# Improvement Programme for England's Natura 2000 Sites (IPENS) Planning for the Future

# Site Improvement Plan Solent

Site Improvement Plans (SIPs) have been developed for each Natura 2000 site in England as part of the Improvement Programme for England's Natura 2000 sites (IPENS). Natura 2000 sites is the combined term for sites designated as Special Areas of Conservation (SAC) and Special Protected Areas (SPA). This work has been financially supported by LIFE, a financial instrument of the European Community.

The plan provides a high level overview of the issues (both current and predicted) affecting the condition of the Natura 2000 features on the site(s) and outlines the priority measures required to improve the condition of the features. It does not cover issues where remedial actions are already in place or ongoing management activities which are required for maintenance.

The SIP consists of three parts: a Summary table, which sets out the priority Issues and Measures; a detailed Actions table, which sets out who needs to do what, when and how much it is estimated to cost; and a set of tables containing contextual information and links.

Once this current programme ends, it is anticipated that Natural England and others, working with landowners and managers, will all play a role in delivering the priority measures to improve the condition of the features on these sites.

The SIPs are based on Natural England's current evidence and knowledge. The SIPs are not legal documents, they are live documents that will be updated to reflect changes in our evidence/knowledge and as actions get underway. The information in the SIPs will be used to update England's contribution to the UK's Prioritised Action Framework (PAF).

The SIPs are not formal consultation documents, but if you have any comments about the SIP or would like more information please email us at IPENSLIFEProject@naturalengland.org.uk, or contact Natural England's Responsible Officer for the site via our enquiry service 0300 060 3900, or enquiries@naturalengland.org.uk

#### This Site Improvement Plan covers the following Natura 2000 site(s)

- UK9011011 Chichester and Langstone Harbours SPA
- UK9011051 Portsmouth Harbour SPA
- UK9011061 Solent & Southampton Water SPA
- UK0030059 Solent Maritime SAC

### **Site description**

The Solent SIP covers the Solent Maritime SAC, Solent and Southampton Water SPA, Portsmouth Harbour SPA and Chichester and Langstone Harbours SPA.

The Solent is a complex site encompassing a major estuarine system on the south coast of England. The Solent and its inlets are unique in Britain and Europe for their hydrographic regime with double tides, as well as for the complexity of the marine and estuarine habitats present within the area. Sediment habitats within the estuaries include extensive areas of intertidal mudflats, often supporting eelgrass *Zostera spp.* and green algae, saltmarshes and natural shoreline transitions, such as drift line vegetation.

All four species of cordgrass found within the UK are present within the Solent and it is one of only two UK sites with significant amounts of the native small cordgrass *Spartina maritima*. The rich intertidal mudflats, saltmarsh, shingle beaches and adjacent coastal habitats, including grazing marsh, reedbeds and damp woodland, support nationally and internationally important numbers of migratory and over-wintering waders and waterfowl as well as important breeding gull and tern populations.

## **Plan Summary**

This table shows the prioritised issues for the site(s), the features they affect, the proposed measures to address the issues and the delivery bodies whose involvement is required to deliver the measures. The list of delivery bodies will include those who have agreed to the actions as well as those where discussions over their role in delivering the actions is on-going.

	Pressure or Threat	Feature(s) affected	Measure	Delivery Bodies
1 Public TI Access/Disturbance	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1210 Annual vegetation of drift lines, H1220 Coastal shingle vegetation outside the reach of waves, Waterbird assemblage	Reduce disturbance through access management, awareness raising and wardening	Hampshire County Council, Natural England, RSPB, Southern Inshore Fisheries Conservation Authority (IFCA), Solent Forum, Harbours and ports, Solent Recreation Mitigation Partnership (SRMP), Partnership for Urban South Hampshire (PUSH)

2 Coastal squeeze	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1140 Intertidal mudflats and sandflats, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, Waterbird assemblage	Investigate options to create alternative habitat	Environment Agency, Natural England, Eastern Solent Coastal Partnership, Southern Coastal Group (SCG), Standing Conference on Problems Associated with the Coastline (SCOPAC)
3 Fisheries: Commercial marine and estuarine	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1110 Subtidal sandbanks, H1140 Intertidal mudflats and sandflats, Waterbird assemblage	Introduce appropriate management measures where required and ensure compliance	Environment Agency, Southern Inshore Fisheries Conservation Authority (IFCA), Sussex Inshore Fisheries Conservation Authority (IFCA)

4 Water Pollution	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1130 Estuaries, H1140 Intertidal mudflats and sandflats, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, Waterbird assemblage	Implement actions in the Diffuse Water Pollution Plan, and investigate further pollution	Environment Agency, Hampshire and Isle of Wight Wildlife Trust, Natural England, Ofwat, Portsmouth Water Plc, RSPB, Rural Payments Agency (RPA), Southern Water Services Ltd, Green Blue, Harbours and ports, Chichester Harbour Authority
5 Changes in species distributions	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, S1016 Desmoulin's whorl snail, Waterbird assemblage	Investigate the causes of change	Hampshire and Isle of Wight Wildlife Trust, Chichester Harbour Authority
6 Climate change	Threat	A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern	Investigate the effects of climate change	Not yet determined

