

BUNCRANA
FLOOD RELIEF SCHEME



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



Tionscadal Éireann
Project Ireland
2040

OPW Oifig na
nOibreacha Poiblí
Office of Public Works

Buncrana-Luddan Flood Relief Scheme



Newsletter June 2023

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Latest Overview

This is the seventh newsletter for the Buncrana-Luddan Flood Relief Scheme. The main activities carried out since the previous newsletter include environmental activities, completion of the tidal survey, technical hydraulics workshop, and hydraulic modelling.

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Survey Works (Coastal - Hydrometric Survey)

The final set of survey data was received in March 2023. A Technical Note on the output and conclusions from the survey has been prepared. These conclusions have since been incorporated in the hydraulic model for Buncrana FRS in assigning sea levels during extreme flood events so that flood risk can be determined.



Location of the Lough Swilly Gauges

Environmental Activities

Specialist Surveys

The specialist baseline environmental surveys for the Buncrana Flood Relief Scheme have been completed:

- The Wintering Birds Survey Report was issued in May 2023.
- The Bat Surveys Activity Report was issued to Donegal County Council in March 2023.

Other specialist surveys will follow in due course when flood defence measures are better defined.

Natural Water Retention Measures (NWRM)

The project team are continuing to work on the assessment of the potential for NWRM in the Buncrana river catchments to alleviate flood risk. Mapping of the catchments has been completed. The feasibility report is currently being prepared.

Hydromorphology

Hydromorphology looks at how natural and human activity influences the hydrology and geomorphology of water bodies and the ecosystems that they support. The hydromorphology baseline survey for the Buncrana FRS will get underway over the summer.

Hydrological Analysis & Hydraulic Modelling

The Technical Hydraulic Workshop was held on the 14th of April 2023. The modelling team presented preliminary baseline flood extents, calibration extents which included some sensitivity analysis. The development of the hydraulic model is ongoing with the focus on addressing feedback from the technical workshop.

The team are continuing to work on the draft hydrology report for Buncrana-Luddan to address the latest modelling results and output from the Technical Hydraulics Workshop. The project team will complete the updated hydrology report once the hydraulic modelling has been progressed further.



*Crana River looking upstream towards
Cockhill Bridge located near Swan Park*

What's Next?

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

- ➔ Continuation of Environmental Specialists Surveys for the next survey period.
- ➔ Completion of Hydraulic Modelling including baseline scenarios and sensitivity testing.
- ➔ Updating Hydrology Report
- ➔ Continuation of assessment of potential for Natural Water Retention Measures (NWRM)
- ➔ Continue drafting the Environmental Impact Assessment Screening and Scoping Reports once scheme parameters and emerging options are finalised.
- ➔ Hydromorphology Survey
- ➔ Stakeholder Engagement



Contact Us

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

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

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