

York Flood Alleviation Scheme

September 2018

Update for September's Scrutiny Committee Session

This is an update of the progression made over the last few months on the flood alleviation work in York. In this update we have provided:

- Summary of city wide flood alleviation activities
- Update on each flood cell
- Map of the flood cells
- Engagement plan for the next few months

Summary of city wide flood alleviation activities

York Long Term Plan

In summer 2017 we published the study 'Slowing the flow in the rivers Ouse and Foss; a long-term plan for York'. For 6 weeks from 8 May 2018 to 19 June 2018 we ran an online consultation on the Citizen Space website to follow up on the conversations we've had over the past year and to allow any interested parties to formally make comment on the study. The majority of respondents supported our ambition to achieve, as far as is possible, a consistent standard of hard flood defences through the city of York and then provide additional protection and climate change mitigation through other measures in the wider catchment. A summary of the consultation is published on Citizen Space.

The results of this study mean that we will:

- Carry out investigations into the feasibility of optimising or building new flood storage areas to reduce flood risk in York and other communities, and engage with a wide range of parties at an early stage.
- Continue to work with our partners on developing smaller NFM and Slowing the Flow measures.
- Develop a case for a Foss Catchment Project Officer to help facilitate and manage flood risk and environmental improvement projects on the Foss
- Continue to develop plans for a flood storage area on the Foss as part of the York Flood Alleviation Scheme. Our plans align with a specific site mentioned by some respondents.
- Work with the Dales to Vale network as a key forum for discussion of Slowing the Flow and for the development of new projects.
- Use the Flood Risk Management Plans to record and track specific actions.

Engagement activity on York Flood Alleviation Scheme

We continue to engage across York.

- The Hub provides residents with a central location where they can come to ask questions about our work, view plans, and provide feedback. The opening times are 10:00 to 16:00 on Monday, Wednesday and Thursday each week.
- Our quarterly newsletter, next due in September 2018.
- Our York flood alleviation scheme web pages hosted on Citizen Space, an engagement portal that will allow residents to view all engagement material and provide feedback. <https://consult.environment-agency.gov.uk/yorkshire/yorkfas/>
- Working with City of York Council, we are also working to improve the 'flood' pages on the council website to ensure effective and transparent communication with residents before, during and after flooding.

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Our area (flood cell) specific engagement continues and is outlined in the next section. Our engagement plan for the next few months is also included as part of this document.

Update on progress of each flood cell

This section provides an update on each of the areas (flood cells) being taken forward as part of York Flood Alleviation Scheme.

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Flood Cell	Detail	Current/Next Activity
B16 - New Walk	<p>A public meeting was held on 23 May. We presented all technical options and the preferred approach based on technical and economic feasibility. This was identified as Property Flood Resilience.</p> <p>We are currently confirming future water levels within the area prior to writing to residents to request confirmation that they would like to pursue Property Flood Resilience.</p>	<ul style="list-style-type: none"> • Aug – Letters sent to residents confirming decision and programme for delivery; • Sept –PFR roadshow and confirmation from individual residents to proceed with PFR; • Oct – Product selection and procurement; • Nov 18 – Commence PFR installation and handover.
B8 - Clementhorpe and South Bank	<p>Our outline business case for the area was submitted in July 2018. Ground Investigations have been completed.</p> <p>We have split the area into two – Clementhorpe (between Skeldergate Bridge and Rowntree Park) and South Bank (Rowntree Park to St Chads Wharf. Solutions for both areas have been confirmed.</p> <p>Clementhorpe: Scheme identified which includes raising of existing defences, demountable barrier at Clementhorpe, new flood gates, road raising and Property Flood Resilience. We are currently engaging with residents and owners of all waterfront apartments in regards to scheme design.</p> <p>South Bank: Property Flood Resilience will be provided to all properties within the 1:100 year flood outline (1%). We have sent letters to all residents confirming this. We have also asked those who have experienced flooding within their properties to get in touch to ensure they are included in the scheme.</p> <p>Our web page for this location is now live: https://consult.environment-agency.gov.uk/yorkshire/yorkfascllementhorpe/</p>	<p>Clementhorpe</p> <ul style="list-style-type: none"> • Outline Business Case submitted in July 2018. • Finalisation of Clementhorpe area scheme options for submission for planning in September 2018. This includes engaging with residents on scheme design. <p>South Bank</p> <ul style="list-style-type: none"> • July/Aug – Continue engaging with residents to ensure all eligible properties have been identified; • Sept – Inception meeting – PFR roadshow and confirmation from individual residents to proceed with PFR; • Oct – Surveyor appointed and individual property surveys carried out; • Nov – Draft surveys published and surgery with residents to discuss recommendations; • Dec – Product selection and procurement; • Jan 19 – Commence PFR installation and handover.

