SWWTW a Woolston – a spillage of oil and sewage was reported but the extent is not known.
- Havant Borough Council – have revised their oil spill response plan

February 2008:

- Chichester Harbour Conservancy - Updated Oil Spill Response Plan.
- New Forest District Council - NFDC Oil Spill response plan being revised.
- Lymington Harbour Commissioners - LHC have an Oil Spill Response Plan for the Harbour formulated in accordance with advice from DEFRA and approved by the MCA.
- Natural England provided timely and accurate information on site features to the SEG to allow the effective clean-up of the wood 'slick' stranded along the West Sussex coast from the cargo of the *Ice Prince*. EMS features were unaffected.
- River Hamble Harbour Authority – Updated Oil Spill Response Plan.

February 2006:

- Chichester Harbour Conservancy – Updated oil spill response plan in place.
- ABP - On-going requirements as statutory Harbour Authority.

April 2005:

- Chichester Harbour Conservancy – Oil spill response plan in place.
- The SEG produced an Environmental Plan in October 2004 following consultation with EN and other bodies.

### 4.3.9 Outfall maintenance and replacement

Management Considerations:

- *Ensure that outfall maintenance and construction takes into account the requirements of the Habitats Regulations.*

### February 2009:

- Southern Water – Subject to the receipt of the appropriate permits, the planned removal of six redundant outfalls down to LWST will be completed in 2009. These are located at Woodvale, Binstead, Springvale, Salterns, Seaview and Seagrove Bay on the Isle of Wight.

### February 2008:

- Hampshire County Council – It is believed that Southern Water are currently in the process of re-commissioning their outfall at Chilling Lane, Hook.

### February 2006:

- Southern Water undertakes non-intrusive inspections of its marine outfalls. There are currently no plans for any intrusive surveys or work on any marine outfalls within the designated area. There is the possibility of some minor maintenance work on a small number of Isle of Wight foreshore outfalls during 2006-07. Southern Water has no responsibility for discharges from industrial premises direct to the environment.

### April 2005:

- EA - have consulted EN on their annual flood defence maintenance programme.

### 4.3.10 Wildfowling

#### Management Considerations:

- *Ensure that any future licences for wildfowling are properly assessed by the appropriate competent authorities, addressing the potential impacts on the features.*

### February 2006:

- Chichester Harbour Conservancy – new licences issued.
- EN has been consulted by Emsworth District Wildfowling and Conservation Organisation in relation to their new Management Plan for which new consents are being sought for EN. EN is currently undertaking an appropriate assessment in relation to this.
- Lymington Harbour Commissioners - Present procedures subject to English Nature approval – no change. Generally activities are governed by local wildfowling associations.

### April 2005:

- EN - in 2004 EN agreed a site management statement regarding wildfowling in Langstone Harbour, with the Langstone and District Wildfowling and Conservation Association.
- Chichester Harbour Conservancy – new licence agreed and lease reviewed.
- West Sussex County Council – this activity is likely to be addressed in the new Pagham Harbour Nature Reserve Management Strategy.

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### 4.4 MONITORING

The following table gives information relating to monitoring being undertaken by the RAs, this may, in some cases be helpful to EN's condition monitoring programme. See table 8, in the SEMS Management Scheme for English Nature's condition monitoring programme.

Features of Interest	Year	Monitoring
General	April 2005	<ul style="list-style-type: none"> <li>• EA has completed Appropriate Assessment for all existing consents (permissions and licences) under the Reg. 50 'Review of Consents' of the Habitats Regulations 1994. Method of research dissemination still to be agreed. The EA will inform the SEMS Management Group when the information is collated in an appropriate format.</li> <li>• EA - The Agency commissioned two surveys (Autumn and Spring 2004) from the Natural History Museum, to look at the condition of a number of Saline Lagoons within the Solent area. These reports are available on request.</li> </ul>
	February 2006	<ul style="list-style-type: none"> <li>• English Nature - Solent SPA literature review completed, this is the basis for understanding future monitoring requirements.</li> <li>• English Nature is currently undertaking an initial review of the information it holds relevant to the condition of SEMS features so far obtained during the first reporting cycle. This will include both the information collected on contract to English Nature such as the CASI survey of the SEMS, information collected by the EA through their review of consents and information from other bodies such as the WEBS partners. Due to the large amount of relevant information this task is taking longer than originally envisaged, but EN hope to be in a position to report upon initial findings in 2006.</li> <li>• Environment Agency and Hampshire County Council have sponsored a survey to take place in the forth-coming year. Subtidal information will then be provided in conjunction the Hampshire Wildlife Trust and the Sea Search initiative over the following years.</li> </ul>

