

Aerial Image of William Blythe Tillery and Clay Pits - 2022

Welcome to the Project

Welcome to the fourth edition of the Barton to New Holland Tidal Flood Alleviation Scheme Newsletter.

Tidal flooding is a long-standing problem for the communities of Barton, Barrow and New Holland. Previous tidal flood incidents such as the last major incident which took place on the 5 December 2013, highlight the need for improved tidal flood defences and increased community resilience.

This scheme aims to develop an approach to alleviate tidal flooding which has community resilience, sustainability, and adaptation at its core.

Project Update

Firstly, we would like to thank you all for your continued support on this project. We made good progress during 2022 and will continue to do so during 2023.

This year we are continuing to engage with our Resilience Advisory Group and Steering Group to help with the assessment of options and better understand how they will impact and benefit the wider community.

The Groups are made up of local residents and representatives from environmental bodies such as Natural England and Lincolnshire Wildlife Trust, North Lincolnshire District council, and internal drainage board authorities.



Figure 1: The red line on this map shows the extent of the project area boundary between Barton to New Holland.

Ground Investigation Surveys

In January we began our first phase of on-site ground investigation surveys with our delivery partners, Jackson Civil Engineering. These surveys will help us understand the makeup of some sections of the existing flood embankments and underlying ground.



Figure 2: The project team on site using a cut down rig.



Figure 2: One of the Hydrogen Cells used to power the site.

As an organisation, the Environment Agency are committed to reducing carbon emissions and being as clean and green as possible throughout all stages of a project. Therefore, to provide power to our ground investigation sites we have chosen to use hydrogen fuel cells and solar panels.

Hydrogen fuel cells are a zero-carbon alternative to traditional diesel generators. Not only are they better for the environment, but they are also significantly quieter to run compared to diesel generators, meaning less disturbance and disruption to the community, and surrounding residential areas.

Landscape and Heritage

Our cultural heritage consultant and landscape architects from Arup have been conducting desk-based and field-based research to understand the historic environment and landscape between Barton to New Holland. This will allow the project team to be sensitive to landscape, cultural and heritage sites within the project area when considering the design.

The area is complex and diverse, and findings span multiple archaeological and cultural periods with local, regional, and national significance.

Studies show that there are:

- 1,421 recorded built heritage assets and archaeological sites with the majority dating from the Post Medieval period.
- 220 of these are designated heritage assets meaning they are sites of national importance.
- The remaining 1,201 are non-designated heritage assets meaning they are of local and regional importance.

If you would like to know more about our historic and cultural findings let us know via our inbox BartontoNH@environment-agency.gov.uk



Figure 3: Map showing the locations of the non-designated heritage assets. The red line indicates the project area, and the blue line indicates the study area. Produced by Arup © 2022. NHLE data are reproduced under Open Government Licence Version 3.0, 2022. HER data are reproduced with the permission of North Lincolnshire Council, North Lincolnshire Council Copyright © 2022. Base map contains OS data, Crown Copyright © 2022.

Engagement

In January 2023 our Citizen Space webpage had a refresh! Access the webpage via the link or QR code below. The updated webpage is more user friendly and should be clearer and easier to navigate. On the site you can find out more about the project team, the project objectives, view photos taken on site by members of the project team and read our quarterly project updates.

We would love to hear what you think of our Citizen Space Webpage! Do you find it easy to use? Is there any other information you would like to see on there? Let us know via our inbox BartontoNH@environment-agency.gov.uk

During the Spring we will be producing a project overview video. The video will be used on the Environment Agency's social media and as a promotional and informational tool for our project. Keep an eye on our Citizen Space for the premiere!

Next Steps

- Continue working with the Resilience Advisory Group and Steering Group to evaluate and discuss options. The options will be appraised in detail during the summer/autumn of 2023 to determine the preferred option and measures that will be included in an outline business case towards the end of the year.
- Over April and May, we will be undertaking topographic and non-intrusive surveys to inform the shortlist development. Any landowners who may be affected will be written to in advance.
- We are continuing with environmental surveys and baseline reporting. Our Year 2 bird surveys are currently scheduled to take place until the end of March.

Contact Us:

Email: BartontoNH@environment-agency.gov.uk

Citizen Space: Barton to New Holland Citizen Space