7 Change to site conditions Threat		A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, S1016 Desmoulin`s whorl snail, Waterbird assemblage	Investigate the reasons for change	Not yet determined
8 Invasive species	Threat	A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1110 Subtidal sandbanks, H1140 Intertidal mudflats and sandflats, H1150 Coastal lagoons, H1220 Coastal shingle vegetation outside the reach of waves, H1330 Atlantic salt meadows	Implement the management options to control invasive non-native species (INNS)	Hampshire and Isle of Wight Wildlife Trust
9 Direct land take from development	Threat	H1130 Estuaries, H1140 Intertidal mudflats and sandflats	Option appraisal for private coastal defences	Not yet determined
10 Biological Resource Use	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, Waterbird assemblage	Appropriate egg collection licensing	Not yet determined

11 Change in land management	Threat	A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1150 Coastal lagoons, H1210 Annual vegetation of drift lines, H1220 Coastal shingle vegetation outside the reach of waves, Waterbird assemblage	Ensure appropriate ditch management, and assess the effects of tidal sluice operation	Not yet determined
12 Inappropriate pest control	Threat	A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, Waterbird assemblage	Increase control of foxes	Hampshire and Isle of Wight Wildlife Trust, Hampshire County Council, Natural England, RSPB
13 Air Pollution: impact of atmospheric nitrogen deposition	t of Pressure A046a(NB) Dark-bellied Brent Goose, A050(NB) Wigeon, A054(NB) Pintail, A156(NB) Black-tailed Godwit, A160(NB) Curlew, A164(NB) Common greenshank, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1130 Estuaries, H1150 Coastal lagoons, H1310 Glasswort and other annuals colonising mud and sand, H1330 Atlantic salt meadows, H2120 Shifting dunes with marram		Reduce the impacts of air pollution	Not yet determined
14 Hydrological changes	Threat	H1150 Coastal lagoons, H1320 Cord-grass swards, H1330 Atlantic salt meadows, S1016 Desmoulin`s whorl snail	Review abstraction licenses	Environment Agency
15 Direct impact from 3rd party	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1130 Estuaries, H1140 Intertidal mudflats and sandflats, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, Waterbird assemblage	Assess the activities and their effects	Natural England, Trading Standards Authority, Wildlife Crime Partnership

16 Extraction: non-living resources	Threat	H1110 Subtidal sandbanks, H1140 Intertidal mudflats and sandflats, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows	Investigate the extent and impact of shingle extraction	Not yet determined
17 Other	Threat	A026(NB) Little Egret, A046a(NB) Dark-bellied Brent Goose, A048(NB) Common shelduck, A050(NB) Wigeon, A052(NB) Eurasian teal, A054(NB) Pintail, A056(NB) Shoveler, A069(NB) Red-breasted Merganser, A137(NB) Ringed Plover, A141(NB) Grey Plover, A144(NB) Sanderling, A149(NB) Dunlin, A156(NB) Black-tailed Godwit, A157(NB) Bar-tailed Godwit, A160(NB) Curlew, A162(NB) Common redshank, A169(NB) Turnstone, A176(B) Mediterranean Gull, A191(B) Sandwich Tern, A192(B) Roseate Tern, A193(B) Common Tern, A195(B) Little Tern, H1110 Subtidal sandbanks, H1130 Estuaries, H1140 Intertidal mudflats and sandflats, H1220 Coastal shingle vegetation outside the reach of waves, H1310 Glasswort and other annuals colonising mud and sand, H1320 Cord-grass swards, H1330 Atlantic salt meadows, H2120 Shifting dunes with marram, S1016 Desmoulin`s whorl snail, Waterbird assemblage	Consider/explore boundary change to amend the SAC / SPA designations, to include habitats outside of the existing boundaries	Natural England

### **Issues and Actions**

This table outlines the prioritised issues that are currently impacting or threatening the condition of the features, and the outstanding actions required to address them. It also shows, where possible, the estimated cost of the action and the delivery bodies whose involvement will be required to implement the action. Lead delivery bodies will be responsible for coordinating the implementation of the action, but not necessarily funding it. Delivery partners will need to support the lead delivery body in implementing the action. In the process of developing the SIPs Natural England has approached the delivery bodies to seek agreement on the actions and their roles in delivering them, although in some cases these discussions have not yet been concluded. Other interested parties, including landowners and managers, will be involved as the detailed actions are agreed and delivered. Funding options are indicated as potential (but not necessarily agreed or secured) sources to fund the actions.

#### 1 Public Access/Disturbance

Many human activites in the area can disturb birds. This includes activities such as: walking; dog walking; bird watching; boating; kayaking; kite surfing; hang gliding; paramotors; jet skis; wildfowling; model helicopters/aircraft; boat mooring, and Hovercraft. Recreational activities can also affect annual vegetation of drift lines (H1210) and the vegetation of stony banks (H1220).

