



Natura 2000 & European Marine Site

# **Annual Management Plan**

## **2016 - 2017**

### **Living Version 1**

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## Background

The Wash and North Norfolk Coast European Marine Site (WNNC EMS) management scheme has been running since 2002 with the aim to safeguard marine wildlife and habitats designated under EU and UK law, while encouraging sustainable use of the European marine site. The management objectives are broken down into time scaled actions which were drawn up in consultation with Relevant Authorities (RAs) and stakeholders. RAs and others report on progress against these management actions on an annual basis.

The Annual Management Plan is composed of four parts:

- Part One: Monitoring
- Part Two: Appropriate Assessments
- Part Three: Relevant Authority Management
- Part Four: Action Plan

## Part One: Monitoring

The Habitats Directive require that a condition monitoring programme is undertaken to monitor the condition of the conservation features of the WNNC EMS, and ensure the conservation objectives for each feature are being met. This also provides feedback on the effectiveness of the management measures against the conservation objectives. Relevant Authorities (RAs) and other organisations may also supply Natural England with information to inform the condition monitoring programme. In addition, partnership agreements are in place to share all survey and monitoring information to inform WNNC EMS condition monitoring programme. The monitoring programmes taking place enable condition assessment of site features and will contribute to the EU Commission report (Article 17) undertaken every six years.

A key strength of WNNC EMS management scheme is that it derives information on activities and potential risks to site features from a range of sources including the Advisory Group network, Incident Recording Process and risk assessments and survey evidence gathered through condition assessments and compliance monitoring carried out by RAs in fulfilment of their monitoring obligations. This combined information on activities and potential pressures on site conservation features is used to highlight key management requirements which are reviewed annually through the Action Plan (Part Four).

New monitoring programmes were introduced in 2009, following the unfavourable condition status of interest features in 2008. Table 1 outlines monitoring programmes that have been undertaken during 2014 and 2015, and where available an online link is provided to these data. In addition, Natural England will be undertaking feature monitoring to inform condition assessment and management advice with projects to be completed by the end March 2017.

**Table 1.** Monitoring Programmes Undertaken In Order to Assess Management Requirements of The Wash and North Norfolk Coast European Marine Site

Responsibility	Type of survey	Results	
		2014	2015
<b>Shoreline Monitoring Programme</b>			
Environment Agency - Anglian Coastal Monitoring	Bathymetric	Monitoring programme. All surveys undertaken and reported annually see <a href="#">Anglian Coastal Monitoring report</a> for info /full extents.	
	Beach topographic surveys		
	Hydrodynamic monitoring		
	Laser scan survey		
	LiDAR surveys		
	Aerial photography		
<b>Wash Intertidal Survey</b>			
Natural England Eastern IFCA Environment Agency	Intertidal invertebrate	No further monitoring currently planned. The 2012 survey will be used to inform condition for this reporting cycle.	
	W&NNC Large Shallow Inlets and Bay Baseline Monitoring Survey	This report is complete and is available on request (this is for subtidal stony reef).	Survey with EA, grab sampling of the subtidal sandbanks and large shallow inlet and bay features
<b>Coastal Habitats</b>			
Natural England	Data collation, extent and distribution assessment (in house monitoring of extent and location, salinity, pH) of NNC coastal lagoons	Reports are available for the lagoon biotope monitoring work carried out on the North Norfolk coast in 2013.	NE carried out monitoring of the 3 lagoons at Snettisham as well as Broad Water, Salts Hole and Abrahams Bosom. This should be completed by the end of FY15/16.
Natural England Environment Agency	Condition monitoring of saltmarsh features in WNNC SAC	NE undertook WNNC Saltmarsh Surveys: Transitional & Low to Upper Marsh Communities during FY 13/14.	Completed. <a href="#">Volume one – The Wash</a> & <a href="#">volume two – North Norfolk Coast</a> reports available via links.
<b>SPA Features</b>			
Natural England Wetland Bird Survey	WeBS bird counts	NE use WeBs counts, data found <a href="#">here</a> .	
	Investigation into the decline of SPA birds in The Wash.		Wash User SSSI Project conducted in 2015 report available
	Breeding birds	Surveys on saltmarsh, sand dunes and freshwater marsh, led by Michael Rooney	
National Trust	Breeding birds	Report available via NT	Report available via NT
Norfolk Wildlife Trust	Monitoring of shore birds		Data held by NWT
WNNC EMS	Offshore sea duck	Data held by WNNC EMS and shared with BTO	Data held by WNNC EMS and shared with BTO
<b>Seal (<i>Phoca vitulina</i>) Survey</b>			
Natural England Sea Mammal Research Unit	Annual moult survey	SMRU reports found <a href="#">here</a> . NE breeding <i>P. vitulina</i> was undertaken in July/August 2015.	Annual breeding seal survey undertaken. SMRU report found <a href="#">here</a> .
	Annual breeding counts		
	Seal scat survey		
<b>Otter (<i>Lutra lutra</i>) Survey</b>			
Environment Agency	Confirming presence of species at sites previously recorded	Fifth Otter Survey of England and Wales (2009-10) is available <a href="#">here</a>	Not applicable, 2009-10 is latest trend report.

