



# Doncaster Council

## Report

---

Date: 21/09/22

To the Cabinet Member for Sustainability and Waste

Humber 2100+ Strategy and Flood Risk Management Plans

Relevant Cabinet Member(s)	Wards Affected	Key Decision
Cllr Mark Houlbrook	All	Yes

### EXECUTIVE SUMMARY

1. The Council, as Lead Local Flood Authority (LLFA), are being requested by the Environment Agency (EA) to adopt the step 1 Humber 2100+ strategy findings, which comprise of flood modelling outputs. The EA are requesting all partners (including Doncaster) to review and consider the outputs of the phase 1 modelling to confirm that we accept the extent of the flood risk. Doncaster has had good representation on these development meetings and are satisfied that they have used a robust methodology, and ultimately recognise the validity of the outputs. Moving forward, further modelling will be undertaken, and by extension, potential mitigation options, which will be subject to a further decision. A Portfolio Holder decision is required to formally accept the findings of the step 1 modelling exercise on behalf of the Council.

In terms of the Flood Risk Management Plan (FRMP), this is a statutory duty under the Flood Risk Regulations 2009, and are updated on a 6 yearly cycle to reflect emerging priority flood risk areas. This plan sets out how we (as an LLFA) propose to manage the flood risk within our administrative area. On a national scale, all LLFAs have agreed to support the EA in developing these plans. In terms of a timeline, we have completed the consultation phase and we are now aiming for adoption, with a projected timescale of completing our internal approval process by the end of September. A Portfolio Holder decision is required to formally adopt the FRMP by the Council.

### EXEMPT REPORT

2. No exempt/confidential information contained within this report.

## RECOMMENDATIONS

3. For the reasons set out in section 1 & 5 of this report, it is recommended to accept the findings of the Humber 2100+ stage 1 modelling outputs and adopt and implement the Flood Risk Management Plan.

## WHAT DOES THIS MEAN FOR THE CITIZENS OF DONCASTER?

4. The impact of this report on the Citizens of Doncaster are as follows:

### Humber 2100+ Strategy

The acceptance of the modelling will provide the citizens with the confidence that the modelling has been suitably considered and reviewed by Doncaster Council. It will also demonstrate to the citizens that Doncaster Council are actively working with partners to manage flood risk at a strategic level. It is thought that the modelling acceptance will help raise awareness of the current and future flood risk and support citizens with increasing their personal resilience.

### Flood Risk Management Plans

Implementing the FRMPs will support the council in delivering solutions to better protect citizens and their communities from flooding. By extension, these plans will provide an evidence base for attracting external funding and be a decision making tool for prioritising limited internal funding. The plans will also ensure investment is targeted on a risk based approach and in a fair and equal manner, which will help support citizens who need the most support.

## BACKGROUND

### 5. Humber 2100+ Strategy

The current flood risk management strategy, 'Planning for the Rising Tides' was put in place in 2008 and took a strategic approach to managing flood risk on the Humber. By 2021 over £150m will have been invested in flood defence improvements as a result of the current Strategy, improving the standard of protection to 70,000 properties.

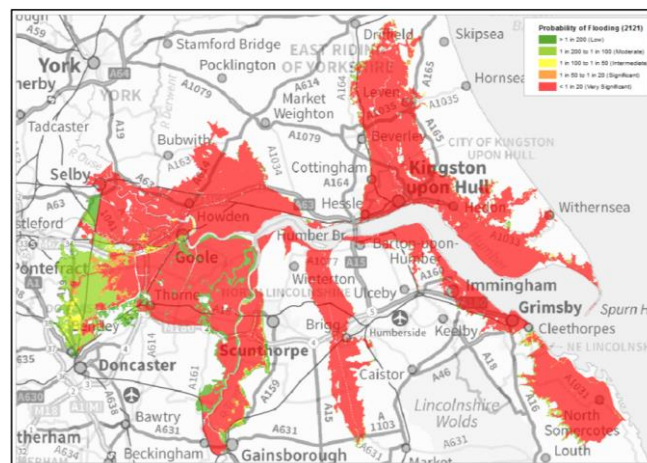
When the EA developed the original Humber Strategy, we agreed to subject it to regular review to ensure that it still meets the future needs of the people, property and the environment around the Humber Estuary. The 2013 tidal surge gave us better evidence for how flood water will behave, and that has made the case for a new Strategy.

