



# Managing the risk of flooding in the Humber River Basin District

What's being planned and when

We are the Environment Agency. We protect and improve the environment and make it a better place for people and wildlife.

We operate at the place where environmental change has its greatest impact on people's lives. We reduce the risks to people and properties from flooding; make sure there is enough water for people and wildlife; protect and improve air, land and water quality and apply the environmental standards within which industry can operate.

Acting to reduce climate change and helping people and wildlife adapt to its consequences are at the heart of all that we do.

We cannot do this alone. We work closely with a wide range of partners including government, business, local authorities, other agencies, civil society groups and the communities we serve.

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# Foreword

Over the next two years, the Environment Agency will be undertaking considerable planning work, culminating in the publication of Flood Risk Management Plans (FRMPs) and updated River Basin Management Plans (RBMPs). Together, these plans will shape important decisions, direct considerable investment and action and deliver significant benefits to society and the environment.

RBMPs identify the state of, and pressures on, the water environment. They consider the technical and economic viability of beneficial actions, set objectives and coordinate/monitor delivery of agreed actions. In so doing they set direction to maintain and improve the quality of all surface, ground water and coastal waters.

FRMPs identify the risk from flooding and set out objectives and measures for managing that risk. In so doing, they aggregate information about all sources of flooding - and coastal erosion where appropriate - to better inform prioritisation, decision making and work programming.

The Environment Agency, Local Authorities, Water Companies, Highways Authorities and Internal Drainage Boards carry out a 'Risk Management Authority' role in relation to flooding. We all work together to help communities and businesses understand their flood risk, deliver solutions to minimise this and support them to adapt to flooding and become more resilient, if the worst should happen.

Recently published information about the areas that get flooded and what's affected by the flooding means that understanding of flood risk is improving. We and other risk management authorities are in a good position to set out, with communities, how best to manage the risk of flooding. Planning to manage flood risk is something that the Environment Agency and Lead Local Flood Authorities are already doing in partnership but now the Environment Agency is setting out plans for flood risk management across each river basin district. These river basin districts (RBDs) are areas identified to manage the water environment effectively. Each RBD has a defined drainage area so that what happens in one RBD is independent of another: this document covers the Humber RBD.

This document is not a consultation, but it highlights the scope of those plans: what sources of flooding are included and what consultation the Environment Agency and Lead Local Flood Authorities are carrying out on those draft plans.

The Environment Agency will be consulting on a draft flood risk management plan for the whole of Humber RBD that sets out the objectives and measures we are proposing to manage flood risk. The draft plan will also include objectives and measures that some Lead Local Flood Authorities are also proposing. The draft plan will include:

- flooding issues for main rivers, the sea and reservoirs across the whole of the RBD
- flooding issues for local sources (ordinary watercourses, surface water and groundwater) for North Yorkshire County Council and City of York Council Lead Local Flood Authority areas included on voluntary basis
- flooding issues for local sources (ordinary watercourses, surface water and groundwater) for parts of Birmingham City Council, Dudley MBC, Sandwell MBC, Walsall MBC, Wolverhampton City Council as a statutory requirement.

Consultation on the draft FRMP will be from September 2014 to December 2014. We will publish the final FRMPs in December 2015.

The final plan will include flooding issues for local sources for Hull City Council as a statutory requirement.

In addition, the following Lead Local Flood Authorities will prepare separate FRMPs as a statutory requirement, covering local sources of flooding and consult on those as set out below.

- East Riding of Yorkshire Council: consulting TBC

This Scoping Report sets out the approach to the Strategic Environmental Assessment and we have consulted the statutory environmental bodies in developing it.

We hope that in understanding what plans are being developed, by whom and when, you will be able to join us in shaping those flood risk management plans, and be part of a more resilient country.

**Steve Moore**

**Director of Operations North and East, Environment Agency**

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# 1. Why produce this document

The impacts of flooding on homes and businesses, the communities directly affected, are clear, but flooding can have a much wider indirect effect. We want communities to be actively involved in planning for managing the risk posed by floods.

## **Box 1. The purpose of this document**

1. This document is not a consultation. It sets out:

- what flood risk planning is going on across the river basin district
- the timing of specific consultations
- which organisations lead on those consultations

By highlighting these activities early on we hope that you will get involved in shaping the plans and be part of managing the risk from floods.

The document also includes the proposed scope of the strategic environmental assessments for the plan that we are preparing. We are sharing our proposals with statutory environmental bodies so they can help shape our proposed approach.

## 2. How we plan for flood and coastal erosion risk

### Legislation and strategy in England

- The [roles and responsibilities](#) of different flood risk management authorities (RMAs) in England and Wales are set out in the [Flood and Water Management Act, 2010](#). This act also requires the Environment Agency to set out the approach to managing flood and coastal erosion risk in England in a [National Flood and Coastal Erosion Risk Management Strategy for England](#). This strategy aims to improve flood and coastal erosion risk management for communities and businesses, and deliver greater environmental gain. The Strategy also establishes ways of working for risk management authorities:
  - focusing on communities and working in partnership
  - co-ordinating across management catchments and coastlines
  - considering sustainability issues
  - taking a proportional, risk-based approach
  - seeking to deliver multiple benefits
  - encouraging beneficiaries to contribute to invest in flood risk management

### European requirements

In addition, the [European Floods Directive](#) aims to provide a consistent approach to managing flood risk across Europe. The Directive is implemented through the [Flood Risk Regulations 2009](#) and we are currently in the first cycle of planning which means Flood Risk Management Plans (FRMPs) need to be prepared by December 2015.

### How we are delivering Flood Risk Management Plans

Our [previous consultation](#)<sup>6</sup> on the approach to developing Flood Risk Management Plans in England and Wales considered options for delivering FRMPs. See the [findings from that consultation](#)<sup>7</sup>. In parallel to flood risk management planning, we also work with others to improve the quality of the water environment through River Basin Management Planning. As we develop FRMPs we aim to co-ordinate effectively with the River Basin Management Planning so we and others can deliver more for the environment.

#### **Box 2. Co-ordinating Flood Risk Management Planning with River Basin Management Planning**

The Environment Agency leads on the development of Flood Risk Management Plans and River Basin Management Plans.

We aim to co-ordinate our work effectively, and support others to do the same, so that we can do more for the environment when we manage flooding.

If you want to know more about River Basin Planning, or get involved, visit our [web site](#)<sup>9</sup>.

The National Flood and Coastal Erosion Risk Management Strategy for England provides a national framework for all Risk Management Authorities to work within. A hierarchy of strategic and tactical plans then establish the governance and approach for the various RMAs to delivering the aims and objectives of the national strategy.

The table below summarises the main plans and who leads on them.

**Table 1: Flood and coastal erosion risk management plans and strategies**

Plan or Strategy	Purpose and scope of plan or strategy	Drivers	Lead authority
<a href="#">The National Flood and Coastal Erosion Risk Management Strategy for England</a> <sup>18</sup>	The approach to managing flood and coastal erosion risk in England.	Statutory requirement under the Flood and Water Management Act 2010.	Environment Agency.
<a href="#">Flood Risk Management Plans</a> <sup>10</sup> (FRMPs)	To manage the risk of flooding from rivers, the sea, reservoirs, surface water and groundwater.  These may be separate plans for Flood Risk Areas that need to be co-ordinated across each river basin district in the whole of England.	Required under the European Floods Directive; implemented in England by the Flood Risk Regulations 2009.  FRMPs for this first cycle of planning must be published by December 2015.	Lead Local Flood Authorities for flooding from surface water, groundwater and ordinary watercourses.  Environment Agency for flooding from main rivers, the sea and reservoirs.
<a href="#">Local Flood Risk Management Strategy</a> <sup>11</sup>	To manage local flood risk in each Lead Local Flood Authority across the whole of England.  These also include objectives and measures for the management of local flood risk (i.e. from surface water, groundwater and ordinary watercourses).	Statutory requirement under the Flood and Water Management Act 2010.  No statutory deadline for production.	All Lead Local Flood Authorities must prepare a Local Flood Risk Management Strategy.
<a href="#">Surface Water Management Plans</a> <sup>12</sup> (SWMPs)	To establish preferred approach to managing surface water flooding.	Voluntary plans for co-ordinated measures to manage surface water flooding.	Likely to be Lead Local Flood Authorities, in partnership with others.
<a href="#">Catchment Flood Management Plans</a> <sup>13</sup> (CFMPs)	Current and future inland flood risk management across all catchments.  These plans set out preferred policies for inland flooding in England and Wales.	Voluntary plans.  Published in 2009-10.	Environment Agency
<a href="#">Shoreline</a>	Current and future flood	Voluntary plans.	Coastal Groups.



