



# Cavan Town Flood Relief Scheme



## Newsletter 10 June 2025

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This issue of the Cavan Town Flood Relief Scheme Newsletter describes the progress which has been made in the development of the scheme covers the preceding months from the beginning of March 2025 to the end of June 2025. Previous Newsletters are accessible on the Project Website.

#### Surveys, Hydrology, Hydraulic Modelling

A summary of the various items of work which have been progressed recently as part of the flood relief scheme.

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#### Environmental Work

A summary of the progress which has been made during the last reporting period in relation to environmental work

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#### What's Next?

Outlines future works that will be carried out.

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# Surveys

## Site Investigations

IGSL Ltd., A specialist ground investigations contractor has been awarded the Ground Investigation Contract for the Cavan Town Flood Relief Scheme. Preliminary work is underway currently and on-site works are anticipated to commence early August 2025.

The on-site ground investigations contract consists of 20 boreholes and 1 slit trench. The results of the ground investigations work will inform the options selection for the Scheme and the preliminary design of proposed flood defence components.

All private landowners who will be impacted by the ground investigation works will be notified in advance so that the location and timing of the works can be agreed in advance to minimise the impact on the landowners by the proposed works.

# Hydrology & Hydraulic Modelling

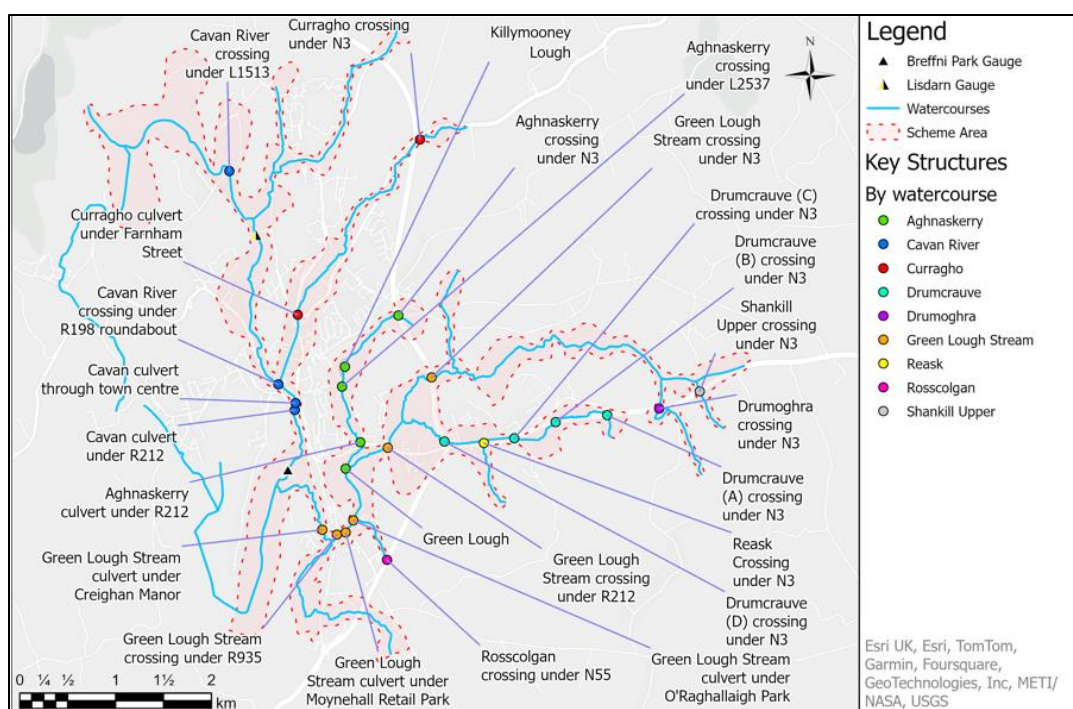
## Hydrology

The flood relief scheme draft Hydrology Report was prepared in August 2024. The report was revised in March 2025. In recent months, the draft report has been reviewed and is in the process of being revised with a view to being finalised.

## Hydraulic Modelling

A hydraulics workshop was held on the 17<sup>th</sup> of May 2025. Cavan County Council, The OPW, Arcadis and Ayesa were present at the workshop. The purpose of this workshop was to discuss the methodologies applied in developing the flood relief scheme hydraulic model.

The image below shows the various structures (bridges, culverts etc) which have been identified around Cavan Town which have been accounted for in the hydraulic model.



Key Structures Included In The Hydraulic Model

# Environmental Work

## Invasive Alien Species Treatment

The flood relief scheme's appointed invasive alien species (IAS) treatment specialist has commenced their annual survey and treatment programme in Cavan Town for 2025. The IAS survey works were completed in June.

IAS species such as Japanese Knotweed (*Reynoutria japonica*), Cherry Laurel (*Prunus laurocerasus*) and Snowberry (*Symphoricarpos albus*) have been identified within the flood relief scheme area. IAS treatment works will be carried out through Summer 2025. Both mechanical (flowerhead removal) and herbicidal treatment (knapsack spray, stem injection) methods will be used to treat the IAS with different treatment methods being applied on different species.

The image below was taken during the IAS survey works showing new Japanese Knotweed growth among dead canes (i.e. previous year's growth which has subject to herbicidal treatment).



## Nature-based Solutions (NbS)

Nature-based Solutions (NbS) are flood mitigation measures which work by storing or attenuating water in the environment, allowing it to be released slowly either as run-off to rivers and streams or by soakage to the water-table, or by slowing the flow of water along watercourses. By slowing or reducing runoff, the flood risk downstream can be reduced.

Engineered flood defences commonly use raised defences such as flood walls, embankments and flood control structures while NbS consider the use of trees or vegetation planting, leaky dams, land management practices and wetlands.

Raised defences can be constructed to provide direct flood defence to properties or urban areas while NbS are generally implemented in the upper catchment (in rural, undeveloped areas) to reduce the rate at which rain water runoff enters the watercourses.

The Cavan Town flood relief scheme NbS report has been updated in June 2025. Results from the NbS report and assessment will be considered as part of the flood relief scheme optioneering stage.

## Additional Environmental Surveys

The following surveys will be undertaken once the scheme optioneering has developed further.

- Air Quality and Climate
- Noise and Vibration
- Landscape and Visual

# What's Next?

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

- ➔ Progress Hydraulic Modelling.
- ➔ Draft baseline Hydraulics Report.
- ➔ Address Client comments on the Hydrology Report
- ➔ Ground Investigation On-Site Commencement.
- ➔ IAS treatment works

## 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:

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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/>