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<p>B4 - Scarborough to Ouse Bridge (Right Bank)</p>	<p>Our outline business case for the area was submitted in July 2018. Ground Investigations have been completed.</p> <p>Following engagement with members of the public earlier in the year and ongoing engagement with CYC and Historic England we have produced detailed designs for the flood defences in this area.</p> <p>For the new proposed flood defences behind Memorial Gardens we have submitted planning proposals to CYC Planning. For the other proposed flood defences in the area we are progressing these under the Town and County Planning (General Permitted Development) Order 2015. Following the Decision Session – Executive Member for Environment meeting on 4 June the EA submitted a paper on our proposed approach to planning. A copy of the paper can be found on the CYC website via this link - http://democracy.york.gov.uk/documents/s124583/York%20FAS%20-%20Planning%20Approach%20Briefing%20Note%20CD.pdf</p> <p>Our web page for this location is now live: https://consult.environment-agency.gov.uk/yorkshire/scarboroughbridgetoousebridgerightbank/</p>	<ul style="list-style-type: none"> • Planning will be submitted in early September 2018 • Over the next 4 months the focus will be on agreeing the commercial contracts and plans for the construction phase • In late autumn 2018 we will be in a position to engage with the public on the construction plans and approach for the area • The current planned start date for construction is Feb 2019.
<p>F9 - South Beck</p>	<p>We have undertaken detailed modelling assessments of the flood risk for the South Beck flood cell and these have informed potential flood intervention options for the cell.</p>	<ul style="list-style-type: none"> • Engagement with the local community on proposals in the autumn 2018.
<p>C3 - Naburn</p>	<p>We have been working closely with Naburn Flood Group for a number of years to tackle the various causes of flooding to the village. A detailed modelling study commissioned prior to the 2015 floods has provided clarity on the scale of risk and the interventions needed to reduce this.</p> <p>We have had further engagement with the Naburn Flood Group to update them on the modelling work that has been undertaken and to discuss the likely scale and scope of flood intervention options. Ground investigations have been carried out to inform the viability of works.</p>	<ul style="list-style-type: none"> • In Oct 2018 we will have completed an assessment of potential viable flood defence options for Naburn • In Oct/Nov 2018 we will be engaging with the community of Naburn on the outcome of our assessments.
<p>C2 - Acaster Malbis</p>	<p>Due to flood flow routes in the area, developing a formal flood defence scheme would be extremely difficult. We envisage offering property floodresilience options for affected properties.</p>	<ul style="list-style-type: none"> • Engagement with the local community on proposals in the spring 2019.

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B9 - Fulford	We are working closely with CYC to develop an effective solution to the issues in Fulford. Ground investigations have commenced to inform the viability of works.	<ul style="list-style-type: none"> Engagement with the local community on proposals in the spring 2019.
C1 - Bishopthorpe	Records from recent flood events and our modelling shows the risk from flooding is greatest along a stretch of Bishopthorpe Road and Main Street/Chantry Lane. We have identified potential flood defence options for this area and are currently undertaking a detailed assessment.	<ul style="list-style-type: none"> Oct 2018 detailed assessment of options completed Engagement with the local community on proposals in the Nov/Dec 2018.
F4 - Tang Hall Beck	From our modelling and experience from recent floods we have undertaken initial assessments of the risk of flooding to properties in the area and have identified an initial number of options (flood embankments and walls) which will be assessed further and then consulted on with members of the public.	<ul style="list-style-type: none"> Nov 2018 detailed assessment of options completed Engagement with the local community on proposals in the early 2019.
F5 - Osbaldwick Beck	From our modelling and experience from recent floods we have undertaken initial assessments of the risk of flooding to properties in the area and have identified an initial number of options (flood embankments and walls) which will be assessed further and then consulted on with members of the public.	<ul style="list-style-type: none"> Nov 2018 detailed assessment of options completed Engagement with the local community on proposals in the early 2019.
F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road	Following the upgrade to the Foss Barrier we are investigating additional flood defence options for this area. This includes investigating the opportunity to develop a flood storage upstream of the city to reduce flood flows. If the flood storage option was taken forward it has the potential to reduce the risk of flooding to properties in cells F8/10/11. A storage option may also reduce the requirement for additional walls and embankments in these cells. Ongoing discussions have been taking place with the landowners in the location of the proposed flood storage area and we have commenced ground investigations at the location.	<ul style="list-style-type: none"> Continuing discussions with landowners in the location of the proposed flood storage area From September we will commence public engagement on flood defence options, including the flood storage option. Planned engagement includes; the communities along the River Foss, including Strensall village, interest groups, ward councillors and Strensall PC.
F12 - Westfield Beck	Our records show there is a risk of flooding to properties in this area. We will be investigating this risk in more detail and looking at potential flood defence options to mitigate the impact of the risk flooding. We will be engaging with	<ul style="list-style-type: none"> Engagement with the local community on proposals in the early 2019.

