

# York Flood Alleviation Scheme

June 2018

## Update for June's Executive Decision Session

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

- Summary of city wide flood alleviation activities
- Update on progress of each flood cells
- Map of the flood cells

## Summary of city wide flood alleviation activities

### Ground Investigation Programme

Ground investigation has now been completed for the River Ouse flood cells. Work on the River Foss ground investigation will begin in July. This will be focussed on a possible flood storage area upstream of the city meaning that we are not likely to see too much activity in the city itself. We are currently talking to landowners and we will give formal notice of the works before it begins.

### Planning process

Following advice we have received we are reviewing our approach to the planning process and whether to use our permitted development rights at some locations. The advantage of this is that it will enable us to move work forward faster and with more confidence. If we use permitted development rights we will make sure that consult on these locations and that we give members of the public a chance to see and comment on the planned work as part of our engagement process.

### Engagement activity

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 hours have changes and we are now open 10:00 to 16:00 on Monday, Wednesday and Thursday each week. Our quarterly newsletter was sent out in early May. Area (flood cell) specific engagement continues as outline in the next section.

We have recently gone live with our York flood alleviation scheme web pages. These are hosted on Citizen Space, an engagement portal that will allow residents to view all engagement material and provide feedback. 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.

[Consult.environment-agency.gov.uk/Yorkshire/yorkfas](http://Consult.environment-agency.gov.uk/Yorkshire/yorkfas)

## Update on progress of each flood cells

This section provides an update on each of the areas (flood cells) being taken forward as part of York Flood Alleviation Scheme. Previous updates provided information on each flood cell and justification as to why these cells are being progress to Outline Business Case (OBC). At OBC a further review will take place as to whether to proceed to Full Business Case (FBC) and then construction on site.

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Flood Cell	Detail	Current/Next Activity
B16 - New Walk	<p>Following our public meeting in December 2017, we have published monthly newsletters and a draft engagement plan for the area. Active engagement with residents continues as we finalise options for the flood cell.</p> <p>Property level resilience surveys have been carried out on all properties at risk to support this approach if identified as the preferred option.</p> <p>A public meeting is being held on 23 May to present all options identified for the cell and the preferred approach based on technical and economic feasibility.</p>	<ul style="list-style-type: none"> <li>Public meeting 23 May 2018.</li> </ul>
B8 - Clementhorpe	<p>Following our public meeting in November 2017, we have continued to develop options for the flood cell. We have visited an existing scheme in Northwich which includes a demountable defence that could be used at Clementhorpe and are currently developing our outline business case for the area. We hope to commence on ground in September 2018.</p> <p>Ground Investigations have been commenced.</p> <p>Whilst we push forward with a delivery option for Clementhorpe, we continue to engage with residents in the Rowntree Park to St Chads Wharf section. Feedback has been varied on the original scheme. As such we will be holding a public event for this area on 22 May to present our preferred approach based on technical and economic feasibility.</p>	<ul style="list-style-type: none"> <li>Completion of ground investigations.</li> <li>Public meeting 22 May 2018 for the area between Rowntree Park and St Chads Wharf.</li> <li>Organising surveys of properties for potential property resilience measures.</li> <li>Finalisation of Clementhorpe area scheme options for submission for planning in July 2018.</li> <li>Outline Business Case to be submitted in June 2018.</li> </ul>
B4 - Scarborough to Ouse Bridge (Right Bank)	<p>Outline options for this area have been produced and are currently on show at the Hub. There has been relatively little feedback on the proposals so far.</p> <p>Following an engagement event for the public at the Hub in January there have been further discussions on the details of the proposed designs with CYC Planning and Historic England. Ground investigations</p>	<ul style="list-style-type: none"> <li>Completion of the detail design for the proposed scheme.</li> <li>Submission for planning in July 2018.</li> </ul>