Responsibility	Type of survey	Results	
		2014	2015
Shellfish Surveys (features: intertidal mud and sand flats / sub features: cockle and mussel beds)			
Eastern IFCA	Spring cockle	Completed, EIFCA Research Reports available <a href="#">here</a> .	
	Titchwell Marsh Mussel Survey	Stock assessment survey undertaken. Total seed stock 30 tonnes. Report available <a href="#">here</a> .	Completed in 2015, report available.
	Summer sub-littoral mussel	No sub-littoral mussel surveys conducted by EIFCA in WNNC EMS since 2013. But sub-littoral habitat surveys conducted w no mussel habitats found	
	Review of Wash Fishery Order lay consents (review of impacts of mussel cultivation on the European Marine Site);	EIFCA processing outstanding applications for Wash Lays under WFO (1992). Consultation with NE to ensure that new lays will not have an effect on conservation objectives of the Wash.	Completed. Still moratorium in place on new lay applications
	Intertidal mussel	Small tonnage fishery in 2014. Adult stock remains low. Two new beds identified however overall stock decline to 10,127 tonnes. Recruitment particularly poor during 2014.	Adult stock biomass remains low, recruitment poor. Stock fallen below Conservation Objective target thresholds. Results in WFO Mussel Surveys 2015 <a href="#">report</a> .
	Study on impact of hand worked cockle industry	NE undertook study into damage to sediment and piling up of cockles through prop wash practice. Results pending.	Study by carried out by NE from 2014/15 investigating the effects of cockle fishing using prop-washing on sediment and infaunal communities. Completed summer 2015.
	Mussel Regeneration project	EIFCA commenced trials into mussel bed regeneration techniques on The Trial Bank. Report can be found <a href="#">here</a> . Study will continue into 2015.	Mussel bed regeneration techniques continued additional trials postponed until March 2016. Results within WFO Mussel Surveys 2015 <a href="#">report</a> .
Natural England	Le Strange Cockle Survey	Cockle survey report for 14/15 has been finalised (commercial in confidence so unable to share).	Cockle bed monitoring has continued for FY 15/16.
Sabellaria Reef and Boulder and Subtidal Stony Reef Surveys			
Eastern IFCA Natural England	Condition monitoring of <i>S. spinulosa</i> and subtidal stony reef in The Wash	Change in approach to fisheries management by Defra. <i>Sabellaria spinulosa</i> reef categorised as high risk to towed gear types; byelaw brought in (May 2014) to prevent damage to <i>S. spinulosa</i> in WNNC SAC. NE commissioned Large Shallow Inlet and Bay baseline monitoring survey; identified location of Annex 1 'hard subtidal substrate' features within the survey areas with particular reference to <i>S. spinulosa</i> and subtidal stony reef. 25% side scan sonar coverage of the site continued in 13/14.	<i>Sabellaria spinulosa</i> last surveyed June/July/October 2015 and subtidal stony reef ongoing.
Shark By-Watch			
Eastern IFCA	The Wash Skate and Ray fishery, habitat mapping	Not applicable	Range of habitat types identified. Results can be found in 'The Wash Skate and Ray Fishery, Habitat Mapping report <a href="#">here</a> .

