

HUMBER



Management Scheme

Part 3: Ongoing Management



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What is the issue?

The Humber is important for people and the economy and existing activities and future development could potentially have an impact on the Humber Estuary EMS.

What are we going to do?

To manage existing activities and future pressure, existing statutory and ongoing management is in place to manage over 100 activities which take place on and around the Humber Estuary. This is delivered mainly by the Relevant Authorities with statutory duties in relation to the designated area.

How are we going to do it?

Management is detailed in this section.

Role of the HMS:

- To report annually on the progress of any additional actions or changes in the management of activities

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Activity/area of management	Potential impacts	Management including strategies and plans	Organisation responsible for management	Monitoring & reporting mechanism in place	Actions 2011-13 (major actions which meet HMS aim)
Fisheries Link to HMS action plan Recreation and Tourism					
Management of the cockle fishery Horseshoe Point	Removal of prey species	The Humber cockle fishery byelaw is still in place and the beds remain closed and a shellfish management plan is currently being drafted.	Eastern IFCA	Continue to maintain a close watch on directed activities through shore and sea patrols and remote data monitoring. For further information see Eastern IFCA and North Eastern IFCA Annual Reports. Liaison between Environment Agency, Marine Management Organisation (MMO), IFCA's and Police Constabularies for efficient monitoring of fishing activities – e.g. Eastern Region Liaison Group.	By end 2012: Eastern IFCA to develop a procedure document to outline steps required if cockle fishery reopens Draft shellfish management plan to be completed by spring/summer 2012.
Management of other fishing activities: angling (see recreation), long lining for skate and cod, cockle gathering, netting, potting for crab, trawling (shrimp and sole), bait digging, eel trapping	Abrasion from launch of vessels, visual and noise disturbance, removal of prey species	There is a low level of directed commercial fishing activity within the Humber Estuary European Marine Site.	Eastern and North Eastern IFCA		Report annually on any changes in fisheries intensity or activity All IFCA byelaws to be reviewed by 2015

Management of lamprey by-catch	Removal	The Marine & Coastal Access Act is now in place and lamprey catch is regulated. Whereas eel netmen could previously take an unregulated amount of lamprey as eel bycatch, this is no longer possible. They require either a separate lamprey authorisation or must return the lamprey (alive).	Environment Agency	Mandatory catch returns will be condition of any new lamprey permits.	Compliance with Habitats Regulations if authorisation applications are received.
Management of potential future mariculture	Smothering, alteration to benthic habitat	Mariculture projects should be assessed as plans or projects under the Habitats Regulations 2010	Eastern IFCA, North Eastern IFCA, Natural England, Cefas	Monitoring strategy to be established if this activity takes place	By end 2012: Eastern IFCA & North Eastern IFCA to develop procedure document to outline steps required if mariculture is proposed.

Flood defence

Link to HMS action plan Habitat and Species Management

Flood defence and sea level rise management strategies	Flood defence schemes: Removal. Sea level rise management strategy – habitat creation to account for loss	The Humber Strategy outlines the Environment Agency's plan for managing coastal defences within the Humber. Shoreline Management Plans (SMP2): The HECAG SMP2 covers the coast from Flamborough Head in the East Riding of Yorkshire to Gibraltar Point in Lincolnshire and includes the	Environment Agency. ERYC is responsible for the development, management and reporting of the SMP2 and its Action Plan. Specific actions, studies, strategies, schemes and monitoring are		
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		<p>estuary up to Stone Creek on the North Bank and the Eastern Pier of Immingham Dock on the South Bank. The Plan provides a policy framework for managing the risks from coastal erosion and flooding to the human, built and natural environment.</p> <p>The Environment Agency's CHaMP outlines actions for loss of habitat due to sea level rise.</p>	<p>the responsibility of relevant project partners identified as the lead for that particular action.</p>		
Land drainage					
Water drainage and water level management	Abrasion, removal, siltation, changes in nutrient loading	<p>Environment Agency grant consents to IDBs to discharge into Humber Estuary. IDBs have permissive powers to undertake work to secure clean water drainage and water level management within drainage districts.</p>	<p>Environment Agency (Regulator), IDBs, Water Boards</p>		

River Basin Planning - Water Framework Directive

The European Water Framework Directive came into force in December 2000 and became part of UK law in December 2003. It provides an opportunity to plan and deliver a better water environment, focusing on ecology. The Directive will help to protect and enhance the quality of all waters including rivers, estuaries, groundwaters, lakes and coastal waters. The UK is delivering WFD through River Basin Planning, a cyclical program to identify issues and actions for the EA and other partners to deliver. The first Humber River Basin Plan was published in 2009, and will be updated in 2021 and 2027. It is a long term programme of environmental improvements to make the whole Humber River Basin District (RBD) a better place to live, work and visit. This subsumes previous water quality and resources annexes of the Humber Management Scheme.