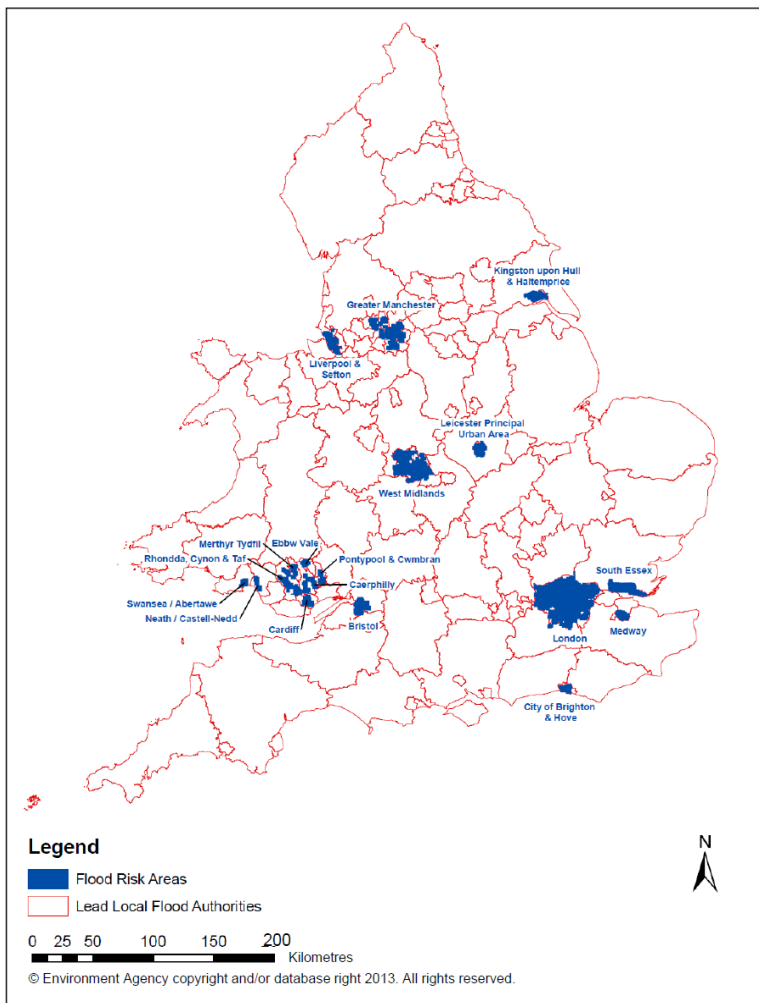
<a href="#">Management Plans</a> <sup>14</sup> (SMPs)	<p>and coastal erosion risk management along the coastline.</p> <p>These plans set out preferred policies for the coastline of England and Wales.</p>	<p>Second round of SMPs published in 2010-13.</p>	
<a href="#">Other river, estuary and coastal investment strategies</a> <sup>15</sup>	<p>Outline investment proposals for flood and coastal erosion risk management. Prepared to support an investment proposal for funding.</p>	<p>Voluntary plans.</p>	<p>Operating authorities.</p>
<b>Water Level Management Plans (WLMPs)</b>	<p>Approach to managing water levels in environmentally sensitive areas. These plans are developed to enable agreement between different users of water.</p>	<p>Voluntary plans.</p>	<p>Drainage Boards, other operating authorities and land owners</p>
<a href="#">Reservoir Flood Plans</a> <sup>16</sup>	<p>These include on-site and off-site flood plans that set out procedures for the management of flood risk in the event of an emergency.</p> <p>On-site plans deal with the management of the on-site risk and off-site plans deal with the risk in areas adjacent to the reservoir.</p>	<p>Voluntary plans.</p>	<p>On-site Flood Plans are developed by the owners of the reservoir.</p> <p>Off-site Flood Plans are developed by the Local Resilience Forums.</p>
<a href="#">Long-Term Investment Strategy</a> <sup>17</sup>	<p>Long-term strategic assessment of funding scenarios for flood and coastal erosion risk management. This evidence is used to support government's decision making on funding as part of periodic spending reviews.</p>	<p>Voluntary plans.</p>	<p>Environment Agency.</p>

### 3. What planning is happening now

Flood risk management planning is something that Risk Management Authorities (RMAs) do already, domestic legislation, in particular the Flood and Water management Act 2010 supports this, as does new European Floods Directive. The Floods Directive aims to provide a consistent approach to managing flood risk across Europe. The Directive is implemented through the Flood Risk Regulations and we are currently in the first cycle of planning which means Flood Risk Management Plans (FRMPs) need to be prepared by December 2015.

For this cycle of plans, Lead Local Flood Authorities (LLFAs) need to prepare Flood Risk Management Plans that cover surface water flooding for the 10 Flood Risk Areas\* in England and eight in Wales (see Figure 1). The Environment Agency, and Natural Resources Wales need to prepare FRMPs, for main rivers the sea and reservoirs covering the whole of England and Wales.

FRMPs are important because they set out how risk management authorities and communities will work together to reduce the impacts of flooding.



*Note:*

*All Lead Local Flood Authorities (upper tier and single tier authorities) under took a Preliminary Flood Risk Assessment in 2011 to prioritise planning for flood risk management. They determined a number of areas where local flooding was particularly significant (Figure 1). The priority for the first planning cycle under the Flood Risk Regulations is to prepare FRMPs by December 2015 for these "Flood Risk Areas".*

*All Lead Local Flood Authorities also need to prepare Local Flood Risk Management Strategies but there is no statutory deadline to develop these.*

**Figure 1: Flood Risk Areas in England and Wales**

\*Flood Risk Areas have been identified through a Preliminary Flood Risk Assessment published in December 2011. In this first cycle of planning, to 2015, LLFAs are only required to prepare FRMPs in Flood Risk Areas. (as described in [Government guidance](#)).

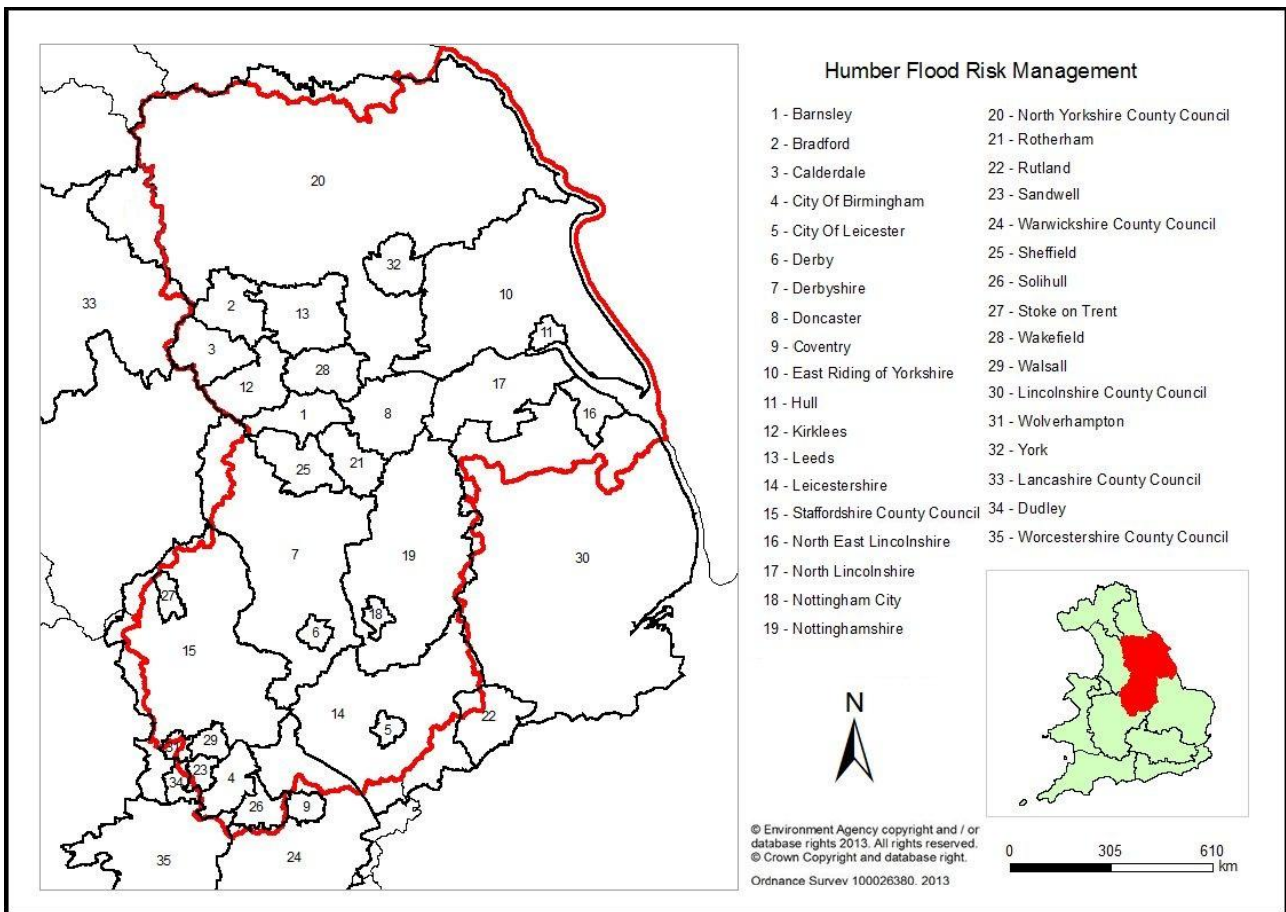
## 4. What that means for the Humber river basin district

