



Kilkenny County Council
Comhairle Chontae Chill Chainnigh

In association with _____



Graiguenamanagh-Tinnahinch Flood Relief Scheme



Newsletter August 2021

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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.

Project Introduction

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

The OPW has recommended the development of a Flood Relief Scheme for Graiguenamanagh-Tinnahinch as a result of the work completed in the South Eastern Catchment Flood Risk Assessment and Management (CFRAM) Study.

This Flood Relief Scheme is part of the €1bn National Fund announced by the Government for Flood Relief Schemes throughout the Country in May 2018. Graiguenamanagh-Tinnahinch is on the Kilkenny-Carlow border and Kilkenny County Council are acting as the Lead Authority for the Scheme.

Kilkenny County Council commissioned ByrneLooby in March 2020, to develop and implement a Flood Relief Scheme for Graiguenamanagh-Tinnahinch.



The Quay, Graiguenamanagh during January 2016 Flood



The Underwater Archaeology Team Preparing for Dive Inspection on The River Barrow

Environmental

Environmental work is progressing on the project, in line with the overall updated programme. The Constraints Report for the scheme has been finalised. This report sets out all the known environmental constraints that will impact on the planning of the scheme and will feed into determining what options are taken forward for further assessment. The next step for the environmental team will be to assess a number of different options that are being developed against the constraints to rank them from an environmental point of view.

Following this, the EIA Screening report will be finalised. The flood relief scheme is anticipated to require an EIA (Environmental Impact Assessment) with initial preparation work being progressed for this. Submission of the EIA also provides further opportunity to continue our liaison with both the Statutory Consultees and other Stakeholders.

Most specialist environmentally related survey work has now been completed. During the last period an underwater archaeology survey of the River Barrow and the River Duiske within the Scheme Area has been completed. Once the preferred option is chosen additional site work may be required in certain key areas to ensure that robust baseline information is available for the EIA itself. These further detailed studies will include topics such as underwater archaeology survey and site visits to locations of proposed options.

Hydrology

The hydrological analysis has been completed and agreed in principle for the scheme. Some updates are currently being completed to the final report to reflect comments from the review process.

Hydraulic Modelling

The hydraulic modelling for the scheme is done using a computer software package to model the watercourses, drainage infrastructure and overland surface. The calculated hydrology is an input to model which is used to represent flood mechanism and evaluate the technical viability of potential flood mitigation measures. Past flood events are used in calibrating the model to ensure it is representative of the flood history in the Scheme Area.

Substantial work has been completed on the baseline modelling scenario. These modelling results identifies the properties in the Scheme Area at risk of flooding. Additionally, hydraulic modelling work has been completed on a number of potential flood mitigation measures. These results will feed into the options appraisal for the scheme to determine the preferred scheme. The technically feasible options will then be assessed by the environmental team and the options ranked overall to identify the preferred option.

