

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 Flood Relief Scheme



Newsletter December 2021

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Latest Overview

The Buncrana Flood Relief Scheme has progressed steadily since the previous newsletter that was issued in September. The main activities which were carried out for the scheme include – data collection, engineering and environmental survey works, site investigations, opening public consultation event, hydraulic modelling, and hydrological assessment.

Survey Works

A brief overview of the survey works to date.

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Hydrology & Hydraulics

Outline of the hydrology assessment for Buncrana

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Stakeholder Consultation

Outlines the completed Public Consultation Event No.1

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Survey Works & Site Investigations

Murphy Geospatial Ltd. were tasked with carrying out topographical surveys for Buncrana and Luddan. All topographical survey works have now been completed for the catchment area.

The environmental site walkovers and surveys were completed in October. The findings from these surveys along with the desktop studies will be compiled into an environmental constraints report which will help define an environmentally acceptable scheme.



Rock Armour Protection, Buncrana Beach October 2021

Surveys of invasive alien species were carried out and the results incorporated into an Invasive Alien Species Management Plan. This plan will lead to the appointment of a contractor to treat these species in the appropriate manner where they interface with the Flood Relief Scheme in 2022.

An initial survey of the existing flood defences (block retaining wall of Swilly Road and rock armour sea protection along Buncrana beach) in Buncrana was completed by ByrneLooby in November. The flood defences will require further assessment, and this will be progressed over the coming months.

The LiDAR survey is used to capture large areas of topography from the sky and is key for developing an accurate hydraulic model. The survey has yet to commence due to unsuitable weather conditions. We are progressing with the model build based on existing data in the meantime.

Condition surveys of the existing culverts in the town are underway and this survey will be completed in December.



Topographical Survey works, Buncrana October 2021



Topographical Survey at Cockhill Bridge, Buncrana October 2021

Hydrological Analysis & Hydraulic Modelling

The hydrology workshop for Buncrana was held in October 2021. The updated hydrology method statement incorporated comments from the workshop by the Steering Group.

The hydrological analysis is progressing, and the draft hydrology report is due to be completed in January.

The development of the hydraulic modelling using the topographical survey data has commenced.



Damage bridge at Swan park, Buncrana August 2017

Public Engagement Event

The opening public consultation event was held from Monday 27th September to Friday 22nd October. The event was advertised online through the scheme's website, local newspapers, and local radio. A total of 550 information packs including brief information leaflets, a questionnaire and pre-paid envelopes for responses were delivered to properties within the 0.1% AEP flood extent boundary in Buncrana by Donegal County Council and ByrneLooby.

A total of 37 questionnaire responses were received for the scheme. This information will help to inform the Constraints Report and will be considered in the development of potential options for the scheme.

Collaborative Workshop

A collaborative workshop was held on 8th December with a number of Departments in Donegal County Council and Regional/National bodies to inform everyone about the aims and objectives of the scheme and to coordinate activities and parallel projects between the different organisations.

What's Next?

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

- ➔ Data collection including detailed assessment of existing flood defences (sea wall and rock armour)
- ➔ Completion of Culvert and LiDAR surveys.
- ➔ Completion of Environmental Constraints Study
- ➔ Environmental Assessments –specialist inputs
- ➔ Completion of draft Hydrology Report
- ➔ Continuation of Hydraulic Modelling



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/