### Overview

Under the Flood Risk Regulations, the Environment Agency is required to prepare a FRMP for the Humber River Basin District, this must include flooding from main rivers, the sea and reservoirs. LLFAs are required to develop a FRMP for significant flood risk areas which consider local sources of flooding; surface water, groundwater and ordinary watercourses. These FRMPs are required by December 2015. Within the Humber River Basin there are three significant flood risk areas, Hull and Haltemprice, Leicester Principle Urban Area and West Midlands. As such, the LLFAs responsible for developing a FRMP under the Flood Risk Regulations are:

1. Hull and Haltemprice
  - East Riding of Yorkshire Council
  - Hull City Council
2. Leicester principle urban area
  - Leicester City Council
  - Leicestershire County Council
3. West Midlands
  - Wolverhampton
  - Dudley
  - Sandwell
  - Solihull
  - Birmingham
  - Walsall

The LLFAs that cover these significant flood risk areas can be seen in figure 2.



**Figure 2: Lead Local Flood Authorities in the Humber River Basin District**

Some LLFAs outside Flood Risk Areas have chosen to prepare FRMPs jointly with the Environment Agency, on a voluntary basis. These LLFAs are using their Local FRM Strategies and sharing a more complete picture of flood and coastal erosion risk management by including flooding from all sources.

Box 3 and Figure 3 summarises the approaches being taken in the development of FRMPs.

In developing Flood Risk Management Plans, we would also like to include information about coastal erosion risk management that is set out within Shoreline Management Plans. Risk Management Authorities can share information about all sources of flooding and coastal erosion risk management in one place, in a way that is more accessible to the various authorities involved in planning, as well as interested communities and the public.

We will also include strategies and projects identified by Risk Management Authorities in the 6 year Medium Term Plan.

Annex 1 lists the plans and strategies that have been drawn from to develop the draft FRMP Humber RBD, and the dates of previous consultation.

### **Box 3. FRMPs in Humber RBD being prepared and consulted on**

For the Humber River Basin District, for the first cycle of planning under the Flood Risk Regulations, risk management authorities will prepare the following plans and consult the public on draft plans during the dates set out below:

#### **Consultation from September 2014 to December 2014 on a draft single Flood Risk Management Plan for the Humber RBD that covers:**

- flooding from main rivers the sea and reservoirs for the RBD (as a statutory requirement)
- coastal erosion risk management for the whole coastline (as voluntary information)
- all sources of flooding for the following areas:
  - North Yorkshire County Council
  - Birmingham City Council
  - Dudley MBC
  - Sandwell MBC
  - Walsall MBC
  - Wolverhampton City Council
  - Leicester City Council
  - Leicestershire County Council
  - Solihull MBC

The final plan will include all sources of flooding for Hull City Council.

An Environmental Report will also be published with the draft FRMP for consultation

All RMAs are committed to sharing data and will be given the opportunity to be involved in the development of the Humber FRMP

As well as the Plans and Strategies mentioned above, a lot of work has been done by RMAs within the Humber river basin district to understand and plan for flood risk. This work is being done in partnership and will become the building blocks of the Humber FRMP. Annex 1 lists further work that will be drawn upon to develop the draft Humber FRMP setting out what consultation and environmental assessment has previously taken place.

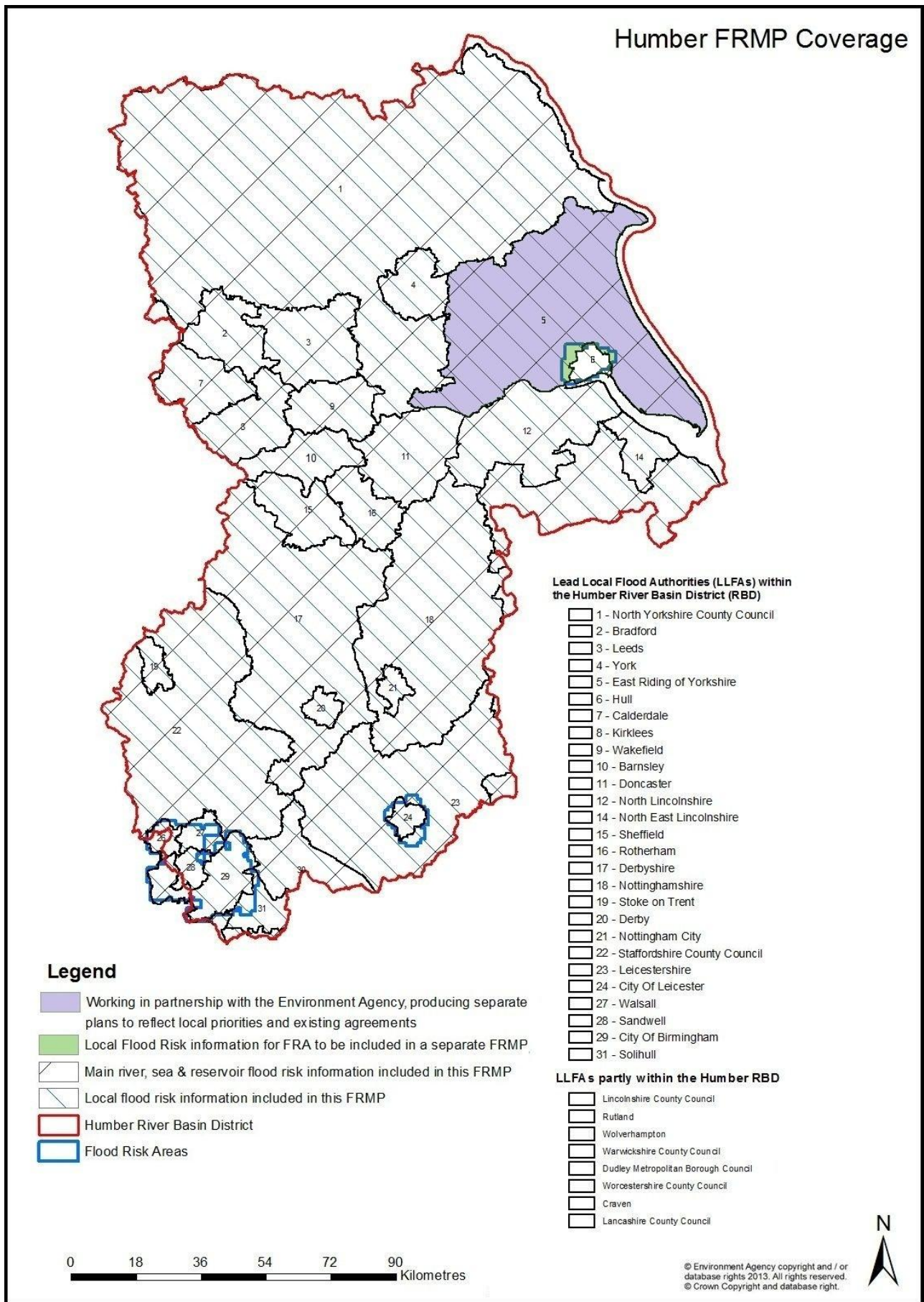


Figure 3: Scope of Flood Risk Management Planning for Humber River Basin District

## 5. Strategic environmental assessment

The primary purpose of a strategic environmental assessment (SEA) is to ensure that wider environmental effects are considered during the development of a plan. SEA aims to contribute to a higher level of protection of the environment and promote sustainable development. The relevant legislation sets out the [requirements for SEA](#)<sup>19</sup>.

The FRMP for each river basin district is intended to bring together information from a number of plans covering different sources of risk, prepared by different authorities across the river basin district. A list of the plans from which information has been drawn to compile the FRMP, alongside a record of any SEA reports, is shown in Annex 1.

SEA is a statutory requirement under the SEA Regulations for FRMPs. For the joint information brought together in the FRMP from Risk Management Authorities, the Environment Agency proposes that the scope will need to include:

1. a high level assessment at the river basin district scale of all objectives and measures brought together in the draft FRMP
2. a detailed assessment at a more local scale of any new measures or changes to measures in existing plans where they may have significant effects on the wider environment

As the lead for the FRMP, the Environment Agency will consider the effects of the plan at the catchment scale to ensure that we consider how any nationally designated environmental features would be affected. We consider it more appropriate that local designations are considered at lower tiers of planning or within projects.

We will refine our approach to SEA by taking into consideration the views of statutory bodies in response to scoping letters and will continue to work with them on this.