Responsibility	Type of survey	Results	
		2014	2015
<b>North Norfolk Coast Seagrass Survey</b>			
Natural England	Condition monitoring of feature NNC SAC	Survey completed (2013) to assess the condition of seagrass beds along the North Norfolk Coast. Reports available.	Not applicable
Wells Harbour Authority	Monitor eel grass as part of marine licence		Data reported to MMO. Annual report available.
<b>Water quality</b>			
Environment Agency (Water Framework Directive – Good Ecological Status by 2015)	Monitoring of rivers discharging into the WNNC EMS	Rivers discharging into EMS are classed as moderate, main issue dissolved inorganic nitrate (DIN). Further investigations.	
	Monitoring of emissions to air and water to assess compliance	Licensees who negatively affected the W&NNC EMS contacted.	
	Monitoring of bathing water quality	Ongoing monitoring and investigations to assess water quality status. WFD data obtained (e.g. phytoplankton for The Wash)	
EIFCA	Monitoring of water quality	Continuous data collected via sonde until late 2014.	Data collected on monthly basis.
<b>Non-native Invasive Species</b>			
EIFCA	Monitoring of Pacific oyster ( <i>Crassostrea gigas</i> ) and Slipper limpet ( <i>Crepidula fornicata</i> ) distribution and abundance in The Wash	Completed in 2014. Summary report available.	Completed in 2015. Report pending.
Norfolk County Council WNNC EMS	Monitoring undertaken as part of SEFINS project	Not applicable	Results available in report
<b>Incident Recording Process</b>			
Site managers WNNC EMS Project Manager Advisory Groups	Monitoring of incidents that may cause disturbance to Annex species & EMS habitat features	Data analysed by EMS Project Manager up to June 2013.	IRP data set analysis completed up to 2015; reports produced with serious incidents followed up.
<b>Military Aircraft Disturbance to Annex I bird species</b>			
MoD TASCO Holbeach DTE Air Command DASC Advisory Group	Informal bird impact monitoring with volunteers to assess effect of military activities	Survey not undertaken in 2014 due to insufficient funds.	Informal bird monitoring through Holbeach AWR staff and Conservation Group (e.g. wildfowlers). Also monitor Ranger aircraft usage levels
<b>Recreational Disturbance on Natura 2000 Conservation Features</b>			
Norfolk Biodiversity Partnership	Cross Local Authority project to assess recreational disturbance impacts on Natura 2000 sites including WNNC EMS	Commenced 2014, results expected 2016.	Worked continued during 2015, results from study should be available by July 2016.
Boston Borough Council	Project to assess recreational disturbance impacts from LDP on WNNC EMS	Not applicable	Commenced during 2015 with two surveys of The Wash in September and November, an additional survey due in May 2016 with report due 2016.
Norfolk County Council	Monitor visitor numbers using the coastal path	Ongoing	Ongoing. Data freely available.
<b>Hydrographic Surveys</b>			
King's Lynn Conservancy Board	Hydrographic survey of approach channel to King's Lynn	Not applicable	KLCB hold the data. Changes made to nautical charts as required.
<b>Eel &amp; Fish Surveys</b>			
Welland & Deepings IDB Hull Institute of Fisheries	Eel & fish passage surveys looking at eel & fish passage at pumping stations	Not applicable	Hydrophones deployed in The Wash as part of eel research. Results expected to in 2016.
<b>Seasearch Dive Surveys of The Wash SAC</b>			
Seasearch East Anglia Eastern IFCA	Dive survey of The Wash	Not applicable	Undertaken in 2015, data available on <a href="#">NBN Gateway</a> .