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Features of Interest	Year	Monitoring
	February 2007	<ul style="list-style-type: none"> <li>The EA will hopefully be disseminating the general scientific findings of our review of consents process by the end of 2007.</li> </ul>
	February 2008	<ul style="list-style-type: none"> <li>Natural England - Literature review completed.</li> </ul>
	February 2009	<ul style="list-style-type: none"> <li>Solent Disturbance and Mitigation Project is underway with disturbance surveys carried out winter 2008/09 and will be published shortly. Phase 1 report ( literature Review) completed and available from Solent Forum website.</li> </ul>
Estuaries	April 2005	<ul style="list-style-type: none"> <li>Cowes Harbour Commissioners completed the second annual waterbird survey and in partnership with Isle of Wight Estuary project have enhanced water side land for use as a high water wader roost site.</li> <li>Much information from monitoring points provided to EN during EA review of consents process.</li> <li>Havant Borough Council - water quality measured regularly along coastline and published by Environmental Health department.</li> <li>Yarmouth Harbour Commissioners have a monitoring scheme underway to assess the extent of changes to the Western Yar saltmarsh and intertidal area over the next 5 years.</li> <li>Isle of Wight Council have undertaken survey work including winter bird counts, and benthic sampling in the Medina Estuary as part of Cowes Waterfront Initiative baseline information.</li> <li>Water quality data from National Marine Monitoring Programme – arrangements for data transfer required through management scheme.</li> </ul>

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Features of Interest	Year	Monitoring
	February 2006	<ul style="list-style-type: none"> <li>• Cowes Harbour Commissioners - Work is underway on a sustainable dredging plan which when developed will include elements of monitoring. Working with IoW Estuaries Project and Cowes Waterfront on modelling of Medina Estuary to allow more informed assessments of cumulative impact of developments. Large amount of survey work including bathymetry and bird use will provide valuable baseline data for future monitoring.</li> <li>• EN - Much information from monitoring points provided to EN during EA review of consents process.</li> <li>• Yarmouth Harbour Commissioners - Monitoring in second year of 5 year scheme to assess extent of change to Western Yar saltmarsh and intertidal area. Monitoring also taking place on Norton Spit at mouth of estuary.</li> <li>• Photogrammetrical analysis of aerial photographs of intertidal habitats in Chichester Harbour completed 2006.</li> </ul>
	February 2007	<ul style="list-style-type: none"> <li>• Cowes Harbour Commissioners - Work continuing on a sustainable dredging plan which when developed will include elements of monitoring. Working with IW Estuaries Project and Cowes Waterfront on Medina Estuary assessment tools to allow more informed assessments of cumulative impact of developments. Large amount of survey work including: fourth year of detailed winter high water and low water bird counts being appraised, and reviewed in context of ten years of other counts; Computer modelling of estuarine processes, potential development impact and sea level rise background nearing completion; Additional cross sectional surveys undertaken to understand changes since last surveys.</li> <li>• Yarmouth Harbour Commissioners - Monitoring in third year of 5 year scheme to assess extent of change to Western Yar saltmarsh and intertidal area. Visitor Use survey carried out over summer 2006 and initial analysis completed. Bird survey underway (Sept – April) and further monitoring planned. Beach litter survey carried out 4 times over the year and project planned for 2007.</li> </ul>