Humber 2100+ is a partnership consisting of 12 local authorities from around the Humber and the EA. We are working together, in association with Local Enterprise Partnerships, Natural England and Internal Drainage Boards, to develop a strategy that will reinforce our long term ambition for a prosperous Humber with a world class economy and a world class environment, which is a safe and sustainable place to live, work and visit. This collaboration can be seen in **Figure 1** below.



**Figure 1 – Illustrating partner organisations**

The Environment Agency has produced broadscale hydraulic modelling to measure the impact of flooding from the estuary, and the inland impact it will have. The outputs of this modelling is classified as ‘step 1’ and this is the basis for this report. A visual output of the modelling is shown below by Figure 2. The proceeding steps will involve quantifying the impacts in greater detail and, by extension, developing options to mitigate the impact of this flooding. We intend to review the next set of required approvals at the next step of the project development.



**Figure 2 – Probability of flooding in 100 years**

The Humber Strategy information can be found here: [Humber 2100+ - Environment Agency - Citizen Space \(environment-agency.gov.uk\)](https://www.environment-agency.gov.uk/citizen-space/humber-2100-plus)

### Flood Risk Management Plans

The Flood Risk Regulations 2009 (FRR) transposed the EU Floods Directive into English law and continue to apply now that we have left the European Union. They set out a process for preparing, reviewing and updating FRMPs over a six-year planning cycle. The planning cycle starts with a preliminary flood risk assessment and the identification of flood risk areas following ministerial guidance, followed by flood risk and hazard mapping and finally FRMPs. The statutory obligation in the FRR requires the Environment Agency and LLFAs to prepare FRMPs for the flood risk areas (FRAs) identified in the preliminary flood risk assessment (PFRA) stage of the planning cycle. If an FRA or FRAs for surface water flooding were identified



	<ul style="list-style-type: none"> <li>• Inward Investment</li> </ul>	and prosperous future for Doncaster.
	<p><b>Doncaster Living:</b> Our vision is for Doncaster's people to live in a borough that is vibrant and full of opportunity, where people enjoy spending time;</p> <ul style="list-style-type: none"> <li>• The town centres are the beating heart of Doncaster</li> <li>• More people can live in a good quality, affordable home</li> <li>• Healthy and Vibrant Communities through Physical Activity and Sport</li> <li>• Everyone takes responsibility for keeping Doncaster Clean</li> <li>• Building on our cultural, artistic and sporting heritage</li> </ul>	It is widely recognised that flooding can have a significant social impact on affected communities. It is anticipated that the Flood Risk Management Plans will help improve local resilience of communities and remain living in good quality homes.
	<p><b>Doncaster Learning:</b> Our vision is for learning that prepares all children, young people and adults for a life that is fulfilling;</p> <ul style="list-style-type: none"> <li>• Every child has life-changing learning experiences within and beyond school</li> <li>• Many more great teachers work in Doncaster Schools that are good or better</li> <li>• Learning in Doncaster prepares young people for the world of work</li> </ul>	Flood Risk Management Plans and subsequent actions are essential to make our Borough fit for future generations.
	<p><b>Doncaster Caring:</b> Our vision is for a borough that cares together for its most vulnerable residents;</p> <ul style="list-style-type: none"> <li>• Children have the best start in life</li> <li>• Vulnerable families and individuals have support from someone they trust</li> <li>• Older people can live well and independently in their own homes</li> </ul>	It is anticipated that the Humber 2100+ strategy will increase awareness of flood risk amongst vulnerable communities. This new information will enable communities to review their existing resilience and consider improving their resilience to limit any potential displacement.
	<p><b>Connected Council:</b></p> <ul style="list-style-type: none"> <li>• A modern, efficient and flexible workforce</li> <li>• Modern, accessible customer interactions</li> <li>• Operating within our resources and</li> </ul>	The Flood Risk Management Plans will be used as an investment tool and help steer decision making. This will, by extension, assist Doncaster to operate within available