## Part Two: Appropriate Assessments

The management scheme is concerned with on-going and current activities taking place within or adjacent to the European Marine Site (EMS). New activities which require consent or permission from a competent authority before they can proceed or continue are dealt with under Regulations 3(3), 3(4) and 47 to 85 of the UK Habitats and Species Regulations (2010). The Regulations state that where these plans or projects have the potential to significantly affect the interest features of the site, full consideration must be given to the requirements of the Habitats Directive.

The Regulations outline the competent authorities' (whether or not they are also relevant authorities) statutory function to carry out an Appropriate Assessment for any new plan or project that might significantly affect the interest features of the site. Furthermore, since the adoption of the East Marine Plan in April 2014, the WNNC EMS management scheme must have 'due regard to it' while individual RAs will have to act in accordance with it. The East Marine Plan can be found [here](#).

New plans, projects or activities listed in Table 2 are classified as plans and projects under the Habitats Regulations. This is not an exhaustive list, but should be used as guidance.

**Table 2.** Guidance of New Plans, Projects and Activities Requiring an Appropriate Assessment

New Plan, Project or Activity	Relevant Authority	Potential Impact	Additional Legislation/ Management
Aircraft	MoD	Loss of SPA features	Sustainability Appraisals / Habitats Regulations Assessments whenever a new activity is planned
Coastal protection and flood defence works	EA	Physical loss and damage	Common Rights of Way Strategic Environmental Assessment (SEA), SMP
Land drainage	Landowners Internal Drainage Boards NE EA Defra	Saltmarsh function and habitat composition	Land Drainage Act 1991; Water Resources Act 1991; The Water Environment Regulations 2003
Eel, smelt and sea trout Fisheries	EA / EIFCA	Physical damage and biological disturbance	Net or trap fishing authorisation under the Salmon & Freshwater Fisheries Act 1975
Fisheries regulated under The Wash Fishery Order	EIFCA	Physical damage and biological disturbance	Sea Fisheries (Shellfish) Act 1967; The Marine and Coastal Access Act 2009 (Transitional and Saving Provisions Order 2011)
Commercial fishing activities	EIFCA MMO	Physical damage / loss and disturbance	Various EU and national fisheries measures and EIFCA byelaws
Mariculture and aquaculture	CEFAS, EIFCA, NE, MMO, Crown Estates, Wash lay holders, Le Strange Estate, North Norfolk lay holders	Change of substrate if area of cultivation increases, biological disturbance by non-native species	The Alien and Locally Absent Species in Aquaculture (England and Wales) Regulations 2011
Marine planning including coastal land use & development	MMO Local Authorities	Various	<a href="#">East Marine Plan</a>  <a href="#">National Planning Policy Framework</a> and <a href="#">National Planning Practice Guidance</a>
Nature conservation management-Predator of SPA features control methods	NE Wildlife organisations	Loss of SPA features if not appropriate	Ensure site managers take a coordinated approach
Sample collection including aerial photo surveys	NE EIFCA	Disturbance of SPA features	Ensure coordinated approach

## Part Three: Relevant Authority Management

The European Marine Site (EMS) Management scheme is one component of the work undertaken by Relevant Authorities (RAs). RAs have a range of statutory responsibilities for the EMS and beyond. Management plans and / or policies (Table 3) outside of the EMS should be complementary to the EMS Management Scheme. RAs are required to report annually on their progress, and advise the management scheme of any changes within the management actions.

**Table 3.** Management Plans and / or Policies of Relevant Authorities Outside of the European Marine Site Management Scheme