### A high level assessment of the FRMP for each RBD

The high level assessment covering the RBD will consist of:

- a summary of baseline information covering environmental and social indicators of current status and trends for the Humber RBD, and we will take into account any significant changes that might influence decisions that had been taken in previous plans. See Annex 4.
- a summary of other policies and plans that will have an influence on the objectives of the FRMP or will be influenced by it. See Annex 3.
- a high level assessment of the appropriate objectives, measures and actions included in the FRMP

### Detailed assessment of flood risk management measures

Risk Management Authorities will be responsible for considering if the high-level assessment of the whole FRMP is sufficient for the information they are proposing in the FRMP or if further more detailed assessment is required. As part of this consideration, a scoping exercise may be applied to any changes to a measure or action drawn from an existing plan and to any new measures included in the FRMP, for example from an analysis of communities at risk. This would identify whether such measures are likely to have significant environmental effect and will need a more detailed environmental assessment. The results of the first stage of the scoping exercise undertaken on Environment Agency information is set out in Table A2, Annex 2.

## How the SEA high level and detailed assessment relate to the FRMP content

Table 3 outlines the content of the draft FRMP and describes the parts of the FRMP that will be included in the SEA.

### Detailed assessment of flood risk management measures

A scoping exercise will be applied to any measure or action drawn from an existing plan and to any new measures included in the FRMP, for example from communities at risk work. This will identify whether such measures are likely to have significant environmental effect and will need a more detailed environmental assessment. The results of the first stage of the scoping exercise are set out in Table A2, Annex 2.

## How the SEA high level and detailed assessment relate to the FRMP content

Table 2 outlines the content of the draft FRMP and describes the parts of the FRMP that will be included in the SEA.

**Table 2: Proposed scope of the assessment**

<b>Content of the FRMP</b>	<b>Will it be considered in the high level SEA i.e. for the whole plan?</b>	<b>Will a more detailed assessment be required i.e. at the measure level?</b>
<b>Flood risk maps</b>	No, this provides factual information	No
<b>Flood risk management objectives</b>	Yes, we will assess the likely impacts of our objectives. This will be a high-level assessment at a river basin district scale.	No
<b>Flood risk management measures</b>	Yes, we will provide a summary of the significant environmental effects and use this to help identify cumulative impacts.	A scoping exercise will be undertaken to consider whether measures are likely to have significant environmental effects and consider existing evidence. If significant environmental effects are likely then a more detailed assessment will be carried out. If significant environmental effects are not likely then they will not be included in the assessment. The scoping exercise will be clearly documented in the Environmental Report.
<b>Flood Risk Area FRMP</b>	Yes, we will provide a summary of the significant environmental effects and use this to help identify cumulative impacts.	Plan owner to decide.

## Other policies and plans



We have set out the plans that we consider to be relevant to the River Basin District in Annex 3 to this document. We will be producing an Environmental Report to be published with the draft Flood Risk Management Plan, that will provide a brief commentary of the key issues arising from the plans, policies and programmes and how we have taken them into account.

### **Habitats Regulations Assessment**

We will undertake a Habitats Regulations Assessment (HRA) as the FRMP is developed. We will take into account the HRAs undertaken for existing plans when determining the scope of the assessment and we will work with Natural England and Natural Resources Wales to determine the HRA requirements as the FRMP is formulated.

### **Water Framework Directive Assessment**

The FRMP will be closely aligned with the River Basin Management Plan. As the plans are both being prepared at the river basin district scale and following the same timescales, we will use much of the same information (environmental baseline and contextual information) for the SEAs. Opportunities for the FRMP to contribute to WFD objectives will be explored as part of the FRMP preparation process and will be highlighted in the Environmental Report.

WFD compliance assessment requirements will be incorporated into the SEA and reported in the Environmental Report.

### **The SEA Environmental Report and draft FRMP**

The SEA process will deliver an Environmental Report to be published with the draft FRMP for consultation (from September to December 2014). It will describe the environmental baseline of the river basin district, explain how the environmental assessment was carried out, identify the environmental impacts of the plan along with mitigation measures and set out our proposals for monitoring.

### **Statement of Environmental Particulars and Final FRMP**

Feedback from consultation on the draft FRMP and Environmental Report will be reviewed and taken into account by the Environment Agency and the LLFAs contributing to the FRMP. The draft FRMP will then be finalised and published alongside a Statement of Environmental Particulars that will include how feedback on the draft plan and Environmental Report have been taken into account and how environmental impacts will be monitored.

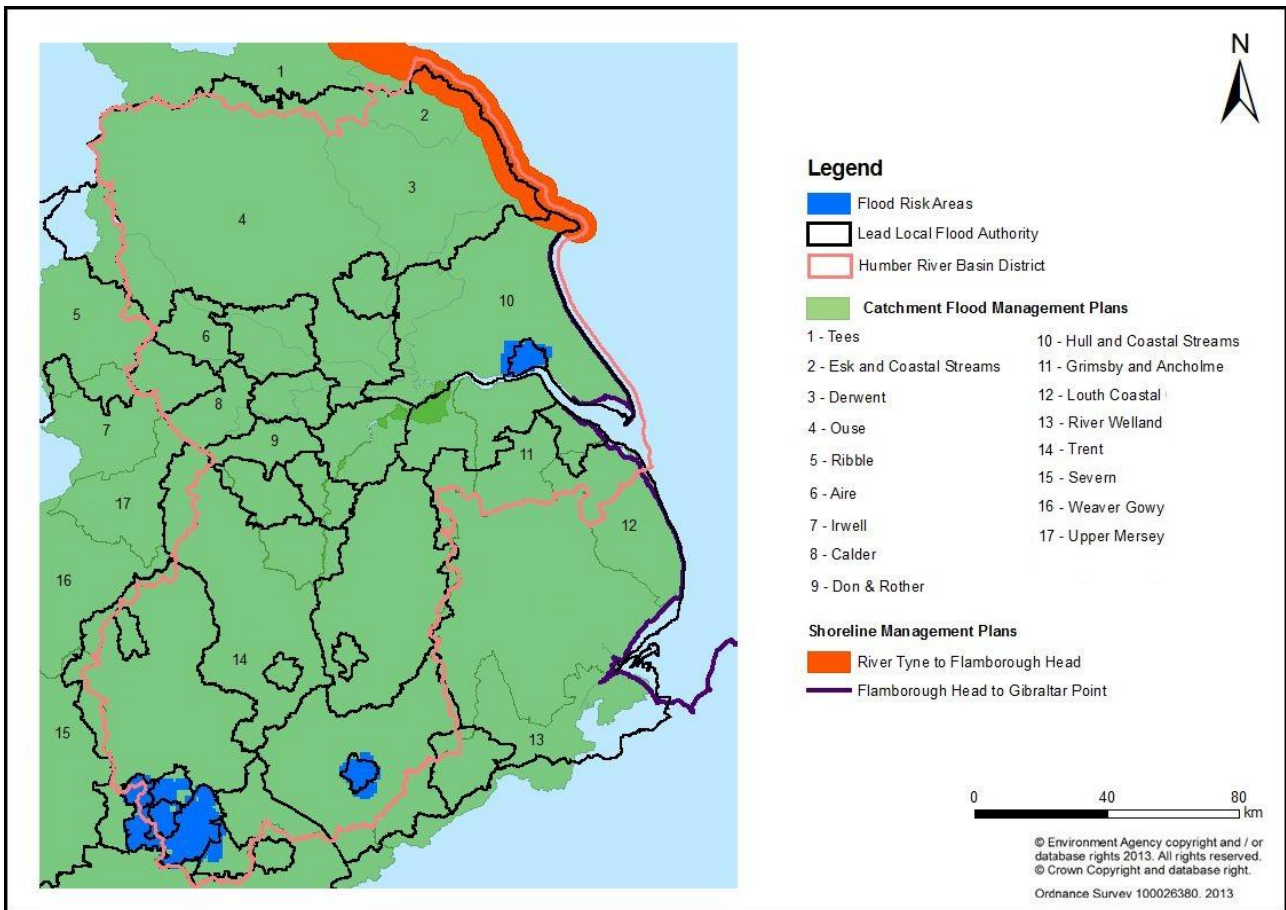
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18. <https://www.gov.uk/government/publications/national-flood-and-coastal-erosion-risk-management-strategy-for-england>
19. <http://www.legislation.gov.uk/uksi/2004/1633/contents/made>

# Annex 1: A summary of information for inclusion in the Flood Risk Management Plan

This annex sets out the information that will be drawn from other flood and coastal erosion risk management plans in order to develop the FRMP. Of particular relevance are the Catchment Flood Management Plans (CFMPs) and Shoreline Management Plans (SMPs) that have been developed for the whole of England and Wales. Figure 4 shows which of these plans are relevant for the River Basin District.

Proportionate measures for managing flood risk from reservoirs are likely to comprise the preparation of on-site and off-site Reservoir Plans. In some cases, such plans have already been developed and the FRMP will aim to broadly set out if these measures are already established and propose where such measures need to be developed by reservoir owners and Local Resilience Forums (details will be subject to further discussion from security services).