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1A	Investigate the effect of recreation upon the annual vegetation of drift lines (H1210) and the perennial vegetation of stony banks (H1220) within the SAC.	£12,000	2015-17	Investigation / Research / Monitoring	Natural England	Natural England	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1B	Identify bird sensitive areas and dog walking zones and investigate alternative dog walking locations through liaison with dog owners.	Not yet determined	2014-17	Investigation / Research / Monitoring	Natural England	Solent Recreation Mitigation Partnership (SRMP)	
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1C	Improve dog owners' awareness of the impact of bird disturbance by dogs, of bird sensitive areas and alternative locations for their activity through liaison with dog owners, interpretation and updating of a website. Investigate access restrictions in most sensitive areas for overwinterng and breeding birds.	£30,000	2015-17	Advice: Education & awareness raising	Natural England	Natural England	Solent Forum

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1D	Improve users' awareness of the bird sensitive areas (refuge areas) and how they can minimise disturbance. Develop and disseminate codes of conduct for both recreational and commercial users using leaflets and interpretation boards.	£20,000	2015-17	Advice: Education & awareness raising	Natural England, Solent Disturbance and Mitigation Project (SDMP)	Local partnership	Solent Forum, Partnership for Urban South Hampshire (PUSH)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1E	Assess the impact of all types of public disturbance (dogs, water sports etc) to breeding birds.	£75,000	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1F	Investigate the effects of all aircraft (including military and model helicopters) upon birds in all areas of the SPA.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Natural England	Hampshire County Council
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1G	Implement the recommendations of the Solent Forum Natural Environment Group projects on canoeing/kayaking and hovercraft /paramotors.	Not yet determined	2015-17	Advice: Education & awareness raising	Not yet determined	Solent Forum	n/a

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1H	Make all Solent Recreation Mitigation Partnership (SRMP) rangers full time, so that they can cover the breeding bird period as well as the wintering bird period.	£250,000 over 5 years	2015-20	Advice: Wardening	Natural England, Landfill tax, Community Infrastructure Levy (CIL), Voluntary conservation organisation	Local partnership	Hampshire and Isle of Wight Wildlife Trust, Hampshire County Council, RSPB, Solent Forum
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
11	Employ a manager to run a team of wardens across the Solent.	£200,000 over 5 years	2015-20	Advice: Wardening	Natural England, Landfill tax, Community Infrastructure Levy (CIL), Voluntary conservation organisation	Local partnership	Solent Forum
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1J	Introduce wardening for water-based recreational activities.	£330,000 over 5 years	2015-20	Advice: Wardening	Natural England, Landfill tax, Community Infrastructure Levy (CIL), Voluntary conservation organisation	Solent Recreation Mitigation Partnership (SRMP)	Southern Inshore Fisheries Conservation Authority (IFCA), Solent Forum, Harbours and ports

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Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1K	Limit access and disturbance to sensitive bird breeding areas and sites by managing: visitor numbers and intensity; screening; temporary movements of paths; notices, and temporary fencing etc.	Not yet determined	2015-20	Advice: Access Strategy	Not yet determined	Natural England	RSPB, Solent Forum, Solent Recreation Mitigation Partnership (SRMP)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1L	Monitor bird response to disturbance; this should include surveying wader and wildfowl roosts and offshore waterfowl and analysing WeBs data.	Not yet determined	2015-20	Investigation / Research / Monitoring	Developer Contributions Scheme (DCS), Solent Recreation Mitigation Partnership (SRMP)	Natural England	Solent Forum
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1M	Investigate the extent of wildfowling to assess whether there is any impact on interest features.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Solent Forum	

#### 2 Coastal squeeze

Habitats are being lost as they are squeezed between rising sea levels and hard coastal defences that are maintained. There is a direct impact due to loss of the SAC habitats such as saltmarsh. There is also an impact on birds due to the loss of habitat for feeding, roosting and breeding. In some areas rising sea levels will result in coastal grasslands being lost to more saline grasslands, thus losing habitat for some breeding waders of the waterbird assemblage. The habitats that are lost could be created elsewhere, but there is difficulty in finding suitable areas. The neutral grassland habitats will take a long time to create as mitigation, but intertidal habitat can be created relatively quickly. Current compensation provides required habitat for Epoch 1 of the Shoreline Management Plan 2, further investigation is required for Epoch 2 and 3. This project will utilise outputs from Shoreline Management Plans, the Environment Agency's Regional Habitat Creation Project and the New Forest District Council/Channel Coastal Observatory's Solent Dynamic Coast Project.

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Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2A	Investigate areas that can be used as compensatory habitat past the 2030 level of Medmerry - next steps in EA Regional Habitat Creation Programme.	Not yet determined	2014-20	Shoreline Management Plan and Strategies	Developer, Local Authority, Flood and Coastal Erosion Risk Management (FCERM) 2015-21	Environment Agency	Natural England, Southern Coastal Group (SCG), Standing Conference on Problems Associated with the Coastline (SCOPAC)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2B	Investigate and identify areas on the north coast of the Isle of Wight that can be used as compensatory habitat for coastal squeeze.	Not yet determined	2014-20	Shoreline Management Plan and Strategies	Developer, Local Authority, Flood and Coastal Erosion Risk Management (FCERM) 2015-21	Environment Agency	Natural England, Southern Coastal Group (SCG), Standing Conference on Problems Associated with the Coastline (SCOPAC)

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2C	Provide alternative grazing marsh habitat to compensate for habitat loss as a result of managed realignment schemes, to compensate for coastal squeeze.	£2,000,000	2014-20	Shoreline Management Plan and Strategies	Developer, Local Authority, Flood and Coastal Erosion Risk Management (FCERM) 2015-21	Environment Agency	Natural England, Southern Coastal Group (SCG), Standing Conference on Problems Associated with the Coastline (SCOPAC)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2D	Investigate options and sites for habitat creation for SPA breeding birds.	£30,000	2015-20	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2E	Encourage land owners to consider soft engineering approaches to coastal defence.	Not yet determined	2014-20	Implementation Of Appropriate Coastal Management	Not yet determined	Local partnership	Environment Agency, Eastern Solent Coastal Partnership
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
2F	Investigate causes of SPA breeding bird shifts in population and whether these are local/national/international trends, or site-specific declines.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a

