

RAMELTON
FLOOD RELIEF SCHEME



**Comhairle Contae
Dhún na nGall**
Donegal County Council



Tionscatal Éireann
Project Ireland
2040

OPW Oifig na
nOibreacha Poiblí
Office of Public Works

Ramelton Flood Relief Scheme



Newsletter March 2022

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Latest Overview

This is the third newsletter for the Ramelton Flood Relief Scheme. The main activities carried out since the previous newsletter in December 2021 include –survey works, environmental activities, hydraulic modelling, and hydrological assessment.

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Survey Works & Site Investigations

The condition survey of the existing culverts in the town has been completed. The survey data is currently being reviewed before input to the hydraulic model.

LiDAR survey is used to capture large areas of topography from the sky and is key for developing an accurate hydraulic model. The LiDAR survey was completed in March 2022. The survey data is currently being processed by the Contractor and is expected to be issued in April.

Tender documents for site investigation works at the quay wall along the River Leannan in Ramelton are being finalised. This investigation will provide us with technical information on the condition and make-up of the quay wall and will inform overall Scheme development.

Drone survey was also flown in select locations to provide supplementary topographical data for Ramelton.



An image of the quay wall at Ramelton which will undergo further investigation work to determine its condition.

Environmental Activities

Environmental Constraints

The updated environmental constraints report for Ramelton was issued to Donegal County Council in February 2022 following feedback from the steering group. The purpose of this report is to identify the key environmental issues associated with the development of a scheme within the Ramelton catchment. The final report will be available on the project website soon.

Invasive Species Management & Treatment

Based on our invasive species surveys, an Invasive Species Management Plan (ISMP) was finalised in February 2022 following feedback from Donegal County Council. We are now in the process of procuring a contractor to undertake treatment in accordance with our ISMP. The treatment of invasive species has been prioritised to minimise risk to the progression of the scheme.

AA Screening of Site Investigation Works at Ramelton Quay Wall

The project team are proceeding with Stage 1 screening for Appropriate Assessment and where necessary Stage 2 Appropriate Assessment for the upcoming Site Investigation works along the Ramelton Quay wall. This statutory process will ensure that all necessary ecological mitigations to prevent impact to the Leannan River Special Area of Conservation are met during and after any works taking place.

Specialist Surveys

The project team, in coordination with Donegal County Council have progressed with the procurement of third-party environmental specialists. The surveys relate the following specialist areas;

- Air quality
- Aquatic Ecology
- Landscape and Visual
- Wintering Birds
- Noise & Vibration
- Archaeology and Cultural Heritage



Japanese Knotweed is present in Ramelton



Hydrological Analysis & Hydraulic Modelling

The draft hydrology report for Ramelton will be issued to the project Steering Group for review in early April 2022. This includes a detailed review of the gauging station at Claragh and Aghawoney.

The development of the hydraulic model is ongoing. The topographical data has been inputted into the model with the 1d model build nearing completion. The culvert conditions survey data is currently undergoing review before input to the model.

The project team are procuring the temporary installation of Tidal Gauges in Lough Swilly to provide water level data to support the Coastal Flood Risk Assessment for Ramelton. The tidal gauge data will be gathered and assessed for a minimum of 5 months.

LiDAR survey data has now been completed. This data will allow the project team to finalise the 2D hydraulic model build.



What's Next?

Over the next few months, the Project Team will be working on:

- ➔ Completion of the draft hydrology report
- ➔ Site Investigation of the quay wall and condition assessment
- ➔ Specialist environmental survey contract award.
- ➔ Environmental activities - AA Screening for SI Works at Ramelton Quay Wall
- ➔ Continuation of Hydraulic Modelling including 2D LiDAR survey data.
- ➔ Implementation of our Invasive Species Management Plan for 2022
- ➔ Tidal water level data collection for coastal flood risk assessment



Contact Us

If you would like to contact our Project Team about any matter relating to the Ramelton Flood Relief Scheme you can do so through the following:

Email

RameltonFRS@ByrneLooby.com

Post

Project Manager Ramelton FRS
ByrneLooby
Building 2100
Cork Airport Business Park
Kinsale Road
Cork

Phone

+353 (0) 21 240 7988

If you would like any further information on the Scheme including programme, please visit our website:

www.floodinfo.ie/frs/en/ramelton/home/