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Features of Interest	Year	Monitoring
	February 2008	<ul style="list-style-type: none"> <li>• Cowes Harbour Commissioners - worked with IW Estuaries Project and Cowes Waterfront on Medina Estuary assessment tools to allow more informed assessments of cumulative impact of developments. Large amount of survey work including bathymetry and bird use provides valuable baseline data for future monitoring.</li> <li>• Yarmouth Harbour Commissioners - Monitoring in fourth year of 5 year scheme to assess extent of change to Western Yar saltmarsh and intertidal area.</li> </ul>
Annual vegetation of drift lines	April 2005	<ul style="list-style-type: none"> <li>• EN Survey of Solent strandline vegetation – a report to Hampshire County Council Report completed in 2001</li> <li>• Flood defence work in relation to shingle banks. Various investigations carried out by local operating authorities.</li> </ul>

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Atlantic salt meadows	A p r i l 2 0 0 5	<ul style="list-style-type: none"> <li>• CASI/LIDAR report provided to EN late December 2004, report currently being reviewed internally before production of final report in February 2005. English Nature is discussing with National Centre for Environmental Data Surveillance (NCED) the possibility of examining changes in habitat / feature extent by comparing previous CASI data available for Southampton Water and the Beaulieu with the newly classified data set currently being finalised.</li> <li>• South East Strategic Regional Monitoring Scoping Study. EN are currently investigating possibilities of obtaining monitoring data from the SE strategic monitoring programme. The programme is driven by the shoreline management plan and is focussed towards physical variables.</li> <li>• HCC and the Agency commissioned a survey in selected areas around the Solent to map to NVC transitional communities, this will shortly be available electronically.</li> </ul>
	February 2006	<ul style="list-style-type: none"> <li>• EN are continuing to discuss the possibility of obtaining monitoring data with the Channel Coast Observatory and other partners.</li> <li>• Photogrammetrical analysis of aerial photographs of intertidal habitats in Chichester Harbour.</li> </ul>
	February 2007	<ul style="list-style-type: none"> <li>• Natural England's involvement in the regional monitoring project has not yet started and is currently on hold.</li> </ul>
<i>Salicornia</i> and other annuals colonising mud and sand	April 2005	<ul style="list-style-type: none"> <li>• CASI/LIDAR report provided to EN late December 2004, report currently being reviewed internally before production of final report In February 2005. English Nature is discussing with NCED the possibility of examining changes in habitat / feature extent by comparing previous CASI data available for Southampton Water and the Beaulieu with the newly classified data set currently being finalised.</li> </ul>
	February 2006	<ul style="list-style-type: none"> <li>• EN - See progress on CASI survey outlined for Atlantic Salt Meadow.</li> </ul>

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Cordgrass swards	April 2005	<ul style="list-style-type: none"> <li>CASI/LIDAR report provided to EN late December 2004, report currently being reviewed internally before production of final report In February 2005. English Nature is discussing with NCED the possibility of examining changes in habitat / feature extent by comparing previous CASI data available for Southampton Water and the Beaulieu with the newly classified data set currently being finalised.</li> </ul>
	February 2006	<ul style="list-style-type: none"> <li>EN - See progress on CASI survey outlined for Atlantic Salt Meadow.</li> </ul>
Intertidal mudflats and sandflats	April 2005	<ul style="list-style-type: none"> <li>CASI/LIDAR report provided to EN late December 2004, report currently being reviewed internally before production of final report In February 2005. English Nature is discussing with NCED the possibility of examining changes in habitat / feature extent by comparing previous CASI data available for Southampton Water and the Beaulieu with the newly classified data set currently being finalised.</li> <li>Solent EMS (SPA) prey availability study. Focused mainly at SPA monitoring, but will also aid intertidal biotope descriptions for SAC area. This study was postponed awaiting the outcome of trials of this approach elsewhere around the country.</li> <li>Surveys of benthic invertebrate communities of intertidal mudflats and sandflats took place in 2005.</li> </ul>
	February 2006:	<ul style="list-style-type: none"> <li>EN - See progress on CASI survey outlined for Atlantic Salt Meadow.</li> <li>Photogrammetrical analysis of aerial photographs of intertidal habitats in Chichester Harbour completed 2006 by Chichester Harbour Conservancy.</li> </ul>
	February 2007	<ul style="list-style-type: none"> <li>NE - Information resulting from the questionnaire regarding the prevalence of bait digging and the scientific paper by Gordon Watson of Portsmouth University should be available in summer 2007.</li> </ul>

