

CAVAN TOWN FLOOD RELIEF SCHEME



Comhairle Contae an Chabháin
Cavan County Council



OPW

Óifig na nOibreacha Poiblí
Office of Public Works



Rialtas
na hÉireann
Government
of Ireland

Tionscadal Éireann
Project Ireland
2040

BYRNE LOOBY
AN AYESA COMPANY

Cavan Town Flood Relief Scheme



Newsletter 01

June - October 2022

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Project Purpose

The purpose of the Cavan Town Flood Relief Scheme is to alleviate the risk of flooding to the community of Cavan Town by providing a scheme that is technically, socially, environmentally, and economically acceptable.

Project Updates

A brief overview of the background to the project, scheme area, environmental works, and programme

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Overview of a flood event that occurred in Cavan Town in October 2022

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Project Introduction

The OPW has recommended the development of a Flood Relief Scheme for Cavan Town as a result of the work completed in the North-western-Neagh Bann Catchment Flood Risk Assessment and Management (CFRAM) Study. The objective of the Cavan Town Flood Relief Scheme (FRS) is the identification, design, and submission (for planning consent/confirmation) of a Flood Relief Scheme, that is technically, socially, environmentally, and economically acceptable, to alleviate the risk to a determined standard of protection.

Cavan County Council as the Lead Authority, in partnership with The Office of Public Works (OPW) are now advancing with Cavan Town Flood Relief Scheme.

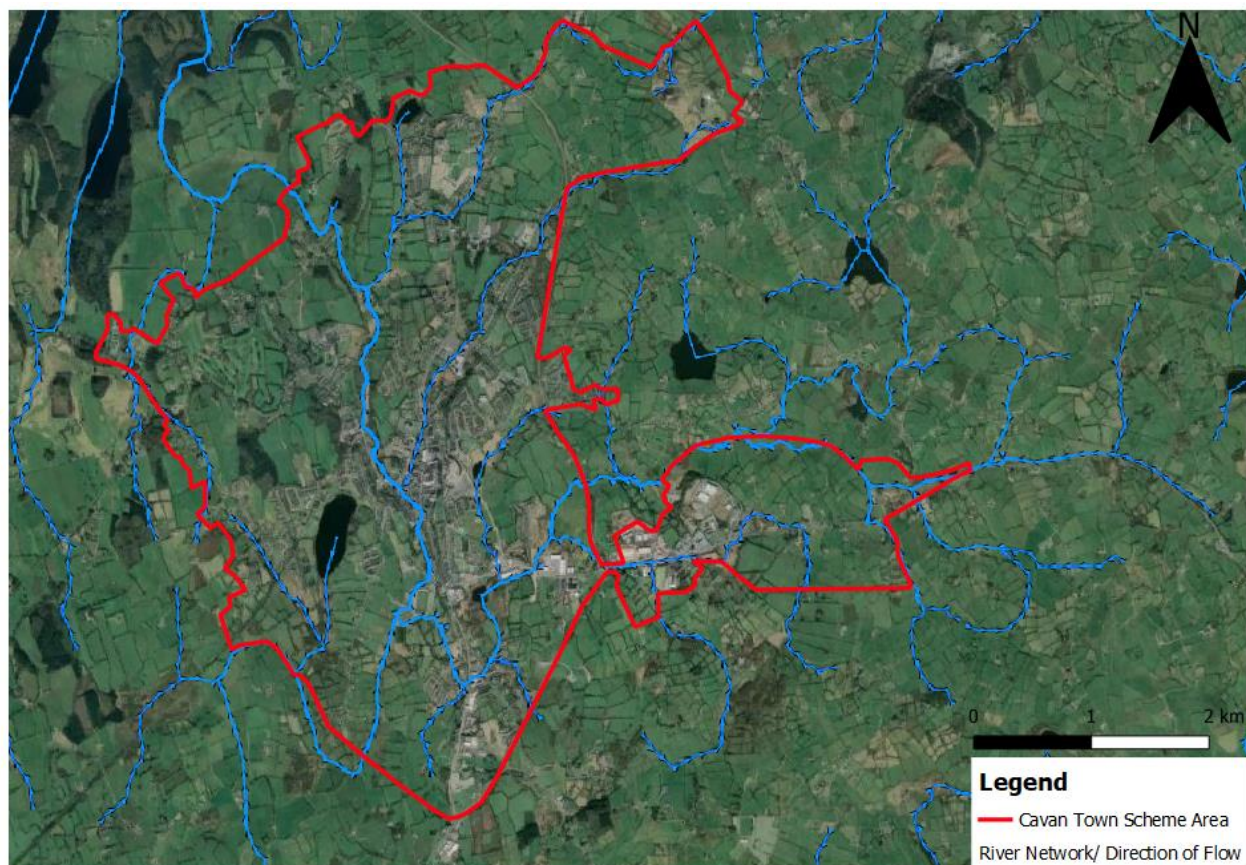
This Flood Relief Scheme is part of the €1.3bn Government investment programme being delivered under Project Ireland 2040. Cavan County Council commissioned ByrneLooby in May 2022, to develop and implement a Flood Relief Scheme for Cavan Town.