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	local residents before any proposals are taken forward.	
B11 - Coppins Farm to Scarborough Bridge (Left Bank)	<p>This flood cell covers a wide area with a range of different issues. There are a number of existing defences which will need to be raised in order to continue protecting homes and businesses into the future.</p> <p>Following the assessment of the flood risk and flood intervention options there have been engagement events with a number of stakeholder groups, including Almerly Terrace and St Peters School.</p> <p>We held a public engagement event on 20 June at the Hub on Wellington Row, presenting the options and proposals for the area. The proposals have been on display at the Hub from this date for members of the public to view and comment on. We also attended two CYC Ward meetings in the area to present and discuss the options.</p> <p>Detailed discussions have been had with St Peters school on the embankment alignment and location around their boat house.</p> <p>Our web page for this location is now live: https://consult.environment-agency.gov.uk/yorkshire/yorkfascoppinsfarmtoscarboroughbridge/</p>	<ul style="list-style-type: none"> • Jul – Nov 2018 detailed design activities will be taking place • As part of the process of detailed design there will be ongoing engagement with the residents of Almerly Terrace and St Peters School on the design proposals and the alignment of the embankment.
B12 - Scarborough Bridge to Lendal Bridge (Left Bank)	<p>A significant area of this flood cell falls within the historic city centre and therefore any scheme needs to have the support of heritage bodies. We are keen to ensure this support before shortlisting options.</p> <p>Discussions have been held with Museum Gardens Trust and English Heritage regarding options for flood defences in Museum Gardens. We are awaiting to hear back from English Heritage on the options.</p>	<ul style="list-style-type: none"> • Once we have received and considered the response from English Heritage we then plan to start engagement with the wider community in Sept/Oct 2018.
B15 - King's Staith to Skeldergate Bridge	<p>As was highlighted in the publication of the 5 Year Plan, providing protection at King's Staith to the same level as elsewhere in the city would not be acceptable. We are assessing the optimum size of any defence in this location to provide additional protection without negatively impacting the riverside amenity and neighbouring businesses. Due to government spending rules around cost benefit, this scheme may require additional funding support.</p>	<ul style="list-style-type: none"> • Investigation into potential underground flow routes linking to historic water defences is ongoing • Through ongoing engagement seeking alignment on assumptions with Castle Gateway project • Further information should be available in Aug/Sep

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	Ground investigations have been carried out to inform the viability of works.	2018.
B7 - Queen's Staith and Skeldergate	<p>There is potential to reduce flooding by installing floodwalls/gates between existing buildings on Skeldergate. This is dependent upon structural integrity and ground conditions which are currently under assessment. Until the outcome of this we cannot provide more detailed options.</p> <p>Ground investigations have been carried out to inform the viability of works.</p>	<ul style="list-style-type: none"> • We are currently investigating underground seepage issues and the feasibility of locations for new defences between existing buildings • Timescales for the production of proposals for the area are dependent on the outcome of this investigation but it's likely to be in Dec 2018/Jan 2019.
B10 - Clifton & Rawcliffe	<p>Central to this area are the upgrade to the embankment at Clifton Ings and the formalisation of pumping arrangements for Blue Beck. We have now identified the technically feasible options for these assets and have commenced engagement with key stakeholders in this sensitive area.</p> <p>Our outline business case for the area was submitted in July 2018.</p>	<ul style="list-style-type: none"> • Discussion with key stakeholders is ongoing in advance of wider public consultation on proposals in Sept/Oct 2019 • Submission of Environmental Impact Assessment and planning expected to be in Dec 2018.