Responsibility	Management Plan	Management Objective	Management Status 2015/16 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A= problem <span style="color:green">■</span> G = on track	Timescale	Action Required in 2016/17
<b>1. Agriculture – Saltmarsh Management</b>					
Natural England Defra RSPB Lincolnshire Wildlife Trust Common Rights Holders MoD	Higher Level Stewardship Agreements	Ensure grazing regimes are at effective levels to enhance wildlife communities in EMS	■G	Ongoing	Yes Grazing regimes are being examined by NE.
<b>2. Aircraft</b>					
Defence Infrastructure Organisation Holbeach Conservation Group Natural England	Holbeach Integrated Rural Management Plan	Ensure possible disturbance to site features are minimised	■G	5 year revision (next due 2017)	Yes, via HRA process
<b>3. Coastal Protection and Flood Defence</b>					
Environment Agency Local Authorities	Shoreline Management Plans. Wash East and West Strategies	Ensure that sea and river defence works do not significantly impact on site features	■G	SMP is a 'live' document covering short (0-25 year), medium (12-75) and long (up to 100 years in future) timescales. Regular reviews are undertaken, and there is the opportunity to introduce new policies as required if existing ones are not sufficient.	Maintain awareness of SMP and policies. Contribute to Wash East and West strategies if required.
<b>4. Sediment Deposition / Movement at Sea</b>					
MMO Harbour Authorities Marine Management Organisation Cefas	Defra Protocol: Maintenance Dredging and the Habitats Regulations 1994	Ensure disposal of sediment from dredging activities does not destroy site features	■G	Ongoing	Continue with management objective across the EMS
Environment Agency MMO WNNC EMS Cefas	<a href="http://www.sns2.org">www.sns2.org</a>	Monitor and catalogue sediment movement	■G	Ongoing	Through <a href="#">Anglia Regional Coastal Monitoring Programme</a>



Responsibility	Management Plan	Management Objective	Management Status 2015/16 <span style="color: red;">■</span> R = Stalled <span style="color: yellow;">■</span> A= problem <span style="color: green;">■</span> G = on track	Timescale	Action Required in 2016/17
<b>5. Pollution and Waste</b>					
MMO Harbour Authorities Environment Agency Natural England	Defra: Anti-fouling Treatment Regulations	Ensure Defra Regulations are complied with, assessment of pollution risk prior to salvage operations	■G	Ongoing	Continue with management objective across the EMS
MCA Coastal Authorities Lincolnshire Oil Pollution Forum Port and Harbour Authorities Environment Agency Defra MCA JNCC Eastern IFCA Natural England	Coastal Oil Spill Contingency Plans NE emergency oil spill line	Ensure oil spills can be effectively dealt with on shoreline and at sea	■G	Ongoing	Review of emergency plans and processes.
MCA Harbour Authorities Environment Agency Natural England	Pollution Response Plans (Docks, Ports and Marinas)	Ensure that equipment and personnel are ready to respond to an incident	■G	Ongoing	Ensure response exercises are undertaken in order to meet management objective.
<b>6. Water Quality</b>					
Environment Agency Local RAs Local partners	Water Framework Directive (2 <sup>nd</sup> cycle)	Ensure water bodies meet good ecological status by 2015	■G	Ongoing until 2021	Further monitoring and investigations for transitional and coastal waterbodies commenced in 2013/14.
Environment Agency Anglian Water Services	Asset management Plan 5	Prioritised programme of improvements to storm sewerage and emergency overflows	■G	AMP will run until 2021	Planning for AMP 6 underway, submission deadline for measures/improvement works for consideration by AWS was July 2013.

## Part Four: Action Plan

The Action Plan underpins the management plan of The Wash and North Norfolk Coast European Marine Site. Actions requiring management as an outcome of monitoring (Part One) or Relevant Authority management programmes (Part Three) alongside activities which fall outside of these are included in the Action Plan (Table 4). The Action Plan is reviewed and updated throughout the year to ensure management is progressive and the conservation status of the EMS is on track.