#### 3 Fisheries: Commercial marine and estuarine

Dredges (inc. Hydraulic), Benthic trawls and seines and Shore-based activities are categorised as 'Red' for these interest features (and specifically the sub-features: Intertidal muddy sand communities; Subtidal eelgrass *Zostera marina* beds as part of Defra's revised approach to commercial fisheries management in European Marine Sites (EMS), and requisite mechanisms are being or will be implemented by Southern IFCA and Sussex IFCA.

Commercial fishing activities categorised as 'amber or green' under Defra's revised approach to commercial fisheries in EMSs require assessment and (where appropriate) management. This assessment will be undertaken by SIFCA. For activities categorised as 'green', these assessments should take account of any in-combination effects of amber activities, and/or appropriate plans or projects, in the site.

Towed gear, hand gathering of shellfish, bait digging and aquaculture are the main fishery activities in this site.

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
3A	Commercial fisheries activities categorised as 'amber/green' under Defra's revised approach to commercial fisheries in European Marine Sites (EMS) are being assessed by Southern IFCA and Sussex IFCA to determine whether management is required. Where the assessments inidicate management is required, introduce appropriate measures.	Not yet determined	2014-16	Regulation: Creation / amendment of byelaws	Not yet determined	Southern Inshore Fisheries Conservation Authority (IFCA)	Environment Agency, Sussex Inshore Fisheries Conservation Authority (IFCA)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
3В	If management measures are established, ensure compliance with bye-laws and provide an appropriate level of reporting to ensure sites are well managed and to enable Natural England to provide advice on the condition of the features and potential ongoing condition threats. Ongoing action.	Not yet determined	2014-20	Regulation: Creation / amendment of byelaws	Not yet determined	Southern Inshore Fisheries Conservation Authority (IFCA)	Sussex Inshore Fisheries Conservation Authority (IFCA)

#### **4 Water Pollution**

Water pollution affects a range of habitat and bird species at the site through eutrophication and toxicity. Sources include both point source discharges (including flood alleviation / storm discharges) and diffuse water pollution from agriculture / road runoff, as well as historic contamination of marine sediments, primarily from copper and Tributyltin (TBT). Environment Agency flood event discharge consents allow untreated waters to be discharged which end up in the SAC and are likely to have a negative impact. There is a threat of spillage from Oil Transportation and Transfer and by the usage by Ships & Pilotage.

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Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4A	Investigation into the sources of high marine background nitrogen, and identification of mechanisms for improvement if possible.	Not yet determined	2015-16	Investigation / Research / Monitoring	Not yet determined	Environment Agency	Natural England
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4B	Collect data on the distribution, extent and biomass of macroalgae mats in the Solent area, to help monitor the impact of water pollution from nitrogen inputs to the Solent.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Environment Agency	Chichester Harbour Conservancy , Natural England
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4C	Review the evidence and revise Common Standards Monitoring guidance to include appropriate targets for macroalgae cover for littoral sediment habitats.	Not yet determined	2014-16	Investigation / Research / Monitoring	Not yet determined	Environment Agency/ Natural England	Hampshire and Isle of Wight Wildlife Trust, RSPB
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4D	Regularly monitor Nitrogen and Phosphorus concentrations entering the Solent area, to help monitor the extent of water pollution from Nitrogen and Phosphorus inputs.	Not yet determined	2015-20	Investigation / Research / Monitoring	Not yet determined	Environment Agency	n/a

Actio	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4E	Offset additional nitrogen inputs from new development, through the adoption of a Local Planning Authority Implementation Plan.	Not yet determined	2014-16	Regulation: Grant Appropriate Planning Permission	Developer Contributions Scheme (DCS)	Natural England	n/a
Actio	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4F	Reduce the Nitrogen load from sewerage systems within the catchment, to secure compliance with the Urban Waste Water Treatment Directive.	Not yet determined	2015-20	Water Industry Asset Management Plan (AMP): Implement Plan Scheme	Not yet determined	Environment Agency	Ofwat, Southern Water Services Ltd
Actio	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4G	Reduce Nitrogen from agricultural diffuse pollution, through catchment- wide delivery of the options under the New Environmental Land Management Scheme (part of implemention of the Agricultural Implemention Plan for the Nutrient Management Strategy).		2016-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	Rural Development Programme (RDPE)	Natural England	Environment Agency
Actio	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4H	Reduce Nitrogen from agricultural diffuse pollution, through securing and implementing delivery of Catchment Sensitive Farming partnership project (Downs and Harbours Clean Water Partnership).	Not yet determined	2015-20	England Catchment Sensitive Farming (CSF)	Not yet determined	Local partnership	Environment Agency, Hampshire and Isle of Wight Wildlife Trust, Natural England, Portsmouth Water Plc