The first public consultation event for the project was held on the 13th of September 2022. The objective of the event was to gather information from the public about their experiences of flooding in the Scheme Area along with their thoughts on possible solutions to the flooding problem and their preferences in this regard.

The design standard of protection for the scheme is the 1% AEP fluvial event (1 in 100 year). The design will consider and allow for the impacts of climate change which may be realised over time.



Flood at McDonalds on N3, October 2022



Cavan Town Scheme Area

Scheme Area

The study area for the Flood Relief Scheme is the town of Cavan, situated in County Cavan, approximately 100 km north-west of Dublin and on the N3 National Road.

The main streams running through the scheme area are the Green Lough, Annagelliff and Aghnaskerry, feeding into the Cavan River. Various small tributaries connect to these main streams.

The development of a viable scheme will require detailed environmental assessments including baseline surveys.

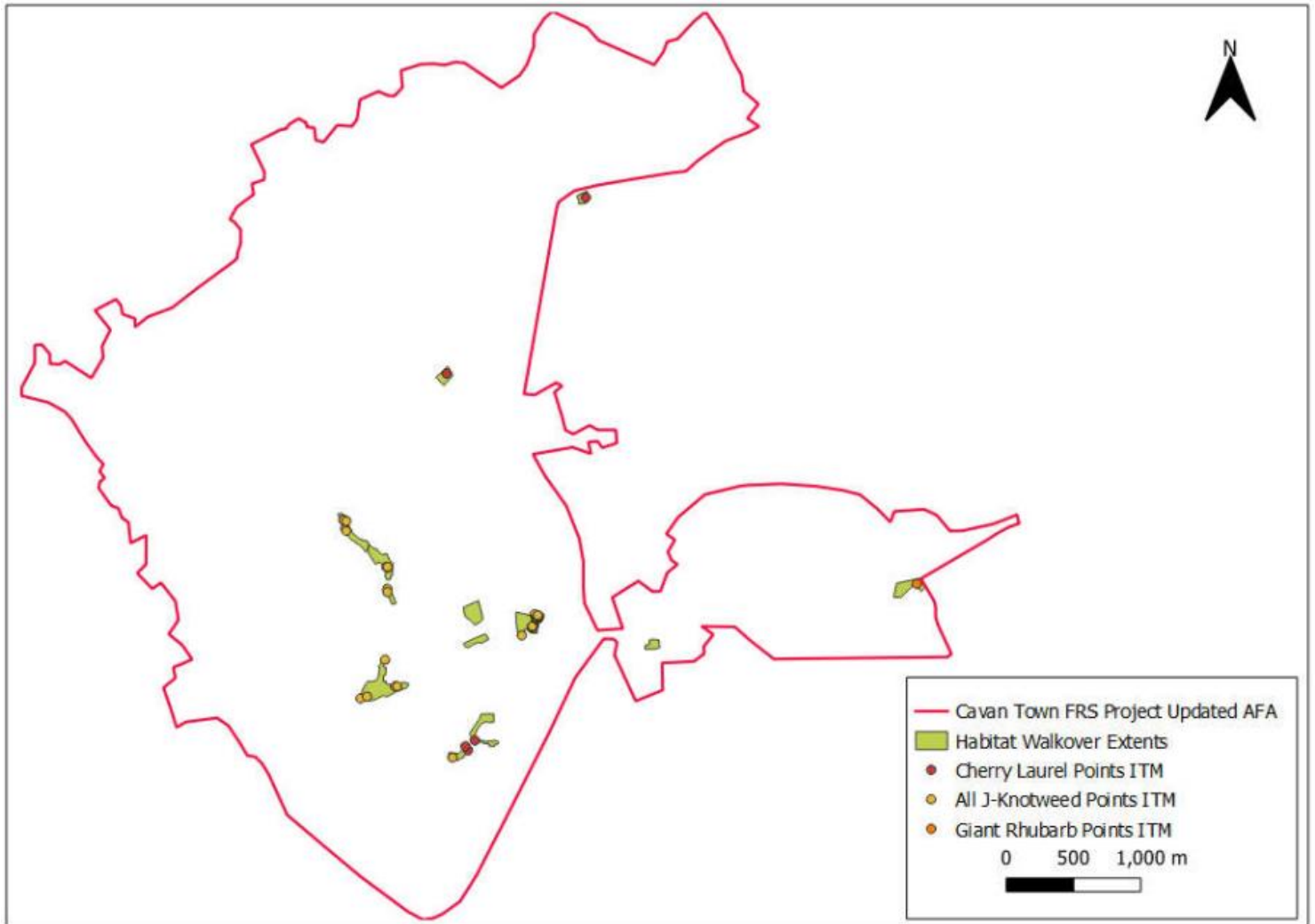
Environmental Work

An Invasive Alien Species (IAS) Survey was carried out during August 2022. The IAS survey recorded Japanese Knotweed as well as other alien invasives with lesser footprints within several locations of the scheme area. ByrneLooby also conducted a habitat and species walkover for the study area. Plant and bird species activity/habitats were recorded.