	<p>delivering value for money</p> <ul style="list-style-type: none"> <li>• A co-ordinated, whole person, whole life focus on the needs and aspirations of residents</li> <li>• Building community resilience and self-reliance by connecting community assets and strengths</li> <li>• Working with our partners and residents to provide effective leadership and governance</li> </ul>	<p>resources and obtain value for money.</p>
--	--	--

## RISKS AND ASSUMPTIONS

### 9. Risks

The development and implementation of FRMPs are a statutory duty for Lead Local Flood Authorities. Failure to support the adoption of the FRMPs may lead to complications with fully discharging this duty. However low, this risk has been managed through engagement with the portfolio holder and fully briefing them on the content and implications of the FRMPs.

### Assumptions

Whilst the Humber 2100+ modelling outputs remains a 'live' document and will be changed to reflect new data, it is assumed (in the absence of real data) that the flood risk will align with future Climate Change projections over the next 100 years.

## LEGAL IMPLICATIONS [Officer Initials NC Date 6/9/22]

10. The Council is designated under the Flood and Water Management Act 2010 as the Lead Local Flood Authority "LLFA") for the Borough. The 2010 Act imposes a number of duties on the Council as LLFA, including a duty to develop, maintain, apply and monitor a local flood risk management strategy (section 9), and a duty to cooperate with other relevant flood risk management authorities (e.g. other LLFAs, the Environment Agencies and internal drainage boards) when undertaking their flood risk management functions (section 13).

Regulation 26 of the Flood Risk Regulations 2009 places a duty on the Council to prepare a risk management plan for each relevant flood risk area. The Environment Agency must review such plans and may recommend modifications. Following a review the Council may revise its flood risk management plan. Regulation 27 of the 2009 Regulations requires the Council to consult on the proposed content of a plan with any authorities that may be affected by the plan and the public. The Council must also have regard to guidance issued by the Environment Agency about the form of flood risk management plans.

## FINANCIAL IMPLICATIONS [Officer Initials...AB..... Date...09/09/22..]

11.

There are no direct financial implications attached to this report. Approving the strategy will help support funding for further works required within

Doncaster relating to flood risk. These works will be subject to further approval reports as they are progressed.

#### **HUMAN RESOURCES IMPLICATIONS [Officer Initials RC Date 12/09/2022]**

There are no staffing implications arising from this report.

12.

#### **TECHNOLOGY IMPLICATIONS [Officer Initials PW Date 02/09/22]**

13. There are no specific technology implications in relation to this report. However, any requirements for new, enhanced or replacement technology to support the delivery of the Flood Risk Management Plan will need to be considered and prioritised by the Technology Governance Board (TGB).

#### **HEALTH IMPLICATIONS [Officer Initials CW Date 09/09/2022]**

14. Flooding can adversely affect health and wellbeing due to impacts such as waterborne diseases, it compounds conditions related to damp and mental health and wellbeing impacts can be severe. Qualitative evidence suggests the negative effects on wellbeing may persist for months or even years after a flood incident and those at risk of repeated flooding may be particularly susceptible. Implementing the FRMP can therefore support the health and wellbeing of Doncaster's communities.

#### **EQUALITY IMPLICATIONS [Officer Initials RC Date 07/09/2022]**

15. The criteria used to inform this decision is based on a statutory duty and climate change projections. Therefore, it is considered that this decision falls outside of the Public Sector Equality Duty remit.

#### **CONSULTATION**

16. Portfolio Holder.  
Environment Agency.  
Internal Drainage Board.

#### **BACKGROUND PAPERS**

17. None.

#### **GLOSSARY OF ACRONYMS AND ABBREVIATIONS**

FRMP – Flood Risk Management Plan  
LLFA – Lead Local Flood Authority  
EA – Environment Agency

#### **REPORT AUTHOR & CONTRIBUTORS**

Richard Campbell, Senior Flood Risk Engineer  
01302 737896 richard.campbell@doncaster.gov.uk

#### **Name & Title of Lead Officer**

Paul Evans, Drainage and Street Works Manager