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Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
41	Run equine management awareness training events to address run-off, nutrients and dirty yard water entering watercourses from stables and equine pasture.	Not yet determined	2015-20	Advice: Education & awareness raising	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4J	Reduce Nitrogen from agricutural diffuse pollution through implementing tighter measures in Cross Compliance and the Nitrate Vulnerable Zone (NVZ) Action Programme, especially in relation to thin (chalk) soils and drinking water source protection zones.	Not yet determined	2015-20	Regulation: Other - obtain appropriate permissions	Not yet determined	Environment Agency	Rural Payments Agency (RPA)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4K	Undertake farm visits within the priority areas to provide pollution prevention advice, and raise awareness of the catchment issues and the impacts of agriculture on SSSIs.	Not yet determined	2015-20	Advice: Education & awareness raising	Not yet determined	Environment Agency	Chichester Harbour Authority
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4L	Secure funding for a Catchment Sensitive Farming (CSF) project beyond March 2015.	Not yet determined	2015-17	Mechanism not identified / develop mechanism	Not yet determined	Local partnership	Environment Agency, Natural England

Act. 4M	ion Action description Ensure the delivery of the Test, Itchen and Alresford Pond Diffuse Water Pollution Plan (DWPP).	Cost estimate Not yet determined	<i>Timescale</i> 2015-17	<i>Mechanism</i> Diffuse Water Pollution Plan	<i>Funding option</i> Not yet determined	<i>Delivery lead body</i> Not yet determined	<i>Delivery partner(s)</i> n/a
Act. 4N	ion Action description Annually Review the Solent Diffuse Water Pollution Plan.	Cost estimate Not yet determined	<i>Timescale</i> 2015-20	<i>Mechanism</i> Diffuse Water Pollution Plan	<i>Funding option</i> Not yet determined	<i>Delivery lead body</i> Natural England	<i>Delivery partner(s)</i> Environment Agency
Act. <b>40</b>	ion Action description Secure funding to build on the Love Where You Sail campaign, to raise awareness amongst recreational boat users to encourage the use of shore-side toilet facilities, holding tanks where fitted, and disposal of waste at pump-out facilities. Where direct discharge of sewage is necessary, encourage this as far offshore as possible in areas where strong currents ensure dispersion and dilution.	Cost estimate Not yet determined	<i>Timescale</i> 2015-17	<i>Mechanism</i> Advice: Education & awareness raising	Funding option Not yet determined	<i>Delivery lead body</i> Chichester Harbour Authority	<i>Delivery partner(s)</i> Environment Agency, Green Blue, Harbours and ports

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4P	Set targets for favourable condition using the outputs from the Solent Nitrate Project.	Not yet determined	2015-17	Advice: Review Conservation Objectives	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
	Investigate the effects of eroding coasts at areas with historic landfill sites and potential for leaching of chemicals etc.	Not yet determined	2015-16	Investigation / Research / Monitoring	Landfill tax	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
	Investigate the sources and effects of Copper and Tributylin (TBT) in water bodies shown to have effects (e.g. River Hamble), to determine whether any management intervention is required.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
4S	Investigate the frequency and effects of storm discharges from further upstream in rivers that enter the Solent area, including the impacts of saline incursion.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Environment Agency	n/a

#### 5 Changes in species distributions

Many waders and wildfowl are decreasing in the Solent probably as they move north and east under national trends. Some fish, such as Sand eels, may be moving their breeding grounds resulting in less food availability for breeding terns. Invertebrate populations in the intertidal muds are changing and this may disadvantage some wintering wader species. Desmoulin's Whorl Snail has decreased dramatically. Areas of salt-marsh are eroding and decreasing resulting in decreasing breeding gulls and terns as their habitat decreases and decreasing plant species of salt-marshes.

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
5A	Resurvey all potential and previous sites for Desmoulin's whorl snail within the SAC, in order to establish distribution, abundance, habitat suitability and site management recommendations. This investigation should incorporate results from the 2004 Portsmouth Water report of Fishbourne.	£1,200	2015-16	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
5B	Investigate reasons for changes in distribution at local, national and international level of wintering birds, concentrating on species with high alerts that do not reflect national trends (shelduck, ringed plover, sanderling, and dunlin).	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
5C	Survey and assess the distribution and abundance of all <i>Spartina</i> species in the Solent in order to assess the extent of any die-back, and to provide evidence with which to guide further action.	Not yet determined	2015-16	Investigation / Research / Monitoring	Not yet determined	Chichester Harbour Authority	n/a

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)		
5D	Let a short term contract to collate all information, studies and surveys of the Solent.	Not yet determined	2015-16	Investigation / Research / Monitoring	Not yet determined	Hampshire and Isle of Wight Wildlife Trust	n/a		
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)		
5E	Assess the Wetland Bird Survey (WeBS) and Seabird monitoring programme data for the whole of each SPA since classification, in order to inform trends in species populations.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a		
6 Cli	mate change								
	te change has impacts upon coastal sp	ecies, in that gull	and tern colonie	es are more frequently	washed out with ra	ising sea levels when stor	m surges cause flooding		
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)		
6A	Investigation into the effects of climate change on bird breeding areas suffering more washouts due to rising sea levels.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a		
7 Ch	ange to site conditions								
There is an increasing loss of salt-marsh in much of the Solent for reasons unknown, and this needs to be investigated.									
There									
	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)		
	-	<i>Cost estimate</i> £15,000	<i>Timescale</i> 2015-16	<i>Mechanism</i> Investigation / Research / Monitoring	Funding option Not yet determined	<i>Delivery lead body</i> Not yet determined	<i>Delivery partner(s)</i> n/a		

