



FLOOD RISK MANAGEMENT KELDHOLME, KIRKBYMOORSIDE & KIRBY MILLS

The Town Council has been very proactive in trying to address concerns by local residents regarding flood risk and is responsible for engaging the Environment Agency, North Yorkshire County Council (Lead Local flood Authority), Ryedale District Council, Yorkshire Water and local land owners with the potential to participate in an NFM scheme to address the issue of flooding in Keldholme, Kirby Mills and the wider catchment.

In 2020 the Town Council commissioned JBA Consulting Ltd to undertake a [Natural Flood Management report](#) for the entire Kirkbymoorside catchment.

This report, together with the findings detailed in the [Flood Risk Mapping report](#) commissioned by the Environment Agency in 2002 was submitted to all associated agencies. Subsequently the Environment Agency has

This document details information provided by the Environment Agency (EA) cataloguing progress of the River Dove Natural Flood Management (NFM) project. It is hoped that this offers suitable assurance that, whilst the Town Council is not the Local Flood Authority, it has taken every step possible to engage with all responsible agencies to ensure that the matter of flood risk within the catchment is addressed.

River Dove NFM update

September 2023

Over the summer the project has secured an additional 10k from the North York Moors National Park's Farming in Protected Landscapes Scheme, and has engaged with the River Restoration Centre, to support the feasibility and detailed design work to investigate floodplain reconnection opportunities at two sites along the River Dove. Floodplain re-connection will restore natural processes to targeted parts of the river where currently the floodplain is not being activated regularly during high rainfall events. By activating the floodplain more regularly there is opportunity to slow the flow of floodwaters, reducing the volume within the river channel, providing a flood risk benefit downstream. Additional biodiversity benefits will also be developed alongside the plans, including floodplain meadow and wetland restoration work, to ensure the sites are delivering a multi-benefit approach. Landowner engagement in the upper catchment is underway, with three farms visited so far and several more planned over the autumn and winter. A number of NFM measures are being discussed with landowners including creating temporary flood storage areas, leaky dams, tree planting and soil aeration. It is anticipated some 'quick win' measures will be delivered over the coming winter as agreements with landowners are progressed. A pipeline of NFM measures is being collated, which will support the submission of the full business case over the winter. Approval of the full business case will unlock the budget necessary to deliver these measures in 2024/2025.

January 2023

1. Funding.
 - a. An indicative Local Levy allocation of £154k has been secured from Regional Flood and Coastal Committee.
 - b. £94k Grant in Aid funding has been bid for through the Environment Agency's capital programme.
 - c. With the addition of the Kirkbymoorside Town Council contribution (the JBA study) and Yorkshire Wildlife Trust's time, the economic case can be made and partnership funding rules are met.
2. Approvals.
 - a. The Strategic Outline Case (SOC) has been drafted and locally assured. This document makes the strategic and economic case, demonstrates sufficient benefits appraisal against the cost, assess broad options, delivery method and project funding. Yorkshire Wildlife Trust provided high levels costings based on the JBA report and we estimated benefits using the available river flow archive data and Vale of Pickering flood model which allowed us to make some calculated assumptions and avoid the need for new modelling at greater cost and time.
 - b. There has been verbal acceptance of the Strategic Outline Case (SOC) by the budget holder, we're now waiting on formal confirmation. This will allow spend of 36k for further study, engagement and design work.
3. Partnerships.
 - a. A 'collaborative agreement' is in draft with Yorkshire Wildlife Trust and we're now getting our legal team to assist in finalising.
 - b. NYCC have shared the previous WSP report and we have discussed project appraisal aspects such as benefit apportionment and project scope.
 - c. Site visits with Chris Tinkler and Paul Smith have taken place. Some options were discussed, e.g. Large Woody Debris and floodplain reconnection but further investigation is needed.
 - d. Follow up email and calls sent re monitoring to Paul Smith. Yorkshire Wildlife Trust are following up.
 - e. We have contacted Tom Holt who is broadly supportive. A planned site visit was cancelled before Xmas and we hope to re-establish one soon.
 - f. We met with the Yorkshire Peat Partnership. They have a green light to do some peatland restoration work around Bransdale this winter, Farndale was also looked at but is not funded as yet. This is one to possibly support through the project.
 - g. Yorkshire Wildlife Trust had a productive meet with George Winn-Darley and better understand land ownership in the upper catchment and introduction of JBA report.
4. Other related matters.
 - a. Marshalls. Kirkbymoorside Town Council have been contacted about a contribution of time and money towards environmental outcomes. It would be great to join this up with the NFM scheme. This would probably be best done under the direction of Yorkshire Wildlife Trust delivery.
 - b. North Yorkshire County Council have reviewed the planning app re Swineherd Lane and applied conditions to their response.

- c. Ryedale District Council have drafted a newsletter to residents with input from North Yorkshire County Council and the Environment Agency which will include mention of planned projects.
 - d. Our national economics and research team are reviewing our business case and have verbally confirmed we are following the latest national thinking around NFM appraisal.
5. To do.
- a. Consider whether connections with the Woodland Trust / White Rose Forest / Highways are needed.
 - b. Carry out further site visits and landowner engagement spring/summer 2023 including potentially looking at some of the WSP sites at the same time to avoid dual engagement.
 - c. Conduct detailed design and draft landowner agreements.
 - d. Draft a Full Business Case and seek approval.
 - e. Deliver the scheme. Programming to start next winter going into financial year 2024/25.
6. Key risk at this stage.
- a. Sufficient landowner/tenant engagement and agreement for delivery and ongoing maintenance.
 - b. Costs – inflation.

June 2022

Headline notes following a meeting with NYCC (Lead Local Flood Authority) on 17 May 2022 and pursuant to the last meeting with Kirkbymoorside Town Council, NYCC and the EA on 25 March and provision by Kirkbymoorside Town Council of information in respect of the identification of land owners:

“Thanks you for your help gathering land ownership details. You'll see from the below that Yorkshire Wildlife Trust (YWT) are willing to support the Natural Flood Mitigation (NFM) elements of a scheme and have offered to lead on the project management and landowner engagement for this. Based on their experience of NFM delivery this makes sense and probably works best.

1. Building on the JBA report into NFM opportunities in the catchment, it was agreed that some drainage improvements, property level protection and natural flood management (NFM) opportunities could be investigated further as the works most likely to be technically feasible and fundable for the Town.
2. A strong partnership approach between EA, NYCC, Kirkbymoorside Town Council and landowners is however required to achieve this.
3. NYCC met with Yorkshire Water and raised the sewer discharge issue and mentioned this latest scheme discussion.
4. The EA has had preliminary contact with Yorkshire Wildlife Trust (YWT) as a potential delivery partner for the NFM element. They are willing in principle to be involved and have provided some high level cost and time estimates.

5. We have used these estimates to increase the bid for grant in aid (GiA) funding and the EA and NYCC are in the process of drafting a Local Levy bid to seek additional funding from the Regional Flood and Coastal Committee.
6. If these avenues of funding are secured this year, we could ask YWT to begin engaging landowners and working on developing the scope of NFM interventions.
7. Kirkbymoorside Town Council can help with details and contacting landowners in the catchment.
8. The EA and NYCC can then work on a joint business case. It is estimated to take around 2 years to get to this point allowing for the project development work and project assurance that is required to claim the funding.
9. It's suggested that proposals at Ravenswick Hall Estate for re-naturalising the site are discussed with Vicky Murray and the Yorkshire Derwent Catchment Partnership to link with wider strategies, knowledge and possibly funding.
10. The EA has raised this proposed scheme with an internal NFM practitioners group to draw on learning from other NFM schemes.