

CAVAN TOWN FLOOD RELIEF SCHEME



OPW

Oifig na nOibreacha Poiblí
Office of Public Works



Rialtas
na hÉireann
Government
of Ireland

Tionscadal Éireann
Project Ireland
2040

ayesa

Cavan Town Flood Relief Scheme



Newsletter 05 November 2023

IN THIS ISSUE

This Newsletter covers the preceding three months from November 2023. Previous Newsletters are accessible on the Project Website.

Surveys and Hydrology

Outlines Progress.

Page 2

Environmental Work and Stakeholder Engagement

Outlines the environmental surveys in progress and upcoming events.

Page 3

Additional Information

Outlines flood events and rebranding.

Page 4

What's Next?

Outlines future works that will be carried out.

Page 5

Surveys

Technical surveys such as channel, riverbank, threshold, topographical and flood wrack marks have been completed. A Final Survey Report was received in October 2023. This is a written record of all essential survey information and results. The Survey information will initially be used in the model build for the hydraulic modelling. Other info will be used in the flood damages calculations and detail design.

All Culvert CCTV and report data was submitted by the Surveyor.

The team is progressing with a Scope of Works for Preliminary Ground Investigations within the Scheme Area. This work will mainly consist of a series of exploratory boreholes and trail pits to be drilled/dug at certain areas in the Scheme Area where flood defences are anticipated. The objective of these investigations is to provide confirmation of ground conditions and geotechnical parameters for use in the ongoing project development, review of existing flood defences and the design of new flood defences. A contract for this works is intended to be concluded in early 2024.

Hydrology

A Draft Hydrology Report is currently in final stages of preparation before submission to the Client for review. The report details:

- Overview of flood history in the Scheme Area.
- Review the meteorological and hydrometric data.
- Review of Physical Catchment Descriptors (land cover, land use, soils data, meteorological characteristics)
- Review Flooding from Pluvial and Groundwater Sources.
- Design Flows estimation and analysis and hydrographs (flow over time) for the scheme.

Following assessment on river flows and their hydrological regimes, Ayesa are currently exploring the feasibility of incorporating additional Hydrometric Gauges within the scheme area with Cavan County Council and the OPW.

Arcadis has commenced work on hydraulic modelling elements of the scheme. Any relevant data as well as data generated from the recently completed technical surveys have been provided to Arcadis to inform and assist them with this work.



Hydrometric Gauge at Breffni Park

Environmental Work

Envirico who are appointed for the survey and treatment of invasive alien plant species (IAS) have completed a second round of treatment in October 2023. The associated IAS Management Plan will be updated. The October 2023 Treatment was the second round in a cycle of six treatments over three years.

Bat, Otter and Tree surveys have been completed.

Air Quality and Climate and Noise and Vibration Surveys Tenders are prepared and will go to the market early 2024 closer to the Option Review Stage to avoid survey repeats.

Tobin Consulting Engineers, conducting the Aquatic Survey, have completed work for Water Quality sampling, Q-values and Invertebrate sampling, Fish Habitat surveys and Aquatic Invasive Species surveys. Electrofishing (survey method used to sample fish populations to determine abundance, density and species) is planned for July 2024. An AA Screening Report will accompany the electrofishing application.

Stakeholder Engagement

A Collaborative Workshop is planned for quarter 1 of 2024. A small number of public stakeholder bodies will be engaged to collaborate, do brainstorming, and exchange ideas on how to achieve the project objective while also incorporating other outcomes at the same time into this project.



Possible Bat Roost potential



Possible Bat Roost potential

Flood Events

In August 2023 a duration of heavy showers resulted in flooding within the scheme area at The Maples, Drumgola Woods, Ballyhaise Road and the N3.

Technical flood report forms that are required to report flooding to OPW have been completed and are under review.

The October 2022 flood report is available on the scheme website under the News heading and technical reports have been submitted to OPW.



Ballyhaise Road Flooding August 2023



Kiernan's Service Station Flooding August 2023

Rebranding



ByrneLooby has rebranded to Ayesa on the 19th of October 2023. The name 'ByrneLooby' will be replaced with 'Ayesa' on any new documentation or associated material produced after this date.

The ByrneLooby team's member and scheme emails have been updated to Ayesa addresses. All social media has also rebranded to Ayesa marketing.

Please refer to the *Contact Us* details or scheme website for our new contact information.

What's Next?

Most of the current project activities will continue over the next few months, including, but not only:

- ➔ Completion of the Hydrology Report.
- ➔ Specialist Environmental Surveys.
- ➔ Progress Hydraulic Modelling Analysis.
- ➔ Collaborative Workshop.
- ➔ Ground Investigation Scope and Tender.

CAVAN TOWN FLOOD RELIEF SCHEME



Contact Us

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

Email

CavanTownFRS@Ayesa.com

Post

Project Manager Cavan Town FRS
Ayesa
Building 2100
Cork Airport Business Park
Kinsale Road
Cork, T12 KV8R

Phone

+353 (0) 21 240 7988

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

<https://www.floodinfo.ie/frs/en/cavan-town/home/>