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	have been carried out to inform the viability of works.	
F9 - South Beck	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. There is the potential that properties in this cell could see a reduction in flood risk if the flood storage option on Foss was built.	<ul style="list-style-type: none"> <li>• Currently assessing the feasibility of storage options on the Foss which will feed into future defence options for the area.</li> <li>• Likely to have options information for public release in July 2018.</li> </ul>
C3 - Naburn	<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"> <li>• Proposed options for public consultation in July.</li> <li>• Proposed options for public consultation in the autumn 2018.</li> </ul>
C2 - Acaster Malbis	Due to flood flow routes in the area, developing a formal flood defence scheme would be extremely difficult. We envisage offering property level resilience options for affected properties.	<ul style="list-style-type: none"> <li>• Proposed options for public consultation in the autumn 2018.</li> </ul>
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"> <li>• Proposed options for public consultation in the autumn 2018.</li> </ul>
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 will be investigating potential options in these areas and consulting with local residents. Ground investigations have been carried out to inform the viability of works.	<ul style="list-style-type: none"> <li>• Proposed options for public consultation in Aug/Sept 2018.</li> </ul>

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<p>F4 - Tang Hall Beck</p>	<p>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.</p>	<ul style="list-style-type: none"> <li>• Ground investigations and habitat surveys to be undertaken.</li> <li>• Likely to have options information for public release in Sept/Aug 2018.</li> </ul>
<p>F5 - Osbaldwick Beck</p>	<p>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.</p>	<ul style="list-style-type: none"> <li>• Ground investigations and habitat surveys to be undertaken.</li> <li>• Likely to have options information for public release in Sept/Aug 2018.</li> </ul>
<p>F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road</p>	<p>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 and potentially F9. A storage option may also reduce the requirement for additional walls and embankments in these cells.</p>	<ul style="list-style-type: none"> <li>• Currently assessing the feasibility of storage options on the Foss which will inform the future defence options for the area.</li> <li>• Ground investigations and habitat surveys to be undertaken at the potential storage site location.</li> <li>• Likely to have options information for public release in July 2018.</li> </ul>
<p>F12 - Westfield Beck</p>	<p>Our records shows 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 local residents before any proposals are taken forward.</p>	<ul style="list-style-type: none"> <li>• Likely to have options information for public release in the autumn 2018.</li> </ul>
<p>B11 - Copping Farm to Scarborough Bridge (Left Bank)</p>	<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. Ground investigations have been carried out to inform the viability of works.</p>	<ul style="list-style-type: none"> <li>• Further public engagement on options in June 2018.</li> </ul>