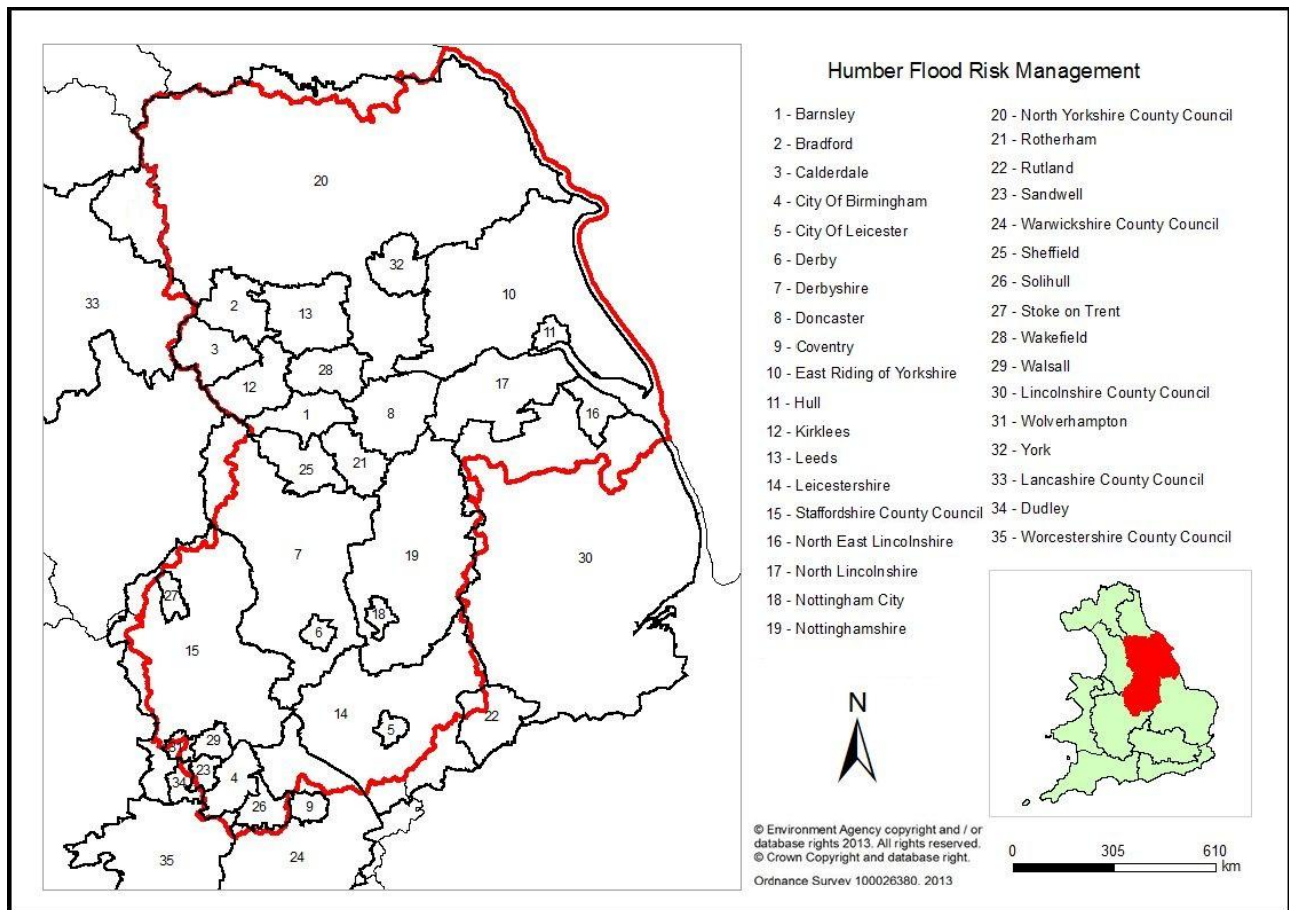
**Figure 4: CFMPs and SMPs in Humber River Basin District**

Tables A1 and A2 list the plans that risk management authorities are specifically drawing on and where previous consultation has been undertaken. They also show, if environmental assessment has been undertaken and any assessment related to the Habitats Regulations. The table also highlights the major changes we propose to make (if any) to those plans as we use the information to develop FRMPs.

Importantly, both tables also show if the information being used is for statutory purposes (used to fulfil a legal requirement of the FRMP), or voluntarily by the RMA to help present a more complete picture of flood and coastal erosion risk for the river basin district.

Contact details for the lead authorities are also included in the table so that the public can contact the relevant authorities should they want further information about specific plans.

Of particular importance for FRMPs and Local FRM Strategies are the Lead Local Flood Authorities (see figure 5 below). We also welcome inclusion of objectives and measures developed by other risk management authorities, such as Water and Sewerage Companies.



**Figure 5: LLFAs in Humber River Basin District**

Table A1. Information compiled by the Environment Agency related to flooding from rivers, the sea and reservoirs, and by local authorities related to coastal erosion risk management

No. on CFMP / SMP map	Title of plan used to develop draft FRMP	Sources of risk drawn from plan	Status of information in FRMP (statutory or voluntary)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
Information from the following Catchment Flood Management Plans:									
6	River Aire	Flooding from main rivers	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	we are carrying out a review of the CFMP actions. Where appropriate actions will be carried over to the FRMP either wholly, or adjusted slightly to better fit with current legislation. Those no longer applicable will be closed.	Yes, a voluntary Environmental Report was prepared to accompany the draft plan and consulted on at the same time.	Yes	No	No	Environment Agency: Contact: National Customer Contact Centre on: 03708 506 506 or email: enquiries@environment-agency.gov.uk
8	River Calder								
3	River Derwent								
9	River Don								
2	Esk and Coastal Streams								
10	River Hull and Coastal Streams								
4	River Ouse								
8	River Don								
9	River Calder								
11	Grimsby and Ancholme								
12	Louth Coastal								
15	Trent								

No. on CFMP / SMP map	Title of plan used to develop draft FRMP	Sources of risk drawn from plan	Status of information in FRMP (statutory or voluntary)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
Information from the following Inland, coastal and estuary strategies and plans									
n/a	Humber Flood Risk Management Strategy (currently being updated)	Flooding from the Humber Estuary	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	Yes	Yes	Yes	Environment Agency: Contact: National Customer Contact Centre on: 03708 506 506 or email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
n/a	Isle of Axholme Flood Risk Management Strategy	Flooding from main river	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	Yes	Yes	No	
n/a	Lower Aire Flood Risk Management Strategy (Draft)	Flooding from main river	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	No	No	No	
n/a	Lower Derwent Flood Risk Management Strategy	Flooding from main river	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	No	No	No	
n/a	Lower Tame Flood Risk Management Strategy	Flooding from main river	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	No	No	No	

No. on CFMP / SMP map	Title of plan used to develop draft FRMP	Sources of risk drawn from plan	Status of information in FRMP (statutory or voluntary)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
Information from the following Inland, coastal and estuary strategies and plans									
n/a	Upper Aire Flood Risk Management Strategy	Flooding from main river	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	No	No	No	Environment Agency: Contact: National Customer Contact Centre on: 03708 506 506 or email: enquiries@environment-agency.gov.uk
n/a	Lincolnshire Coastal Study	Flooding from the Sea	voluntary: this information will be included in the FRMP on a voluntary basis in order to provide a more complete picture of flood and coastal erosion risk management in the Humber River Basin District. The information should not be considered to form pa	The existing strategy will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	No	No	No	Lincolnshire Coastal Group Lincolnshire Coastal Study c/o Lincolnshire County Council County Offices Newland Lincoln LN1 1YL  Tel: (01522) 782070 Email: coastalstudy@lincolnshire.gov.uk
Information from the following Shoreline Management Plans:									
n/a	SMP 2 : North East Coast, River Tyne to Flamborough Head SMP2	Flooding from the Sea	statutory: this information informs the statutory requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing plans will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	Yes	Yes	Yes	Scarborough Borough Council, Town Hall, St Nicholas Street, Scarborough, North Yorkshire. YO11 2HG Tel: +44(0)1723 232323
n/a	SMP 3: Flamborough Head to Gibraltar Point SMP2				Yes, voluntary SEA	Yes	Yes	Yes	East Riding of Yorkshire Council County Hall, Cross Street Beverley, HU17 9BA, Tel: 01482 393939