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)				
7B	Investigate the potential for recharge/re-creation of salt-marsh that is being lost, using information from the Solent Capital Dredge Scoping report, work undertaken by ABP on behalf of Wight Link at Boiler Marsh Lymington, and the Crown Estate report of the beneficial reuse project at Lymington Harbour.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a				
8 Inv	asive species										
The highest risk pathways through which marine INNS are introduced and then spread have been identified as: commercial shipping (through release of ballast water, and biofouling on hulls); recreational boating (through biofouling on hulls); aquaculture (through contamination of imported or moved stock - or escaped stock in the case of the pacific oyster), and natural dispersal.											
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)				
8A	Implement measures for invasive species including options/capital works, to combat Himalayan Balsam, <i>Rosa rugosa</i> and other shingle invasive plants.	Not yet determined	2014-20	Rural Development Programme for England (RDPE): Environmental Stewardship Higher Level Scheme (HLS)	Not yet determined	Not yet determined	n/a				
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)				
	Assess the extent of the current	Not yet	2015-17	Investigation /	Not yet	Not yet determined	n/a				

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
8C	Secure funding for Solent Aliens Project.	Not yet determined	2015-17	Invasive Control Plan: Invasive Species Control Programme	Not yet determined	Hampshire and Isle of Wight Wildlife Trust	n/a
	ect land take from development						
	e sea defences are causing disruption	•		•			5 "
	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
9A	Commission a study or options appraisal to inform advice regarding coastal defences under private ownership, to avoid direct land take from Natura 2000 sites and preventing natural processes.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
10 Bi	iological Resource Use						
	gg collecting occurs in some places, ar re licenced/consented at the moment.	nd wildfowling oc	curs in several	places. These activities	s are likely to be dis	turbing to breeding and w	intering birds even the
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
10A	Ensure that, through egg collection licensing, there is a continuation of closed areas that are not harvested, as well as areas that are collected.	Not yet determined	2015-20	Regulation: Issue Appropriate Notice/Consent	Not yet determined	Not yet determined	n/a
11 C	hange in land management						
Chang sluices	ges to land management are likely to or s are failing, which may also result in cl gement, resulting in changes.	ccur in areas whe nanges to water l	ere tidal flaps/sl evels or salinity	uices are altered and t of land. Some ditches	his results in change and drains are neg	es to water levels or salini lected and this can cause	ty of that land. Some difficulties in land
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
11A	Assess the effects of poorly operating tidal sluices upon the habitats, species, water levels, salinity and management upstream,	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
11B	Implement the management of ditches.	Not yet determined	2014-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	Not yet determined	Not yet determined	n/a
	appropriate pest control						
	or control is decreasing, resulting in in		-	•			
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
12A	Collate information on the best methods of preventing foxes from disrupting breeding gulls and terns.	£9,000	2015-16	Investigation / Research / Monitoring	Not yet determined	RSPB	Hampshire and Isle of Wight Wildlife Trust, Hampshire County Council
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
12B	Work with landowners to increase the control of foxes in order to reduce predation on gull and tern	Not yet determined	2014-20	Advice: Negotiation	Not yet determined	Natural England	Landowner(s)
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
12C	Investigate the effects of Buzzard predation upon breeding SPA birds within the SPA, or collate known information.	£8,000	2015-17	Investigation / Research / Monitoring	Not yet determined	RSPB	Hampshire County Council

13 A	13 Air Pollution: impact of atmospheric nitrogen deposition											
Nitrog	en deposition exceeds site relevant crit	ical loads. Locall	y observed effe	cts are unknown.								
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)					
13A	Control, reduce and ameliorate atmospheric nitrogen impacts.	Not yet determined	2014-20	Site Nitrogen Action Plan	Not yet determined	Not yet determined	Not yet determined					
14 H	ydrological changes											
	eld Haven has a high level of water abs is causing saline intrusion into non-salir				uld be too low in th	e SAC/SPA . Percolation of	of sea water through sea					
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)					
14A	Review abstraction licences and assess the potential impacts of them.	Not yet determined	2015-20	Water Industry Asset Management Plan (AMP): Abstraction Licence	Not yet determined	Environment Agency	n/a					
15 D	irect impact from 3rd party											
coast.	ading is causing damage to some area Military helicopters cause disturbance ng issues affecting large areas of Chich	to wintering birds										
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)					
15A	Investigate how wide the problem of off-roading is and the its effects (disturbance) upon wintering and breeding birds.	Not yet determined	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a					
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)					
15B	Investigate mechanism/protocol (working with Trading Standards) to enable the removal of illegally grazing animals (fly grazing), as the lack of control of the grazing can lead to unfavourable condition of the grassland areas for breeding and wintering birds through overgrazing.	Not yet determined	2014-16	Investigation / Research / Monitoring	Not yet determined	Natural England	Trading Standards Authority, Wildlife Crime Partnership					

