



Kilkenny County Council
Comhairle Chontae Chill Chainnigh

In association with



OPW
Oifig na nOibreacha Poiblí
Office of Public Works



Tionscadal Éireann
Project Ireland
2040



Graiguenamanagh-Tinnahinch Flood Relief Scheme



Newsletter
April 2024

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The purpose of the Graiguenamanagh-Tinnahinch Flood Relief Scheme is to alleviate the risk of flooding to the Community of Graiguenamanagh-Tinnahinch by providing a scheme that is technically, socially, environmentally, and economically acceptable.

Introduction

Kilkenny County Council in partnership with Carlow County Council and The Office of Public Works (OPW) are advancing with the Graiguenamanagh-Tinnahinch Flood Relief Scheme.

This newsletter covers the teams progress from January to April 2024. Previous newsletters outline and summarise the work completed to date and are located under 'Project Documents' on the scheme website.

The team has been focusing on collecting and assessing environmental data for the upstream storage area, refining flood defence designs along Graiguenamanagh Quay and developing scheme drawings.

The scheme is progressing in Stage 1 – Scheme Development and Preliminary Design, this stage is intended to be completed in 2024 and Stage 2 – Planning is due to commence in 2024.



Environmental

The Environmental Impact Assessment Report (EIAR) is ongoing with further progress dependent upon the finalisation of emerging scheme design details.

A set of ecological surveys have been completed at the upstream storage area. The remaining surveys to be completed this month are:

- Mammal Surveys
- Breeding Bird Surveys
- Herpetofauna Surveys

The team have compiled a list of 'Top-up' surveys required across the scheme for planning and are to complete these this period. These include:

- Breeding Birds
- Mammals
- Bats
- Q-Value
- Flora



Wintering Bird Top-up surveys were completed in December/January 2024.

ADCO have been appointed to conduct a wade survey upstream on the River Duiske for the proposed storage area. The wade survey will evaluate the bed and banks of the Duiske for archaeological remains and assess potential impacts of temporary works and the permanent structure. The survey will commence when water levels decrease for safer/accurate surveying.

An archaeological geophysical survey was conducted in March and the results are awaiting. This will inform the archaeological mitigation strategy for the scheme.

Site Investigation

The remaining Site Investigation has been completed and final lab testing is being completed. The team will review the lab testing and advance the scheme preliminary design based on the results.

Hydraulic Modelling

Capital Water Systems were appointed to install an additional flow monitor gauge on the Duiske River in January 2024. CWS are recording a 12-week period of flows. This data will be used to inform on the hydrological flows in the River Duiske and to improve flow estimation thereby reducing the uncertainty in flood frequency analysis.

The project team are separately progressing with a 2D model for the upstream storage area to establish required heights of the flood storage embankment to mitigate flooding along the Duiske River in the 1% AEP flood scenario. Climate adaptation model runs are also commencing this month and are due to be completed by the end of April.

Scheme Progress

The steering group held a drainage workshop to discuss the teams design of stormwater drainage in Tinnahinch and Graiguenamanagh.

The team has developed designs for two proposed pumping stations for both quay sides of the Barrow. These pumping station will facilitate the discharge of rainwater during high flow events.

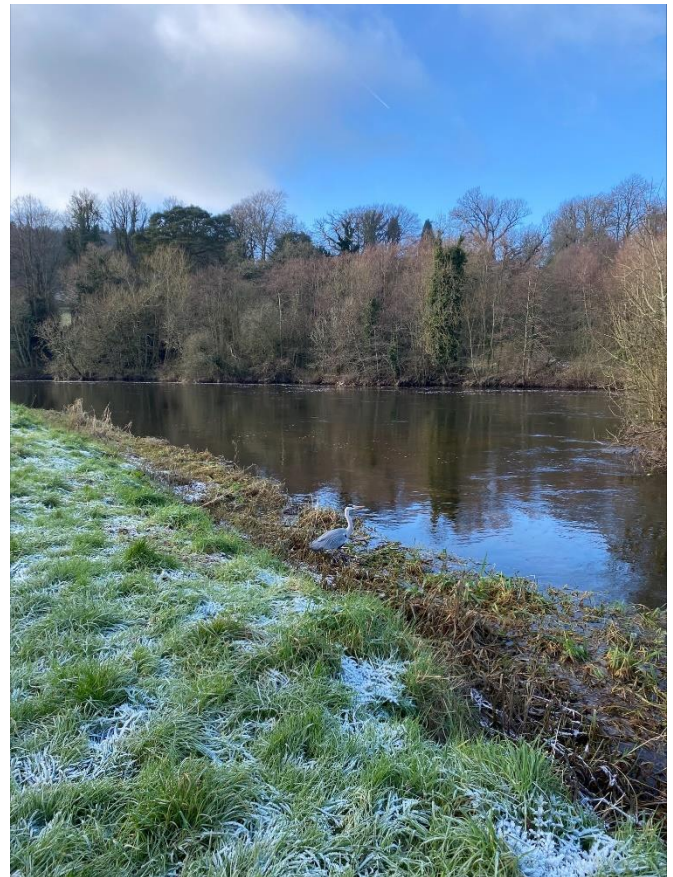
Public realm drawings and refinements to proposed scheme options are ongoing for completion of the emerging option report. Once the option report is finalized it will be publicly available on the scheme website and presented at the next public consultation event in summer 2024.

Progress Update

Stage 1 Progress



Estimated completion: Q4 2024



What's Next?

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

- ➔ Implement Site Investigations Laboratory Testing into scheme options.
- ➔ Develop the details of the emerging option.
- ➔ Environmental Impact Assessment for the emerging option.
- ➔ Natura Impact Assessment for the emerging Option.
- ➔ Preparing information and drawings for the next public consultation event on the emerging option.

Website

Details of scheme progress and documentation are available at the scheme website.



Contact Us

If you would like to contact our Project Team about any matter relating to the Graiguemanagh-Tinnahinch 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/grauguemanagh-tinnahinchfrs/home/>