No. on CFMP / SMP map	Title of plan used to develop draft FRMP	Sources of risk drawn from plan	Status of information in FRMP (statutory or voluntary)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
Information from the following Shoreline Management Plans:									
n/a	SMP 2 : North East Coast, River Tyne to Flamborough Head SMP2	Coastal erosion risk	voluntary: this information will be included in the FRMP on a voluntary basis in order to provide a more complete picture of flood and coastal erosion risk management in the Anglian River Basin District. The information should not be considered to form part of the statutory FRMP developed to meet the requirements for Flood Risk Management Plans under the Flood Risk Regulations	The existing plans will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	Yes	Yes	Yes	Scarborough Borough Council, Town Hall, St Nicholas Street, Scarborough, North Yorkshire. YO11 2HG Tel: +44(0)1723 232323
n/a	SMP 3: Flamborough Head to Gibraltar Point SMP2		The existing plans will be retained. Appropriate actions will be included in the FRMP.	Yes, voluntary SEA	Yes	Yes	Yes	East Riding of Yorkshire Council County Hall, Cross Street Beverley, HU17 9BA, Tel: 01482 393939	



Table B1. Information compiled by Lead Local Flood Authorities related to 'local' sources of flooding (ie flooding surface water, groundwater and ordinary watercourses)

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
1	Barnsley MBC	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	In progress	review and include relevant information from their Local FRM Strategy and SWMP	n/a	n/a	n/a	n/a	Barnsley MBC
2	City of Bradford MDC	surface water from Local FRM Strategy	No	Sharing plan information using the FRMP Database.	N/A	In progress	N/A	n/a	n/a	n/a	n/a	City of Bradford MDC
3	Calderdale MBC	surface water from Local FRM Strategy	No	Sharing plan information using the FRMP Database.	N/A	Public consultation on strategy in progress or complete	N/A	n/a	n/a	n/a	n/a	Calderdale MBC
8	Doncaster MBC	surface water from Local FRM Strategy	No	Sharing plan information using the FRMP Database.	N/A	Public consultation on strategy in progress or complete	N/A	yes	no	no	no	Doncaster MBC

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
10	East Riding of Yorkshire Council	All sources from Local FRM Strategy	No	Sharing of information	N/A	In Progress	N/A	n/a	n/a	n/a	n/a	East Riding of Yorkshire Council <a href="http://www2.eastriding.gov.uk/council/plans-and-policies/other-plans-and-policies-information/flood-risk/flood-risk-strategy/">http://www2.eastriding.gov.uk/council/plans-and-policies/other-plans-and-policies-information/flood-risk/flood-risk-strategy/</a>
		All sources from Hull and Haltemprice FRMP	Partially	Sharing of information	Statutory information is included in a separate FRMP. Elective FRMPs for all other catchments in district.	In progress	N/A	n/a	n/a	n/a	n/a	
11	Kingston upon Hull City Council	surface water from Local FRM Strategy	No	yes	Voluntary	In Progress	review and include relevant information from their Local FRM Strategy and SWMP	In progress	In progress	In progress	n/a	Kingston upon Hull City Council
		surface water and sewer from Hull and Haltemprice FRMP	yes	yes	Statutory	N/A	N/A	n/a	n/a	n/a	n/a	
12	Kirklees Council	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Summary of strategy published	review and include relevant information from their Local FRM Strategy and SWMP	yes	no	no	no	Kirklees Council

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
13	Leeds City Council	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Summary of strategy published	review and include relevant information from their Local FRM Strategy and SWMP	yes	no	no	no	Leeds City Council
20	North Yorkshire County Council	surface water from Local FRM Strategy	No	Yes	Voluntary	in progress	review and include relevant information from their Local FRM Strategy and SWMP	n/a	n/a	n/a	n/a	North Yorkshire County Council
21	Rotherham MBC	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Public consultation on strategy in progress or complete	review and include relevant information from their Local FRM Strategy and SWMP	yes	no	no	no	Rotherham MBC
25	Sheffield City Council	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Summary of strategy published	review and include relevant information from their Local FRM Strategy and SWMP	yes	no	no	no	Sheffield City Council
28	Wakefield Council	surface water from Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	In progress	review and include relevant information from their Local FRM Strategy and SWMP	n/a	n/a	n/a	n/a	Wakefield Council

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
32	City of York Council	surface water from Local FRM Strategy	No	TBC	TBC	In progress	N/A	n/a	n/a	n/a	n/a	City of York Council
4	Birmingham City Council	Local Flood Risk Management Strategy; PFRA, SFRA, SWMP	Yes	Yes	Statutory	Public consultation on strategy in progress or complete	Review and include relevant information from their Local FRM Strategy and SWMP	Scoping Stage complete and consulted on. SEA and HRA to be complete by March 2014.	Scoping Stage complete and consulted on. SEA and HRA to be complete by March 2014.	Yes	Only initial HRA has been undertaken, however it is highly unlikely that compensatory habitat will be needed	Birmingham City Council Council House, Victoria Square, Birmingham, B1 1BB contact@birmingham.gov.uk 0121 303 9944
	Coventry City Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Coventry City Council Earl Street, Coventry, CV1 5RR 0500 834 333 coventrydirect@coventry.gov.uk

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
34	Dudley Metropolitan Borough Council	Local Flood Risk Management Strategy; PFRA	Yes	Yes	Statutory	In progress	Council to review and consider which actions contained in the Local flood risk Strategy need to be included in the High Level FRMP	Yes	Yes	Yes	No	Dudley Metropolitan Borough Council Council House, Priory Road, Dudley, West Midlands, DY1 1HF 0300 555 2345 dudleycouncilplus@dudley.gov.uk
23	Sandwell Metropolitan Borough Council	TBC	Yes	Yes	Statutory	In progress	Council to review and consider which actions contained in the Local Flood Risk Strategy need to be included in the FRMP	TBC	TBC	TBC	TBC	Sandwell Metropolitan Borough Council PO Box 2374, Oldbury, B69 3DE 0845 358 2200 contact@sandwell.gov.uk
26	Solihull Metropolitan Borough Council	Ordinary watercourse, surface water, groundwater, artificial sources.	Partly	Yes	Statutory & Voluntary	In progress	Review and include relevant information from their Local FRM Strategy and SWMP	TBC	TBC	TBC	TBC	Solihull Metropolitan Borough Council Council House, Manor Square, Solihull, West Midlands, B91 3QB 0121 704 6000 connectcc@solihull.gov.uk

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
	Staffordshire County Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Staffordshire County Council (Matt Bulzacchelli - Flood Risk Manager) 1 Staffordshire Place, Stafford, ST16 2LP 0300 111 8000 matt.bulzacchelli@staffordshire.gov.uk
27	Stoke-on-Trent City Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Stoke-on-Trent City Council Civic Centre, Glebe Street, Stoke-on-Trent, ST4 1HH enquiries@stoke.gov.uk 01782 234234
29	Walsall Metropolitan Borough Council	TBC	Partly	Yes	Statutory & Voluntary	In progress	TBC	TBC	TBC	TBC	TBC	Walsall Metropolitan Borough Council The Civic Centre, Walsall, WS1 1TP 01922 650000 info@walsall.gov.uk

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
24	Warwickshire County Council	N/A	No	No	N/A	In progress	N/A	N/A	N/A	N/A	N/A	Warwickshire County Council Shire Hall, Warwick, CV34 4RL 01926 410410 feedback@warwickshire.gov.uk
31	Wolverhampton City Council	Surface water, ordinary watercourse and sewers from SWMP & LFRMS. Groundwater and artificial sources from PFRA. Main river from SFRA	Yes	Yes	Statutory and Voluntary	In progress	LLFA will review and include relevant information from their Local FRM Strategy and SWMP. The SEA is likely to advise increased focus upon incorporation of multi-functional use within flood measures as well as trying to capture cumulative benefits from the measures	A draft SEA has been undertaken as part of the LFRMS	There are no European sites within Wolverhampton so no HRA has been undertaken. Once proposals are provided then they will be screened to confirm the absence of effects on sites beyond WCC	HRA has not been required, but this will be reviewed once draft proposals are received	Unlikely to be required, but can only be determined once draft proposals are received	Wolverhampton City Council Civic Centre, St Peter's Square, Wolverhampton, WV1 1SH 01902 555755 gwyn.james@wolverhampton.gov.uk
6	Derby City Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Derby City Council Saxon House Heritage Gate Friary Street Derby DE1 1AN Kevin.Tozer@derby.gov.uk

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
7	Derbyshire County Council	N/A	No	No	Voluntary	Public consultation on strategy in progress or complete	N/A	TBC	TBC	TBC	TBC	Derbyshire County Council, County Hall, Matlock, Derbyshire, DE4 3AG 01629 538563 james.biddlestone@derbyshire.gov.uk
5	Leicester City Council	TBC	Yes	No	Statutory	In progress	TBC	TBC	TBC	TBC	TBC	Leicester City Council Castle Park Depot, 90 Leycroft Road. Tel. 0116 4544965 Martin.Fletcher@leicester.gov.uk
14	Leicestershire County Council	TBC	Partly	Yes	Statutory & Voluntary	In progress	TBC	TBC	TBC	TBC	TBC	Leicestershire County Council Highways Asset Management, County Hall, Glenfield, Leicestershire, LE3 8RJ Contact Daniel Rawle 0116 3057066 danny.rawle@leics.gov.uk



Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
18	Nottingham City Council	N/A	No	No	Voluntary	In progress	N/A	TBC	TBC	TBC	TBC	Nottingham City Council Loxley House, Station Road, Nottingham, NG2 3NG 0115 8765516 fay.bull@nottinghamcity.gov.uk
19	Nottinghamshire County Council	N/A	No	Yes	Voluntary	Public consultation on strategy in progress or complete	N/A	TBC	TBC	TBC	TBC	Nottinghamshire County Council Trent Bridge House, Fox Road, West Bridgford, Nottingham 0115 977 4590 andy.wallace@nottscc.gov.uk
17	North Lincolnshire Council	All Source Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	In progress	Review and include relevant information from Local FRM Strategy	TBC	TBC	TBC	TBC	Rod Chapman, North Lincolnshire Council 2013, Civic Centre, Ashby Road, Scunthorpe DN16 1AB, 01724 296296

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
30	Lincolnshire County Council	All Source Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Summary of strategy published	Review and include relevant information from Local FRM Strategy	Yes	Yes	No	No	David Hickman, County Offices, Newland, Lincoln, LN1 1YL, 01522-552222
	Lancashire	TBC	TBC	TBC	TBC	Public consultation on strategy in progress or complete	TBC	TBC	TBC	TBC	TBC	
16	North East Lincolnshire Council	All Source Local FRM Strategy	No	Not in Sept 2014 Draft Will be in Final Dec 2015 Draft	Voluntary	Public consultation on strategy in progress or complete	Review and include relevant information from Local FRM Strategy.	A Strategic Environmental Assessment (SEA) is being undertaken alongside the draft strategy which will also be part of the public consultation exercise	A screening exercise of the the strategy will be carried out to see if there are any implications from the Habitats Directive.	Will be determined once the screening exercise is complete.	No	Steven Coe , North East Lincolnshire Council, Municipal Offices, Town Hall Square, Grimsby, DN31 1HU, (01472) 313131
	Shropshire Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Shropshire Council Shirehall, Abbey Foregate Shrewsbury, Shropshire, SY2 6ND 0345 678 9000 customer.service@shropshire.gov.uk
	Rutland	N/A	TBC	TBC	TBC	In progress	TBC	TBC	TBC	TBC	TBC	TBC

Number on LLFA map	Lead Local Flood Authority	Sources of risk drawn from plan	Within a Flood Risk Area identified in the PFRA? (Yes/No)	Is local flood risk information included in Humber RBD FRMP?	Status of information in FRMP (statutory or voluntary)	Local Strategy progress (as of 31 March 2014)	Comments on proposed changes to the information contained in the original plan for inclusion in the FRMP	Was an Environmental Assessment of the plan undertaken?	Was a Habitats Regulations Assessment undertaken?	Was an Appropriate Assessment (under the Habitats Regulations) undertaken?	Was compensatory habitat needed (and a case agreed with the relevant Minister(s))?	Lead Authority (Who to contact for further information)
	Worcestershire County Council	N/A	No	No	N/A	In progress	N/A	TBC	TBC	TBC	TBC	Worcestershire County Council County Hall, Spetchley Road Worcester, WR5 2NP 01905 765765 worcestershirehub@worcestershire.gov.uk

# Annex 2 Results of SEA screening and scoping process

Table A2 provides the results of an early review of the proposed Environment Agency information for the FRMP. It identifies whether the objectives/measures/actions included are from existing plans and are likely to change as they are brought into the FRMP. It also identifies if new objectives/measures/actions are being proposed. This is important because it determines whether such information is adequately covered by existing SEA reports or if this information requires a further detailed level of environmental assessment (note all objectives/measures/actions will be scoped into the high level environmental assessment). SEA scoping is an ongoing process and table A2 is subject to future change.

**Table A2: Summary of the SEA screening/scoping outcomes**

Plan or Community at Risk	Level of changes for FRMP	Outcome of plan review	Initial SEA scoping results
<b>Community at Risk</b>	New actions/measures in the FRMP	A number of new actions are being considered in the FRMP appraisal that fall within categories Prevention, Preparedness and Recovery & Review	All new actions/measures will be included in the High Level Assessment
	New actions/measures in the FRMP	New actions are being considered in the FRMP appraisal that fall within categories Protection, No further action, and Preparedness by removal or relocation	These actions/measures will be considered for further detailed environmental assessment depending upon size, scale and sensitivity
<b>CFMP's all</b>	A number of studies were completed following recommendations from the CFMPs. Resulting actions/measures from these studies will be taken forward into the FRMP	Actions will be considered as new actions as they have not been assessed under the CFMP SEA. These new actions will be scoped as Community at Risk actions/measures above	Scoped as community at risk above
<b>Aire CFMP (Yorkshire)</b>	Changed in FRMP 100 - 110 actions	100 - 110 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 11 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 30 - 40 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP.	
<b>Calder CFMP (Yorkshire)</b>	Changed in FRMP 50 - 60 actions	50 - 60 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 8 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 20 - 30 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>Derwent CFMP (Yorkshire)</b>	Changed in FRMP 20 - 30 actions	20 - 30 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP	Existing CFMP appraisal	High level

	17 policies	valid and will be used as supporting evidence	assessment
	Not relevant to FRMP 17 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>Don CFMP (Yorkshire)</b>	Changed in FRMP 50 - 60 actions	50 - 60 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 7 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 20 - 30 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>Esk &amp; Coastal Streams CFMP (Yorkshire)</b>	Changed in FRMP 0 - 5 actions	0 - 5 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 2 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 6 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>River Hull &amp; Coastal Streams CFMP (Yorkshire)</b>	The CFMP actions are currently being reviewed with our partners.		
<b>Ouse CFMP (Yorkshire)</b>	Changed in FRMP 60 - 80 actions	60 - 80 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 29 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 50 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>Grimsby &amp; Ancholme CFMP (Anglian)</b>	Changed in FRMP 20-30 actions	20 - 30 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 6 policies	Existing CFMP appraisal valid and will be used as supporting evidence	High level assessment
	Not relevant to FRMP 7 actions	These actions have been completed, led by 3rd parties or will not be progressed in	

		the FRMP	
<b>Louth Coastal CFMP (Anglian)</b>	Changed in FRMP 60 - 70 actions	60 - 70 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 6 policies	Existing CFMP appraisal valid	High level assessment
	Not relevant to FRMP 12 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>Trent CFMP (Midlands)</b>	Changed in the FRMP <10 actions	<10 actions will be subject to minor or moderate change	High level assessment
	Unchanged in FRMP 6 policies	Existing CFMP appraisal valid.	High level assessment
	Not relevant to FRMP 81 actions	These actions have been completed, led by 3rd parties or will not be progressed in the FRMP	
<b>North East Coast, River Tyne to Flamborough Head SMP</b>	Actions are unlikely to be changed	Existing SMP appraisal valid.	High level assessment.
<b>Flamborough Head to Gibraltar Point SMP</b>	Actions are unlikely to be changed.	Existing SMP appraisal valid	High level assessment

## Annex 3: Policies, plans and programmes to be considered by the Strategic Environmental Assessment

Table A3 sets out the national plans, policies and programmes and Table B3 those that are only relevant to the catchment or River Basin District. Rather than identify every possible plan or programme we intend to focus on those that are likely to significantly influence the plan or our consideration of the environmental effects.

**Table A3: National plans, policies and programmes to be considered in the SEA**

Policy / Plan / Programme	Published by	Year
Water white paper: Water for life	Defra	2011
Water for people and the environment: Water resources strategy for England and Wales	Environment Agency	2009
National Planning Policy Framework	Communities & Local Government (CLG)	2012
Natural environment white paper: The natural choice: Securing the value of nature	Defra	2012
Biodiversity 2020: A strategy for England's Wildlife and Ecosystem Services	Defra	2012
Government Forestry & Woodlands Policy Statement	Defra	2013
The invasive and non-native species framework strategy for Great Britain	Defra, Scottish Government, Welsh Assembly Government	2008
Coastal squeeze: Implications for flood management. The requirements of The European Birds and Habitats Directives. Defra policy guidance.	Defra	2005
Safeguarding our soils: A strategy for England	Defra	2009
Understanding the risks, empowering communities, building resilience: The national flood and coastal erosion risk management strategy for England	Defra & Environment Agency	2011
UK Marine Policy Statement	HMG, NI Executive, Scottish Government, Welsh Assembly Government	2011
National Policy Statements (Overarching Energy, Renewable Energy, Fossil Fuels, Oil and Gas Supply and Storage, Electricity Networks, Nuclear Power, Ports, Hazardous Waste, Waste Water Treatment)	HMG	2011-12
Managing the Environment in a Changing Climate	Environment Agency	2010
The Government's Statement on the Historic Environment for England 2010	HMG	2010
All Landscapes Matter	Natural England	2009



When identifying plans, policies and programmes relevant to the RBD, we have concentrated on those plans that are similar in scale to the River Basin Management Plan or are likely to directly impact on the catchments within the RBD. We anticipate that as plans and projects are implemented, the implications of any local plans will also be considered. There are some plans that provide comprehensive coverage across the RBD, for example local authority core strategies. Rather than list these individually, we have identified the type of plan, and when we undertake the assessment we will consider all of the plans of this type that are relevant to the RBD.