**Table 4.** Management Actions for the Wash and North Norfolk Coast European Marine Site for 2016/17

Action	Type of Action	Responsibility	Status 2015/16 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track	Management for 2016/17	Status May 2016 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track
<b>1. Coastal Protection and Flood Defence Works</b>					
<p>Feed into medium term strategies (e.g. Wash East Strategy) as appropriate.</p> <p>Maintain awareness of planned and ongoing coast protection works, including methods used.</p> <p>Feed into communications regarding emergency works as appropriate.</p>	Planning	WNNC EMS Environment Agency MMO Natural England Local Authorities	<span style="color:green">■</span> G	<p>Awareness and input into Wash SMP plan.</p> <p>Maintain awareness of Environment Agency methods used for routine and emergency works on coastal protection/flood defence. Review existing methodology for information.</p> <p>Share contact details with Environment Agency operations field team leaders for information.</p>	<span style="color:green">■</span> G
<b>2. Common Rights / Longshore Economy / Traditional Activities</b>					
Observe Common Rights whilst taking into account other legislation.	Planning	Common Rights Holders WNNC EMS	<span style="color:green">■</span> G	Common Rights Holders continue with self-regulation whilst taking into account other legislation with Relevant Authorities.	<span style="color:green">■</span> G
Wildfowling organisations produce management plans to assist Natural England with consenting procedure (Wildlife and Countryside Act 1981)	Planning	Natural England Common Rights Holders Wildfowling organisations WNNC EMS	<span style="color:green">■</span> G	Ensure that groups are receiving adequate assistance to achieve action point.	<span style="color:green">■</span> G
Ensure longshore activities do not cause detrimental harm on site interest features	Monitoring	WNNC EMS Common Rights Holders Fishermen's Associations Advisory Groups Site Managers Eastern IFCA Local Authorities	<span style="color:green">■</span> G	<p>Develop methods to identify level of activities occurring and monitor through IRP system in order to assess 'hot spots' and develop adaptive co-management solutions with stakeholders</p> <p>Promote Good Practice Guides</p> <p>Refer matter to RA for further action if appropriate</p>	<span style="color:yellow">■</span> A

Action	Type of Action	Responsibility	Status 2015/16 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track	Management for 2016/17	Status May 2016 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track
<b>3. Land Drainage</b>					
Ensure chemical weed control or chemical clean-up operations do not cause detrimental harm on site interest features	On ground	Internal Drainage Boards Natural England Environment Agency Defra Land Owners	■G	Chemical control is becoming restricted with chemicals being withdrawn from use.  Continue to review and update (if necessary) the chemical pollution clean-up control measures in accordance with Defra, EA and NE guideline	■G
Minimise the risk of non-native invasive species impacting on coastal waters	On ground	Natural England Site Managers Land Owners Advisory Groups WNNC EMS	■G	Promote the outputs of SEFINS and 'check-clean-dry' campaign.	■G
<b>4. Recreation</b>					
Development of incident recording smartphone app to progress to ensure IRP is fit for purpose	Planning / on ground	WNNC EMS Site Managers Natural England	■G	Grant received from NE towards project, project proposal being developed for HLF  Intern to continue to update IRP	■G
Ensure commercial and non-commercial wildlife tours do not negatively impact on site interest species (e.g. seals)	On ground	WNNC EMS Natural England Advisory Groups Tour Operators	■G	Continue to encourage self-regulation and promotion of Good Practice Code by operators  Continue to record through IRP  Refer matter to RA for further action if appropriate	■G
Ensure kites (including surfers, boarders and buggy users) and wind surfers do not cause detrimental harm on site interest features	On ground	WNNC EMS Kites Working Group Common Rights Holders Site Managers Advisory Groups Harbour Authorities Natural England Land Owners	■G	Continue to work alongside and develop best practice and principles with North Norfolk Kites Group – meet annually  Target water sports shops and clubs with a good practice guide  Continue to record through IRP & refer matter to RA for further action if appropriate	■G
Ensure motorised and non-motorised watercraft do not cause or inflict harm on site interest features	On ground	WNNC EMS Harbour Authorities Local Authorities Site Managers Advisory Groups	■G	Promote Good Practice guide by working alongside clubs and harbour authorities  Use IRP to monitor activity patterns and / or increase in frequency	■G
Reduce disturbance on site interest features by dog walkers and their pets	On ground	WNNC EMS Natural England Common Rights Holders Site Managers Land Owners Norfolk Coast Partnership Advisory Groups	■G	Continue partnership with NCP, Site Managers and Little Tern Working Group  Promote awareness of impact to owners through distribution of Code of Conduct.  Continue with HLF application devise a disturbance toolkit with dog walkers educational aspect	■G