A list of further surveys to be completed in 2023 include:

- Terrestrial and aquatic ecology surveys.
- Archaeological and cultural heritage.
- Landscape and visual.
- Water quality.
- Bat and Tree surveys.
- Noise and vibration.

These surveys will feed into a Constraints Report to help define an acceptable scheme.



*Cavan Town Flood Relief Scheme - Study Area
(including habitat walkover extents)*

Programme

The entire scheme will be implemented in five stages. Stage 1 is currently ongoing; this period of work began in early June 2022 after ByrneLooby commenced the project. The figure below shows the initial programme for the five stages of the scheme.

The five stages of the scheme are described briefly below.

- Stage 1 – Data collection and preliminary design
- Stage 2 – Planning delivery and public exhibition
- Stage 3 – Detailed design and tender
- Stage 4 – Construction
- Stage 5 – Handover of work

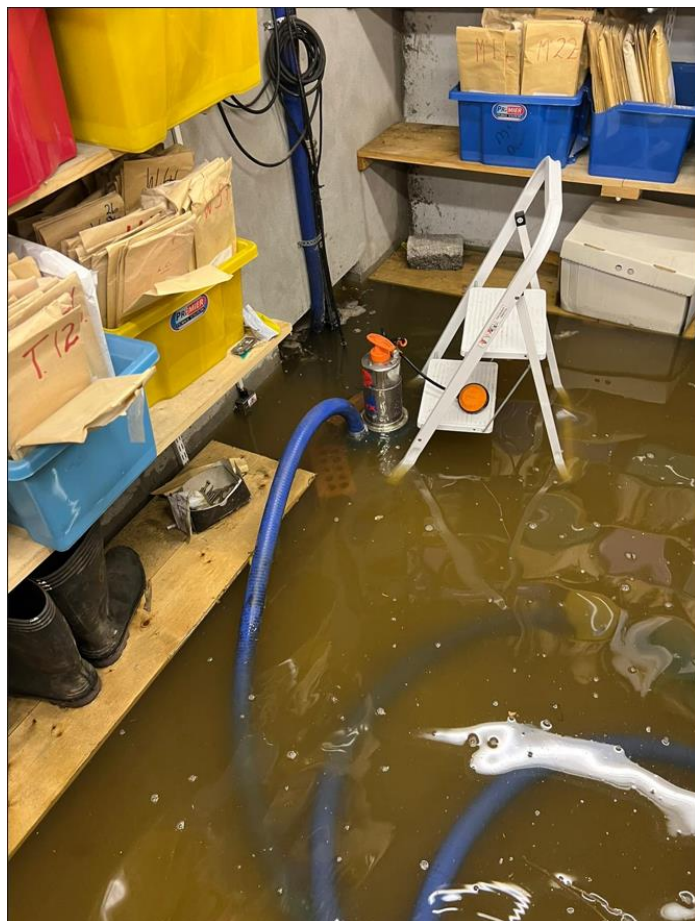
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Stage 1	Scheme Development and Preliminary Design	█	█	█	█							
Stage 2	Planning / Statutory Delivery Route				█	█						
Stage 3	Detailed Design, Confirmation and Tender				█	█	█					
Stage 4	Construction Supervision					█	█	█	█			
Stage 5	Handover of Works								█	█	█	█

Public Consultation Day

ByrneLooby held a Public Consultation Day on the 13th of September 2022 at the Kilmore Hotel in Cavan Town. The purpose of the event was to engage with the local community, stakeholders, landowners, and statutory stakeholders about the project, processes, and direction.

All event material has been posted on the Cavan Town Flood Relief Scheme Website.

It is intended that ByrneLooby will hold another Public Consultation Event in 2024 to present potential flood measures. ByrneLooby encourage attendance at these events to gather public feedback which is essential for the scheme development to include a relief option to accommodate the public's needs and interests.



October Flood 2022

Cavan Town endured extensive rainfall on the 28th of October 2022 which led to severe flooding being recorded in six locations within the study area. The event followed an orange status weather warning issued by Met Eireann.

Basements of properties on Farnham Street and six homes in The Maples housing estate experienced significant flooding. Killygarry Chapel, Kiernan's Service station, Butler's Bridge Road and Cathedral Road became immersed in flood water leaving access restricted and dangerous for road users and pedestrians.

ByrneLooby representatives inspected the affected areas after the storm event on the 28th of October. Drone footage of the flood extent was captured which will be used in the hydraulics assessment for the scheme.

What's Next?

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

- Carrying out environmental and hydrometric river surveys
- CCTV, Drainage & Topographical Surveys
- Hydrological analysis of river and rainfall data and past flood events to establish design flows for the 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:

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

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