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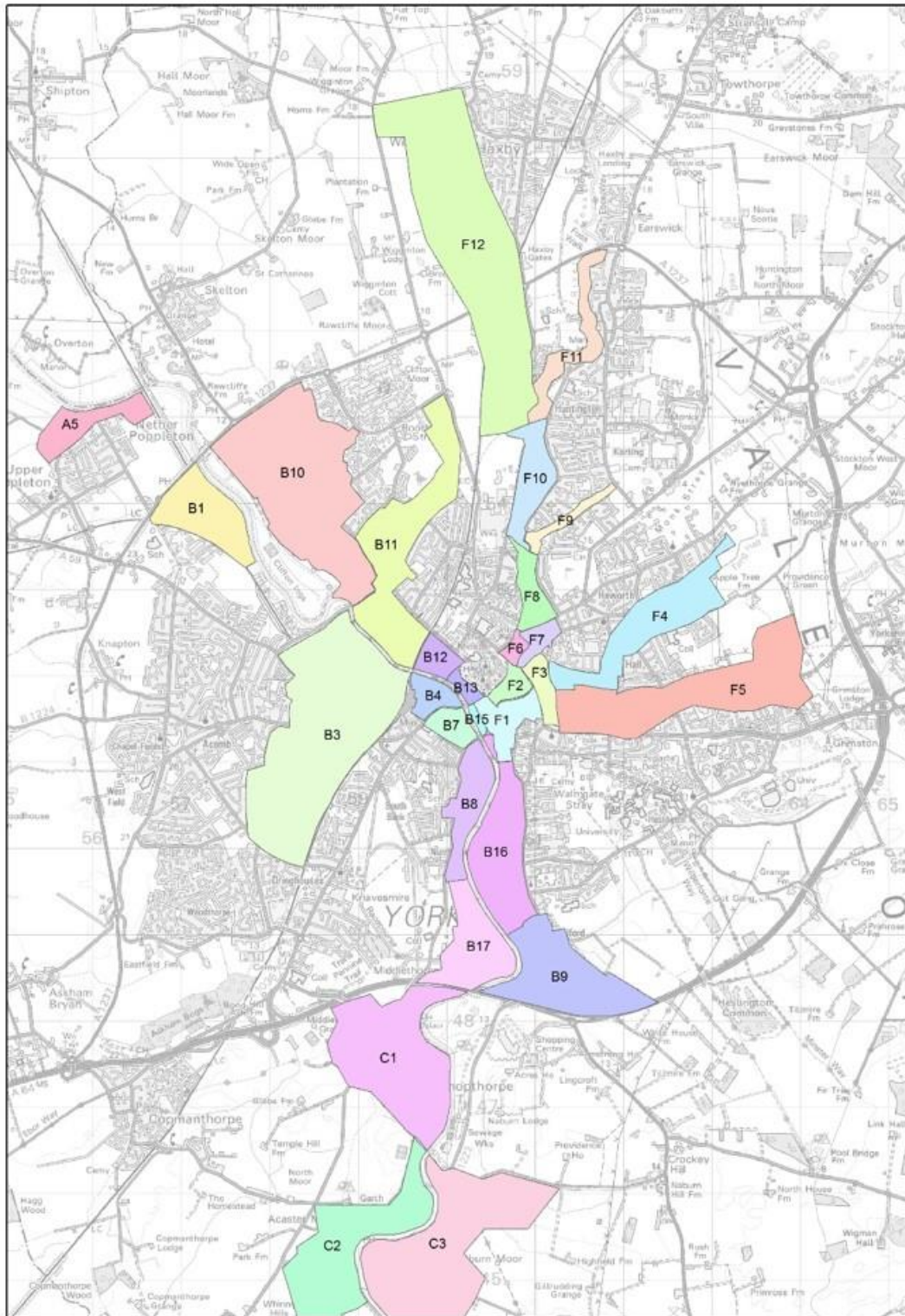
<p>B12 - Scarborough Bridge to Lendal Bridge (Left Bank)</p>	<p>A significant area of this flood cell falls within the historic city centre and therefore any scheme needs to have the support of heritage bodies. We are keen to ensure this support before shortlisting options. Ground investigations have been carried out to inform the viability of works</p>	<ul style="list-style-type: none"> <li>• Further discussions with heritage bodies and York Museums Trust ongoing.</li> <li>• Will begin public engagement on options in Aug/Sept 2018.</li> </ul>
<p>B15 - King's Staith to Skeldergate Bridge</p>	<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> <p>Ground investigations have been carried out to inform the viability of works.</p>	<ul style="list-style-type: none"> <li>• Investigation into potential underground flow routes linking to historic water defences is ongoing.</li> <li>• Through ongoing engagement seeking alignment on assumptions with Castle Gateway project.</li> <li>• Further information should be available in Aug/Sep 2018.</li> </ul>
<p>B7 - Queen's Staith and Skeldergate</p>	<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"> <li>• We are currently investigating underground seepage issues and the feasibility of locations for new defences between existing buildings.</li> <li>• Timescales for the production of proposals for the area are dependent on the outcome of this investigation but it's likely to be in Sept 2018.</li> </ul>
<p>B10 - Clifton &amp; Rawcliffe</p>	<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>	<ul style="list-style-type: none"> <li>• Discussion with key stakeholders is ongoing in advance of wider public consultation on proposals in the summer.</li> <li>• Ground investigations and habitat surveys to be undertaken.</li> <li>• Submission for planning expected to be in Dec 2018.</li> </ul>

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# Map of the flood cells



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