**Table B3: Plans, policies and programmes relevant to the Humber RBD**

Policy / Plan / Programme	Published by	Year
AONB Management Plans 2009-2014 (including revisions) Cannock Chase Howardian Hills Lincolnshire Wolds Nidderdale	Various	2009
Catchment Abstraction Management Plans	Environment Agency	Various
Catchment Flood Management Plans	Environment Agency	Various
Coastal and Flood Risk Management Strategies	Various	Various
Core Strategies	Local authorities	Various
Developing Marine Plans for East Inshore, East Offshore, North East Inshore and North East Offshore	Marine Management Organisation	Various
Drought Plans Anglian Region Drought Plan Midlands Region Drought Plan Yorkshire & North East Drought Plan	Environment Agency	Various
Drought Plans (Water companies)	Anglian Water Yorkshire Water South Staffordshire Water Severn Trent Water	Various
Eel Management Plan: Humber River Basin District	Environment Agency	2010
Heritage at Risk 2012: East Midlands	English Heritage	2012
Heritage at Risk 2012: West Midlands	English Heritage	2012
Heritage at Risk 2012: Yorkshire and the Humber	English Heritage	2012
Humber River Basin Management Plan	Environment Agency	2009
Local Biodiversity Action Plans	Various	Various
Midlands Woodland for Water Project - Phase 1: Opportunity Mapping	Forest Research (Forestry Commission)	2013
Minerals and Waste Plans	Local authorities	Various
National Character Area Profiles	Natural England	Various

National Nature Reserve Plans	Various	Various
National Park Management Plans (including drafts) Peak District North York Moors Yorkshire Dales	National Park Authority	Various
Regional Transport Plans	Local authorities	Various
River Restoration Strategies River Derwent (Yorkshire) River Dove (Units 40, 41 & 43) River Eye River Hull Headwaters River Mease River Wharfe	Natural England & Partners	Various
Shoreline Management Plans	Various	Various
Surface Water Management Plans	Local authorities	Various
Water Cycle Strategies	Local authorities	Various
Water Level Management Plans	Various	Various
Water Resources Management Plan (Water Companies)	Anglian Water Yorkshire Water South Staffordshire Water Severn Trent	Various
Water resources strategy: Regional Action Plan for Anglian Region Midlands Region Yorkshire and North East Region	Environment Agency	2009

# Annex 4: Environmental Baseline Summary to be considered by the Strategic Environmental Assessment

The SEA regulations set out a number of environmental factors to be considered during the assessment. In this FRMP assessment we want to focus on those effects that are likely to be significant, whether positive or negative at the scale of the plan which is for the river basin district. The following table sets out the environmental topics referred to in the regulations along with key baseline information for the river basin district and indicates whether we intend to consider it within the high level assessment

Table A4: Range of environmental topics for consideration in the high level assessment

Environmental topic	Baseline facts and figures	To be considered by the high level assessment?
<b>Biodiversity, flora and fauna</b>	<ul style="list-style-type: none"> <li>• Humber River Basin District (RBD) contains important wetland and intertidal habitats, with 11% of the UK's saline lagoon habitat around the Humber Estuary</li> <li>• 26 Special Areas of Conservation</li> <li>• 7 Special Protection Areas</li> <li>• 5 Ramsar sites</li> <li>• 3 recommended Marine Conservation Zones</li> <li>• 646 Sites of Special Scientific Interest (SSSI)</li> <li>• 21 National Nature Reserves</li> <li>• 4 Nature Improvement Areas</li> <li>• water bodies and wetland areas support a number of protected species (e.g. otter, water vole) and priority species listed in the UK Biodiversity Action Plan (e.g. White-clawed Crayfish)</li> <li>• invasive species are present in many catchments across the RBD (e.g Japanese Knotweed, Signal Crayfish)</li> </ul>	Yes
<b>Population and human health</b>	<ul style="list-style-type: none"> <li>• key economic sectors include business services, health, wholesale and distribution. Manufacturing (particularly metals) is an important contributor, but has been declining in recent years</li> <li>• agriculture is the predominant rural land use</li> <li>• over 10.8 million people live and work in towns and cities, with key urban centres including Birmingham, Hull, Leeds, and Leicester</li> <li>• many cities and towns within the RBD are proposing growth, along with the creation of jobs and services</li> </ul>	Yes

	<ul style="list-style-type: none"> <li>• while most communities have average health, there are pockets of deprivation and an ageing population in both urban and rural areas</li> <li>• the RBD features numerous recreational resources, including angling (contributing an estimated £133 million and thousands of jobs into the RBD), and an extensive rights of way network (e.g. important National Trails such as the Pennine Way and undesignated routes such as Wainwrights coast to coast)</li> <li>• 20 designated bathing waters around the coast, with important seaside towns attracting large numbers of visitors e.g. Scarborough</li> </ul>	
<b>Soil</b>	<ul style="list-style-type: none"> <li>• bedrock geology is characterised by sandstone, mudstone and siltstone</li> <li>• surface, or drift, geology features clays, sands, till, silts and gravels laid over the bedrock in some places, whilst in others the bedrock remains exposed or lies directly beneath the soil</li> <li>• a number of SSSIs designated for geological reasons e.g. South Pennine Moors SSSI and Eastern Peak District SSSI</li> <li>• historically mining and quarrying for coal and other minerals was widespread across the RBD. Today mineral extraction is less widespread with only a small number of deep coal and potash mines and surface mines remaining</li> </ul>	Yes
<b>Water</b>	<ul style="list-style-type: none"> <li>• 15 catchments with water bodies comprising rivers, lakes, coastal and transitional (estuarine) waters, canals, as well as groundwater</li> <li>• groundwater and surface water bodies are subject to high levels of abstraction, mainly for public water supply, but also for industries such as manufacturing, power generation and agriculture</li> <li>• some water supplies are provided through the use of reservoirs</li> </ul>	Yes
<b>Air</b>	<ul style="list-style-type: none"> <li>• while individual actions may have a small localised impact on air quality, at a strategic level, it very unlikely that the Flood Risk Management Plan would have a significant effect on air quality within the river basin district.</li> </ul>	No
<b>Climatic factors</b>	<ul style="list-style-type: none"> <li>• UKCIP predicts (under a medium emissions scenario) that by the 2050s winter temperatures across the RBD could rise by between 1.1oC and 3.4oC and summer temperatures by between 1.1oC and 3.9oC</li> <li>• Rainfall may change in summer from a decrease of 36% to an increase by 1%, and winter rainfall may increase by between 1% and 24%</li> </ul>	Yes
<b>Infrastructure</b>	<ul style="list-style-type: none"> <li>• railways (including the East Coast Main Line and Trans Pennine Railway), motorways, primary roads</li> <li>• power stations (including one of the largest coal fired powered station in Europe at Drax), hydropower,</li> </ul>	Yes

	<ul style="list-style-type: none"> <li>• 8 airports (including Birmingham, East Midlands, Leeds Bradford, and Robin Hood),</li> <li>• canals, marinas and ports (the Humber Ports Complex is the largest in the UK, accounting for 16% of the UK's maritime trade)</li> <li>• around 570 licensed waste sites and 4,600 historic landfill sites</li> </ul>	
<b>Cultural heritage</b>	<ul style="list-style-type: none"> <li>• 3 World Heritage Sites (Fountains Abbey/Studley Royal, Derwent Valley Mills, Saltair Village)</li> <li>• approximately 4,156 scheduled ancient monuments</li> <li>• numerous registered park and gardens (e.g Castle Howard), registered battle fields, listed buildings, conservation areas and heritage sites.</li> <li>• many structures directly associated with the water environment have listed status e.g. mills, bridges, weirs and sluices</li> <li>• the RDB is rich in archaeology including ancient Roman banks/ditches, prehistoric hill forts, medieval earth and stone castles, redundant industrial buildings and structures. There are large areas of land where there is little or no knowledge of what might be beneath the topsoil</li> </ul>	Yes
<b>Landscape</b>	<ul style="list-style-type: none"> <li>• the landscape is diverse, ranging from extensive upland moorland through undulating areas to lowland plains which include vales and fens. The coast ranges from high chalk cliffs, high boulder clay cliffs to areas of beach</li> <li>• artificial water bodies such as quarry lakes, reservoirs and canals form a strong component of the landscape.</li> <li>• 4 Areas of Outstanding Natural Beauty (Howardian Hills, Nidderdale, Cannock Chase, Lincolnshire Wolds)</li> <li>• 3 Heritage Coasts (Spurn Head, Flamborough Headland, North Yorkshire)</li> <li>• 3 National Parks (North York Moors, Yorkshire Dales, Peak District)</li> </ul>	Yes

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