Action 15C	Action description Assess any licences issued for the shooting of Brent Geese in order to ensure that licensed killing for crop protection purposes is carried out only as a last resort and in a way that does not impact on the Brent Goose population in the Solent SPA. This is particularly important as Brent Goose numbers are decreasing nationally.	Cost estimate Not yet determined	<i>Timescale</i> 2014	<i>Mechanism</i> Investigation / Research / Monitoring	Funding option Not yet determined	<i>Delivery lead body</i> Natural England	<i>Delivery partner(s)</i> n/a
16 Extraction: non-living resources Shingle extraction for aggregates may have an adverse impact upon intertidal fauna and flora, and may affect the movement of coastal sediments that would in turn have an impact upon intertidal habitats.							
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
16A	Investigate the extent and effects of shingle extraction from within Natura 2000 sites.	£9,000	2015-17	Investigation / Research / Monitoring	Not yet determined	Not yet determined	n/a
17 O	ther						
SAC/SPA boundaries may not cover the extent of all Annex 1 and Annex 2 features and/or supporting habitats.							
Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
17A	Consider boundary change to amend the SAC / SPA designation, to include habitats outside of the existing boundaries and assess the suite of habitats and species currently designated.	£12,000	2015-17	Designation strategy (SSSI)	Natural England	Natural England	n/a

# Site details

The tables in this section contain site-relevant contextual information and links

# Qualifying features

#UK Special responsibility	
Chichester and Langstone Harbours SPA	A046a(NB) Branta bernicla bernicla: Dark-bellied brent goose
	A069(NB) Mergus serrator: Red-breasted merganser
	A052(NB) Anas crecca: Eurasian teal
	A048(NB) Tadorna tadorna: Common shelduck
	A054(NB) Anas acuta: Northern pintail
	A157(NB) Limosa lapponica: Bar-tailed godwit
	Waterbird assemblage
	A160(NB) Numenius arquata: Eurasian curlew
	A050(NB) Anas penelope: Eurasian wigeon
	A056(NB) Anas clypeata: Northern shoveler
	A162(NB) Tringa totanus: Common redshank
	A141(NB) Pluvialis squatarola: Grey plover
	A144(NB) Calidris alba: Sanderling
	A149(NB) <i>Calidris alpina alpina</i> : Dunlin
	A169(NB) Arenaria interpres: Ruddy turnstone
	A191(B) Sterna sandvicensis: Sandwich tern
	A193(B) Sterna hirundo: Common tern
	A195(B) Sterna albifrons: Little tern
	A137(NB) Charadrius hiaticula: Ringed plover
Portsmouth Harbour SPA	A046a(NB) Branta bernicla bernicla: Dark-bellied brent goose
	A069(NB) Mergus serrator: Red-breasted merganser
	A156(NB) Limosa limosa islandica: Black-tailed godwit
	A149(NB) <i>Calidris alpina alpina</i> : Dunlin

Solent & Southampton	n Water SPA		A046a(NB) Branta bernicla bernicla: Dark-bellied brent goose	
			A052(NB) Anas crecca: Eurasian teal	
			A156(NB) Limosa limosa islandica: Black-tailed godwit	
			Waterbird assemblage	
			A176(B) Larus melanocephalus: Mediterranean gull	
			A191(B) Sterna sandvicensis: Sandwich tern	
			A192(B) Sterna dougallii: Roseate tern	
			A193(B) Sterna hirundo: Common tern	
			A195(B) Sterna albifrons: Little tern	
			A137(NB) Charadrius hiaticula: Ringed plover	
Solent Maritime SAC			H1110 Sandbanks which are slightly covered by sea water all the time	
			H1320 Spartina swards (Spartinion maritimae)	
			H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	
			S1016 Vertigo moulinsiana: Desmoulin`s whorl snail	
			H1130 Estuaries	
			H1210 Annual vegetation of drift lines	
			H1220 Perennial vegetation of stony banks	
			H1140 Mudflats and sandflats not covered by seawater at low tide	
			H2120 Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	
			H1150# Coastal lagoons	
			H1310 Salicornia and other annuals colonising mud and sand	
Site location and I	inks			
Chichester and Langs		PA		
Area (ha) 5810.03	Grid reference	SU761014	Map link	
Local Authorities			City of Portsmouth; Hampshire; West Sussex	
Site Conservation Obje	ctives		European Site Conservation Objectives for Chichester and Langstone Harbours SPA	

Solent Maritime EMS

Regulation 33/35 package link

European Marine Site conservation advice

Regulation 33/35 Package

Marine Management Organisation site plan	<u>n/a</u>		
Portsmouth Harbour SPA			
Area (ha) 1248.77 Grid reference SU616036	Map link		
Local Authorities	City of Portsmouth; Hampshire		
Site Conservation Objectives	European Site Conservation Objectives for Portsmouth Harbour SPA		
European Marine Site conservation advice	Solent Maritime EMS		
Regulation 33/35 Package	Regulation 33/35 package link		
Marine Management Organisation site plan	<u>n/a</u>		
Solent & Southampton Water SPA			
Area (ha) 5505.86 Grid reference SZ335936	Map link		
Local Authorities	Hampshire; Isle of Wight; Southampton		
Site Conservation Objectives	European Site Conservation Objectives for Solent & Southampton Water SPA		
European Marine Site conservation advice	Solent Maritime EMS		
Regulation 33/35 Package	Regulation 33/35 package link		
Marine Management Organisation site plan	<u>n/a</u>		
Solent Maritime SAC			
Area (ha) 11325.09 Grid reference SU756003	Map link		
Local Authorities	City of Portsmouth; City of Southampton; Hampshire; Isle of Wight; West Sussex		
Site Conservation Objectives	European Site Conservation Objectives for Solent Maritime SAC		
European Marine Site conservation advice	Solent Maritime EMS		
Regulation 33/35 Package	Regulation 33/35 package link		
Marine Management Organisation site plan	<u>n/a</u>		