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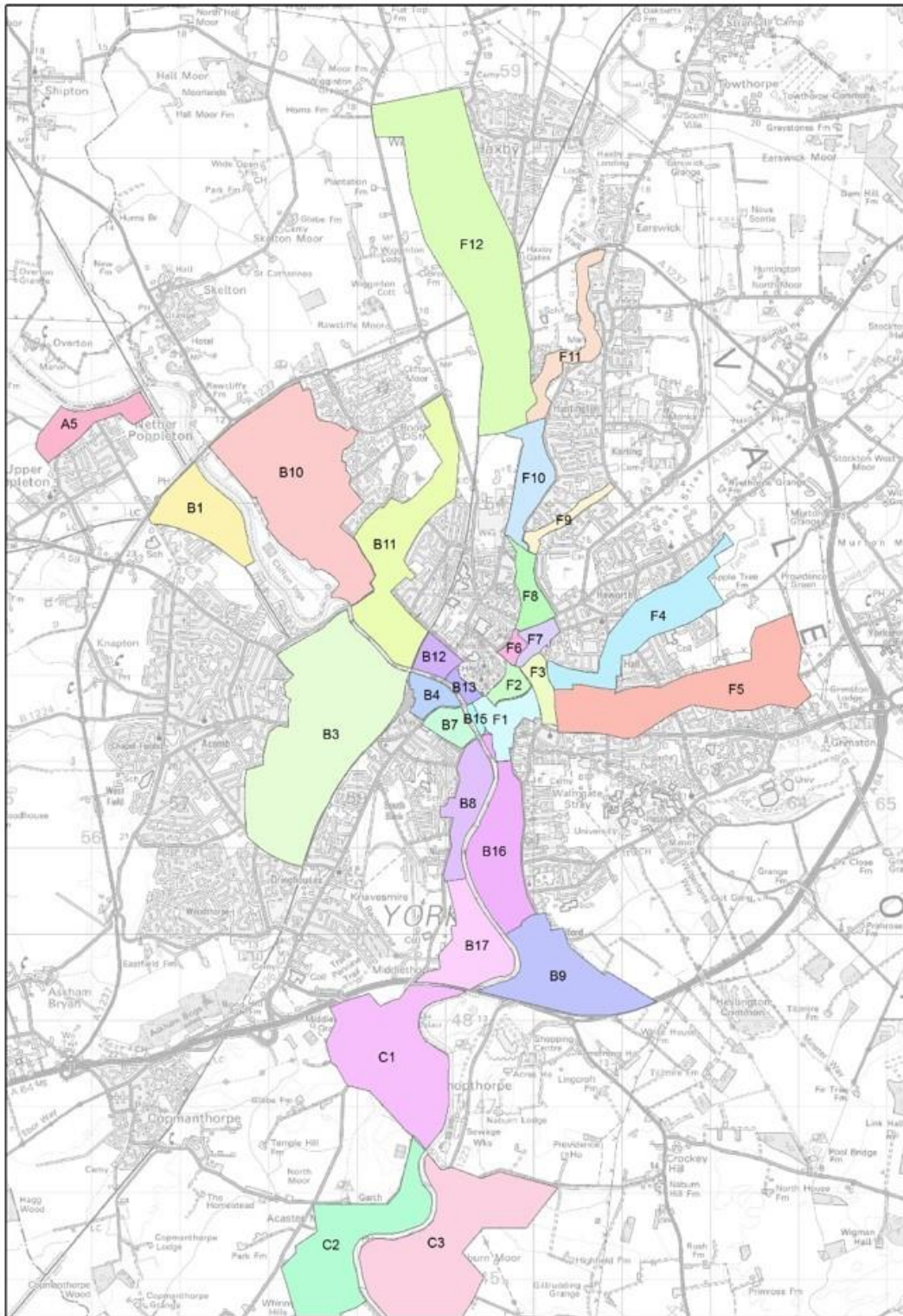