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	February 2008	<ul style="list-style-type: none"> <li>• Chichester Harbour – a survey of the invertebrate fauna for assessment of bird prey value – Completed 2007.</li> <li>• Natural England - The prey availability study has been postponed awaiting the outcome of trials of this approach elsewhere around the country. Surveys of benthic invertebrate communities of intertidal mudflats and sandflats took place in 2005.</li> <li>• Gordon Watson’s paper on the effects of bait digging was completed/submitted in January 2007.</li> </ul>
Sandbanks which are slightly covered by seawater all the time	February 2006	<ul style="list-style-type: none"> <li>• EN - There is a possibility of survey work by English Nature looking at this feature in Summer 2006. If this goes ahead it will tie in with survey work looking at Seagrass proposed by HWT and NOC.</li> <li>• Photogrammetrical analysis of aerial photographs of intertidal habitats in Chichester Harbour completed 2006 by Chichester Harbour Conservancy.</li> </ul>
	February 2007	<ul style="list-style-type: none"> <li>• Survey work undertaken in 2006 by Emu Ltd on contract to English Nature of the subtidal sediments of the marine SAC.</li> </ul>
Intertidal reefs (Solent and S’ton Water Ramsar)	April 2005	<ul style="list-style-type: none"> <li>• Bembridge ledges intertidal survey – a phase II biotope survey from Bembridge Point to Whitecliff Bay to provide a baseline of ‘extent’ for intertidal reef features. Field work for this survey completed in October 2004. Final report produced by March 2005.</li> </ul>

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### 4.4.1. Additional Information

Year	Organisation	Comment
February 07	River Hamble Harbour Authority	Run-off from the M27 motorway bridge continues to cause concern. There are no interceptors on the bridge drains and a substantial quantity of polluted water finds its way into the River when it rains. However, far more environmental damage would occur if there was a major oil or chemical spill on the motorway. This has been brought to the attention of the Highways Agency, so far without a positive outcome.
	Natural England	<p><b>Review of Attributes and Baselines</b></p> <p>During the last year NE commissioned Jonathon Cox Associates Ltd to review the existing attributes, and targets identified in the Regulation 33 advice package in order to:</p> <ol style="list-style-type: none"> <li>1. Review whether the attributes, measures and targets are still appropriate for each of the identified features and sub-features of the sites.</li> <li>2. Review available information to further identify baselines against which to assess the condition of features and sub-features of the SEMS.</li> <li>3. Identify any trends either towards or away from favourable condition for each of the features and sub-features of the European sites.</li> </ol> <p>This report can be made available to relevant authorities. Chapter 5 of the review considers trends in feature condition, however it probably does not identify any 'new' trends that most authorities will not already be aware of. The new targets / baseline datasets identified in this report will not immediately replace the existing Regulation 33 Favourable condition table but will instead inform the development of new tables for the individual SSSIs within the SEMS that are currently being drafted.</p>
	ABP	Increasing instances of uncontrolled unauthorised appearances of water gypsies. Existing controls, powers, etc do not appear to be robust enough for rapid resolution of issues raised. Some form of cross-party response co-ordination might be beneficial.

### 5. NOTIFICATIONS OF NEXT UPDATE

This is the fifth in a series of monitoring and progress reports on the implementation of the SEMS Management Scheme. It was undertaken 5 years into the implementation phase of the Scheme. The information in this and the previous reports will form the basis of the

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monitoring and review of the SEMS Management Scheme, which will occur between 2009 - 2010.