Link to HMS action plan Integrated management and forward planning

Deliver WFD actions identified by Natural England in Annex D of Humber River Basin District to achieve favourable condition in N2K site	Impacts on river lamprey – entrainment/impingement, extraction (bycatch). Water quality – water pollution: diffuse sources, discharge	Annex D, Humber River Basin Management Plan:- Abstraction licences (revoke or amend). - Develop management plan through additional controls under the Marine and Coastal Access Act. Investigation & Discharge/PPC Consent	Environment Agency / Natural England / Water companies		
Management of mobilisation of contaminated sediment	Siltation, introduction of synthetic and non-synthetic compounds, smothering	Annex D, Humber River Basin Management Plan	Environment Agency		
Management of leaching and clean up	Introduction of synthetic and non-synthetic compounds, changes in organic loading	Identify special sites and gain remediation Enforce international legislation banning application of products with TBT.	EA, LA EA		
Management of abstraction of water	Changes in turbidity, entrainment	Consents from the EA are required and guidance on best practice is given	EA		

Management of fish impingement and barriers to fish movement	Removal of species	Development of a prioritised fish pass programme across the entire Humber basin	EA plus other partners including IDBs, British Waterways, Rivers Trusts.		
Regulated industry (water resources and quality)					
Management of permitted discharge	Introduction of synthetic and non-synthetic compounds, change in nutrients, organic and thermal loading, turbidity and salinity	Permits required, best practice and guidance followed	EA		
Regulated waste management	Smothering, abrasion, introduction of synthetic and non-synthetic compounds, changes in nutrient and organic loading				
Management of point source pollution	Introduction of synthetic and non-synthetic compounds, changes in turbidity				
Unregulated waste management	Smothering, abrasion, introduction of synthetic and non-synthetic compounds	EA & LA working together to take actions forward. An MoU between organisations is in place.	EA, LA		
Shipping and navigation <i>Link to development and maintenance</i>					
Management of harrowing, ploughing and dredging	Siltation, abrasion, introduction of synthetic compounds, change in turbidity. (removal -	Maintenance Dredging Protocol prepared by ABP is updated every 3	Harbour Authorities: ABP, Conoco Phillips, Humber Sea Terminals,	Ongoing bathymetric surveys. All dredge/disposal permits subject to compliance under the Water Framework Directive and	Update to Maintenance Dredging Protocol 2011 (ABP).

	dredging only)	years. British Waterways have a separate dredging agreement with the Environment Agency.	Humber Petroleum Terminals, British Waterways	samples chemically analysed by Cefas	British Waterways: Update in accordance with MoU which will result in an in agreed annual programme by end 2011.
Management of vessels: emissions, tank washing and discharge	Introduction of synthetic and non-synthetic compounds (change in nutrient loading – discharge only)	Management regulated through MARPOL and outlined in the in Harbour and Port Authority Operations Manual and Port Waste Management Plan	Harbour Authorities: ABP, Conoco Phillips, Humber Sea Terminals, Humber Petroleum Terminals, British Waterways	MCA and individual port authority scrutiny	
Management of vessels: transits & navigation lighting	Noise and visual	Humber Passage Plan, Humber Navigational Bylaws and various Harbour Authority Acts	ABP: Humber Vessel Traffic Services	Monitored by Humber Vessel Traffic Services	
Ministry of Defence					
Low flying aircraft, military helicopters, bombing and gunnery	Noise and visual disturbance	Integrated Rural Management Plan	MOD, Natural England	MOD record the level of activity annually	To complete Integrated Rural Management plan by end of 2011
Weapons clearance, Military target repair, maintenance	Abrasion		MoD		Wash helicopter study to be completed March 2011. MOD to compare to Humber EMS and identify actions to understand and manage impact of MOD disturbance to birds.
Marine Planning					
<i>Link to HMS action plan Integrated management and forward planning</i>					
Development of the East inshore marine plan	Positive impact	Marine planning is a new approach to the management of our seas. The aim is to ensure a sustainable future for our coastal and offshore waters	MMO The MMO is now a Relevant Authority and therefore a member of the Humber Estuary Relevant Authorities Group (HERAG)	The MMO is engaging with stakeholders in the development of marine plans. Updates on marine planning will be available at workshops, meeting and via the website www.marinemangement.org.uk/marineplanning/index.htm	To develop East Inshore Marine Plan relating to the Humber Estuary in consultation with the HMS partnership. The East Inshore Marine Plan will compliment existing strategies and plans for the Humber including those of

		<p>through managing and balancing the many activities, resources and assets in our marine environment.</p> <p>Marine planning is following a similar approach to terrestrial planning; setting the direction for decision making at a local level to lead to efficient and sustainable use of our marine resources.</p> <p>The Humber Estuary is included in the East inshore marine plan which will be complete during 2013.</p>	<p>who make decisions regarding the sustainable management of the Humber Estuary European Marine Site.</p>		<p>the HMS.</p>
Development and maintenance					
<p>Management of development & projects e.g. Port development, renewables, flood defence, management realignment</p>	<p>Removal, smothering, physical damage, noise and visual disturbance. (managed realignment: habitat creation for loss of habitat)</p>	<p>All plans and projects go through the Habitats Regulations Assessment</p>	<p>Harbour authorities, regulators (EA, NE, MMO), developers</p>		

Management and delivery of maintenance activities e.g. flood defence and land drainage, ports – maintenance of structures	Physical damage, noise and visual disturbance	Apply for appropriate consents to undertake maintenance work	IDBs, Harbour Authorities, other industry, Regulators (NE, EA, MMO, LA)		
Recreation and access management currently in place					
<i>For wider recreation and tourism matters see HMS action plan Recreation and Tourism</i>					
Management of wildfowling	Abrasion, noise and visual disturbance, selective extraction of species	Consents issues by Natural England. Clubs often have their own management plan and are members of BASC.	NE	Wildfowling report annually to NE on activities such as number of visits and species and number shot.	
Management of quad bikes at Saltfleet	Abrasion, noise and visual disturbance	Permits issued by Natural England	NE, Saltfleet Parish Council	Monitored every 3 years	NE to communicate progress via HMS in 2012/13
Management of bait digging at Cleethorpes	Abrasion, noise and visual disturbance, selective extraction of species	Permits issued by North East Lincolnshire Council	North East Lincolnshire Council, bait diggers		North East Lincolnshire Council to communicate best practice via HMS