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Map of the flood cells



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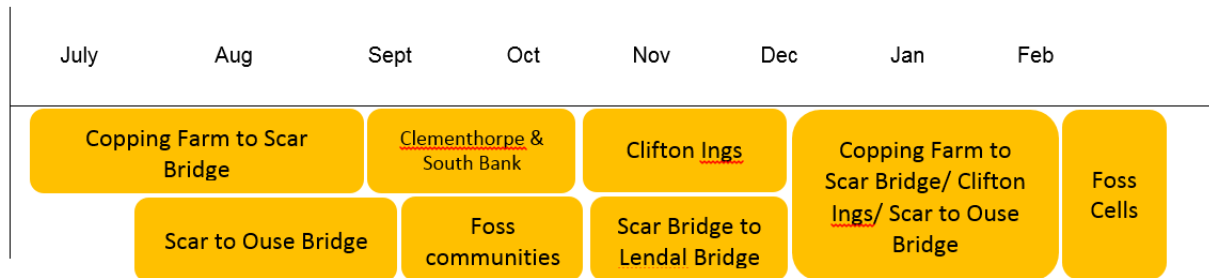


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York FAS Six Month Engagement Programme

This is a dynamic engagement plan for the York Flood Alleviation Scheme. Please note that specified dates and time periods are subject to change as the scheme progresses. Alongside cell-specific engagement activities, we will also be engaging via a quarterly newsletter (navy) and by providing information at our Community Flood Hub which is situated on Wellington Row and open 10am to 4pm Mon, Wed and Thurs (yellow).

Hub displays



Planned activities

September		
Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
	4 Sept	York FAS Advisory Group Meeting
Clementhorpe	Sept	PLR and Clementhorpe detailed design display at the Hub
	Sept	Public event showcasing detailed design for Clementhorpe including timescales for delivery
	Sept	Meeting with Micklegate Planning Panel to discuss planning application and answer any possible questions
	Sept	Property Flood Resilience surveys start in Clementhorpe this month
	29 Sept	Property Flood Resilience Roadshow for Clementhorpe residents at Rowtree Park

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Copping Farm to Scarborough Bridge	4-17 Sept 11-24 Sept	Public event for Almerly Terrace at the Hub to showcase visualisations of wall raising Speak to St Peter's/St Olave's schools to showcase visualisations for embankment extension
Foss Cells	w/c 3 Sept w/c 10 Sept 18 Sept 20 Sept 21 Sept	Speak to CYC Ward Councillors and Community Officers about ways of engaging with Foss communities Speak to Strensall Parish Council about our proposals for reducing flood risk on the Foss Public event located in Strensall area showcasing our proposals for reducing flood risk on the Foss Public event located in Foss area showcasing our proposals for reducing flood risk on the Foss Proposals on display at the Hub
October		
Feature on the Hub in published in CYC 'Our City' newspaper		
Clementhorpe	Oct	Property flood resilience surveys start in Clementhorpe
Clifton Ings	Oct Oct	Public event showcasing options for reducing flood risk on Clifton Ings Proposals on display at the Hub
Scarborough Bridge to Lendal Bridge	mid-Oct mid-Oct mid-Oct	Public event for Earlsborough Terrace residents showcasing our options for reducing flood risk for the area Public event showcasing options for reducing flood risk from Scarborough Bridge to Lendal Bridge Proposals on display at the Hub
November		
Clementhorpe	Nov Nov	Public event for residents to review Property Flood Resilience surveys with the EA and contractors Public event for residents to meet the delivery team for the Clementhorpe scheme with site compound drop-in
December		
Newsletter sent out to mailing list, available at the Hub and on Citizen Space		
Feature in CYC 'Our City' newspaper		
Scarborough Bridge to Ouse Bridge	Dec	Pre-construction engagement with local community via signage, letter dropping, @YorkFAS Facebook page, Citizen Space and invite to the Hub
Clifton Ings Copping Farm to	Dec	Submitted to planning- plans will be on display at the Hub throughout the submission period and updates provided via Citizen Space and the @YorkFAS Facebook page

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Scarborough Bridge		
January		
	Jan	York FAS Advisory Group Meeting
Clementhorpe	Jan	Property Flood Protection installation on properties within the South Bank area
February		
Foss Cells	Feb	Submitted to planning- plans will be on display at the Hub throughout the submission period and updates provided via Citizen Space and the @YorkFAS Facebook page

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