Action	Type of Action	Responsibility	Status 2015/16 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track	Management for 2016/17	Status May 2016 <span style="color:red">■</span> R = Stalled <span style="color:yellow">■</span> A = problem <span style="color:green">■</span> G = on track
<b>4. Recreation (continued)</b>					
Ensure use of motorised vehicles, bikes, cycles and hovercraft does not cause detrimental impact on site features	On ground	WNNC EMS Natural England Common Rights Holders Conservation Organisations Landowners Site Managers Norfolk Coast Partnership Advisory groups	■G	Use IRP to monitor activity patterns and / or increase in frequency  Promote awareness of impact to owners through distribution of Good Practice Guide  Fences and access is restricted as necessary by RAs	■G
Ensure that bird / wildlife watching does not cause a detrimental impact on site features	On ground	Natural England Common Rights Holders Conservation Organisations Landowners WNNC EMS Norfolk Coast Partnership Advisory group	■G	Use IRP to monitor activity patterns and / or increase in frequency  Promote awareness of impact to wildlife enthusiasts through promotion of Good Practice Guide  Promote the Bird Watchers Code, Royal Photographic Society Nature photographers Code of Conduct	■G
Other leisure activities including beach barbeques, litter, crab digging / fishing etc.	On ground	WNNC EMS Natural England Local Authorities Harbour Authorities Common Rights Holders Land owners Site Managers Norfolk Coastal Partnership Advisory Groups	■G	Use IRP to monitor activity patterns and / or increase in frequency  Liaise with site managers  Promote awareness of impact to wildlife enthusiasts through promotion of Good Practice Guide  Promote existing codes of conduct	■G
Manage visitor pressure	Planning / on ground	Site Managers Local Authorities Natural England WNNC EMS	new action for 2016/17	Ensure that adequate mitigation and management is undertaken at a site level to prevent deterioration of site features e.g. through the use of visitor management plans  Continue to monitor and measure visitor pressure along the coast  Undertake research to better understand the challenge of increase visitor pressure and site's carrying capacity	■A
Manage increase in water sport events	Planning / on ground	Event organisers Local Authorities	new action for 2016/17	Ensure that HRAs are undertaken when consenting activities	■G
<b>5. Litter</b>					
Marine litter is <a href="#">increasing nationally</a>	On ground	Wildfowlers Site managers Local Authorities IDBs Harbour Authorities	new action for 2016/17	Encourage the collection of marine litter by groups and organisations e.g. through MCS Beach Clean.  Assist WHC in promoting their eco friending crabbing initiative	■G
Littering along coastal access	On ground	Site managers Local Authorities IDBs	new action for 2016/17	Encourage the collection of litter by organisations	■G

5. Litter (continued)					
Charge for garden waste collection has seen an increase in fly-tipped rubbish occurs around the coast	On ground	Site managers Local Authorities IDBs	new action for 2016/17	Ensure LAs responding quickly and collecting fly-tipped rubbish	🟢G
6. Education / Research					
Ensure bird ringing does not cause detrimental impact on site features	Planning	Natural England Common Rights Holders WNNC EMS Conservation Organisations Landowners Advisory Groups	🟢G	Promote British Trust for Ornithology practice  Ensure that ringing activities are conducted by licenced individuals	🟢G
Ensure that educational visits and outreach activities do not cause detrimental impact on sites features	Planning	Natural England Site Managers Land Owners Advisory Groups WNNC EMS	🟢G	Promote existing best practice through Good Practice Guide and procedure to visiting groups  Use IRP to monitor activity patterns and / or increase in frequency  Liaise with site managers	🟢G
7. Water Abstraction					
Ensure that water abstraction is managed to prevent adverse impacts on site interest features and encourages water efficiency	Planning	Environment Agency Natural England Internal Drainage Board Water Companies Agricultural Sector Local Authorities	🟢G	All consents comply with the Habitats Directive  Water availability is governed via Catchment Abstraction management Strategy (CAMS)	🟢G