#### Water Framework Directive (WFD)

The Water Framework Directive (WFD) provides the main framework for managing the water environment throughout Europe. Under the WFD a management plan must be developed for each river basin district. The River Basin Management Plans (RMBP) include a summary of the measures needed for water dependent Natura 2000 sites to meet their conservation objectives. For the second round of RBMPs, SIPs are being used to capture the priorities and new measures required for water dependent habitats on Natura 2000 sites. SIP actions for non-water dependent sites/habitats do not form part of the RBMPs and associated consultation.

#### **Chichester and Langstone Harbours SPA**

River basin	South East	South East RBMP				
WFD Management catchment	Arun & Western Streams	Arun & Western Streams				
WFD Waterbody ID (Cycle 2 draft)	GB107041006520, GB107041012350					
Portsmouth Harbour SPA						
River basin	South East	South East RBMP				
WFD Management catchment	East Hampshire					
WFD Waterbody ID (Cycle 2 draft)	n/a					
Solent & Southampton Water SPA						
River basin	South East	South East RBMP				
WFD Management catchment	East Hampshire, Isle of Wight, New Forest, Test & Itchen					
WFD Waterbody ID (Cycle 2 draft)	GB107042011170, GB107042011190, GB107042011220, GB107042011300, GB107042011330, GB107042016340, GB107042016640, GB107042016840, GB107101005971, GB107101006020, GB107101006100, GB30745606, GB30745790					
Solent Maritime SAC						
River basin	South East	South East RBMP				
WFD Management catchment	Arun & Western Streams, Isle of Wight, New Forest					
WFD Waterbody ID (Cycle 2 draft)	GB107041006520, GB107041012350, GB107042011170, GB107042011190, GB107042011300, GB107042011330, GB107042016340, GB107101006020					

# Overlapping or adjacent protected sites

Site(s) of Special Scientific Interest (SSSI)	
Chichester and Langstone Harbours SPA	Chichester Harbour SSSI
	Langstone Harbour SSSI
Portsmouth Harbour SPA	Portsmouth Harbour SSSI
Solent & Southampton Water SPA	Hythe to Calshot Marshes SSSI
	Upper Hamble Estuary & Woods SSSI
	Newtown Harbour SSSI
	Titchfield Haven SSSI
	Sowley Pond SSSI
	The New Forest SSSI
	North Solent SSSI
	Lymington River Reed Beds SSSI
	Thorness Bay SSSI
	Lincegrove & Hackett's Marshes SSSI
	River Test SSSI
	Hurst Castle & Lymington River Estuary SSSI
	Yar Estuary SSSI
	Whitecliff Bay & Bembridge Ledges SSSI
	Medina Estuary SSSI
	King's Quay Shore SSSI
	Eling & Bury Marshes SSSI
	Lower Test Valley SSSI
	Lymington River SSSI
	Brading Marshes to St Helen's Ledges SSSI
	Ryde Sands & Wootton Creek SSSI
	Lee-on-the Solent to Itchen Estuary SSSI

Solent Maritime SAC	Hythe to Calshot Marshes SSSI
	Lee-on-the Solent to Itchen Estuary SSSI
	Upper Hamble Estuary & Woods SSSI
	Bouldnor & Hamstead Cliffs SSSI
	Newtown Harbour SSSI
	Bracklesham Bay SSSI
	Chichester Harbour SSSI
	North Solent SSSI
	Lower Test Valley SSSI
	Langstone Harbour SSSI
	Thorness Bay SSSI
	Hurst Castle & Lymington River Estuary SSSI
	Yar Estuary SSSI
	Medina Estuary SSSI
	King's Quay Shore SSSI
	Eling & Bury Marshes SSSI
	Lincegrove & Hackett's Marshes SSSI
National Nature Reserve (NNR)	
Chichester and Langstone Harbours SPA	n/a
Portsmouth Harbour SPA	n/a
Solent & Southampton Water SPA	Newtown Harbour NNR
	North Solent NNR
	Titchfield Haven NNR
Solent Maritime SAC	Newtown Harbour NNR
	North Solent NNR
Ramsar	
Chichester and Langstone Harbours SPA	Chichester and Langstone Harbours

Portsmouth Harbour SPA Solent & Southampton Water SPA Solent Maritime SAC	Portsmouth Harbour Solent & Southampton Water Chichester and Langstone Harbours Solent & Southampton Water		
Special Areas of Conservation (SAC) and Special Protection Areas (SPA)			
Chichester and Langstone Harbours SPA	Solent Maritime SAC		
	Solent & Isle of Wight Lagoons SAC		
Portsmouth Harbour SPA	n/a		
Solent & Southampton Water SPA	South Wight Maritime SAC		
	Solent Maritime SAC		
	Solent & Isle of Wight Lagoons SAC		
Solent Maritime SAC	Solent & Southampton Water SPA		
	Chichester and Langstone Harbours SPA		

Version	Date	Comment
1.0	07/10/2014	