Site Investigation

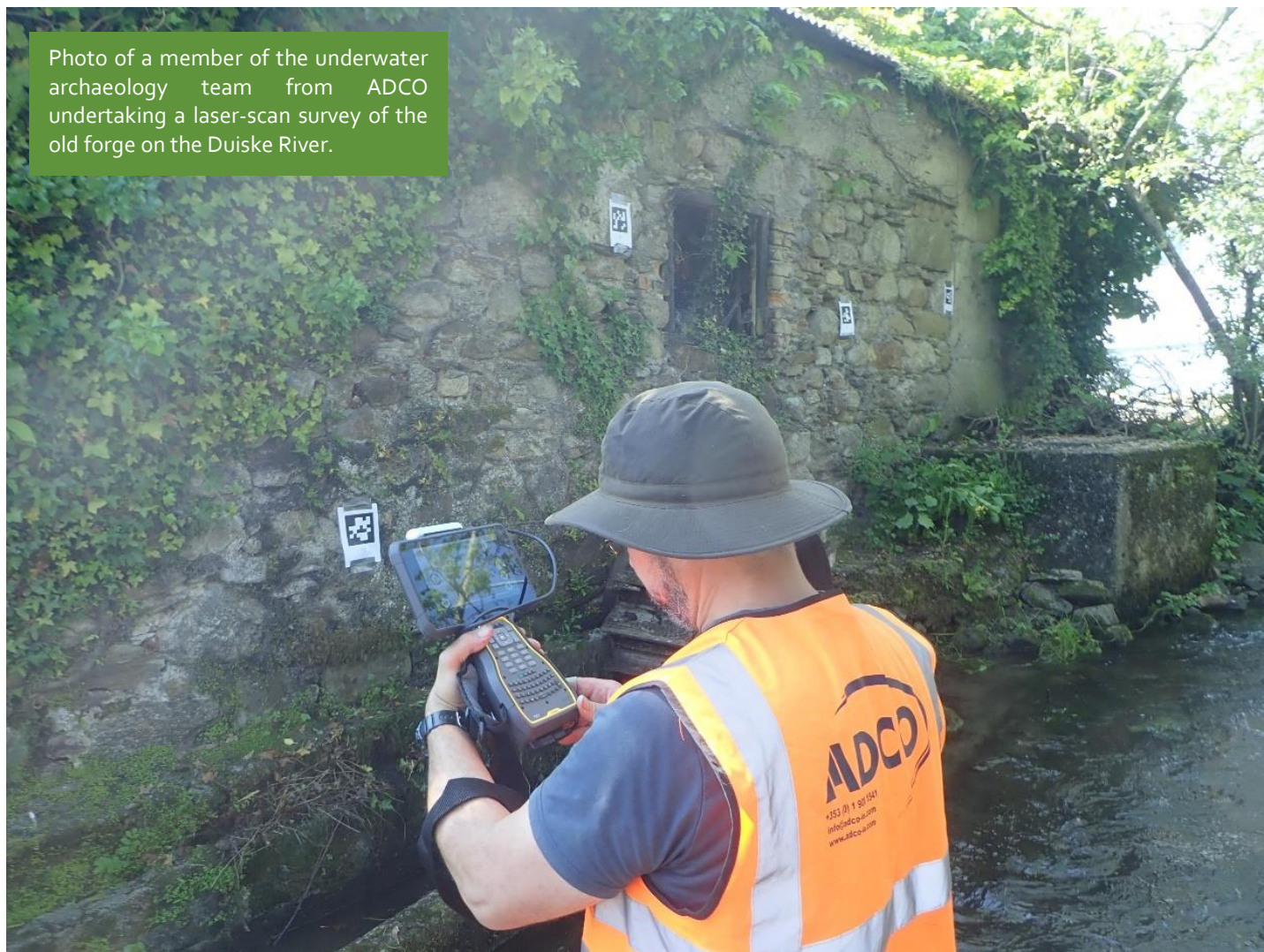
Site Investigation works are required to determine the ground conditions for areas where potential flood defence measure will be constructed. As part of this process planning permission is required due to the environmental and ecological sensitivity of the area of works. A Natura Impact Statement (NIS) has been prepared to assess the impact of the site investigation works. The planning permission documents have been submitted to An Bord Pleanála for review. Observations and comments are welcome from the public up to the 14th September 2021. Information and submission by the Public can be made through www.consult.kilkenny.ie

Public Engagement

A Public Consultation Event is anticipated to be held over the next period to present potential flood mitigation measure for discussion. Information will be posted in local media and the project website when dates are finalised.

While formal consultation events will be held over the course of the project, the team can also be contacted directly at any time for any specific queries or information at GTFRS@byrneooby.com

Photo of a member of the underwater archaeology team from ADCO undertaking a laser-scan survey of the old forge on the Duiske River.



Progress Update

Stage 1 Progress



Estimated completion: Q2 2022

What's Next?

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

- ➔ Hydraulic Modelling
- ➔ Ecology and environmental survey & assessment
- ➔ Flood defence options development
- ➔ Site Investigations

COVID-19

Kilkenny County Council, supported by OPW and Carlow County Council, have deemed the Graiguenamanagh-Tinnahinch FRS as an essential project. This means that ByrneLooby and the Steering Group for the project will continue with the essential activities for the project and continue working on the scheme throughout the COVID-19 pandemic.

The Project Team look forward to your participation and wish all residents of Graiguenamanagh-Tinnahinch good health.



Contact Us

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

Email

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Post

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

<https://www.floodinfo.ie/frs/en/grauguenamanagh-tinnahinchfrs/home/>